



The Head Office,
People's Primary Healthcare Initiative, Balochistan.
Admin Section
Ref No. PPHI-B/H.O-BLN/CW/2026-2027/02
Dated: _____

Technical Proposal

People's Primary Healthcare Initiative (PPHI) - Balochistan

TENDER DOCUMENT FOR THE MAJOR REPAIR AND RENOVATION OF BASIC HEALTH UNITS (38-BHUs) UNDER PHASE-II, FY 2026-27 OF PPHI- BALOCHISTAN

NAME OF BIDDER: _____
(To be filled-in by the Bidder)

Address: People's Primary Healthcare Initiative (PPHI) - Balochistan
House # 8-A, Jinnah Town, Samungli Road, Quetta-Pakistan.

Phone: 081-2863620

Website: www.pphib.org

LETTER OF INVITATION FOR BIDS:

Sealed proposals are invited from eligible bidders for the Major Repair and Renovation of Basic Health Units (BHUs) Under Phase-II, FY 2026–2027 of PPHI-Balochistan, under the People's Primary Healthcare Initiative (PPHI)-Balochistan in accordance with the applicable procurement rules and policies of PPHI-Balochistan. Firms having proven experience in the execution of major and minor repair, renovation, and other relevant civil works also duly registered with the Pakistan Engineering Council (PEC) under the relevant categories and codes are eligible to participate in the bidding process.

REQUIRED BIDDING INFORMATION	TO BE FILLED BY THE PEOPLES PRIMARY HEALTHCARE INITIATIVE (PPHI-B)
DESIGNATION OF PROCUREMENT OFFICER	DIRECTOR ADMIN & PROCUREMENT
POSTAL ADDRESS OF THE PEOPLE'S PRIMARY HEALTH CARE INITIATIVE (PPHI-BALOCHISTAN)	HOUSE # 8-A, JINNAH TOWN SAMUNGLI ROAD, QUETTA-PAKISTAN.
PHONE NUMBER & FAX NUMBER	081-2863620 & 081-2863623
E-MAIL ADDRESS & WEBSITE	E-mail: PPHIBLN@GMAIL.COM Website: https://www.pphib.org
METHOD OF PROCUREMENT	SINGLE STAGE - SINGLE ENVELOPE BIDDING PROCEDURE
ISSUANCE OF BIDDING DOCUMENTS	The tender documents can be downloaded from the PPHI-Balochistan website: http://pphib.org/
DEADLINE FOR SUBMISSION OF BIDS	Date: 13th August 2026 & Till 11:00 A.M Venue: PPHI District Office Washuk.
OPENING OF TECHNICAL BIDS	Date: 13th August 2026 & Time 12:00 P.M Venue: PPHI District Office Washuk.
OPENING OF FINANCIAL BIDS	On the same day, immediately after the opening and preliminary examination of bids, in the presence of all participating bidders or their representatives.
BIDDING DOCUMENT FEE	A NON-REFUNDABLE PAY ORDER OF PKR 2,000/- , IN THE NAME OF PPHI-BALOCHISTAN , SHALL BE ENCLOSED WITH THE BID INSIDE THE SINGLE SEALED ENVELOPE . SUBMISSION OF THE PRESCRIBED BIDDING DOCUMENT FEE IS MANDATORY ; BIDS RECEIVED WITHOUT THE REQUIRED PAY ORDER SHALL BE CONSIDERED NON-RESPONSIVE .
BID SECURITY/EARNEST MONEY	BID SECURITY: AMOUNT: 2% OF THE QUOTED BID AMOUNT. MANNER: IN THE FORM OF CALL DEPOSIT RECEIPT (CDR) / PAY ORDER IN FAVOR OF PPHI-BALOCHISTAN. SUBMISSION: THE ORIGINAL BID SECURITY SHALL BE ENCLOSED WITH THE BID INSIDE THE SINGLE SEALED ENVELOPE AND SHALL FORM PART OF THE FINANCIAL PROPOSAL. SUBMISSION OF THE PRESCRIBED BID SECURITY IS MANDATORY; BIDS RECEIVED WITHOUT THE REQUIRED BID SECURITY SHALL BE CONSIDERED NON-RESPONSIVE.

ELIGIBILITY CRITERIA FOR BIDDERS:

SR. NO	BIDDERS ELIGIBILITY FACTOR	MANDATORY REQUIREMENT	DOCUMENT REQUIRED
01	Legal Status & Tax Registration.	The bidder must possess a valid NTN Certificate, be registered with the Federal Board of Revenue (FBR) under the relevant tariff/registration category for Construction / Civil Works / Government Contractors, and must be an Active Taxpayer at the time of submission of bid documents.	Copies of valid NTN Certificate, GST & BSTS Registration Certificate (Where applicable), and Active Taxpayer Profile, duly verifiable from FBR IRIS / official FBR and BRA website.
02	Relevant Experience	The bidder shall have successfully completed at least three (03) to five (05) similar civil works/contracts during the last three (03) financial years (FY 2023, 2024 & 2025).	Copies of Work Orders and Completion Certificates, clearly mentioning scope, value, and dates, duly attested by Senior Executive of the firm. PPHI-B reserve the right of verification of work orders, completion certificates.
03	Financial Capacity (For Firms)	Minimum cumulative turnover of PKR 08 to 10 million during the last three (03) financial years (FY 2023, 2024, and 2025), supported by audited financial statements or Annual tax returns.	Audited Financial Statements OR Annual Income Tax Returns.
04	Non-Blacklisting and disclosure of litigation cases	Must not be presently black-listed by any Government/ Semi Govt or Private Organization must declare the litigation cases.	Declaration of Non-blacklisting and disclosure of litigation cases on Non-Judicial Stamp paper by the Bidder/Individual.
05	PEC Registration	The bidder must be registered with the Pakistan Engineering Council (PEC) in an appropriate category and specialization relevant to the scope of civil works (e.g., C-6, C-5 or above). Registration must be valid at the time of bid submission.	Copy of valid PEC Registration Certificate clearly showing category.
07	Work completion compliance	Must agree to serve the Contract within agreed time i.e. 120 days.	Completion time must be clearly specified in the Technical Bid.
08	Agreement with all the terms & conditions	Must unconditionally agree with all the instructions, terms & conditions specified in the bidding documents & contract agreement.	Signature & company seal on every page of the bidding document.
09	Submission of Bidding Document Fee & Bid Security	As required by the People's Primary Healthcare Initiative (PPHI-Balochistan) in the Tender Notice.	Tender Fee & Bid Security: A non-refundable Tender Fee of PKR 2,000/- in the form of a Pay Order and a Bid Security equivalent to 2% of the quoted bid amount in the form of a Call Deposit Receipt (CDR) or Pay Order, both drawn in favor of PPHI-Balochistan, shall be enclosed with the bid inside the single sealed envelope at the time of submission. Submission of both the Tender Fee and Bid Security is mandatory. Bids received without the prescribed

			Tender Fee and/or Bid Security shall be considered non-responsive.
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NOTE:

- a) Mandatory Eligibility Compliance: It is mandatory for all bidders to meet all of the above-mentioned eligibility requirements. A bidder failing to comply with any one of the prescribed mandatory requirements or failing to submit the required supporting documents shall be declared Non-Responsive, and the bid shall be rejected without further evaluation.
- b) No document shall be added in bidding documents once bid documents are submitted.
- c) Submission of Multiple Bids (Lot-wise):
 - i. A single bidder may submit bids for one or more lots and may be awarded multiple lots, subject to meeting the eligibility requirements and offering the lowest evaluated responsive bid for each lot.
 - ii. A separate, complete bid shall be submitted for each lot in a single sealed envelope, accompanied by the prescribed Tender Fee and Bid Security for the respective lot. Partial bidding within a lot or submission of an incomplete bid shall render the bid non-responsive.
- d) Please avoid to attach documents not required in the above mentioned criteria and it would be convenient to tag each eligibility criteria documents.
- e) The Procuring Agency reserves the right to reject any or all bids or cancel the procurement proceedings at any stage prior to award of contract without disclosing any reason.

Postal Address: PPHI-B Head Office House # 8-A, Jinnah Town, Samungli Road, Quetta.

Bidding Instructions and General Conditions

1. Bid Submission Requirements

- a) The bidder must quote for the entire scope of works or lot wise specified in the tender document. Partial, conditional, or incomplete bids shall be rejected.
- b) All bids must be tape-bound, properly sealed, and clearly labeled. Each page must be numbered, signed, and stamped by the authorized representative of the firm.
- c) All documents shall be attached in the sequence prescribed in the tender document for evaluation purposes.
- d) Any interlineations, erasers, or overwriting shall be valid only if initialized by the person(s) signing the bid.
- e) Blank fields in the bid forms must be duly filled. Incomplete or unsigned bids shall be treated as non-responsive.

2. Method and Deadline of Submission

- a) Preferably, bids shall be submitted by hand through the firm's authorized representative on or before the date and time specified in the Letter of Invitation.
- b) The bid shall comprise a single sealed envelope containing all required bidding documents, including the eligibility documents, signed Bid Form, priced Bill of Quantities (BOQ), Tender Fee, Bid Security, and all other documents required under the bidding documents.
- c) Each bid shall be submitted in a single sealed envelope, clearly prescribed in bold letters with the Tender Title, Tender Reference No. and Lot Number (where applicable).
- d) Bids received after the specified deadline shall be rejected without opening.

3. Conditions for Opening and Validity

- a) If the submission or opening date falls on a public holiday or non-working day, the bids shall be opened on the next working day at the same time and venue.
- b) A bidder may withdraw its bid before the submission deadline.
 - I. No withdrawal is permitted after the submission deadline until the expiry of the bid validity period.
 - II. Any withdrawal during the validity period at any stage may lead to legal action under applicable rules of PPHI-B.

4. Eligibility of Bidders

- a) The invitation is open to all firms registered with the Federal Board of Revenue (FBR) under the relevant registration/tariff category for Construction / Civil Works / Government Contractors, PEC, subject to fulfillment of all mandatory eligibility criteria.
- b) Bidders must have demonstrated experience in the execution and completion of major and/or minor civil works for government, semi-government, institutional, or similar organizations.
- c) Bidders under declaration of ineligibility, suspension, or blacklisting by any government, regulatory authority, or other organization are not eligible to participate.

5. Blacklisting and Debarment

The following actions shall render a bidder liable for blacklisting/debarment:

- a) Submission of false, fabricated, or forged documents or misrepresentation of facts at any stage of the bidding or contract execution.
- b) Failure to execute the civil works in accordance with the approved drawings, technical specifications, quality standards, BOQs, or agreed completion schedule.
- c) Persistent non-compliance with contract terms or specifications.
- d) Engagement in corrupt, fraudulent, or unethical practices.
- e) Bid rigging, tender fixing, or any conduct detrimental to the integrity and transparency of the procurement process.
- f) Any security-related concerns or actions that adversely affect the reputation of the Procuring Agency or the State.

6. Clarifications and Amendments

- a) A prospective bidder may seek clarification(s) in writing not later than seven (7) days prior to the submission deadline at the Procuring Agency's address indicated in the Bid Data Sheet.
- b) The Procuring Agency shall issue written responses (without disclosing the identity of the inquirer) to all bidders who have obtained the documents no verbal response shall be accepted.
- c) The Procuring Agency may, at any time before the submission deadline, amend the bidding documents through a written addendum.
- d) Such amendments shall be notified through official correspondence or publication at the official PPHI-B website.
- e) To accommodate the amendment(s), the Procuring Agency may extend the bid submission deadline, if deemed necessary.

7. Corrupt or Fraudulent Practices and Mechanism for Debarment / Blacklisting

A. Definition of Corrupt and Fraudulent Practices

For the purpose of this tender, the following practices shall constitute corrupt, fraudulent, coercive, collusive, or obstructive behavior, which are strictly prohibited:

- a) **Corrupt Practice:** Offering, giving, receiving, or soliciting directly or indirectly anything of value to influence the actions of a public official, procuring entity, or any party in the procurement process or contract execution for wrongful gain.
- b) **Fraudulent Practice:** Any act, omission, or misrepresentation that knowingly or recklessly misleads or attempts to mislead another party to obtain undue advantage or avoid an obligation.
- c) **Collusive Practice:** Any agreement or arrangement between two or more parties designed to establish bid prices at non-competitive, artificial levels to the detriment of fair competition.
- d) **Coercive Practice:** Direct or indirect actions, threats, or harm to any party or its property to improperly influence their participation or decisions in the procurement process.
- e) **Obstructive Practice:** Deliberate acts intended to impede investigation or audit processes, including falsifying or concealing evidence, making false statements, or intimidating witnesses.

8. Bid Price

- a) **Price Indication:** The bidder shall indicate, in the prescribed form, the unit rates (where applicable), BOQ rates, and the total bid price.
- b) **Completion and Authentication:** The Bill of Quantities (BOQ) and price schedules must be carefully filled, preferably typed, and signed and stamped on each page by the authorized representative of the bidder.
- c) **Compliance with Technical Specifications:** Bids must comply with all approved drawings, technical specifications, and BOQ requirements. Any deviation shall render the bid non-responsive.
- d) **Inclusive Pricing:** Prices must be quoted on a complete execution basis and shall include all applicable taxes, duties, levies, transportation, site establishment, tools and incidental costs necessary for execution of the works at the designated BHUs of PPHI-Balochistan.
- e) **Tax Exemptions:** Any exemption or reduction in taxes or duties available under law shall be passed on to the Procuring Agency.
- f) **Total Service Requirement:** Prices must be quoted for the entire scope of work of each lot as defined in the tender documents. Partial, conditional, or incomplete offers shall be considered non-responsive and rejected.

9. Bid Security

The bidder shall submit a Bid Security amount equal to 2% of the total quoted bid price for each Lot, in the form of Call Deposit Receipt (CDR), Pay Order, or Bank Draft, drawn in favor of PPHI-Balochistan. The Bid Security shall be submitted along with the Bid in the sealed envelope. Any bid not accompanied by the required Bid Security shall be declared non-responsive and shall not be considered for further evaluation.

10. Bid Validity

- a. Bids shall remain valid for 120 days from the date of opening of bid.
- b. The Procuring Agency may, prior to the expiry of the bid validity period, request bidders in writing to extend the validity of their bids for an additional specified period.
- c. A bidder agreeing to the Procuring Agency's request for extension of the bid validity period shall not be permitted to change the substance of its bid or the quoted prices during the extended period.
- d. A bidder declining the request for extension of the bid validity period may withdraw its bid without forfeiture of its Bid Security.

11. Sub-Contracting, Subletting Clause

The bidder shall not assign, transfer, or sublet the whole or any part of the contract without the prior written approval of the Procuring Agency to subcontractor.

Any subletting or subcontracting carried out without such approval shall constitute a material violation of the Contract and shall render the Contractor liable to termination of the Contract, forfeiture of Performance Security, blacklisting, and any other action permissible under the prevailing procurement rules and laws.

BIDDER'S INFORMATION: (To be filled-in by the Bidder)

1. Name of company/Individual: _____

2. Complete Postal Address: _____

3. Tel No: _____ 4. Email address: _____

5. Fax No: _____ 6. Mobile No: _____

7. Authorized Representative's name & designation:

8. Type of Business:

- (1) Sole Proprietorship ☐ (2) Partnership ☐
(3) Corporation (Private Ltd.) ☐ (4) Corporation (Public Ltd.) ☐

9. National Tax Number& Date of issuance: _____

10. Sales Tax Registration No. GST. _____

11. Sales Tax Registration No. BRA. _____

12. Bid Validity _____ (Please specify in no. of days)

13. Total Completion Time _____ (Date of completion)

DELIVERY SCHEDULE CONDITIONS

1. Scope of Delivery & Locations

The successful bidder shall be responsible for the execution and completion of all civil works, scope of work in accordance with the approved technical specifications, and Bill of Quantities (BOQ) at the designated sites of PPHI-Balochistan as specified in the Tender Document.

2. Completion Time & Work Schedule

A) Contract Period

- a. The successful bidder shall complete execution of all civil works at the designated sites of PPHI-Balochistan within 120 days from the date of issuance of the Work Order.
- b. Works shall be carried out strictly in accordance with the approved work schedule and construction program, unless an extension is granted in writing by PPHI-Balochistan.

B) Phased Based Execution

- a. Phased or milestone-based execution may be permitted only with prior written approval of PPHI-Balochistan.
- b. Each approved phase/milestone shall remain within the overall contract period of 120 days.

C) Execution & Progress Documentation

The bidder shall submit:

- Work Completion Certificates
- Final Completion Report duly verified by the concern sub-engineer, signed by the Engineer & counter signed by the Authorized Representative/concern District Manager of PPHI-Balochistan

D) Penalty for Delay

Delay beyond the stipulated 120-day period, excluding delays approved in writing or arising from force majeure, shall attract liquidated damages at the rate of 0.25% per day of the value of the uncompleted portion of works, subject to a maximum of 10% of the total contract value.

E) Force Majeure

Delays caused by events beyond the bidder's control, including natural disasters, civil disturbances, acts of government, strikes, or other force majeure circumstances, must be immediately reported in writing to PPHI-Balochistan with supporting evidence. A reasonable extension may be granted at the discretion of PPHI-Balochistan.

F) Defects, Damages & Loss

The bidder shall be fully responsible for any damage, defects, poor workmanship, or loss occurring during execution of the works. Any defective or non-compliant work shall be rectified or replaced at the bidder's cost, or the equivalent cost shall be deducted from the payable amount, as determined by PPHI-Balochistan. PPHI-Balochistan will consider the delivery of contract once 100% work completion report signed by the representative of PPHI-Balochistan and Vendor. In Case of any damaged/Loss/Theft/destruction before 100% work completion and signing of work completion certificate will not be responsibility of PPHI-Balochistan.

3. Place & Mode of Execution

The successful bidder shall be solely responsible for the mobilization of all materials, equipment, and manpower to the designated work sites as specified in the tender documents. The bidder shall ensure safe execution, completion, and handover of the works in strict accordance with the approved technical specifications, and applicable standards.

The bidder shall also provide all required tools, plant, safety gear, and qualified technical staff necessary for proper execution of the works. All arrangements relating to site establishment, storage, handling of materials, safety, and execution logistics shall be the sole responsibility of the bidder.

4. Equipment & Site Handling Requirements

The Bidder must ensure:

- a. Availability of appropriate construction equipment, machinery, and tools required for timely and quality execution of the works.
- b. Proper storage, protection, and handling of construction materials to prevent damage, deterioration, or misuse.

5. Monitoring & Reporting

The Bidder shall:

- a. Provide regular progress updates and reports as required by PPHI-Balochistan.
- b. Immediately report any delay, accident, defect, or incident affecting the execution of works.
- c. Submit Final Completion Confirmation duly acknowledged by the Engineer / Authorized Representative of PPHI-Balochistan.

DATA-SHEET OF THE ASSIGNMENT / SCOPE OF WORK

The objective of this Data Sheet / Schedule of Requirements is to provide bidders with comprehensive and clear information to fully understand the complete scope of Work. It ensures that all requirements of the People's Primary Healthcare Initiative (PPHI-Balochistan) related to the execution, materials, workmanship, timelines, and completion of works are clearly defined, specified, and duly incorporated, leaving no requirement unaddressed.

The civil works under this tender shall be executed on a Lot-wise basis, as detailed in the Data Sheet and attached BOQs. Bidders may quote for multiple; however, separate financial bids for each Lot shall be submitted. PPHI-Balochistan reserves the right to award the contract for one or multiple Lots to a single bidder, subject to availability of funds and bid responsiveness.

District-wise List of Sites – PPHI-Balochistan

Lot. No	District Name	Sr. No.	Name of Site	BOQs Attached
1	Kech	1	BHU Solo and Residential Quarter	Attached at Pg.no 28-39
		2	BHU Bunap	Attached at Pg.no 24-27
		3	Kohak Dasht	Attached at Pg.no 19 - 23
2	Awaran	1	BHU Shandi	Attached at Pg.no 377-389
		2	BHU Garai	Attached at Pg.no 95-127
		3	BHU Gilli	Attached at Pg.no 128-142
		4	BHU Dam Ali Muhammad	Attached at Pg.no 67-81
3	Awaran	1	BHU Goko Laksar	Attached at Pg.no 143-162
		2	BHU Arah	Attached at Pg.no 40-52
		3	BHU Waja Bhag	Attached at Pg.no 404-417
4	Awaran	1	BHU Koto	Attached at Pg.no 277-296
		2	BHU Kohro	Attached at Pg.no 264-276
5	Awaran	1	BHU Zoomdan Pirunder	Attached at Pg.no 418-433
		2	BHU Nagago	Attached at Pg.no 331-341
		3	BHU Dhal Bedi	Attached at Pg.no 82-94
6	Awaran	1	BHU Kahn e Zeeing	Attached at Pg.no 219-229
		2	BHU Kalaro	Attached at Pg.no 249-263
7	Awaran	1	BHU Teertij	Attached at Pg.no 390-403
		2	BHU Cherry Malar	Attached at Pg.no 54-66
		3	BHU Hore	Attached at Pg.no 184-202
8	Awaran	1	BHU Manguli	Attached at Pg.no 315-330
		2	BHU Parwar	Attached at Pg.no 342-356
9	Awaran	1	BHU Laaki	Attached at Pg.no 298-314
		2	BHU Jebri	Attached at Pg.no 203-218
10	Awaran	1	BHU Sham Mara	Attached at Pg.no 357-376

		2	BHU Gushunag	Attached at Pg.no 163-183
11	Awaran	1	BHU Kalathoo	Attached at Pg.no 230-248
12	Gawadar	1	BHU Sirdasht/Nokebur	Attached at Pg.no 477-481
		2	BHU Chakkuli	Attached at Pg.no 471-476
		3	BHU Shatangi	Attached at Pg.no 457-470
		4	BHU Kandasol	Attached at Pg.no 441-452
		5	BHU Saiji	Attached at Pg.no 453-456
		6	BHU Faqeer abad	Attached at Pg.no 434-440
13	Panjgur	1	BHU Khar Putt Essai	Attached at Pg.no 484-487
		2	BHU Dazi	Attached at Pg.no 482
		3	BHU Soruk	Attached at Pg.no 483
14	Washuk	1	BHU Gwaragi	Attached at Pg.no 506-524
		2	BHU Daali	Attached at Pg.no 488-505

INSTRUCTIONS FOR PREPARING THE BID

These Instructions are issued for strict compliance by all bidders. Failure to comply with any of the instructions contained herein may result in the bid being declared **non-responsive**.

The Bid shall be prepared as follows:

1. SUBMISSION OF BID

The bidder shall submit **one (01) sealed envelope** containing all documents required under the bidding documents.

- a. **"Name of Bidder "**
- b. **"Name of Tender"**
- c. **"TENDER REFERENCE NUMBER (IF APPLICABLE)"**
- d. **"BID – SINGLE STAGE SINGLE ENVELOPE"**

2. CONTENTS OF THE BID

The Bid shall comprise the following documents:

- a) Bid Covering Letter on the bidder's letterhead.
- b) Receipt/Pay Order of Tender Document Fee.
- c) Original Bid Security in the prescribed form and amount.
- d) Documentary evidence demonstrating compliance with the Eligibility Criteria.
- e) Documentary evidence demonstrating compliance with the Technical Specifications, Schedule of Requirements, BOQs and Scope of Work.
- f) Company Profile, registration documents, PEC Registration Certificate and other statutory registrations, where applicable.
- g) Details of Technical Staff, including CVs and PEC Registration of Engineers, where required.
- h) Proposed Completion Schedule (120 Days).
- i) Defect Liability Period, where applicable.
- j) Financial Quotation/BOQs duly filled, signed and stamped.
- k) Any other document specifically required under these bidding documents.

3. **PREPARATION OF FINANCIAL QUOTATION**

The Financial Quotation shall:

- a) Be prepared on the bidder's official letterhead/Bidding Document in the prescribed BOQ format.
- b) Include all applicable taxes, duties, levies, transportation, labour, installation, equipment, overheads and all other incidental costs necessary for completion of the works.
- c) Clearly mention applicable GST/BRA taxes.
- d) Be quoted in Pakistani Rupees (PKR).
- e) Be signed and stamped by the authorized representative.

4. **GENERAL REQUIREMENTS**

- a) Every page of the Bid shall be serially numbered, signed and stamped by the authorized representative.
- b) All documents shall be arranged in the same sequence as prescribed in the bidding documents.
- c) Attachment of unnecessary documents is discouraged.
- d) Any correction or overwriting shall be authenticated by the authorized signatory.

5. **EVALUATION CRITERIA** Selection of the successful bidder shall be carried out under the **Single Stage – Single Envelope Bidding Procedure**.

a) **Stage 1 – Technical Qualification (Eligibility Criteria)**

The Procurement Committee shall examine each Bid to determine whether it is complete and substantially responsive. In case of not meeting the required technical mandatory eligibility criteria, the bidder shall be declared as non-responsive for further financial evaluation.

The examination shall include verification of:

Sr. No.	Bidders Eligibility Factor	Requirement	Documents Attached	
			YES	NO
01	Legal Status & Tax Registration.	NTN, GST/BRA, Active Taxpayer		
02	Relevant Experience	Work Orders & Completion Certificates		
03	Financial Capacity (For Firms)	Audited Financial Statements/Income Tax Returns/Bank statement		
04	Non-Blacklisting and disclosure of litigation cases	Declaration		
05	PEC Registration	Valid PEC Certificate		
06	Technical Capacity	Civil Engineer & Site Supervisor.		
07	Delivery time compliance	120 Days		
08	Agreement with all the terms & conditions	Signed & Stamped Tender		
09	Submission of Bidding Document Fee & Bid Security	Submitted with Bid		

b) **Stage 2 – Financial Evaluation**

- i. Financial quotations of all substantially responsive bidders shall be evaluated.

- ii. The Procurement Committee shall prepare the Financial Comparative Statement on a Lot-wise basis.
- iii. The bidder quoting the **Lowest Evaluated Responsive Bid (LERB)** for each Lot shall be recommended for award, subject to satisfactory compliance with all bidding requirements.

Lot No. 01					
Sr. No	BOQ Reference	Qualified Bidder 1 (Total Price – PKR) incl. all taxes	Qualified Bidder 2 (Total Price – PKR) Incl. all taxes	Qualified Bidder 3 (Total Price – PKR) Incl. all taxes	Lowest Evaluated Bidder
1	BOQ–District				

Lot-2-14 Financial Comparative Statement
(same format repeated)

TERMS AND CONDITIONS:

1. Tenders must be quoted in Pakistani Rupees (PKR).
2. Tax Liability:
 - i. Complete Tax liability is to be borne by the Vendor/individual as per the applicable rate of tax authority.
 - ii. Quoted prices shall be **inclusive of all applicable Taxes with maintaining of %age of BRA/ GST.**
 - iii. In-case of any Tax exemptions, exemption certificate from the concerned Tax Office / Regional Tax Office pertaining particularly to this case may be provided; otherwise, taxes shall be deducted as per Government Policy / Rules.
3. The Bid Security of the successful bidder shall be released upon successful completion of the works, issuance of the Completion Certificate by the Procuring Agency, and submission of the required Performance Security, where applicable.
4. The Bid Security of unsuccessful bidders shall be released within ten (10) working days from the date of issuance of the Work Order to the successful bidder or completion of the procurement process, whichever is earlier.
5. Payment Terms
 - i. No advance payment shall be admissible under the contract.
 - ii. Upon satisfactory completion of 50% of the approved scope of work, the contractor shall be entitled to 40% of the contract value, based on the actual work executed and certified by the concerned Sub-Engineer, verified by the Engineer, PPHI-Balochistan, and countersigned by the concerned District Manager. Ten percent (10%) of the value of the certified work shall be retained as Performance Security until successful completion of the entire scope of work.
 - iii. The balance payment shall be released upon 100% completion of the approved scope of work, subject to submission of all required documents, measurement and verification of the actual work executed, and issuance of the Completion Certificate by the concerned Sub-Engineer, duly verified by the Engineer, PPHI-Balochistan, and countersigned by the concerned District Manager.

CURRENCY & BID VALIDITY

- **Pak Rupees & 120 Days**

Recommendation of Procurement Committee

The Procurement Committee shall recommend the award of contract to the Lowest Evaluated Responsive Bidder whose bid is substantially responsive to all eligibility, technical and financial requirements specified in the bidding documents.

PPHI-Balochistan reserves the right to award one, multiple or all Lots to a bidder, subject to availability of funds and in accordance with the applicable Procurement Policy.

Grievance Redressal:

Any bidder aggrieved by any act, decision, or omission of the Procuring Agency procurement process, from the publication of the Notice Inviting Tender (NIT) up to the declaration of the Financial Bid, may submit a written grievance, along with supporting documentary evidence, to the Chief Executive Officer, PPHI-Balochistan, within five (05) working days of the declaration of the Financial Bid. Grievances received after the prescribed period of five (05) working days shall be treated as time-barred and shall not be entertained.

Change of Site:

- a. Complete Construction Works: In exceptional circumstances, the Procuring Agency may approve a change of the project site, provided that there is no change in the approved scope of work, Bill of Quantities (BOQ), technical specifications, contract value, or completion period. Any such change shall require the prior approval of the Competent Authority, and the contractor shall have no claim for any additional payment, compensation, or extension of time arising solely from the change of site.
- b. Repair and Renovation Works: Change of site shall not be permitted under any circumstances. The contractor shall execute the works only at the location(s) specified in the Work Order and no substitution or relocation of the site shall be allowed.



PEOPLE'S PRIMARY HEALTHCARE INITIATIVE BALOCHISTAN (PPHI-B)

Summary of New Major/Minor Works BHUs 2026 Phase-2

Lot. No	District Name	Sr. No.	Name of Site	Estimated Amount Including applicable BRA
1	Kech	1	BHU Solo and Residential Quarter	8,134,628
		2	BHU Bunap	2,054,846
		3	Kohak Dasht	2,253,351
2	Awaran	1	BHU Shandi	4,432,998
		2	BHU Garai	14,677,922
		3	BHU Gilli	6,506,829
		4	BHU Dam Ali Muhammad	7,436,421
3	Awaran	1	BHU Goko Laksar	9,597,109
		2	BHU Arah	4,449,084
		3	BHU Waja Bhag	6,425,049
4	Awaran	1	BHU Koto	8,973,686
		2	BHU Kohro	4,411,529
5	Awaran	1	BHU Zoomdan Pirunder	6,505,643
		2	BHU Nagago	4,618,407
		3	BHU Dhal Bedi	6,673,253
6	Awaran	1	BHU Kahn e Zeeing	4,479,267
		2	BHU Kalaro	7,436,421
7	Awaran	1	BHU Teertij	6,317,610
		2	BHU Cherry Malar	4,451,982
		3	BHU Hore	9,736,250
8	Awaran	1	BHU Manguli	6,415,135
		2	BHU Parwar	4,106,718
9	Awaran	1	BHU Laaki	8,338,448
		2	BHU Jebri	6,946,320
10	Awaran	1	BHU Sham Mara	9,388,399
		2	BHU Gushunag	8,740,197
11	Awaran	1	BHU Kalathoo	8,723,271
12	Gawadar	1	BHU Sirdasht/Nokebur	1,026,776
		2	BHU Chakkuli	1,139,379
		3	BHU Shatangi	4,333,000
		4	BHU Kandasol	2,447,000
		5	BHU Saiji	674,993

		6	BHU Faqeer abad	2,447,000
13	Panjgur	1	BHU Khar Putt Essai	3,348,283
		2	BHU Dazi	1,626,828
		3	BHU Soruk	1,696,679
14	Washuk	1	BHU Gwaragi	5,204,165
		2	BHU Daali	5,204,165
Total Amount (Inclusive of: All Taxes, Labor cost & Transportation charges)				211,379,041

DECLARATION BY THE BIDDER

I solemnly undertake that:

- a. Having read, understood & made myself aware of all the Terms & conditions mentioned in this Bidding Document & the Rules, Regulations & Policies of the Government of Balochistan, governing the procurement & financial matters, **AGREE, ACCEPT & UNDETAKE TO ABIDE BY THE SAME.**
- b. The information provided in this form is correct to the best of my knowledge & in the event of change; details will be provided as soon as possible

Name & Designation _____

Signature _____ Date _____

Company Stamp. _____

DETAILED ESTIMATE FOR THE REPAIR OF BASIC HEALTH UNIT KOHAK DASHT DISTRICT KECH

S.NO	DISCRIPTION OF WORK			N	LBD	H	QTY:	RATE	UNIT	AMOUNT
1	Scraping, rubbing and cleaning paints of all sorts, from walls and ceiling including removal of rubbish from the site in ground floor or basement. and Distempering on old surface (SI.NO 17-22-1+17-60)									
		2x	2.00	x(	14.00	+	12)x	12.75 =	Sft	
		1x	2.00	x(	6.00	+	6)x	9.00 =	Sft	
		1x	2.00	x(	10.00	+	6)x	9.00 =	Sft	
		1 x	2.00	x(	6.00	+	6)x	12.75 =	Sft	
		1x	2.00	x(	46.67	+	10)x	12.75 =	Sft	
		1x	1.00	x	45.33	x		14.75 =	Sft	
		1x	2.00	x	3.34	x		9.00 =	Sft	
		1x	2.00	x	44.67	x		14.75 =	Sft	
		2x	6.00	x	1.50	x		14.75 =	Sft	
		2x	9.00	x	1.50	x		14.75 =	Sft	
		2x	2.00	x	1.50	x		14.75 =	Sft	
		2x	1.00	x	1.00	x		14.75 =	Sft	
		1x	1.00	x	25.38	x		11.00 =	Sft	
		2x	1.00	x	6.34	x		11.00 =	Sft	
		2x	1.00	x	7.00	x		14.75 =	Sft	
		2x	6.00	x	6.00	x		1.50 =	Sft	
		2x	6.00	x	3.00	x		1.50 =	Sft	
		2x	1.00	x	14.00	x		1.50 =	Sft	
							A	Total:		Sft
	D/D of Door / window	1 x	2.00	x	4.00	x	7	1.00 =	Sft	
		1 x	1.00	x	3.00	x	7	1.00 =	Sft	
		1 x	2.00	x	2.50	x	7	1.00 =	Sft	
		1 x	1.00	x	5.00	x	8.5	1.00 =	Sft	
	window	1 x	2.00	x	4.00	x	4	1.00 =	Sft	
								Total:		Sft
								(A-B) =	Sft	
								Net =	Sft	
								@ Rs	Sft	
2	Providing and laying 1:2:4 P.C.C roof screeding using crushed stone 3/4" (19mm) including formwork, consolidation, finishing and curing (SI.NO. 14-68/c)									
		1	x	1 x	50.67	x	47.33	x	0.50 =	Sft
		1	x	2 x	47.33	x	15.00	x	1.00 =	Sft
								Total =		Sft
								@ Rs:	Sft	
3	Supply and fixng of Concrete pavors (SI.No 21-91)									
		1	x	100.00x		80.00	x	1.00=	Sft	
								Total =		Sft
								@ Rs	Sft	
4	Wiring									

Supply, installation, testing and commissioning of open surface wiring for solar power system including PVC insulated copper cables, casing/capping, clips, switches, fan points, and all necessary accessories required for complete operation.

Cable wire

Solar-powered LED Lights

Ceiling Fan

Switch board

	300	RM	
	15	NO	
	7	NO	
	10	points	

5

UPVC sewerage pipes

Providing and Installing uPVC pipe class b having 4"(100mm inner dia) IIL, Dadex or equivalent make registered with PSQCA in sewer lines and/or laying, cutting, jointing, testing including all specials in pipe lines in trenches.

80 Rft

6

Soak Pit

Providing and Construction of Soak Pit having diameter 3' with depth 10' , inner filled with Brick ballast/stone ballast having RCC top , complete in all respects as per drawings and as per direction of Engineer.

1No

Total Rs:-

Say Rs:-

SURFACE WATER TANK

S.NO	DISCRIPTION OF WORK	N	LBD	H	QTY:	RATE	UNIT	AMOUNT
------	---------------------	---	-----	---	------	------	------	--------

1	Excavation in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m).(SI.NO. 3-2 a iv)							
		2x	2.00	x 11.17	x 2.50	x 2.50	=	279.25 Cft
		2x	2.00	x 4.17	x 2.50	x 2.50	=	104.25 Cft
						Total =		383.50 Cft
						@ Rs		Cft

2	Providing and laying 1:4:8 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing. (SI.NO.5-8/e)							
		2x	2.00	x 11.17	x 2.50	x 0.50	=	55.85 Cft
		2x	2.00	x 4.17	x 2.50	x 0.50	=	20.85 Cft
						Total =		76.70 Cft
						@ Rs		Cft

3	Providing and laying in situ cement concrete using approved coarse sand and crushed aggregate having maximum size upto 3/4" (19mm) and down gauge in foundation including formwork using wooden braces and without wall ties, compaction, curing and removal of formwork (SI.NO.5-12/a)							
		2x	2.00	x 10.17	x 1.50	x 2.00	=	122.04 Cft
		2x	2.00	x 5.17	x 1.50	x 2.00	=	62.04 Cft
		2x	2.00	x 9.67	x 1.00	x 1.00	=	38.68 Cft
		2x	2.00	x 5.67	x 1.00	x 1.00	=	22.68 Cft
						Total =		245.44 Cft
						@ Rs:		Cft

4	Earth Filling watering and ramming under floor (SI.NO.3-16/a) Tank							
		1x	2.00	x 7.67	x	5.67 x 0.50	=	43.49 Cft
						Total =		43.49 Cft

						@	Rs:		Cft
5	Providing and laying 1:4:8 hand mixed cement concrete bed under floor using (Sl.No 14-1) 3rd step	2x	7.67	x 5.67	x 0.50				
						Total:	=	43.49	Cft
						@	Rs	43.49	Cft
6	Providing and laying 1:3:6 block masonry sand cement mortar (Sl.NO 9-7/cii)								
	L/W	2x	2.00	x 8.67	x	0.67 x	6.00 =	139.41	Cft
	S/W	2x	2.00	x 6.00	x	0.67 x	6.00 =	96.48	Cft
						Total	=	235.89	Cft
						@	Rs:		Cft
7	19mm thick cement Plaster on wall and columns in basement set in 1:4 cement mortar (Sl.No 15-4/iii)								
		2x	2.00	x(8+6)x6.00		x 1.00	=	336.00	Cft
		2x	2.00	x(9.34+7.34)x7.00		x 1.00	=	467.04	Cft
						A Total	=	803.04	Cft
						@ Rs:			Cft
8	Providing and fixing bib cock (Sl.NO 23-34)	1x	1.00	x 9.00	x 1.00	x 1.00	=	9.00	Nos
						Total:		9.00	Nos
						@ Rs			Each
9	Providing and fixing G.I pipe (Sl.NO 23-52/i-ii)								
			1	x 1.00	x 249.00	x 1.00	=	249.00	Rft
						Total:		249.00	Rft
						@	Rs		Rft

Total Rs:-

Say Rs:-

DETAILED ESTIMATE FOR THE REPAIR OF BASIC HEALTH UNIT KOHAK DASHT
DISTRICT KECH

GENERAL ABSTRACT.

1 Civil Work Rs:-

3 Surface Water Tank Rs:-

Total Rs:- 2253351.84

Say Rs:- 2253351.84

BHU Bonap Buleda Water Bore

GENERAL ABSTRACT.

1	Civil Work	Rs.	2,054,846.80

Say Rs:- 2.054 Million

DETAILED ESITAMTE FOR THE BORE , LEVLLING TUFF TILE FOR BHU BONAP BULEDA
DISTRICT KECH (BOQ)

S.NO	ITEM OF WORK	QTY:	REATE	UNIT	AMOUNT
1	Mobilization of Drilling accessories to site of work (N.S.R).				
		Total:	@	Rs	1.00 Job P.Job
2	Digging of pits for Boring Liquid (N.S.R).				
		Total:	@	Rs	1.00 Job P.Job
3	Drilling of bore in all types of soil except shingle, gravel and rock. (SI.No 27-5/a-i-p/27-229).				
		Total:	@	Rs	250.00 feet P.feet
4	Digging of bore exeeding 250ft depth below ground level (S.I.No 27-5bi/27-229).				
		Total:	@	Rs	50.00 feet P.feet
5	Supply of PVC blind pipe of approved make registered with PSQCSA in tubewell bore hole (S.I.No 27-48/dvip/27-248).				
		Total:	@	Rs	180.00 feet P.feet
6	Supply of PVC strainer in tubewell bore hole including sockets and solvent (NSR).				
		Total:	@	Rs	120.00 feet P.feet
7	Installing uPVC blind pipe IIL, Dadex or equivalent make registered with PSQCA in tubewell bore hole and/or laying, cutting, jointing and testing uPVC pipe lines in trenches. (S.I.No 27-49/D-vi-p-27-251).				
		Total:	@	Rs	300.00 feet P.feet

8	Providing and installing M.S bail plug of approved make registered with PSQCA. (S.I.No 27-12/ip/27-231).	Total: @ Rs 1.00 feet P.feet
9	shrouding and installing with graded pea gravel 3/8 to 1/8"(10mm to 3mm) around tubewell bore hole. (S.I.No 27-21/p 27-234).	Total: @ Rs 367.00 Cft P.Cft
10	Logging tubewell Bore I/C lithology og bore strata chart (NSR).	Total: @ Rs 1.00 job P.job
11	Development / Testng of Tube well by compressor mechine (S.I.No 27-20-ap/27-234).	Total: @ Rs 1.00 job P.job
12	Levelling and dressing the ground by cutting and filling earth upto 150mm in depth including consolidating and watering. (SI.NO.3-53)	Total = 80000.0 Sqm @ Rs Sqm

Supply and Fixing of Concrete pavers on 3" thick sand cushion of different designs having thickness of 60 mm, mechanically compressed, minimum strenght of 6000 psi after laboratory testing at factory and random testiing at site as and when desired by the Engineer inchange comple in all respects.
a) 60 mm thick, tuff tiles Natural gray
(SI.NO. 21-91)

Total	=	3000.0	Sft
@ Rs			Sft
Total		Rs:-	
G:Total		Rs:	

**DETAILED ESTIMATE FOR THE REHABILITATION OF BASIC HEALTH UNIT(BHU) AT MIR
BOHAIR BAZAR SOLO BULEADA DISTRICT KECH**

GENERAL ABSTRACT.

1	BHU SOLO	Rs.	5,877,249.47
2	RESIDENTIAL QUARTER	RS	2,257,379.35

Say Rs:- 8,134,628.82

DETAILED ESTIMATE FOR THE REHABILITATION OF BASIC HEALTH UNIT(BHU) AT MIR BOHAIR BAZAR SOLO BULEDA DISTRICT KECH

S.NO	DISCRIPTION OF WORK			N	LBD	H	QTY:	RATE	UNIT	AMOUNT
1	Scraping, rubbing and cleaning paints of all sorts, from walls and ceiling including removal of rubbish from the site in ground floor or basement. and Distempering on old surface (Sl.NO 17-22-1+17-60)									
	Ceiling Corridor	1x	1.00	x	44.00	x	10.00	=	440.00	Sft
	Room	1x	6.00	x	14.00	x	12.00	=	1008.00	Sft
	Toilet+Store	1x	6.00	x	6.00	x	6.00	=	216.00	Sft
	Store	1x	1.00	x	10.00	x	6.00	=	60.00	Sft
	Porch	1x	1.00	x	12.00	x	5.00	=	60.00	Sft
	inside wal	6x	2.00	x(	14.00	+	12)x	12.75	=	3978.00 Sft
		2x	2.00	x(	6.00	+	6)x	9.00	=	336.00 Sft
		1x	2.00	x(	10.00	+	6)x	9.00	=	288.00 Sft
		2 x	2.00	x(	6.00	+	6)x	12.75	=	612.00 Sft
		2x	2.00	x(	46.67	+	10)x	12.75	=	2890.17 Sft
		1x	1.00	x	45.33	x		14.75	=	668.62 Sft
		1x	2.00	x	3.34	x		9.00	=	60.12 Sft
		1x	2.00	x	44.67	x		14.75	=	1317.77 Sft
		2x	6.00	x	1.50	x		14.75	=	265.50 Sft
		2x	9.00	x	1.50	x		14.75	=	398.25 Sft
		2x	2.00	x	1.50	x		14.75	=	88.50 Sft
		2x	1.00	x	1.00	x		14.75	=	29.50 Sft
		1x	1.00	x	25.38	x		11.00	=	279.18 Sft
		2x	1.00	x	6.34	x		11.00	=	139.48 Sft
		2x	1.00	x	7.00	x		14.75	=	206.50 Sft
		2x	6.00	x	6.00	x		1.50	=	108.00 Sft
		2x	6.00	x	3.00	x		1.50	=	54.00 Sft
		2x	1.00	x	14.00	x		1.50	=	42.00 Sft
		2x	2.00	x	4.50	x		1.50	=	27.00 Sft
		2x	1.00	x	12.00	x		1.50	=	36.00 Sft
		1x	1.00	x	12.00	x		0.67	=	8.04 Sft
		2x	2.00	x	5.00	x		1.50	=	30.00 Sft
		2x	1.00	x	5.00	x		0.67	=	6.70 Sft
	Outside	1x	2.00	x(	53.00	+	44.8)x	14.00	=	384.00 Sft
		1x	1.00	x	600.00	x		7.00	=	4200.00 Sft
						A	Total:		18237.32	Sft
	D/D of Door / window	1 x	6.00	x	3.00	x	7	1.00	=	126.00 Sft
		1 x	4.00	x	2.50	x	7	1.00	=	70.00 Sft
		1 x	1.00	x	4.00	x	7	1.00	=	28.00 Sft
	window	1 x	6.00	x	4.00	x	4	1.00	=	96.00 Sft
		1 x	6.00	x	3.00	x	4	1.00	=	72.00 Sft
	vent	1 x	2.00	x	2.00	x	1.5	1.00	=	6.00 Sft
	vent	1 x	3.00	x	4.00	x	1.5	1.00	=	18.00 Sft
							Total:		416.00	Sft
							(A-B)	=	17821.32	Sft
							Net	=	17821.32	Sft

@ Rs

Sft

Providing and laying 1/4" to 3/8"
(6mm to 9mm) thick Glazed/ Matt
tiles of
any colour and size in ground floor
laid over 1" (25mm) thick cement
sand mortar base including
jointing and washing the tiles with
white
cement slurry of matching color by
using color pigment and curing
(SI.NO. 14-25/a)

2

6	x	1 x 14.00	x 12.00	x 1.00	=	1008.00	Cft
46	x	1 x 6.00	x 6.00	x 1.00	=	1656.00	Cft
1	x	1 x 10.00	x 6.00	x 1.00	=	60.00	Cft
1	x	1 x 44.00	x 10.00	x 1.00	=	440.00	Cft

Total = 3164.00 Cft
@ Rs: Cft

Providing and laying 1/4" to 3/8"
(6mm to 9mm) thick Glazed/ Matt
tiles of
any colour and size in ground floor
laid over 1" (25mm) thick cement
sand mortar base including
jointing and washing the tiles with
white
cement slurry of matching color by
using color pigment and curing
(SI.NO. 14-25/a)

3

6	x	2 x(14.00	+ 12.00	)x 0.50	=	156.00	Cft
2	x	2 x(46.67	+ 10.00	)x 0.50	=	113.34	Cft
6	x	2 x(6.00	+ 6.00	)x 7.00	=	1008.00	Cft
1	x	2 x(10.00	+ 6.00	)x 7.00	=	224.00	Cft

Total = 269.34 Cft
@ Rs: Cft

Providing and laying 1:2:4 P.C.C
roof screeding using crushed
stone 3/4"
(19mm) including formwork,
consolidation, finishing and curing
(SI.NO. 14-68/c)

4

1	x	1 x 50.67	x 47.33	x 0.50	=	1199.11	Sft
1	x	1 x 47.33	x 15.00	x 1.00	=	709.95	Sft

Total = 1909.06 Sft
@ Rs: Sft

Providing & fixing steel windows with openable glazed panels using beam section for frame 1.5"x1"x5/8"x1/8" z-section for leave 3/4"x1"x3/4"x1/8" T-section sashes 1"x1"x1/8" glass panes, wooden screws for glazing embedded over a thin layer of putty duly screwed with leave with fittings of approved make including cost of painting, hold fast, fabrication, cutting holes as per approved design

5	(Sl.NO. 28-58-bii)								
	windows	1 x 6.00	x 4.00	x 4.00	=	96.00	Sft		
		1 x 6.00	x 3.00	x 4.00	=	72.00	Sft		
	vent	1 x 2.00	x 2.00	x 1.50	=	6.00	Sft		
		1 x 3.00	x 3.00	x 1.50	=	13.50	Sft		
				Total:		187.50	Sft		
				@	Rs:		Sft		

Providing and fixing of iron grill with required section of flat iron as per approved design i/c welding(28-28)

8		6 x 4.50	x	5.50	=	148.50	Sft		
		6 x 3.50	x	4.50	=	94.50	Sft		
				Total	=	243.00	Sft		
	change in to Kg			243.00x	3.00=	729.00	Kg		
				@			P.kg		

Providing and fixing single leaf steel door with frame fully panelled with M.S sheet 16 gauge (1.59mm) painted with two coats of red oxide paint with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls. (S.NO.28-5)

6									
	Doors	1 x 6.00	x 3.00	x 7	1.00	=	126.00	Sft	
		1 x 4.00	x 2.50	x 7	1.00	=	70.00	Sft	
		1 x 1.00	x 4.00	x 7	1.00	=	28.00	Sft	
				Total:		349.91	Sft		
				@	Rs:		Sft		

7	Providing and fixing wooden box type wardrobe 22" (550mm) deep including 3/4" (19mm) thick boxing and shelves hanger rods, hardboard 3/16" (5mm) thick back drawers, brass fitting, locking arrangement, handles, internal bolts, shoe rods including painting.(16-82c)	1	x	6 x 4.00	x 7.00	x 1.00	=	168.00	Sft
							Total =	168.00	Sft
						@	Rs:		Sft

8

Providing and fixing steel gate of flat iron sections of approved design with or without M.S. sheet covering including hold fast with or without roller and track arrangement including providing wicket shutter of required size with all accessories and locking arrangement as per direction of the Engineer Incharge. (SI.NO. 28-18-1)

1x	1 x 12.00	x 8.00	x 1.00	=	96.00	Sft
			Total:	=	96.00	Sft
	96.00X	2	192	@ Rs		p.Kg

9	Painting with ICI/Berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on steel and iron work over and including the cost of priming coat, surface preparation, removing rust, scales and dust with wire brush in ground floor or basement. (@ atleast 1.25Litre per 10 Sq.m).(SI.NO. 17-7)	2x 1.00	x 12.00	x 8.00	x 1.00	=	192.00	Sft
	Gate	2 x 6.00	x 3.00	x 7.00	1.00	=	252.00	Sft
	Doors	2 x 4.00	x 2.50	x 7.00	1.00	=	140.00	Sft
		2 x 1.00	x 4.00	x 7.00	1.00	=	56.00	Sft

Windows	2 x 4.00	x 4.00	x 4.00	x 1.00	=	64.00	Sft
	2 x 6.00	x 3.00	x 3.00	x 1.00	=	54.00	Sft
Vent	2 x 4.00	x 2.00	x 1.50	x 1.00	=	12.00	Sft
	2 x 3.00	x 3.00	x 1.50	x 1.50	=	20.25	Sft
				Total:	=	790.25	Sft
				@ Rs			Sft

1/2 inch (13mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.

10	(SI.NO. 15-3/biii)							
		1x	1 x 400.00	x 7.00	x 1.00	=	2800.0	Sft
		1x	2 x 100.00	x 7.00	x 1.00	=	1400.00	Sft
					Total:		4200.0	Sft
					@	Rs:		Sft

Colour washing two coats over and including the cost of one priming coat of lie wash including dusting, filling the holes, cracks and removing inequalities, if any, at any height in any floor

11	(SI.NO. 17-63-1)	Same qty item no (10)	=	5600.0	Sft
			@ Rs		Sft

Plastering in patches in cement sand mortar 1:4 including curing and scraping old damaged portions in regular shape and removal of rubbish from the site in ground floor (SI.NO.

12	15-44/c)									
		1	x	2.00	x	155.00	x	4.00=	1240	Sft
		1	x	2.00	x	145.00	x	4.50=	1305	Sft
		1	x	2.00	x	34.00	x	3.50=	238	Sft
		1	x	2.00	x	100.00	x	3.00=	600	Sft
		1	x	2.00	x	49.00	x	3.00=	294	Sft
		1	x	2.00	x	600.00	x	3.00=	3600	Sft
								Total =	7277.00	Sft
								@ Rs		Sft

Light circuit concealed/open wiring with length upto 65 ft. (20m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage (S.I.No

13	30-2/a)
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1.00	x	15.00	=	15.00	Point
Total			=	15.00	Point
			@ Rs		Point

Concealed/open wiring from point to switch with length upto 30 ft. (10m) including any switch to switch wiring with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables, (S.I.No 30-3/a)

14	1.00	x	10.00	=	10.00	Point
	Total			=	10.00	Point
				@ Rs		Point

Description same as in item 30-17 but upto 4 to 6 switches on a common board. (S.I.No 30-18)

15	1.00	x	10.00	=	10.00	Nos
	Total			=	10.00	Nos
				@ Rs		Each

Supply and installation of celing fan 56"size (S.I.No 30-87)

16	1.00	x	2.00	=	2.00	Nos
	Total			=	2.00	Nos
				@ Rs		Each

Description same as in item 30-56 but with 30 Amps. switch. (S.I.No 30-57)

17	1.00	x	10.00	=	10.00	Nos
	Total			=	10.00	Nos
				@ Rs		Each

15Amp load circuit (S.I.No 30-56)

18	1.00	x	11.00	=	11.00	Nos
	Total			=	11.00	Nos
				@ Rs		Each

Supply and installation of Engrgy saver blub (S.I.No 30-117)

19	1.00	x	10.00	=	10.00	Nos
	Total			=	10.00	Nos
				@ Rs		Each

Total Rs:- _____

Say	Rs:-
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DETAILED ESTIMATE FOR REPAIR OF RESIDENTIAL QUARTER FOR BHU MIR BOHAIR BAZAR SOLO BULEDA

S.NO	DISCRIPTION OF WORK	N	LBD	QTY:	RATE	UNIT	AMOUNT
	Scraping Rubbing and cleaning of Emulsion finish distemper snowcem from walls and ceiling including removal of rubbish all floors (SI.NO						
1	17-52-1+17-60/c)						
	Room ceiling	1 x 4.000 x	12.00 x 14.00 =	672.00	Sft		
	wash room	1 x 2.000 x	6.00 x 6.00 =	72.00	Sft		
	Store	1 x 2.000 x	6.00 x 6.00 =	72.00	Sft		
	verandah	1 x 1.000 x	6.00 x 26.00 =	156.00	Sft		
	kitchen	1 x 1.000 x	8.00 x 14.00 =	112.00	Sft		
	inside room	1 x 2.000 x(12 + 16.00)x	12.00 =	672.00	Sft		
	bath room	1 x 2.000 x(5 + 5.50)x	12.00 =	252.00	Sft		
	verandah	1 x 2.000 x(8 + 10.00)x	12.00 =	432.00	Sft		
	Store INSIDE	1 x 2.000 x(10 + 8.00)x	12.00 =	432.00	Sft		
	out side	1 x 2.000 x 34 x	14.00 x 1.00 =	952.00	Sft		
	corri door	1 x 1.000 x 5 x	28.00 x 1.00 =	140.00	Sft		
	dinning hall	1 x 1.000 x 14 x	18.00 x 1.00 =	252.00	Sft		
			A Total =	4216.00	Sft		
	Deduction Door	1 x 5.00x	3.50 x 7.00=	122.5	Sft		
	D2	1 x 4.00x	3.00 x 7.00=	84	Sft		
		1 x 4.00x	2.50 x 7.00=	70	Sft		
		1 x 1.00x	4.00 x 7.00=	28	Sft		
	W	1 x 3.00x	5.50 x 7.00=	115.5	Sft		
		1 x 3.00x	2.00 x 3.00=	18	Sft		
		1 x 1.00x	5.50 x 10.00=	55	Sft		
		1 x 1.00x	5.00 x 6.00=	30	Sft		
		1 x 1.00x	3.00 x 5.00=	15	Sft		
			B Total B	538	Sft		
			(A-B) =	3678.00	Sft		
			@=		Sft		
	Providing and laying 1:2:4 cement concrete floor using using crushed aggrgate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing. (SI.NO.14-2/aiii)						
2	verandah	1 x 1.00 x	6.00 x 26.00 =	156.00	Sft		
			Total =	156.00	Sft		
			@ Rs		Sft		

Providing and fixing 1.5" (38 mm) thick fully panelled First class deodar wood shutter fixed with ply/ hard board/ chipboard/ Cement Fibre sheet and with approved nickle plated hinges and tower bolts.							
3	(SI.No. 16-8/b)	Door	1 x	2.00x	3.50 x	7.00=	49 Sft
						Total =	49.00 Sft
						@ Rs	Sft
Painting on robbialac or equivalant on wood work							
4	(SI.NO. 17-6)		2 x	5.00x	3.50 x	7.00=	245 Sft
						Total =	245 Sft
						@ =	Sft
Providing & fixing steel windows with openable glazed panels using beam section for frame 1.5"x1"x5/8"x1/8" z-section for leave 3/4"x1"x3/4"x1/8" T-section sashes 1"x1"x1/8" glass panes, wooden screws for glazing embedded over a thin layer of putty duty screwed with leave with fittings of approved make including cost of painting, hold fast, fabrication, cutting holes as per approved design.							
5	(SI.NO. 28-58)		1 x	2.00x	5.50 x	7.00=	77 Sft
						Total =	77 Sft
						@ Rs	Sft
Painting with ICI/Berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on steel and iron work (SI.NO. 17-7-1)							
6			2 x	5.00x	5.50 x	7.00=	385 Sft
			2 x	4.00x	2.00 x	3.00=	48 Sft
			2 x	1.00x	5.50 x	10.00=	110 Sft
			2 x	1.00x	5.00 x	6.00=	60 Sft
			2 x	1.00x	3.00 x	5.00=	30 Sft
						Total =	633 Sft
						@ Rs	Sft

Plastering in patches in cement sand mortar 1:4 including curing and scraping old damaged portions in regular shape and removal of rubbish from the site in ground floor (SI.NO.									
7	15-44/c)	2 x 37.00 x	14.83	=	1097.42	Sft			
				Total	=	1097.42	Sft		
				@	Rs:		Sft		
Providing and fixing of iron grill with required section of flat iron as per approved design i/c welding(28-28)									
8		1 x 3.00x	6.00 x	7.50=	135	Sft			
				Total	=	135.00	Sft		
				135.00x	3.00=	405.00	Kg		
				@			P.kg		
change in to Kg									
Supply and Fixing of Concrete pavers on 3" thick sand cushion of different designs having thickness of 60 mm, mechanically compressed, minimum strenght of 6000 psi after laboratory testing at factory and random testiing at site as and when desired by the Engineer inchange comple in all respects. (SI.NO. 21-91)									
9		1 x 70.00 x	100.00	=	7000.00	Sft			
				Total	=	7000.00	Sft		
				@	Rs:		Sft		
Providingand laying1:2:4P.C.Croof screedingusingcrushedstone3/4"									
(19mm) including formwork, consolidation, finishing and curing (SI.NO. 14-68)									
10		1 x 34.00 x	25.00	=	850.00	Sft			
				Total	=	850.00	Sft		
				@	Rs:		Sft		

- Light circuit concealed/open wiring with length upto 65 ft. (20m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage (S.I.No 30-2/a)

$$1.00 \times 10.00 = 10.00 \text{ Point}$$

$$\text{Total} = 10.00 \text{ Point}$$

$$@ \text{ Rs } \text{Point}$$

- Concealed/open wiring from point to switch with length upto 30 ft. (10m) including any switch to switch wiring with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables, (S.I.No 30-3/a)

$$1.00 \times 2.00 = 2.00 \text{ Point}$$

$$\text{Total} = 2.00 \text{ Point}$$

$$@ \text{ Rs } \text{Point}$$

- Description same as in item 30-17 but upto 4 to 6 switches on a common board. (S.I.No 30-18)

$$1.00 \times 8.00 = 8.00 \text{ Nos}$$

$$\text{Total} = 8.00 \text{ Nos}$$

$$@ \text{ Rs } \text{Each}$$

- Supply and installation of celing fan 56"size (S.I.No 30-87)

$$1.00 \times 2.00 = 2.00 \text{ Nos}$$

$$\text{Total} = 2.00 \text{ Nos}$$

$$@ \text{ Rs } \text{Each}$$

Total Rs:-

G:Total Rs:-

Say Rs:-

REPAIR AND RENOVATION OF BHU ARAH DISTRICT AWARAN
GENERAL ABSTRACT

S NO.	DESCRIPTION OF WORK	AMOUNT
1	REPAIR AND RENOVATION OF BHU ARAH DISTRICT AWARAN	
2	CONSTRUCTION OF UNDER GROUND WATER TANK	
3	CONSTRUCTION OF SEPTIC TANK	

Total Rs. 4449084/-

Say Rs. 4.449 Million

REPAIR AND RENOVATION OF BHU ARAH DISTRICT AWARAN

S.No	Description	No	L	B/H	Qty	Rate	Amounte
1	Scraping rubbing and cleaning of emulsion finish snowcem from wall and ceiling including removal of rubbish in all floors. (S.I No: 4-56)						0
	CEILING						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 sft
	First Aid	1	x	12.50	x	6.00	= 75.00 sft
	Porch	1	x	17.00	x	10.00	= 170.00 sft
	Toilet	2	x	5.00	x	4.00	= 40.00 sft
		1	x	4.33	x	5.67	= 24.55 sft
	Walls						
	Office	1	2	x	16.25	x	11.50 = 373.75 sft
		1	2	x	12.50	x	11.50 = 287.50 sft
	Ward	1	2	x	16.00	x	11.50 = 368.00 sft
		1	2	x	12.00	x	11.50 = 276.00 sft
	First Aid	1	2	x	12.50	x	11.50 = 287.50 sft
		1	2	x	6.00	x	11.50 = 138.00 sft
	Porch	1	1	x	17.00	x	8.50 = 144.50 sft
	Porch	1	1	x	10.00	x	8.50 = 85.00 sft
	Beam	1	1	x	17.00	x	3.00 = 51.00 sft
		1	1	x	10.00	x	3.00 = 30.00 sft
	Columns	1	2	x	3.32	x	7.50 = 49.80 sft
	Toilets	1	2	x	5.00	x	9.50 = 95.00 sft
		1	2	x	4.00	x	9.50 = 76.00 sft
		1	1	x	4.33	x	9.50 = 41.14 sft
		1	2	x	5.66	x	9.50 = 107.54 sft
	Outer Side	1	1	x	71.75	x	13.50 = 968.63 sft
	Shade	1	1	x	117.66	x	1.50 = 176.49 sft
	Toilets	1	1	x	14.67	x	11.00 = 161.37 sft
		1	2	x	6.33	x	11.00 = 139.26 sft
		1	2	x	5.33	x	11.00 = 117.26 sft
						Total A	4678.41 sft
	Deuction						
	D	1	x	2	x	3.50 x 7.00	= 49.00 sft
	D1	1	x	1	x	3.00 x 7.00	= 21.00 sft
	D2	1	x	2	x	2.50 x 7.00	= 35.00 sft
	W	1	x	5	x	4.00 x 4.00	= 80.00 sft
	v	1	x	2	x	1.50 x 1.50	= 4.50 sft
						Total B	189.50 sft
	Net Quantity(A---B)		4678.41		189.50	Total	4488.91 sft
2	Removing door with chowkat						
	SINO.4-32/a						
	Main Building	1	x	2	x	3.50 x 7.00	= 49.00 sft
	Toilet Block	1	x	1	x	3.00 x 7.00	= 21.00 sft
		1	x	2	x	2.50 x 7.00	= 35.00 sft
						Total	105.00 sft
3	Removing Windows with chowkat						
	SINO.4-32/b						
	w	1	x	4	x	4.00 x 4.00	= 64.00 sft
	v	1	x	1	x	1.50 x 1.50	= 2.25 sft
						Total	66.25 sft
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes						
	SINO.4-19/a						
	Office	1	x	1	x	16.25 x 12.50	= 203.13 sft
	Ward	1	x	1	x	16.12 x 1.50	= 24.18 sft
	First Aid	1	x	1	x	12.50 x 6.00	= 75.00 sft
	Porch	1	x	1	x	17.00 x 10.00	= 170.00 sft
	Toilets & Bath	1	x	2	x	5.00 x 4.00	= 40.00 sft
						Total	512.31 sft
5	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.						
	SINO.14-2/bii						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 cft
	First Aid	1	x	12.50	x	6.00	= 75.00 cft
	Toilets	2	x	5.00	x	4.00	= 40.00 cft
	Wash Area	1	x	4.33	x	5.66	= 24.51 cft
						Total	534.63 sft

- 6 Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard

SINO.28-40/cii

(3.5+3.5+7.5+7.5=25)

(3.0+3.0+7.5+7.5=21)

(2.5+2.5+7.5+7.5=25)

2	x	1.00	x
1	x	1.00	x
2	x	1.00	x

25.00	=	50.00	sft
21.00	=	21.00	sft
20.00	=	40.00	sft

Total		111.00	sft
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- 7 providing and laying super white 12"x12" marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.

SINO.14-9/b

Office	1	x	1	x	16.25	x	12.50	=	203.13	sft
Ward	1	x	1	x	16.00	x	12.00	=	192.00	sft
First Aid	1	x	1	x	12.50	x	6.00	=	75.00	sft
Porch	1	x	1	x	17.00	x	10.00	=	170.00	sft
Total									640.13	sft

- 9 Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry of matching color, cleaning & curing.

SINO.14-64/a

Toilets & Bath	2	x	2	x	5.00	x	7.00	=	140.00	sft
	4	x	2	x	4.00	x	7.00	=	224.00	sft
Wash Area	1	x	1	x	4.33	x	7.00	=	30.31	sft
	1	x	2	x	5.66	x	7.00	=	79.24	sft
Total									473.55	sft

- 10 Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing

SINO.14-25/a

Toilets & Bath Floor	1	x	2	x	5.00	x	4.00	=	40.00	sft
Wash Area	1	x	1	x	4.33	x	5.66	=	24.51	sft
Total									64.51	sft

- 11 providing and laying Roof Screeding thick using 3/4 (19mm) including form work consolidating finishing and curing.

SINO.14-68/b

	Main Building	1	x	33.33	x	27.00		899.91	sft
	Toilet Block	1	x	17.66	x	9.33		164.7678	sft
12	providing on old surface of wall with Bergerconcrete surfac including cleanding and ICI or equvalint on plastered rendered orsand preparing the surfac.					Total		1064.6778	sft
	Same Quantity of item no.1							4488.91	sft
						Total		4488.9061	
13	painting on old surface on wood work withBerger /ICI or equivalent super gloss syenthetic enmal paint on wood work.								
	SINO.17-31	2	x	2	x	3.50	x	7.00	= 98.00 sft
	D1	2	x	1	x	3.00	x	7.00	= 42.00 sft
	D2	2	x	2	x	2.50	x	7.00	= 70.00 sft
						Total		210.00	sft
14	Providing and fixing fully glazed single leaf hung/sliding aluminium windows, ventilators (Deluxe model - 1.6mm) of anodized champagne or approved color of Prime, Chawala, SINO.28-24/1								
	Windows	5	x	4.00	x	4.00	=	80.00	sft
						Total		80.00	sft
15	providing and fixing iron grills as approvedjunction including with sunk iron screwdesign including weilding of all side at painting with two coat of red oxide.								
	Windows	5	x	5.00	x	5.00	=	125.00	sft
	Conversion in Kg	125	x			3.5	Total	437.50	Kg
12	Applying weather resistant paint coating such as ICI weather								
	17-69-1								
	SAME QTY OF PLASTER					4480.00	SFT		
13	Providing and fixing steel grated double leaf Gate with locking								
	28-18-1								
	M. GATE	1	1	###	7.00	84.00	SFT		
	SIDE GATE	1	1	###	7.00	28.00	SFT		
					Total	112.00	SFT		
					4.3	112.00	487.20	SFT	
						487.20	SFT		
16	providing and fixing GI wire guaze 22 guage(1.15 mm) and 144 mesh per sq .inch withfirst class deodar beading with one sq inchas approved design.								
	SINO.16-40-A	5	x	5.00	x	5.00	=	125.00	sft
	Windows					Total		125.00	sft
17	providing and fixing first class deodar wooddeodar wood shutter fully panelled with same wood and fixed with approved brass hinges and tower bolts								

SINO.16-7/A								
Doors	2	x	3.50	x	7.00	=	49.00	sft
Doors	1	x	3.00	x	7.00	=	21.00	sft
Doors	2	x	2.50	x	7.00	=	35.00	sft
Total							105.00	sft

SANITARY FITTING AND WATER SUPPLY

- 18 Providing and fixing export quality glazed earthen ware wash basin manufactured by ICL Boch/Karam Cera or equivalent approved make with single hole chromium plated mixer tap 1/2" (15mm), pillar tap delux, stop cocks, C.I. or W.I. brackets 6" (150mm) built into walls 1.5" (40mm) C.P. brass waste with malleable iron or C.P. brass trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material

SINO.23-5	1	x	1	=	1	Nos
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Total	1	Nos
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- 19 providing fixing stainless steel sink Pakistan made with C.I. or W.I brackets 6" built in wall, 1.5" (40 mm) rubber plug,C.P. brass chain, C.P. brass waste, pillar tap 2 way delux, 1.5" dia malleable iron or C.P. brass trap and unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material

SINO.23-8/a	1	x	1	=	1	Nos
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1 Nos

- 20 providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with screw.
SINO.23-15-1

Baths	1	x	1	x	1	1	
Total							1 sft

- 21 Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved

SINO.23-2/a	1	x	2	=	2	Nos
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Total	2	Nos
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- 22 providing and fixing approved make plastic accessories.

SINO.23-30						
Soap Dish	1	x	2	=	2	Nos

				Total		2	Nos
23	Toilet paper Holder	1	x	2	=	2	Nos
				Total		2	Nos
24	Towel Rod SINO.23-30	1	x	3	=	3	Nos
				Total		3	Nos
25	providing and fixing approved quality bib cock SINO.23-34/B	1	x	2	=	2	Nos
				Total		2	Nos
26	providing laying cutting jointing and disinfecting G.I Pipe lill make or equavilient. SINO.23-52/Aii	1	x	210	=	210	Rft
				Total		210	Rft
INTERNAL ELECTRIFICATION							
27	Light circuit concealed/open wiring with length upto 75 ft. (25m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings. SINO.30-1	1	x	6	=	6	point
				Total		6	point
28	Wiring of 5 Amps. socket outlet with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc. SINO.30-9	2	x	12	=	24	Rm
				Total		24	Rm
29	supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories. SINO.30-87	1	x	4	=	4	point
				Total		4	point
30	fixing fan to ceiling SINO.30-89/B	1	x	4	=	4	point
				Total		4	point
31	supply and installation 20" (500 mm) sweep revolving bracket fan with guard SINO.30-114	1	x	2	Total	=	2 point
						2	point
32	Supply and install 10" (250 mm) sweep						

	SINO.30-113	1	x	2	2	point
33	Supply and install Energy Saver electric bulbs25W Philips energy save					
	SINO.30-117/C	1	x	15	15	point
34	Providing and fixing LDPE overhead tank manufactured by Dura or equivalent on top of any floor louvers.	1	x	1	1	Nos
	SINO.27-44					
35	Supply and install Electric motors with pump including all accessories.	1	x	1	1	
36						
37	Supply and install 35 gallons electric geyser	1	x	1	1	
		1	x	1	1	
38	R.C.C pipe with bell & spigot or tongued & grooved joint conforming to ASTM C-76 class II wall B or BS 3911 Part I class M					
	SINO.25-1/bi	1	x	50	50	Rft
39	Providing manhole type 'A' size 24" x 18" (inside dimensions) as per approved design and specifications complete for 4" to 12" dia pipes upto 4 ft. (1.2 m) depth with 16" dia.Concrete Cover fixed					
	SINO.25-4/a	1	x	3	3	Rft
40	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes conforming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings,					
	SINO.27-46/av	1	x	100	100	Rft

CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with excecavted earth watering and ramming lead up to 30 m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
						Total=	405.00	CFT		
2	Providing and laying cement concrate 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	BOTTOM	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		
						Total=	60.75	CFT		

5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls								
	S.I NO 5-22/B								
		1	1	33.50	0.75	7.00	175.88	CFT	
						Total	175.88	CFT	
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"								
	5-22/c								
		1	1	8.75	8.75	0.50	38.28	CFT	
						0.00	38.28	CFT	
7	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.								
	14-2/aiii								
		1	1	1.00	8.75	8.00	70.00	Sft	
							70.00	Sft	
8	Providing and laying terrazzo dado/skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing								
	14-50/a+14-53/a								
		1	1	1.00	33.50	8.00	268.00	Sft	
						Total	268.00	Sft	
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.								
	25-12/b								
		1	1	1.00	1.00	5.00	5.00	each	
						Total	5.00	each	
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.								

	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
					Total		33.50	Rft		
11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.									
	28-7/1									
		1	1	2.00		2.00	4.00	Sft		
					Total		4.00	Sft		
TOTAL									0	

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		

5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.								
	S.I NO 9-2/ciii								
		1	2	7.57	0.66	7.00	69.95	CFT	
		1	2	13.50	0.66	7.00	124.74	CFT	
		1	2	6.00	0.66	7.00	55.44	CFT	
						Total	250.13	CFT	
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"								
	5-22/c								
		1	1	13.50	7.66	0.75	77.56	CFT	
							77.56	CFT	
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.								
	15-4/iii								
		1	1	2.00	21.32	6.00	255.84	Sft	
		1	1	4.00	7.66	6.00	183.84	Sft	
					Total		439.68	Sft	
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.								
	25-12/b								
		1	1	1.00	1.00	1.00	1.00	each	
						Total	1.00	each	
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.								
	13-16/a								
		1	1	1.00		2.00	2.00	No	
					Total		2.00	No	
TOTAL									

AWARAN
GENERAL ABSTRACT

S NO.	DESCRIPTION OF WORK	AMOUNT
1	REPAIR & RENOVATION OF BHU BUILDING AND BOUNDARY WALL CHERI MALLAR	
2	CONSTRUCTION OF UNDER GROUND WATER TANK	
3	CONSTRUCTION OF SEPTIC TANK	

Total Rs. 4451982/-

Say Rs. 4.452 Million

DETAIL ESTIMATE FOR REPAIR AND RENOVATION OF BHU CHERI MALLAR DISTRICT AWARAN.

S.No	Description	No	L	B/H	Qty	Rate	Amounte
1	Scraping rubbing and cleaning of emulsion finish snowcem from wall and ceiling including removal of rubbish in all floors. (S.I No: 4-56)						
	CEILLING						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 sft
	First Aid	1	x	12.50	x	6.00	= 75.00 sft
	Porch	1	x	17.00	x	10.00	= 170.00 sft
	Toilet	2	x	5.00	x	4.00	= 40.00 sft
		1	x	4.33	x	5.67	= 24.55 sft
	Walls						
	Office	1	2	x	16.25	x	11.50 = 373.75 sft
		1	2	x	12.50	x	11.50 = 287.50 sft
	Ward	1	2	x	16.00	x	11.50 = 368.00 sft
		1	2	x	12.00	x	11.50 = 276.00 sft
	First Aid	1	2	x	12.50	x	11.50 = 287.50 sft
		1	2	x	6.00	x	11.50 = 138.00 sft
	Porch	1	1	x	17.00	x	8.50 = 144.50 sft
	Porch	1	1	x	10.00	x	8.50 = 85.00 sft
	Beam	1	1	x	17.00	x	3.00 = 51.00 sft
		1	1	x	10.00	x	3.00 = 30.00 sft
	Columns	1	2	x	3.32	x	7.50 = 49.80 sft
	Toilets	1	2	x	5.00	x	9.50 = 95.00 sft
		1	2	x	4.00	x	9.50 = 76.00 sft
		1	1	x	4.33	x	9.50 = 41.14 sft
		1	2	x	5.66	x	9.50 = 107.54 sft
	Outer Side	1	1	x	71.75	x	13.50 = 968.63 sft
	Shade	1	1	x	117.66	x	1.50 = 176.49 sft
	Toilets	1	1	x	14.67	x	11.00 = 161.37 sft
		1	2	x	6.33	x	11.00 = 139.26 sft
		1	2	x	5.33	x	11.00 = 117.26 sft
					Total A		4678.41 sft
	Deuction						
	D	1	x	2	x	3.50	x 7.00 = 49.00 sft
	D1	1	x	1	x	3.00	x 7.00 = 21.00 sft
	D2	1	x	2	x	2.50	x 7.00 = 35.00 sft
	W	1	x	5	x	4.00	x 4.00 = 80.00 sft
	v	1	x	2	x	1.50	x 1.50 = 4.50 sft
					Total B		189.50 sft
	Net Quantity(A---B)			4678.41	189.50	Total	4488.91 sft
2	Removing door with chowkat						
	SINO.4-32/a						
	Main Building	1	x	2	x	3.50	x 7.00 = 49.00 sft
	Toilet Block	1	x	1	x	3.00	x 7.00 = 21.00 sft
		1	x	2	x	2.50	x 7.00 = 35.00 sft
					Total		105.00 sft
3	Removing Windows with chowkat						
	SINO.4-32/b						
	w	1	x	4	x	4.00	x 4.00 = 64.00 sft
	v	1	x	1	x	1.50	x 1.50 = 2.25 sft
					Total		66.25 sft
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes						
	SINO.4-19/a						
	Office	1	x	1	x	16.25	x 12.50 = 203.13 sft
	Ward	1	x	1	x	16.12	x 1.50 = 24.18 sft
	First Aid	1	x	1	x	12.50	x 6.00 = 75.00 sft
	Porch	1	x	1	x	17.00	x 10.00 = 170.00 sft
	Toilets & Bath	1	x	2	x	5.00	x 4.00 = 40.00 sft
	Wash Area	1	x	1	x	4.33	x 5.66 = 24.51 sft
					Total		536.81 sft
5	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.						
	SINO.14-2/bii						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 cft
	First Aid	1	x	12.50	x	6.00	= 75.00 cft
	Toilets	2	x	5.00	x	4.00	= 40.00 cft
	Wash Area	1	x	4.33	x	5.66	= 24.51 cft

Total	534.63	sft
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6 Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard

SINO.28-40/cii

(3.5+3.5+7.5+7.5=25)	2	x	1.00	x	25.00	=	50.00	sft
(3.0+3.0+7.5+7.5=21)	1	x	1.00	x	21.00	=	21.00	sft
(2.5+2.5+7.5+7.5=25)	2	x	1.00	x	20.00	=	40.00	sft
					Total		111.00	sft

7	providing and laying super white 12"x12" marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.										
	SINO.14-9/b										
	Office	1	x	1	x	16.25	x	12.50	=	203.13	sft
	Ward	1	x	1	x	16.00	x	12.00	=	192.00	sft
	First Aid	1	x	1	x	12.50	x	6.00	=	75.00	sft
	Porch	1	x	1	x	17.00	x	10.00	=	170.00	sft
						Total				640.13	sft
9	Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry of matching color, cleaning & curing.										
	SINO.14-64/a										
	Toilets & Bath	2	x	2	x	5.00	x	7.00	=	140.00	sft
		4	x	2	x	4.00	x	7.00	=	224.00	sft
	Wash Area	1	x	1	x	4.33	x	7.00	=	30.31	sft
		1	x	2	x	5.66	x	7.00	=	79.24	sft
						Total				473.55	sft
10	Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing										
	SINO.14-25/a										
	Toilets & Bath Floor	1	x	2	x	5.00	x	4.00	=	40.00	sft
	Wash Area	1	x	1	x	4.33	x	5.66	=	24.51	sft
						Total				64.51	sft
11	providing and laying Roof Screeding thick using 3/4 (19mm) including form work consolidating finishing and curring.										
	SINO.14-68/b										
	Main Building	1	x	33.33	x			27.00		899.91	sft
	Toilet Block	1	x	17.66	x			9.33		164.7678	sft
12	providing on old surface of wall with Bergerconcrete surfac including cleanding and ICI or equvalint on plastered rendered orsand preparing the surfac.										
	SINO.17-33/b										
	Same Quantity of item no.1									4488.91	sft
						Total				4488.9061	
13	painting on old surface on wood work withBerger /ICI or equivalent super gloss syenthetic enmal paint on wood work.										
	SINO.17-31										
	D	2	x	2	x	3.50	x	7.00	=	98.00	sft
	D1	2	x	1	x	3.00	x	7.00	=	42.00	sft
	D2	2	x	2	x	2.50	x	7.00	=	70.00	sft
						Total				210.00	sft
14	Providing and fixing fully glazed single leaf hung/sliding aluminium windows, ventilators (Deluxe model - 1.6mm) of anodized champagne or approved color of Prime, Chawala, Pakistan Cable or any approved section as approved by Engineer incharge including aluminium fittings, 5 mm local tinted glass, lugs, cutting holes and making good the damages to walls.										
	SINO.28-24/1										

[illegible]

1 x

100

100

Total	=	100	Rft
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CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
						Total=	405.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	BOTOM SLAM	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		

						Total=	60.75	CFT		
5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls									
	S.I NO 5-22/B									
		1	1	33.50	0.75	7.00	175.88	CFT		
						Total	175.88	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/aiii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
						Total	268.00	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									

		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
						Total	33.50	Rft		
11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.									
	28-7/1									
		1	1	2.00		2.00	4.00	Sft		
						Total	4.00	Sft		
TOTAL										

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting bending, binding wastage and providing such overlap as are not shown on the drawings, the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		
5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.									
	S.I NO 9-2/ciii									

		1	2	7.57	0.66	7.00	69.95	CFT		
		1	2	13.50	0.66	7.00	124.74	CFT		
		1	2	6.00	0.66	7.00	55.44	CFT		
						Total	250.13	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	13.50	7.66	0.75	77.56	CFT		
							77.56	CFT		
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.									
	15-4/iii									
		1	1	2.00	21.32	6.00	255.84	Sft		
		1	1	4.00	7.66	6.00	183.84	Sft		
					Total		439.68	Sft		
9	Providing and fixing step iron or foot rest in manhole chambersincluding setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	1.00	1.00	each		
						Total	1.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	13-16/a									
		1	1	1.00		2.00	2.00	No		
					Total		2.00	No		
TOTAL										

AWARAN
GENERAL ABSTRACT

S NO.	DESCRIPTION OF WORK	AMOUNT
1	REPAIR & RENOVATION OF BHU DAMB ALI MOHD	
2	CONSTRUCTION OF BOUNDARY WALL 320 RFT	
3	CONSTRUCTION OF UNDER GROUND WATER TANK	
4	WATER BORE	
5	CONSTRUCTION OF SEPTIC TANK	

Total Rs. 7436421/-

Say Rs. 7.436 Million

DETAIL ESTIMATE FOR REPAIR AND RENOVATION OF BHU DAMB ALI MOHD DISTRICT AWARAN.

S.No	Description	No	L	B/H	Qty	Rate	Amounte
1	Scraping rubbing and cleaning of emulsion finish snowcem from wall and ceiling including removal of rubbish in all floors. (S.I No: 4-56)						
	CEILING						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 sft
	First Aid	1	x	12.50	x	6.00	= 75.00 sft
	Porch	1	x	17.00	x	10.00	= 170.00 sft
	Toilet	2	x	5.00	x	4.00	= 40.00 sft
		1	x	4.33	x	5.67	= 24.55 sft
	Walls						
	Office	1	2	x	16.25	x	11.50 = 373.75 sft
		1	2	x	12.50	x	11.50 = 287.50 sft
	Ward	1	2	x	16.00	x	11.50 = 368.00 sft
		1	2	x	12.00	x	11.50 = 276.00 sft
	First Aid	1	2	x	12.50	x	11.50 = 287.50 sft
		1	2	x	6.00	x	11.50 = 138.00 sft
	Porch	1	1	x	17.00	x	8.50 = 144.50 sft
	Porch	1	1	x	10.00	x	8.50 = 85.00 sft
	Beam	1	1	x	17.00	x	3.00 = 51.00 sft
		1	1	x	10.00	x	3.00 = 30.00 sft
	Columns	1	2	x	3.32	x	7.50 = 49.80 sft
	Toilets	1	2	x	5.00	x	9.50 = 95.00 sft
		1	2	x	4.00	x	9.50 = 76.00 sft
		1	1	x	4.33	x	9.50 = 41.14 sft
		1	2	x	5.66	x	9.50 = 107.54 sft
	Outer Side	1	1	x	71.75	x	13.50 = 968.63 sft
	Shade	1	1	x	117.66	x	1.50 = 176.49 sft
	Toilets	1	1	x	14.67	x	11.00 = 161.37 sft
		1	2	x	6.33	x	11.00 = 139.26 sft
		1	2	x	5.33	x	11.00 = 117.26 sft
					Total A		4678.41 sft
	Deuction						
	D	1	x	2	x	3.50	x 7.00 = 49.00 sft
	D1	1	x	1	x	3.00	x 7.00 = 21.00 sft
	D2	1	x	2	x	2.50	x 7.00 = 35.00 sft
	W	1	x	5	x	4.00	x 4.00 = 80.00 sft
	v	1	x	2	x	1.50	x 1.50 = 4.50 sft
					Total B		189.50 sft
	Net Quantity(A---B)	4678.41		189.50	Total		4488.91 sft
2	Removing door with chowkat						
	SINO.4-32/a						
	Main Building	1	x	2	x	3.50	x 7.00 = 49.00 sft
	Toilet Block	1	x	1	x	3.00	x 7.00 = 21.00 sft
		1	x	2	x	2.50	x 7.00 = 35.00 sft
					Total		105.00 sft
3	Removing Windows with chowkat						
	SINO.4-32/b						
	w	1	x	4	x	4.00	x 4.00 = 64.00 sft
	v	1	x	1	x	1.50	x 1.50 = 2.25 sft
					Total		66.25 sft
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes						
	SINO.4-19/a						
	Office	1	x	1	x	16.25	x 12.50 = 203.13 sft
	Ward	1	x	1	x	16.12	x 1.50 = 24.18 sft
	First Aid	1	x	1	x	12.50	x 6.00 = 75.00 sft
	Porch	1	x	1	x	17.00	x 10.00 = 170.00 sft
	Toilets & Bath	1	x	2	x	5.00	x 4.00 = 40.00 sft
	Wash Area	1	x	1	x	4.33	x 5.66 = 24.51 sft
					Total		536.81 sft
5	Providing and laying 1:2:4 cement concrete floor using crushed aggrgate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and						

SINO.14-2/bii

Office	1	x	16.25	x	12.50		=	203.13	sft
Ward	1	x	16.00	x	12.00	x	=	192.00	cft
First Aid	1	x	12.50	x	6.00	x	=	75.00	cft
Toilets	2	x	5.00	x	4.00	x	=	40.00	cft
Wash Area	1	x	4.33	x	5.66	x	=	24.51	cft
Total								534.63	sft

- 6 Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard

SINO.28-40/cii

(3.5+3.5+7.5+7.5=25)	2	x	1.00	x		25.00	=	50.00	sft
(3.0+3.0+7.5+7.5=21)	1	x	1.00	x		21.00	=	21.00	sft
(2.5+2.5+7.5+7.5=25)	2	x	1.00	x		20.00	=	40.00	sft
Total								111.00	sft

- 7 Providing and laying super white 12"x12" marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.

SINO.14-9/b

Office	1	x	1	x	16.25	x	12.50	=	203.13	sft
Ward	1	x	1	x	16.00	x	12.00	=	192.00	sft
First Aid	1	x	1	x	12.50	x	6.00	=	75.00	sft
Porch	1	x	1	x	17.00	x	10.00	=	170.00	sft
					Total				640.13	sft

- 9 Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry of matching color, cleaning & curing.

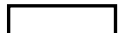
SINO.14-64/a

Toilets & Bath	2	x	2	x	5.00	x	7.00	=	140.00	sft
	4	x	2	x	4.00	x	7.00	=	224.00	sft
Wash Area	1	x	1	x	4.33	x	7.00	=	30.31	sft
	1	x	2	x	5.66	x	7.00	=	79.24	sft
Total									473.55	sft

- 10 Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing

SINO.14-25/a

Toilets & Bath Floor	1	x	2	x	5.00	x	4.00	=	40.00	sft
Wash Area	1	x	1	x	4.33	x	5.66	=	24.51	sft
Total									64.51	sft



**CONSTRUCTION OF BOUNDRY WALL 320 RFT FOR BHU DAMB ALI MOHD
DISTRICT AWARAN**

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m lift up to 1.5m									
	3-21/Aiii									
	BOUNDRY WALL	1	1	320.00	2.50	2.50	2000.00	CFT		
	GATE COLUMNS FOOTING	1	3	3.00	3.00	3.00	81.00	CFT		
						Total=	2081.00	CFT		
2	Providing and laying cement concrate 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
	BOUNDRY WALL	1	1	320.00	2.50	0.25	200.00	CFT		
	GATE COLUMNS FOOTING	1	3	4.00	4.00	0.25	12.00	CFT		
						Total=	212.00	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcment for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such									
	5-44/A									
	Steel in Foundation									
	1/2" dia bars in found:	1	4	320.00	0.667	0.4536	580.61	KG		
	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
	1/2" dia bars in Col. C1	29	4	12.50	0.667	0.4536	438.70	KG		
	3/8" dia ring @ 9"c/c	29	15	3.75	0.375	0.4536	277.48	KG		
	1/2" dia bars in Col. C2	3	6	12.50	0.667	0.4536	68.07	KG		
	3/8" dia ring @ 9"c/c	3	15	6.50	0.375	0.4536	49.75	KG		
	Steel in Plinth Band									
	1/2" dia bars in found:	1	4	320.00	0.667	0.4536	387.27	KG		
	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
						Total=	2198.63	KG		
	WEIGHT IN TON						2.199	KG		

4	Providing and laying cement concrete 1:2:4 (1 cement 2 sand 4 crush) using crushed size 19mm (3/4") and down gauge in foundation bed including levelling , form work , compacting , curing , and removal of form work.									
	5-8-c									
	BOUNDRY WALL	1	1	320.00	2.00	0.75	480.00	CFT		
	GATE COLUMNS FOOTING	3	1	8.00	8.00	1.50	288.00	CFT		
						Total=	768.00	CFT		
5	Providing and laying plain hand mixed cement concrete using sand approved source and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation and plinth including									
	S.I NO 5-4/a									
	BOUNDRY WALL	1	1	320.00	1.50	1.50	720.00	CFT		
	GATE COLUMNS FOOTING	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step									
	BOUNDRY WALL	1	1	320.00	1.125	0.75	270.00	CFT		
	GATE COLUMNS FOOTING	3	1	2.50	1.125	2.00	16.88	CFT		
				Total=		(A)	1030.50	CFT		
	1st Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.125	0.75	18.35	CFT		
	COLUMNS C2	3	1	2.50	1.125	1.00	8.44	CFT		
				Total=		(B)	99.35	CFT		
	Net QUANTITY					(A -- B)	931.15	CFT		
6	Providing and laying in Situ cement concrete 1 : 2 : 4 (1 cement 2 sand 4 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work									
	5-15/C									
	1st Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.13	1.00	24.47	CFT		
	COLUMNS C2	3	1	2.50	1.13	1.00	8.44	CFT		
						Total=	105.47	CFT		

7	Providing and laying 1:2:4 cement concrete using shingle or bajri 19mm and down gauge in plinth band, door band and roof band of required shape or section including formwork and its removal, compacting and curing in basement and ground floor but excluding the cost of reinforcement.									
	5-49/a									
	PLINTH BAND CONCRETE									
	BOUNDRY WALL	1	1	320.00	1.000	0.75	240.00	CFT		
	GATE COLUMNS FOOTING	3	1	1.50	1.50	0.75	5.06	CFT		
						Total=	245.06	CFT		
8	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) and down gauge in ground floor super-structure									
	S.I NO 9-7/Cii									
	Wall in super structure									
	BOUNDRY WALL	1	1	320.00	0.58	6.00	1113.60	CFT		
						Total=	1113.60	CFT		
						sub total A	1113.60	CFT		
	Ded: Columns C1	29	1	0.75	0.58	6.00	75.69	CFT		
						sub total B	75.69	CFT		
	NET QUANTITY					A-B	1037.91	CFT		

9	Providing and laying in Situ cement concrete 1:2:4 (1 cement 2 sand 3 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work								
5-15-c									
	S. STRUCTURE COLUMNS CONCRETE								
	COLUMNS C1	29	1	0.75	0.58	6.00	75.69	CFT	
	COLUMNS C2	3	1	1.50	1.50	6.00	40.50	CFT	
						Total=	116.19	CFT	
11	19mm (3/4") thick cement plaster 1:4 cement mortar ratio on wall and columns in basement plinth and ground floor including making edges corner and curing.								
15-4/iii									
	BOUNDRY WALL	1	2	320.00		7.00	4480.00	CFT	
					Total		4480.00	SFT	
12	Applying weather resistant paint coating such as ICI weather shield, Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10								
17-69-1									
	SAME QTY OF PLASTER								
						Total	4480.00	SFT	
13	Providing and fixing steel grated double leaf Gate with locking arrangement, and angle iron (2" x 2" x .375") for frame, middle strip 6.4 mm (.25) thick gusset plate 75 mm x 75 mm (3" x 3") at each edge and 19 mm (.75) M.S square or round bars 5/8" or 6/8" dia at 100 mm (4) center to center including two coats of red oxide paint as per the direction of Engineer Incharge.								
28-18-1									
	M. GATE	1	1	12.00	7.00		84.00	SFT	
	SIDE GATE	1	1	4.00	7.00		28.00	SFT	
					Total		112.00	SFT	
					4.3	112.00	487.20	SFT	
							487.20	SFT	
								TOTAL	

DETAILED ESITAMTE FOR THE BORE , LEVLLING TUFF TILE

S.NO	ITEM OF WORK	QTY:	REATE	UNIT	AMOUNT
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1 Mobilization of Drilling accessories to site of work (N.S.R).

Total: @ Rs 1.00 Job P.Job

2 Digging of pits for Boring Liquid (N.S.R).

Total: @ Rs 1.00 Job P.Job

3 Drilling of bore in all types of soil except shingle, gravel and rock. (SI.No 27-5/a-i-p/27-229).

Total: @ Rs 250.00 feet P.feet

4 Digging of bore exeeding 250ft depth below ground level (S.I.No 27-5bi/27-229).

Total: @ Rs 50.00 feet P.feet

5 Supply of PVC blind pipe of approved make registered with PSQCSA in tubewell bore hole (S.I.No 27-48/dvip/27-248).

Total: @ Rs 180.00 feet P.feet

6 Supply of PVC strainer in tubewell bore hole including sockets and solvent (NSR).

Total: @ Rs 120.00 feet P.feet

7 Installing uPVC blind pipe ILL, Dadex or equivalent make registered with PSQCA in tubewell bore hole and/or laying, cutting, jointing and testing uPVC pipe lines in trenches. (S.I.No 27-49/D-vi-p-27-251).

Total: @ Rs 300.00 feet P.feet

8	Providing and installing M.S bail plug of approved make registered with PSQCA. (S.I.No 27-12/ip/27-231).	Total: @ Rs 1.00 feet P.feet
9	shrouding and installing with graded pea gravel 3/8 to 1/8"(10mm to 3mm) around tubewell bore hole. (S.I.No 27-21/p 27-234).	Total: @ Rs 367.00 Cft P.Cft
10	Logging tubewell Bore I/C lithology og bore strata chart (NSR).	Total: @ Rs 1.00 job P.job
11	Development / Testng of Tube well by compressor mechine (S.I.No 27-20-ap/27-234).	Total: @ Rs 1.00 job P.job
12	Levelling and dressing the ground by cutting and filling earth upto 150mm in depth including consolidating and watering. (SI.NO.3-53)	Total = 80000.0 Sqm @ Rs Sqm

Supply and Fixing of Concrete pavers on 3" thick sand cushion of different designs having thickness of 60 mm, mechanically compressed, minimum strenght of 6000 psi after laboratory testing at factory and random testiing at site as and when desired by the Engineer incharge comple in all respects.
a) 60 mm thick, tuff tiles Natural gray
(SI.NO. 21-91)

Total	=	3000.0	Sft
@ Rs			Sft
Total		Rs:-	
G:Total		Rs:	

CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with excecavted earth watering and ramming lead up to 30 m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
						Total=	405.00	CFT		
2	Providing and laying cement concrate 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	BOTOM SLAM	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		
						Total=	60.75	CFT		

5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls									
	S.I NO 5-22/B									
		1	1	33.50	0.75	7.00	175.88	CFT		
						Total	175.88	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/a/iii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
						Total	268.00	Sft		

9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
						Total	33.50	Rft		
11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.									
	28-7/1									
		1	1	2.00		2.00	4.00	Sft		
						Total	4.00	Sft		
TOTAL										

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting bending, binding wastage and providing such overlap as are not shown on the drawings, the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		
5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.									
	S.I NO 9-2/ciii									

		1	2	7.57	0.66	7.00	69.95	CFT		
		1	2	13.50	0.66	7.00	124.74	CFT		
		1	2	6.00	0.66	7.00	55.44	CFT		
						Total	250.13	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	13.50	7.66	0.75	77.56	CFT		
							77.56	CFT		
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.									
	15-4/iii									
		1	1	2.00	21.32	6.00	255.84	Sft		
		1	1	4.00	7.66	6.00	183.84	Sft		
					Total		439.68	Sft		
9	Providing and fixing step iron or foot rest in manhole chambersincluding setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	1.00	1.00	each		
						Total	1.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	13-16/a									
		1	1	1.00		2.00	2.00	No		
					Total		2.00	No		
TOTAL										

AWARAN
GENERAL ABSTRACT

<i>S NO.</i>	<i>DESCRIPTION OF WORK</i>	<i>AMOUNT</i>
1	CONSTRUCTION OF BOUNDARY WALL 320 RFT	
2	CONSTRUCTION OF UNDER GROUND WATER TANK	
3	WATER BORE	
4	CONSTRUCTION OF SEPTIC TANK	

Total Rs. 6673253/-

Say Rs. 6.673 Million

**CONSTRUCTION OF BOUNDRY WALL 320 RFT FOR BHU DHULL BEEDI
DISTRICT AWARAN**

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m lift up to 1.5m									
	3-21/Aiii									
	BOUNDRY WALL	1	1	320.00	2.50	2.50	2000.00	CFT		
	GATE COLUMNS FOOTING	1	3	3.00	3.00	3.00	81.00	CFT		
						Total=	2081.00	CFT		
2	Providing and laying cement concrate 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
	BOUNDRY WALL	1	1	320.00	2.50	0.25	200.00	CFT		
	GATE COLUMNS FOOTING	1	3	4.00	4.00	0.25	12.00	CFT		
						Total=	212.00	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcment for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such									
	5-44/A									
	Steel in Foundation									
	1/2" dia bars in found:	1	4	320.00	0.667	0.4536	580.61	KG		
	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
	1/2" dia bars in Col. C1	29	4	12.50	0.667	0.4536	438.70	KG		
	3/8" dia ring @ 9"c/c	29	15	3.75	0.375	0.4536	277.48	KG		
	1/2" dia bars in Col. C2	3	6	12.50	0.667	0.4536	68.07	KG		
	3/8" dia ring @ 9"c/c	3	15	6.50	0.375	0.4536	49.75	KG		
	Steel in Plinth Band									
	1/2" dia bars in found:	1	4	320.00	0.667	0.4536	387.27	KG		

	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
						Total=	2198.63	KG		
	WEIGHT IN TON						2.199	KG		
4	Providing and laying cement concrete 1:2:4 (1 cement 2 sand 4 crush) using crushed size 19mm (3/4") and down gauge in foundation bed including levelling , form work , compacting , curing , and removal of form work.									
	5-8-c									
	BOUNDRY WALL	1	1	320.00	2.00	0.75	480.00	CFT		
	GATE COLUMNS FOOTING	3	1	8.00	8.00	1.50	288.00	CFT		
						Total=	768.00	CFT		
5	Providing and laying plain hand mixed cement concrete using sand approved source and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation and plinth including									
	S.I NO 5-4/a									
	BOUNDRY WALL	1	1	320.00	1.50	1.50	720.00	CFT		
	GATE COLUMNS FOOTING	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step									
	BOUNDRY WALL	1	1	320.00	1.125	0.75	270.00	CFT		
	GATE COLUMNS FOOTING	3	1	2.50	1.125	2.00	16.88	CFT		
				Total=		(A)	1030.50	CFT		
	1st Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.125	0.75	18.35	CFT		
	COLUMNS C2	3	1	2.50	1.125	1.00	8.44	CFT		
				Total=		(B)	99.35	CFT		
	Net QUANTITY					(A -- B)	931.15	CFT		
6	Providing and laying in Situ cement concrete 1 : 2 : 4 (1 cement 2 sand 4 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work									
	5-15/C									
	1st Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		

	2nd Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.13	1.00	24.47	CFT		
	COLUMNS C2	3	1	2.50	1.13	1.00	8.44	CFT		
						Total=	105.47	CFT		
7	Providing and laying 1:2:4 cement concrete using shingle or bajri 19mm and down gauge in plinth band, door band and roof band of required shape or section including formwork and its removal, compacting and curing in basement and ground floor but excluding the cost of reinforcement.									
	5-49/a									
	PLINTH BAND CONCRETE									
	BOUNDRY WALL	1	1	320.00	1.000	0.75	240.00	CFT		
	GATE COLUMNS FOOTING	3	1	1.50	1.50	0.75	5.06	CFT		
						Total=	245.06	CFT		
8	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) and down gauge in ground floor super-structure									
	S.I NO 9-7/Cii									
	Wall in super structure									
	BOUNDRY WALL	1	1	320.00	0.58	6.00	1113.60	CFT		
						Total=	1113.60	CFT		
						sub total A	1113.60	CFT		
	Ded: Columns C1	29	1	0.75	0.58	6.00	75.69	CFT		
						sub total B	75.69	CFT		
	NET QUANTITY					A-B	1037.91	CFT		
9	Providing and laying in Situ cement concrete 1:2:4 (1 cement 2 sand 3 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work									
	5-15-c									
	S. STRUCTURE COLUMNS CONCRETE									
	COLUMNS C1	29	1	0.75	0.58	6.00	75.69	CFT		
	COLUMNS C2	3	1	1.50	1.50	6.00	40.50	CFT		
						Total=	116.19	CFT		

11	19mm (3/4") thick cement plaster 1:4 cement mortar ratio on wall and columns in basement plinth and ground floor including making edges corner and curing.								
	15-4/iii								
	BOUNDRY WALL	1	2	320.00	7.00	4480.00	CFT		
					Total	4480.00	SFT		
12	Applying weather resistant paint coating such as ICI weather shield, Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10								
	17-69-1								
	SAME QTY OF PLASTER								
					Total	4480.00	SFT		
13	Providing and fixing steel grated double leaf Gate with locking arrangement, and angle iron (2" x 2" x .375") for frame, middle strip 6.4 mm (.25) thick gusset plate 75 mm x 75 mm (3" x 3") at each edge and 19 mm (.75) M.S square or round bars 5/8" or 6/8" dia at 100 mm (4) center to center including two coats of red oxide paint as per the direction of Engineer Incharge.								
	28-18-1								
	M. GATE	1	1	12.00	7.00	84.00	SFT		
	SIDE GATE	1	1	4.00	7.00	28.00	SFT		
					Total	112.00	SFT		
					4.3	112.00	487.20	SFT	
						487.20	SFT		
TOTAL									

DETAILED ESITAMTE FOR THE BORE , LEVLLING TUFF TILE

S.NO	ITEM OF WORK	QTY:	REATE	UNIT	AMOUNT
1	Mobilization of Drilling accessories to site of work (N.S.R).				
		Total:	@	Rs	1.00 Job P.Job
2	Digging of pits for Boring Liquid (N.S.R).				
		Total:	@	Rs	1.00 Job P.Job
3	Drilling of bore in all types of soil except shingle, gravel and rock. (SI.No 27-5/a-i-p/27-229).				
		Total:	@	Rs	250.00 feet P.feet
4	Digging of bore exeeding 250ft depth below ground level (S.I.No 27-5bi/27-229).				
		Total:	@	Rs	50.00 feet P.feet
5	Supply of PVC blind pipe of approved make registered with PSQCSA in tubewell bore hole (S.I.No 27-48/dvip/27-248).				
		Total:	@	Rs	180.00 feet P.feet
6	Supply of PVC strainer in tubewell bore hole including sockets and solvent (NSR).				
		Total:	@	Rs	120.00 feet P.feet
7	Installing uPVC blind pipe ILL, Dadex or equivalent make registered with PSQCA in tubewell bore hole and/or laying, cutting, jointing and testing uPVC pipe lines in trenches. (S.I.No 27-49/D-vi-p-27-251).				
		Total:	@	Rs	300.00 feet P.feet

8	Providing and installing M.S bail plug of approved make registered with PSQCA. (S.I.No 27-12/ip/27-231).	Total: @ Rs 1.00 feet P.feet
9	shrouding and installing with graded pea gravel 3/8 to 1/8"(10mm to 3mm) around tubewell bore hole. (S.I.No 27-21/p 27-234).	Total: @ Rs 367.00 Cft P.Cft
10	Logging tubewell Bore I/C lithology og bore strata chart (NSR).	Total: @ Rs 1.00 job P.job
11	Development / Testng of Tube well by compressor mechine (S.I.No 27-20-ap/27-234).	Total: @ Rs 1.00 job P.job
12	Levelling and dressing the ground by cutting and filling earth upto 150mm in depth including consolidating and watering. (SI.NO.3-53)	Total = 80000.0 Sqm @ Rs Sqm

Supply and Fixing of Concrete pavers on 3" thick sand cushion of different designs having thickness of 60 mm, mechanically compressed, minimum strength of 6000 psi after laboratory testing at factory and random testing at site as and when desired by the Engineer in charge complete in all respects.

a) 60 mm thick, tuff tiles Natural gray
(SI.NO. 21-91)

Total = 3000.0 Sft
@ Rs Sft

Total Rs:-

CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION N	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
						Total=	405.00	CFT		
2	Providing and laying cement concrate 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcment for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	BOTOM SLAM	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		
						Total=	60.75	CFT		

5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls									
	S.I NO 5-22/B									
		1	1	33.50	0.75	7.00	175.88	CFT		
						Total	175.88	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/aiii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
						Total	268.00	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		

10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
					Total		33.50	Rft		
11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.									
	28-7/1									
		1	1	2.00		2.00	4.00	Sft		
					Total		4.00	Sft		
TOTAL										

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting bending, binding wastage and providing such overlap as are not shown on the drawings, the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		
5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.									
	S.I NO 9-2/ciii									

		1	2	7.57	0.66	7.00	69.95	CFT		
		1	2	13.50	0.66	7.00	124.74	CFT		
		1	2	6.00	0.66	7.00	55.44	CFT		
						Total	250.13	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	13.50	7.66	0.75	77.56	CFT		
							77.56	CFT		
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.									
	15-4/iii									
		1	1	2.00	21.32	6.00	255.84	Sft		
		1	1	4.00	7.66	6.00	183.84	Sft		
					Total		439.68	Sft		
9	Providing and fixing step iron or foot rest in manhole chambersincluding setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	1.00	1.00	each		
						Total	1.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	13-16/a									
		1	1	1.00		2.00	2.00	No		
					Total		2.00	No		
TOTAL										

AWARAN
GENERAL ABSTRACT

<i>S NO.</i>	<i>DESCRIPTION OF WORK</i>	<i>AMOUNT</i>
1	BHU GARAI JHAOO	
	CONSTRUCTION OF 2 ADDITIONAL ROOMS	
	2 NOS 0.00	
2	CONSTRUCTION OF BOUNDARY WALL 250 RFT	
3	CONSTRUCTION OF UNDER GROUND WATER TANK	
4	WATER BORE	
5	CONSTRUCTION OF SEPTIC TANK	

Total Rs. 14677922/-

Say Rs. 14.678 Million

REPAIR AND RENOVATION OF BHU GARAI JAHOO DISTRICT AWARAN.

S.N	Description	No	L	B/H	Otv	Rate	Amounte
1	Scraping rubbing and cleaning of emulsion finish snowcem from wall and ceiling including removal of rubbish in all floors.						
	(S.I No: 4-56)						
	CEILLING						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 sft
	First Aid	1	x	12.50	x	6.00	= 75.00 sft
	Porch	1	x	17.00	x	10.00	= 170.00 sft
	Toilet	2	x	5.00	x	4.00	= 40.00 sft
		1	x	4.33	x	5.67	= 24.55 sft
	Walls						
	Office	1	2	x	16.25	x	11.50 = 373.75 sft
		1	2	x	12.50	x	11.50 = 287.50 sft
	Ward	1	2	x	16.00	x	11.50 = 368.00 sft
		1	2	x	12.00	x	11.50 = 276.00 sft
	First Aid	1	2	x	12.50	x	11.50 = 287.50 sft
		1	2	x	6.00	x	11.50 = 138.00 sft
	Porch	1	1	x	17.00	x	8.50 = 144.50 sft
	Porch	1	1	x	10.00	x	8.50 = 85.00 sft
	Beam	1	1	x	17.00	x	3.00 = 51.00 sft
		1	1	x	10.00	x	3.00 = 30.00 sft
	Columns	1	2	x	3.32	x	7.50 = 49.80 sft
	Toilets	1	2	x	5.00	x	9.50 = 95.00 sft
		1	2	x	4.00	x	9.50 = 76.00 sft
		1	1	x	4.33	x	9.50 = 41.14 sft
		1	2	x	5.66	x	9.50 = 107.54 sft
	Outer Side	1	1	x	71.75	x	13.50 = 968.63 sft
	Shade	1	1	x	117.66	x	1.50 = 176.49 sft
	Toilets	1	1	x	14.67	x	11.00 = 161.37 sft
		1	2	x	6.33	x	11.00 = 139.26 sft
		1	2	x	5.33	x	11.00 = 117.26 sft
					Total A		4678.41 sft
	Deuction						
	D	1	x	2	x	3.50	x 7.00 = 49.00 sft
	D1	1	x	1	x	3.00	x 7.00 = 21.00 sft
	D2	1	x	2	x	2.50	x 7.00 = 35.00 sft
	W	1	x	5	x	4.00	x 4.00 = 80.00 sft
	v	1	x	2	x	1.50	x 1.50 = 4.50 sft
					Total B		189.50 sft
	Net Quantity(A---B)		4678.41		189.50	Total	4488.91 sft
2	Removing door with chowkat						
	SINO.4-32/a						
	Main Building	1	x	2	x	3.50	x 7.00 = 49.00 sft
	Toilet Block	1	x	1	x	3.00	x 7.00 = 21.00 sft
		1	x	2	x	2.50	x 7.00 = 35.00 sft
					Total		105.00 sft
3	Removing Windows with chowkat						
	SINO.4-32/b						
	w	1	x	4	x	4.00	x 4.00 = 64.00 sft
	v	1	x	1	x	1.50	x 1.50 = 2.25 sft

Total	66.25	sft
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4 Dismantling plain cement concrete 1 : 2 : 4 & richer mixes

SINO.4-19/a

Office	1	x	1	x	16.25	x	12.50	=	203.13	sft
Ward	1	x	1	x	16.12	x	1.50	=	24.18	sft
First Aid	1	x	1	x	12.50	x	6.00	=	75.00	sft
Porch	1	x	1	x	17.00	x	10.00	=	170.00	sft
Toilets & Bath	1	x	2	x	5.00	x	4.00	=	40.00	sft
Wash Area	1	x	1	x	4.33	x	5.66	=	24.51	sft

Total	536.81	sft
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5 Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.

SINO.14-2/bii

Office	1	x	16.25	x	12.50		=	203.13	sft
Ward	1	x	16.00	x	12.00	x	=	192.00	cft
First Aid	1	x	12.50	x	6.00	x	=	75.00	cft
Toilets	2	x	5.00	x	4.00	x	=	40.00	cft
Wash Area	1	x	4.33	x	5.66	x	=	24.51	cft

Total	534.63	sft
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6 Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard conforming to B.S.S.1245,

SINO.28-40/cii

(3.5+3.5+7.5+7.5=25)	2	x	1.00	x		25.00	=	50.00	sft
(3.0+3.0+7.5+7.5=21)	1	x	1.00	x		21.00	=	21.00	sft
(2.5+2.5+7.5+7.5=25)	2	x	1.00	x		20.00	=	40.00	sft

Total	111.00	sft
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- 7 providing and laying
super white 12"x12"
marble tiles floor fine
dressed
on surface without
winding in ground
floor and laid over 1"
(25mm) thick
cement sand mortar
1:2 setting tiles with
portland cement
slurry over
cement mortar,
jointing and washing
the tiles with white
cement slurry
including curing,
rubbing and
polishing including
the cost of cement
mortar.

SINO.14-9/b

Office	1	x	1	x	16.25	x	12.50	=	203.13	sft
Ward	1	x	1	x	16.00	x	12.00	=	192.00	sft
First Aid	1	x	1	x	12.50	x	6.00	=	75.00	sft
Porch	1	x	1	x	17.00	x	10.00	=	170.00	sft

Total									640.13	sft
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- 9 Providing and fixing
1/4" to 3/8" (6mm to
9mm) thick Ceramic
Glazed/Matt tiles
(Prime Quality) of
any colour and size,
as directed by
Engineer-in-Charge
in dado/skirting in
ground floor over
1/2" (13mm)
thick base of cement
mortar 1:3, setting of
tiles in slurry of grey
cement
over mortar base
including filling the
joints and washing
the tiles with
white cement slurry
of matching color,
cleaning & curing.

SINO.14-64/a

Toilets & Bath	2	x	2	x	5.00	x	7.00	=	140.00	sft
	4	x	2	x	4.00	x	7.00	=	224.00	sft
Wash Area	1	x	1	x	4.33	x	7.00	=	30.31	sft
	1	x	2	x	5.66	x	7.00	=	79.24	sft

Total									473.55	sft
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- 10 Providing and laying
1/4" to 3/8" (6mm to
9mm) thick Glazed/
Matt tiles of
any colour and size
in ground floor laid
over 1" (25mm) thick
cement
sand mortar base
including jointing
and washing the tiles
with white
cement slurry of
matching color by
using color pigment
and curing

SINO.14-25/a

Toilets & Bath Floor	1	x	2	x	5.00	x	4.00	=	40.00	sft
Wash Area	1	x	1	x	4.33	x	5.66	=	24.51	sft

Total	64.51	sft
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- 11 providing and laying
Roof Screeding 2"
thick using 3/4
(19mm) including
form work
consolidating
finishing and
curing.

SINO.14-68/b

Main Building	1	x	33.33	x	27.00	899.91	sft
Toilet Block	1	x	17.66	x	9.33	164.7678	sft

- 12 providing on old
surface of wall with
Berger concrete
surfacing including
cleaning and ICI or
equivalent on
plastered rendered
surface and preparing the
surface.

Total	1064.6778	sft
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SINO.17-33/b

Same Quantity of item no.1	4488.91	sft
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Total	4488.9061	sft
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- 13 painting on old
surface on wood
work with Berger /ICI
or equivalent super
gloss synthetic

SINO.17-31

D	2	x	2	x	3.50	x	7.00	=	98.00	sft
D1	2	x	1	x	3.00	x	7.00	=	42.00	sft
D2	2	x	2	x	2.50	x	7.00	=	70.00	sft

Total	210.00	sft
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- 14 Providing and fixing
fully glazed single
leaf hung/sliding
aluminium
windows, ventilators
(Deluxe model -
1.6mm) of anodized
champagne
or approved color of
Prime, Chawala,
Pakistan Cable or
SINO.28-24/1

Windows	5	x	4.00	x	4.00	=	80.00	sft
Total							80.00	sft

- 15 providing and fixing iron grills as approved junction including with sunk iron screw design including weilding of all side at painting with two coat of red oxide.

SINO.28-27-1

Windows	5	x	5.00	x	5.00	=	125.00	sft
							125.00	sft
Conversion in Kg	125	x	3.5	Total				
							437.50	Kg

- 16 providing and fixing GI wire guaze 22 guage(1.15 mm) and 144 mesh per sq .inch with first class deodar beading with one sq inch as approved design.

SINO.16-40-A

Windows	5	x	5.00	x	5.00	=	125.00	sft
Total							125.00	sft

- 17 providing and fixing first class deodar wood deodar wood shutter fully panelled with same wood and fixed with approved brass hinges and tower bolts

SINO.16-7/A

Doors	2	x	3.50	x	7.00	=	49.00	sft
Doors	1	x	3.00	x	7.00	=	21.00	sft
Doors	2	x	2.50	x	7.00	=	35.00	sft
Total							105.00	sft

SANITARY FITTING AND WATER SUPPLY

- 18 Providing and fixing export quality glazed earthen ware wash basin manufactured by ICL Boch/Karam Cera or equivalent approved make with single hole chromium plated mixer tap 1/2" (15mm), pillar tap delux, stop cocks, C.I. or W.I. brackets 6" (150mm) built into walls 1.5" (40mm) C.P. brass waste with malleable iron or C.P. brass trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material

SINO.23-5

1 x

1

=

1

Nos

Total	1	Nos
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- 19 providing fixing stainless steel sink Pakistan made with C.I. or W.I brackets 6" built in wall, 1.5" (40 mm) rubber plug, C.P. brass chain, C.P. brass waste, pillar tap 2 way delux, 1.5" dia malleable iron or C.P. brass trap and unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material

SINO.23-8/a

1 x

1

=

1

Nos

1

Nos

- 20 providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with screw.

SINO.23-15-1

Baths

1 x

1

x

1

1

Total

1

sft

- 21 Providing and fixing

	squatting type water closet with integral								
	SINO.23-2/a	1	x	2	=	2	Nos		
				Total		2	Nos		
22	providing and fixing approved make plastic accessories.								
	SINO.23-30								
	Soap Dish	1	x	2	=	2	Nos		
				Total		2	Nos		
23	Toilet paper Holder								
		1	x	2	=	2	Nos		
				Total		2	Nos		
24	Towel Rod								
	SINO.23-30	1	x	3	=	3	Nos		
				Total		3	Nos		
25	providing and fixing approved quality bib								
	SINO.23-34/B								
		1	x	2	=	2	Nos		
				Total		2	Nos		
26	providing laying cutting jointing and disinfecting G.I Pipe lill make or equavilient.								
	SINO.23-52/Aii	1	x	210	=	210	Rft		
				Total		210	Rft		

INTERNAL ELECTRIFICATION

27	Light circuit concealed/open wiring with length upto 75 ft. (25m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent								
	SINO.30-1	1	x	6	=	6	point		
				Total		6	point		
28	Wiring of 5 Amps. socket outlet with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.								
	SINO.30-9	2	x	12	=	24	Rm		
				Total		24	Rm		

29	supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories.								
	SINO.30-87	1	x	4	=	4	point		
				Total		4	point		
30	fixing fan to ceiling SINO.30-89/B	1	x	4	=	4	point		
				Total		4	point		
31	supply and installation 20" (500 mm) sweep revolving bracket fan with guard								
	SINO.30-114	1	x	2	Total	=	2	point	
						2	point		
32	Supply and install 10" (250 mm) sweep exhaust fan including plastic	1	x	2		2			
	SINO.30-113			Total	=	2	point		
33	Supply and install Energy Saver electric bulbs25W Philips energy save	1	x	15		15			
	SINO.30-117/C			Total	=	15	point		
34	Providing and fixing LDPE overhead tank manufactured by Dura or	1	x	1		1			
	SINO.27-44			Total	=	1	Nos		
35	Supply and install Electric motors with								
36	pump including all accessories.	1	x	1		1			
	SINO.30-118/a			Total	=	1	point		
37	Supply and install 35 gallons electric geyser	1	x	1		1			
	SINO.30-123/a			Total	=	1	point		
38	R.C.C pipe with bell & spigot or tongued & grooved joint conforming to ASTM C-76 class II wall B								
	SINO.25-1/bi	1	x	50		50			
				Total	=	50	Rft		
39	Providing manhole								

type 'A' size 24" x 18" (inside dimensions) as per approved design and SINO.25-4/a

1 x

3

3

Total	=	3	Rft
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40 Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes
SINO.27-46/av

1 x

100

100

Total	=	100	Rft
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DETAIL ESTIMATE

FOR

CONSTRUCTION OF Additional Room WITH ATTACHED BATH

S.No	Description	No	L	B	D/H	Quantity	Amount
1	Excavation in foundation for all building bridges and other structures I/C dug belling around the structure in shingle gravel earth. (3-21/a)						
	class room L/W	1 x 3	21.75	3.00	3.00	= 587.25Cft	
	class room S/W	1 x 2	17.75	3.00	3.00	= 319.50Cft	
	ver S/W	1 x 2	5.75	3.00	3.00	= 103.50Cft	
						Total = 1010.25Cft	
						P Cft	Rs
2	Providing and laying 1:4:8 cement concrete using crushed stone 3/4" and downgage in foundation i/c compacting. (5-4/b)						
	class room L/W	1 x 3	21.75	3.00	0.25	= 48.94Cft	
	class room S/W	1 x 2	17.75	3.00	0.25	= 26.63Cft	
	ver S/W	1 x 2	5.75	3.00	0.25	= 8.63Cft	
						Total = 84.19Cft	
						P Cft	Rs
3	Providing and fixing abrication of steel reinforcement for all kind of RCC work in foundation plinth and G.Floor I/C cutting,bending,binding and the cost of binding wire using tore steel. (5-65/a)						
	1/2" dia in L/W	4 x 3	21.75	0.667	-	= 174.09Lbs	
	S/W	4 x 2	23.75	0.667	-	= 126.73Lbs	
	S/W	4 x 2	11.75	0.667	-	= 62.70Lbs	
	3/8" dia in Ring	121 x	7.84	0.375	-	= 355.74Lbs	
	5/8" dia in Column	4 x 6	20.00	1.042	-	= 500.16Lbs	
	3/8" dia in Ring	6 x 19	2.84	0.375	-	= 119.28Lbs	
						Total = 1338.70Lbs	
				1338.70÷	2240	= 0.60Tons	
						P ton	Rs
4	Providing and laying 1:2:4 cement concrete using crushed stone 3/4" and downgauge in foundation i/c compacting. (5-5/a)						
	L/W	1 x 3	21.75	3.00	1.00	= 195.75Cft	
	S/W	1 x 2	17.75	3.00	1.00	= 106.50Cft	
	S/W	1 x 2	5.75	3.00	1.00	= 34.50Cft	
						Total = 336.75Cft	
						P Cft	Rs
5	Providing and laying 1st class b b masonary in foundation. (9-7/cii))						
	L/W 1st step	1 x 3	20.75	2.00	0.75	= 93.38Cft	
	2nd step	1 x 3	20.25	1.50	0.75	= 68.34Cft	
	3rd step	1 x 3	19.88	1.125	2.00	= 134.16Cft	
	S/W 1st step	1 x 2	18.75	2.00	0.75	= 56.25Cft	
	2nd step	1 x 2	19.25	1.50	0.75	= 43.31Cft	

S/W	3rd step	1 x 2 x	19.63 x	1.13 x	2.00 =	88.31Cft
	1st step	1 x 2 x	6.75 x	2.00 x	0.75 =	20.25Cft
	2nd step	1 x 2 x	7.25 x	1.50 x	0.75 =	16.31Cft
	3rd step	1 x 2 x	7.63 x	1.13 x	2.00 =	34.31Cft
Total A =						554.63Cft
D/D column	1st step	1 x 9 x	2.00 x	2.00 x	0.75 =	27.00Cft
	2nd step	1 x 9 x	1.50 x	1.50 x	0.75 =	15.19Cft

3rd step	1 x 9 x	1.13 x	1.13 x	2.00 =	22.78Cft
Total B =					64.97Cft
Net Qty A-B					554.63-
					64.97 =
					489.66Cft
					P Cft Rs

- 6 Providing and laying 1:2:4 cement concrete using crushwed stone 3/4" and downgauge in column i/c formwork and curring.

(5-15/c)

column	1st step	1 x 9 x	2.00 x	2.00 x	0.75 =	27.00Cft
	2nd step	1 x 9 x	1.50 x	1.50 x	0.75 =	15.19Cft
	3rd step	1 x 9 x	1.13 x	1.13 x	2.00 =	22.78Cft
S/S column		1 x 4 x	0.75 x	0.75 x	9.75 =	21.94Cft
S/S column		1 x 2 x	1.00 x	0.75 x	9.75 =	14.63Cft
S/S column		1 x 3 x	1.00 x	0.75 x	10.00 =	22.50Cft
Total =						124.03Cft
						P Cft Rs

- 7 Providing and fixing steel reinforcement for all kind of RCC work I/C cutting bending binding and the cost of binding wire.

(5-65/a)

1/2" dia in P/Band L/W	3 x 4 x	19.88 x	0.667	- =	159.08Lbs
S/W	2 x 4 x	21.88 x	0.667	- =	116.73Lbs
S/W	2 x 4 x	9.88 x	0.667	- =	52.69Lbs
3/8" dia ring	121 x	3.59 x	0.375	- =	162.90Lbs
Total =					491.39Lbs
491.39÷					2240 =
					0.22Tons
					P ton Rs

- 8 Providing and laying 1:2:4 cement concrete using crushed stone 3/4" and downgauge in Plinth band I/C formwork and curring etc.

(5-49/a)

L/W	1 x 3 x	19.88 x	1.125 x	0.75 =	50.31Cft
S/W	1 x 2 x	19.63 x	1.125 x	0.75 =	33.12Cft
S/W	1 x 2 x	7.63 x	1.125 x	0.75 =	12.87Cft
Total =					96.29Cft
					P Cft Rs

- 9 Providing and laying reinforced 1st class brick massonary S/S in quetta bond in any kind of wall of any thickness C.C in cavity.

(9-7/cii)

ROOM	L/W	1 x 2 x	19.50 x	0.75 x	9.75 =	285.19Cft
	S/W	1 x 2 x	20.000 x	0.75 x	9.75 =	292.50Cft
BATH	L/W	1 x 2 x	8.00 x	0.75 x	9.75 =	117.00Cft
	S/W	1 x 1 x	5.000 x	0.75 x	9.75 =	36.56Cft
Total A =						731.25Cft
D/D column		1 x 4 x	0.75 x	0.75 x	9.75 =	21.94Cft
D/D column		1 x 2 x	1.00 x	0.75 x	9.75 =	14.63Cft
Door		1 x 1 x	4.00 x	0.75 x	7.00 =	21.00Cft

Door	1 x	1 x	2.50	x	0.75	x	7.00	=	13.13Cft
W	1 x	1 x	6.00	x	0.75	x	4.00	=	18.00Cft
v	1 x	4 x	6.00	x	0.75	x	2.00	=	36.00Cft
v	1 x	1 x	4.00	x	0.75	x	2.00	=	6.00Cft
v	1 x	1 x	2.00	x	0.75	x	2.00	=	3.00Cft
								=	133.69Cft
			Net Qty A-B		731.25-		133.69	=	597.56Cft
									P Cft Rs

- 11 Providing and fixing steel reinforcement for all kind of RCC work I/C cutting bending binding and the cost of binding wire.

(5-65/a)

1/2" dia in D.Band L/W	4 x	2 x	19.500	x	0.667	-	=	104.05Lbs
S/W	4 x	2 x	21.500	x	0.667	-	=	114.72Lbs
3/8" dia in Ring	101	x	3.59	x	0.375	-	=	135.97Lbs
						Total =		354.75Lbs
					354.75 ÷	2240 =		0.16Tons
								P ton Rs

- 12 Providing and laying 1:2:4 cement concrete using crushed stone 3/4" and downgauge in door band including formwork and curring etc.

(5-49/b)

D/Band	L/W	1 x	2 x	19.50	x	0.75	x	0.75	=	21.94Cft
	S/W	1 x	2 x	20.00	x	0.75	x	0.75	=	22.50Cft
						Total =				44.44Cft
										P Cft Rs

- 13 Providing and fixing steel reinforcement for all kind of RCC work I/C cutting bending binding and the cost of binding wire.

(5-65/a)

1/2" dia in R.Band L/W	2 x	4 x	19.500	x	0.667	-	=	104.05Lbs
S/W	2 x	4 x	21.500	x	0.667	-	=	114.72Lbs
3/8" dia in Ring	121	x	3.17	x	0.375	-	=	143.84Lbs
5/8" dia in ver beam	1 x	6 x	20.500	x	0.667	-	=	82.04Lbs
5/8" dia in ver beam	2 x	2 x	13.250	x	0.667	-	=	35.35Lbs
5/8" dia in ver side beam	2 x	6 x	9.500	x	0.667	-	=	76.04Lbs
5/8" dia in ver side beam	2 x	2 x	11.000	x	0.667	-	=	29.35Lbs
3/8" dia in Ring	47	x	3.59	x	0.375	-	=	63.27Lbs
						Total =		648.67Lbs
					648.67 ÷	2240 =		0.29Tons
								P ton Rs

- 14 Providing and laying 1:2:4 cement concrete using crushed stone 3/4" and downgauge in Roof band including formwork and curring etc.

(5-49/c)

R/Band	L/W	1 x	2 x	19.50	x	0.75	x	0.50	=	14.63Cft
	S/W	1 x	2 x	20.00	x	0.75	x	0.50	=	15.00Cft
						Total =				29.63Cft
										P Cft Rs

- 20 Providing and laying 1:2:4 cement concrete using crushed stone 3/4" and downgauge in beam including formwork and curring etc.

(5-16/a)

	1 x	1 x	18.00	x	1.00	x	1.50	=	27.00Cft
	1 x	1 x	19.50	x	0.75	x	0.75	=	10.97Cft
	1 x	2 x	8.00	x	0.75	x	0.75	=	9.00Cft

Total =	46.97Cft
P Cft	Rs

- 15 Providing and fixing steel reinforcement for all kind of RCC work I/C cutting bending binding and the cost of binding wire.

(5-65/a)

1/2" dia in classroom M.B	2 x 36 x 11.25 x 0.667	- =	540.27Lbs
1/2" dia in classroom D.B	2 x 19 x 19.50 x 0.667	- =	494.25Lbs
Extra	2 x 34 x 5.12 x 0.667	- =	232.22Lbs
	1 x 34 x 5.75 x 0.667	- =	130.40Lbs
	2 x 19 x 7.38 x 0.667	- =	186.93Lbs
	2 x 19 x 7.25 x 0.667	- =	183.76Lbs
Binder	4 x 3 x 18.00 x 0.667	- =	144.07Lbs
	4 x 6 x 9.50 x 0.667	- =	152.08Lbs
Chair	2 x 35 x 2.25 x 0.667	- =	105.05Lbs
1/2" dia in ver M.B	1 x 36 x 9.75 x 0.667	- =	234.12Lbs
1/2" dia in ver D.B	1 x 16 x 19.50 x 0.667	- =	208.10Lbs
Extra	2 x 16 x 7.25 x 0.667	- =	154.74Lbs
	1 x 36 x 4.75 x 0.667	- =	114.06Lbs
Binder	2 x 3 x 18.00 x 0.667	- =	72.04Lbs
	2 x 6 x 8.00 x 0.667	- =	64.03Lbs
Chair	30 x 2.25 x 0.375	- =	25.31Lbs
1/2" dia in pro	2 x 4 x 34.25 x 0.667	- =	182.76Lbs
	2 x 4 x 19.50 x 0.667	- =	104.05Lbs
	4 x 3 x 6.00 x 0.667	- =	48.02Lbs
1/2" dia Window projection	2 x 13 x 2.75 x 0.667	- =	47.69Lbs
	2 x 3 x 7.00 x 0.667	- =	28.01Lbs
	Total =		3451.96Lbs
	3451.96 ÷	2240 =	1.54Tons
	P ton		Rs

- 16 Providing and laying 1:2:4 cement concrete using crushed stone 3/4" and downgauge in slab including formwork and curring etc.

(5-17/ai)

Room	1 x 1 x 19.50 x 30.50 x 0.50	=	297.38Cft
	Total =		297.38Cft
	P Cft		Rs

- 17 Providing and laying 1:2:4 cement concrete using crushed stone 3/4" and downgauge in projection including formwork and curring etc.

(5-20/a)

1 x 2 x 23.50 x 2.00 x 0.33	=	31.02Cft
1 x 2 x 30.50 x 2.00 x 0.33	=	40.26Cft
1 x 2 x 7.00 x 1.50 x 0.33	=	6.93Cft
Total =		78.21Cft
P Cft		Rs

- 18 Providing and fixing steel door frame of approved 4" profile manufactured from zinc coated mild steel sheet of 1.41mm thickness.

(28-40/a)

Room	1 x 2 x 7.00	-	- =	14.00Rft
"	1 x 1 x 4.00	-	- =	4.00Rft
"	2 x 2 x 7.00	-	- =	28.00Rft
Bath	1 x 1 x 2.50	-	- =	2.50Rft
	Total =			18.00Rft
	P Rft			Rs

- 19 Providing and fixing steel window.

(28-64)

1 x 3 x 6.00 x 4.00	- =	72.00Sft
1 x 3 x 6.00 x 1.50	- =	27.00Sft

1 x	1 x	4.00 x	1.50	-	=	6.00 Sft
Total =						105.00 Sft
						P Sft Rs

- 20 Providing and fixing iron grills of 3/8" thick square bar i/c welding all sides and the at the junction as per approves design.

(28-28)

1 x	3 x	6.00 x	4.00	-	=	72.00 Sft
1 x	3 x	6.00 x	1.50	-	=	27.00 Sft

1 x	1 x	4.00 x	1.50	-	=	6.00 Sft
Total =						105.00 Sft
@ 1.5 Kgs per Sft	105.00	x	1.50	=	157.50 Kgs	
						P Kgs Rs

- 21 Earth filling under floor with surplus earth P.F outside i/c watering ,rumming,compacting etc.

(3-16/b)

1 x	1 x	19.63 x	17.63 x	2.50	=	864.73 Cft
1 x	1 x	17.63 x	7.63 x	2.50	=	336.07 Cft
Total =						336.07 Cft
						P Cft Rs

- 22 Providing and laying 1:4:8 cement concrete using crushed stone 3/4" downgauge in under floor i/c formwork and curring etc.

(14-1/b)

1 x	1 x	19.63 x	17.63 x	0.33	=	114.14 Cft
1 x	1 x	17.63 x	7.63 x	0.33	=	44.36 Cft
1 x	2 x	25.50 x	3.00 x	0.25	=	38.25 Cft
1 x	2 x	30.50 x	3.00 x	0.25	=	45.75 Cft
Total =						242.51 Cft
						P Cft Rs

- 23 1/2" thick plaster on sofit of ceiling with 1:4 cement mortar in G.Floor.

(15-1/a/iii)

1 x	1 x	20.00 x	18.00	-	=	360.00 Sft
1 x	2 x	23.50 x	2.33	-	=	109.51 Sft
2 x	2 x	7.00 x	1.75	-	=	49.00 Sft
1 x	2 x	18.00 x	1.50	-	=	54.00 Sft
1 x	1 x	19.50 x	9.00	-	=	175.50 Sft
1 x	2 x	19.50 x	0.75	-	=	29.25 Sft
1 x	2 x	8.75 x	0.75	-	=	13.13 Sft
Total =						790.39 Sft
						P Sft Rs

- 24 3/4" thick plaster on internal wall with 1:4 cement mortar

(15-4/iii)

	1x	2 x	[20.00 + 18.00]	11.00	=	836.00 Sft
	1 x	1 x	19.50 x 11.00	-	=	214.50 Sft
	2x	3 x	[1.00 + 0.75]	10.00	=	105.00 Sft
Attached Bath	2 x	2 x	8.00 x 9.75	-	=	312.00 Sft
	1 x	1 x	5.00 x 9.75	-	=	48.75 Sft
	Total A =					1516.25 Sft
D/D door	1 x	1 x	4.00 x 7.00	-	=	28.00 Sft
	1 x	1 x	6.00 x 4.00	-	=	24.00 Sft
	1 x	4 x	6.00 x 2.00	-	=	48.00 Sft
	1 x	2 x	4.00 x 2.00	-	=	16.00 Sft

1 x	2 x	2.50 x	7.00	-	=	35.00Sft
Total B =						151.00Sft
Net Qty A-B 1516.25-				151.00 =		1365.25Sft
						<u>P Sft Rs</u>

25 1/2" thick plaster on external wall with 1:4 cement mortar.

(15-3/iii)

1 x	1 x	19.50 x	11.00	-	=	214.50Sft
1 x	2 x	21.50 x	11.00	-	=	473.00Sft

D/D door		1 x	2 x	[30.63 + 19.88]x	2.50	=	252.50Sft	
		Total A =					940.00Sft	
	v	2 x	2 x	6.00 x	2.00	-	48.00Sft	
	v	1 x	2 x	4.00 x	2.00	-	16.00Sft	
		Total B =					16.00Sft	
		Net Qty A-B				940.00-	16.00 =	924.00Sft
								<u>P Sft Rs</u>

27 Providing and fixing flash door shutter 1 1/2" thick.

(16-11/ci)

D	1 x	1 x	6.80 x	3.75	-	=	25.50Sft
Total =							25.50Sft
						<u>P Sft Rs</u>	

28 Providing and laying 1:2:4 cement concrete using crushed stone 3/4" and downgauge in floor 3" thick including formwork and curring etc.

(14-2/aiii)

1 x	2 x	25.50 x	3.00	-	=	153.00Sft
1 x	2 x	30.63 x	3.00	-	=	183.75Sft
Total =						336.75Sft
						<u>P % Sft Rs</u>

veneered door shutters fully flushed with First class (16-11/ci)

Room	1 x	1 x	3.50 x	7.00	-	=	24.50Sft
Bath	1 x	1 x	2.50 x	7.00	-	=	17.50Sft
Total =						42.00Sft	
						<u>P % Sft Rs</u>	

29 Distempering on wall and ceiling.

(17-67)

Same qty 1/2" thixck plaster on ceiling	=	790.39Sft
Same qty 3/4" plaster	=	1365.25Sft
Total	=	<u>2155.64 Sft</u>
		<u>P Sft Rs</u>

30 Providing and fixing sliding bolt.

(16-74/bi)

1x	1	-	-	-	=	1.00Nos
Total					=	1.00Nos
						<u>Per each Rs</u>

31 Providing and fixing approved heavy handle.

(16-77/cii)

1x	2	-	-	-	=	2.00Nos
Total					=	2.00Nos
						<u>Per each Rs</u>

32 Painting on steel.

(17-7)

1 x	2 x	6.00 x	4.00	-	=	48.00Sft
2 x	4 x	6.00 x	2.00	-	=	96.00Sft

2 x 2 x 4.00 x 2.00

- = 32.00Sft
Total = 176.00Sft
P Sft Rs

33 Painting on wood.

(17-6)

Room 1 x 2 x 3.50 x 7.00
Bath 1 x 1 x 2.50 x 7.00

- = 49.00Sft
- = 17.50Sft
Total = 49.00Sft
P Sft Rs

closet with integral treads ICL
(S.I.No. 23-2bi)

1x 1

= 1.00Nos
Total = 1.00Nos
Per each Rs

earthen ware wash basin
(S.I.No. 23-5ai)

1x 3

= 3.00Nos
Total = 3.00Nos
Per each Rs

cock of approved make.
(S.I.No. 23-34a)

1x 2

= 2.00Nos
Total = 2.00Nos
Per each Rs

Providing and fixing superior quality
gun-metal peet/gate valve (Class150) of
approved make.
(S.I.No. 23-39ai)

1x 2

= 2.00Nos
Total = 2.00Nos
Per each Rs

Providing and fixing superior quality 1/2" size
C.P. tee stop cock of
approved make.
(S.I.No. 23-35a)

1x 2

= 2.00Nos
Total = 2.00Nos
Per each Rs

concrete chamber and C.I. grating..
(S.I.No. 23-42b)

1x 2

= 2.00Nos
Total = 2.00Nos
Per each Rs

equivalent make registered with PSQCA.
(S.I.No. 27-46/ai)

1x 67

= 67.00Rft
Total = 67.00Rft
P.Rft Rs

equivalent make registered with PSQCA.
(S.I.No. 27-46/aai)

1x 100

= 100.00Rft
Total = 100.00Rft
P.Rft Rs

manufactured by Dura or

(S.I.No. 27-44a)

1x 1	_____	=	1.00Nos
		Total	= 1.00Nos
			Per each Rs

KSB, Grandfos, Siemens

(S.I.No. 30-118/b)

1x 1	_____	=	1.00Nos
		Total	= 1.00Nos
			Per each Rs

35 Wiring of light circuit.

(30-2)

1x 2	-	-	-	=	2.00Points
			Total	=	2.00Points
					Per each Rs

36 Wiring of light point.

(30-3)

1x 10	_____	=	10.00Points
		Total	= 10.00Points
			Per each Rs

37 switch on appropriate size plastic box and plastic sheet suitable for single switch on a common

(30-16)

1x 3	_____	=	3.00Nos
		Total	= 3.00Nos
			Per each Rs

38 dimmer on appropriate size plastic box and plastic sheet suitable for 3 switches on common board .

(30-17)

1x 3	_____	=	3.00Nos
		Total	= 3.00Nos
			Per each Rs

39 Wiring of 5 Amp 2/3 pin switch.

(30-8/a)

1 x 1	_____	=	1.00Points
		Total	= 1.00Points
			Per each Rs

40 Wiring of 15 Amp 3 pin switch with 2.5 sqmm PVC Insulated copper conductor cable.

(30-10)

1 x 1 x 30.00	_____	=	30.00Rft
		Total	= 30.00Rft
			Per Rft Rs

@ Rs. 550.32

41 S/I of 15 Amp 3 pin switch socket unit.

(30-20)

1 x 2	_____	=	2.00Nos
		Total	= 2.00Nos
			Per each Rs

42 S/I of 5 Amp 2/3 pin switch socket unit.

(30-19)

1 x 3	_____	=	3.00Nos
		Total	= 3.00Nos
			Per each Rs

43 S/I of 56" sweep ceiling fan with fan hook.

(30-87)

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1x 2 - -

- = 2.00Nos
Total = 2.00Nos
Per each **Rs**

TotalRs. _____
Say Rs. _____

DETAILED ESITAMTE FOR THE BORE , LEVLLING TUFF TILE

S.NO	ITEM OF WORK	QTY:				REATE	UNIT	AMOUNT
1	Mobilization of Drilling accessories to site of work (N.S.R).	1 x	1.00	x	1.00x	1.00		
					Total:	=	1.00	Job
						@	Rs	1.00
								Job
								P.Job
2	Digging of pits for Boring Liquid (N.S.R).	1 x	1.00	x	1.00x	1.00		
					Total:	=	1.00	Job
						@	Rs	1.00
								Job
								P.Job
3	Drilling of bore in all types of soil except shingle, gravel and rock. (Sl.No 27-5/a-i-p/27-229).	1 x	1.00	x	1.00x	250.00		
					Total:	=	250.00	feet
						@	Rs	250.00
								feet
								P.feet
4	Digging of bore exeeding 250ft depth below ground level (S.I.No 27-5bi/27-229).	1 x	1.00	x	1.00x	50.00		
					Total:	=	50.00	feet
						@	Rs	50.00
								feet
								P.feet
5	Supply of PVC blind pipe of approved make registered with PSQCSA in tubewell bore hole (S.I.No 27-48/dvip/27-248).	1 x	1.00	x	1.00x	180.00		
					Total:	=	180.00	feet
						@	Rs	180.00
								feet
								P.feet
6	Supply of PVC strainer in tubewell bore hole including sockets and solvent (NSR).	1 x	1.00	x	1.00x	120.00		
					Total:	=	120.00	feet
						@	Rs	120.00
								feet
								P.feet

Installing uPVC blind pipe ILL, Dadex or equivalent make registered with PSQCA in tubewell bore hole and/or laying, cutting, jointing and testing uPVC pipe lines in trenches. (S.I.No									
7	27-49/D-vi-p-27-251).	1 x	1.00	x	1.00x	300.00	=	300.00	feet
					Total:		@	Rs	300.00 feet
									P.feet
Providing and installing M.S bail plug of approved make registered with PSQCA. (S.I.No									
8	27-12/ip/27-231).	1 x	1.00	x	1.00x	1.00	=	1.00	feet
					Total:		@	Rs	1.00 feet
									P.feet
shrouding and installing with graded pea gravel 3/8 to 1/8"(10mm to 3mm) around tubewell bore hole. (S.I.No									
9	27-21/p 27-234).	1 x	1.00	x	1.00x	367.00	=	367.00	Cft
					Total:		@	Rs	367.00 Cft
									P.Cft
Logging tubewell Bore I/C lithology og bore strata chart (NSR). (									
10		1 x	1.00	x	1.00x	1.00	=	1.00	job
					Total:		@	Rs	1.00 job
									P.job
Development / Testng of Tube well by compressor mechine (S.I.No 27-20-ap/27-234).									
11		1 x	1.00	x	1.00x	1.00	=	1.00	job
					Total:		@	Rs	1.00 job
									P.job
12	Levelling and dressing the ground by cutting and filling earth upto 150mm in depth including consolidating and watering. (SI.NO.3-53)								
		1x			1x	200.00 x	400	=	80000.0 Sqm
						Total	=	80000.0	Sqm
						@ Rs			Sqm

Supply and Fixing of Concrete
pavers on 3" thick sand cushion
of different
designs having thickness of 60
mm, mechanically compressed,
minimum
strenght of 6000 psi after
laboratory testing at factory and
random testiing
at site as and when desired by
the Engineer incharge comple in
all respects.
a) 60 mm thick, tuff tiles Natural
gray
(SI.NO. 21-91)

1x	1x	100.00	x	30	=	3000.0	Sft
				Total	=	3000.0	Sft
				@ Rs			Sft
Total							Rs:-
G:Total							Rs:

**CONSTRUCTION OF BOUNDARY WALL 300 RFT BHU GARAI JAHOO
DISTRICT AWARAN**

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with excavated earth watering and ramming lead up to 30 m lift up to 1.5m									
	3-21/Aiii									
	BOUNDARY WALL	1	1	300.00	2.50	2.50	1875.00	CFT		
	GATE COLUMNS FOOTING	1	3	3.00	3.00	3.00	81.00	CFT		
						Total=	1956.00	CFT		
2	Providing and laying cement concrate 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
	BOUNDARY WALL	1	1	300.00	2.50	0.25	187.50	CFT		
	GATE COLUMNS FOOTING	1	3	4.00	4.00	0.25	12.00	CFT		
						Total=	199.50	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the									
	5-44/A									
	Steel in Foundation									
	1/2" dia bars in found:	1	4	300.00	0.667	0.4536	544.32	KG		
	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
	1/2" dia bars in Col. C1	29	4	12.50	0.667	0.4536	438.70	KG		
	3/8" dia ring @ 9"c/c	29	15	3.75	0.375	0.4536	277.48	KG		
	1/2" dia bars in Col. C2	3	6	12.50	0.667	0.4536	68.07	KG		

	3/8" dia ring @ 9"c/c	3	15	6.50	0.375	0.4536	49.75	KG		
	Steel in Plinth Band									
	1/2" dia bars in found:	1	4	300.00	0.667	0.4536	363.06	KG		
	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
						Total=	2138.14	KG		
	WEIGHT IN TON						2.138	KG		
4	Providing and laying cement concrete 1:2:4 (1 cement 2 sand 4 crush) using crushed size 19mm (3/4") and down gauge in foundation bed including levelling , form work , compacting , curing , and removal of form work.									
	5-8-c									
	BOUNDRY WALL	1	1	300.00	2.00	0.75	450.00	CFT		
	GATE COLUMNS FOOTING	3	1	8.00	8.00	1.50	288.00	CFT		
						Total=	738.00	CFT		
5	Providing and laying plain hand mixed cement concrete using sand approved source and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation and plinth including leveling, compacting & curing.									
	S.I NO 5-4/a									
	BOUNDRY WALL	1	1	300.00	1.50	1.50	675.00	CFT		
	GATE COLUMNS FOOTING	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step									
	BOUNDRY WALL	1	1	300.00	1.125	0.75	253.13	CFT		
	GATE COLUMNS FOOTING	3	1	2.50	1.125	2.00	16.88	CFT		
				Total=		(A)	968.63	CFT		
	1st Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.125	0.75	18.35	CFT		
	COLUMNS C2	3	1	2.50	1.125	1.00	8.44	CFT		
				Total=		(B)	99.35	CFT		
	Net QUANTITY					(A -- B)	869.27	CFT		

6	Providing and laying in Situ cement concrete 1 : 2 : 4 (1 cement 2 sand 4 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work									
5-15/C										
	1st Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.13	1.00	24.47	CFT		
	COLUMNS C2	3	1	2.50	1.13	1.00	8.44	CFT		
						Total=	105.47	CFT		
7	Providing and laying 1:2:4 cement concrete using shingle or bajri 19mm and down gauge in plinth band, door band and roof band of required shape or section including formwork and its removal, compacting and curing in basement and ground floor but excluding the cost of reinforcement.									
5-49/a										
	PLINTH BAND CONCRETE									
	BOUNDRY WALL	1	1	300.00	1.000	0.75	225.00	CFT		
	GATE COLUMNS FOOTING	3	1	1.50	1.50	0.75	5.06	CFT		
						Total=	230.06	CFT		
8	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) and down gauge in ground floor super-structure including scaffolding, raking out joints and curing.									
S.I NO 9-7/Cii										
	Wall in super structure									
	BOUNDRY WALL	1	1	300.00	0.58	6.00	1044.00	CFT		
						Total=	1044.00	CFT		
						sub total A	1044.00	CFT		
	Ded: Columns C1	29	1	0.75	0.58	6.00	75.69	CFT		
						sub total B	75.69	CFT		
	NET QUANTITY					A-B	968.31	CFT		

9	Providing and laying in Situ cement concrete 1:2:4 (1 cement 2 sand 3 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work									
	5-15-c									
	S. STRUCTURE COLUMNS CONCRETE									
	COLUMNS C1	29	1	0.75	0.58	6.00	75.69	CFT		
	COLUMNS C2	3	1	1.50	1.50	6.00	40.50	CFT		
						Total=	116.19	CFT		
11	19mm (3/4") thick cement plaster 1:4 cement mortar ratio on wall and columns in basement plinth and ground floor including making edges corner and curing.									
	15-4/iii									
	BOUNDARY WALL	1	2	300.00		7.00	4200.00	CFT		
					Total		4200.00	SFT		
12	Applying weather resistant paint coating such as ICI weather shield, Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10									
	17-69-1									
	SAME QTY OF PLASTER									
						Total	4200.00	SFT		
13	Providing and fixing steel grated double leaf Gate with locking arrangement, and angle iron (2" x 2" x .375") for frame, middle strip 6.4 mm (.25) thick gusset plate 75 mm x 75 mm (3" x 3") at each edge and 19 mm (.75) M.S square or round bars 5/8" or 6/8" dia at 100 mm (4) center to center including two coats of red oxide paint as per the direction of Engineer									
	28-18-1									
	M. GATE	1	1	12.00	7.00		84.00	SFT		
	SIDE GATE	1	1	4.00	7.00		28.00	SFT		
						Total	112.00	SFT		
					4.3	112.00	487.20	SFT		
							487.20	SFT		
TOTAL										

CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
						Total=	405.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	BOTOM SLAM	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		

						Total=	60.75	CFT		
5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls									
	S.I NO 5-22/B									
		1	1	33.50	0.75	7.00	175.88	CFT		
						Total	175.88	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/aiii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
						Total	268.00	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									

		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
						Total	33.50	Rft		
11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.									
	28-7/1									
		1	1	2.00		2.00	4.00	Sft		
						Total	4.00	Sft		
TOTAL										

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		

5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.								
	S.I NO 9-2/ciii								
		1	2	7.57	0.66	7.00	69.95	CFT	
		1	2	13.50	0.66	7.00	124.74	CFT	
		1	2	6.00	0.66	7.00	55.44	CFT	
						Total	250.13	CFT	
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"								
	5-22/c								
		1	1	13.50	7.66	0.75	77.56	CFT	
							77.56	CFT	
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.								
	15-4/iii								
		1	1	2.00	21.32	6.00	255.84	Sft	
		1	1	4.00	7.66	6.00	183.84	Sft	
						Total	439.68	Sft	
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.								
	25-12/b								
		1	1	1.00	1.00	1.00	1.00	each	
						Total	1.00	each	
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.								
	13-16/a								
		1	1	1.00		2.00	2.00	No	
						Total	2.00	No	
TOTAL									

AWARAN
GENERAL ABSTRACT

S NO.	DESCRIPTION OF WORK	AMOUNT
1	REPAIR AND RENOVATION OF BHU GILLI JAHOO DISTRICT AWARAN	
2	CONSTRUCTION OF UNDER GROUND WATER TANK	
3	Water Bore	
4	CONSTRUCTION OF SEPTIC TANK	

Total Rs. 6506829/-

Say Rs. 6.507 Million

DETAILED ESITAMTE FOR THE BORE , LEVLLING TUFF TILE

S.NO	ITEM OF WORK	QTY:				REATE	UNIT	AMOUNT
1	Mobilization of Drilling accessories to site of work (N.S.R).	1 x	1.00	x	1.00x	1.00		
					Total:	=	1.00	Job
						@	Rs	Job
							1.00	P.Job
2	Digging of pits for Boring Liquid (N.S.R).	1 x	1.00	x	1.00x	1.00		
					Total:	=	1.00	Job
						@	Rs	Job
							1.00	P.Job
3	Drilling of bore in all types of soil except shingle, gravel and rock. (Sl.No 27-5/a-i-p/27-229).	1 x	1.00	x	1.00x	250.00		
					Total:	=	250.00	feet
						@	Rs	feet
							250.00	P.feet
4	Digging of bore exeeding 250ft depth below ground level (S.I.No 27-5bi/27-229).	1 x	1.00	x	1.00x	50.00		
					Total:	=	50.00	feet
						@	Rs	feet
							50.00	P.feet
5	Supply of PVC blind pipe of approved make registered with PSQCSA in tubewell bore hole (S.I.No 27-48/dvip/27-248).	1 x	1.00	x	1.00x	180.00		
					Total:	=	180.00	feet
						@	Rs	feet
							180.00	P.feet
6	Supply of PVC strainer in tubewell bore hole including sockets and solvent (NSR).	1 x	1.00	x	1.00x	120.00		
					Total:	=	120.00	feet
						@	Rs	feet
							120.00	P.feet

Installing uPVC blind pipe ILL, Dadex or equivalent make registered with PSQCA in tubewell bore hole and/or laying, cutting, jointing and testing uPVC pipe lines in trenches. (S.I.No									
7	27-49/D-vi-p-27-251).	1 x	1.00	x	1.00x	300.00	=	300.00	feet
					Total:		@	Rs	300.00 feet
									P.feet
Providing and installing M.S bail plug of approved make registered with PSQCA. (S.I.No									
8	27-12/ip/27-231).	1 x	1.00	x	1.00x	1.00	=	1.00	feet
					Total:		@	Rs	1.00 feet
									P.feet
shrouding and installing with graded pea gravel 3/8 to 1/8"(10mm to 3mm) around tubewell bore hole. (S.I.No									
9	27-21/p 27-234).	1 x	1.00	x	1.00x	367.00	=	367.00	Cft
					Total:		@	Rs	367.00 Cft
									P.Cft
Logging tubewell Bore I/C lithology og bore strata chart (NSR). (									
10		1 x	1.00	x	1.00x	1.00	=	1.00	job
					Total:		@	Rs	1.00 job
									P.job
Development / Testng of Tube well by compressor mechine (S.I.No 27-20-ap/27-234).									
11		1 x	1.00	x	1.00x	1.00	=	1.00	job
					Total:		@	Rs	1.00 job
									P.job
Levelling and dressing the ground by cutting and filling earth upto 150mm in depth including consolidating and watering. (SI.NO.3-53)									
			1x		1x	200.00	x	400	= 80000.0 Sqm
						Total	=	80000.0	Sqm
						@ Rs			Sqm

Supply and Fixing of Concrete
pavers on 3" thick sand cushion
of different
designs having thickness of 60
mm, mechanically compressed,
minimum
strenght of 6000 psi after
laboratory testing at factory and
random testiing
at site as and when desired by
the Engineer incharge comple in
all respects.
a) 60 mm thick, tuff tiles Natural
gray
(SI.NO. 21-91)

1x	1x	100.00	x	30	=	3000.0	Sft
				Total	=	3000.0	Sft
				@ Rs			Sft
Total							Rs:-
G:Total							Rs:

REPAIR AND RENOVATION OF BHU GILLI JAHOO DISTRICT AWARAN

S.No	Description	No	L	B/H	Qty	Rate	Amounte
1	Scraping rubbing and cleaning of emulsion finish snowcem from wall and ceiling including removal of rubbish in all floors. (S.I No: 4-56)						0
	CEILLING						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 sft
	First Aid	1	x	12.50	x	6.00	= 75.00 sft
	Porch	1	x	17.00	x	10.00	= 170.00 sft
	Toilet	2	x	5.00	x	4.00	= 40.00 sft
		1	x	4.33	x	5.67	= 24.55 sft
	Walls						
	Office	1	2	x	16.25	x	11.50 = 373.75 sft
		1	2	x	12.50	x	11.50 = 287.50 sft
	Ward	1	2	x	16.00	x	11.50 = 368.00 sft
		1	2	x	12.00	x	11.50 = 276.00 sft
	First Aid	1	2	x	12.50	x	11.50 = 287.50 sft
		1	2	x	6.00	x	11.50 = 138.00 sft
	Porch	1	1	x	17.00	x	8.50 = 144.50 sft
	Porch	1	1	x	10.00	x	8.50 = 85.00 sft
	Beam	1	1	x	17.00	x	3.00 = 51.00 sft
		1	1	x	10.00	x	3.00 = 30.00 sft
	Columns	1	2	x	3.32	x	7.50 = 49.80 sft
	Toilets	1	2	x	5.00	x	9.50 = 95.00 sft
		1	2	x	4.00	x	9.50 = 76.00 sft
		1	1	x	4.33	x	9.50 = 41.14 sft
		1	2	x	5.66	x	9.50 = 107.54 sft
	Outer Side	1	1	x	71.75	x	13.50 = 968.63 sft
	Shade	1	1	x	117.66	x	1.50 = 176.49 sft
	Toilets	1	1	x	14.67	x	11.00 = 161.37 sft
		1	2	x	6.33	x	11.00 = 139.26 sft
		1	2	x	5.33	x	11.00 = 117.26 sft
						Total A	4678.41 sft
	Deuction						
	D	1	x	2	x	3.50 x 7.00	= 49.00 sft
	D1	1	x	1	x	3.00 x 7.00	= 21.00 sft
	D2	1	x	2	x	2.50 x 7.00	= 35.00 sft
	W	1	x	5	x	4.00 x 4.00	= 80.00 sft
	v	1	x	2	x	1.50 x 1.50	= 4.50 sft
						Total B	189.50 sft
	Net Quantity(A---B)		4678.41		189.50	Total	4488.91 sft
2	Removing door with chowkat						
	SINO.4-32/a						
	Main Building	1	x	2	x	3.50 x 7.00	= 49.00 sft
	Toilet Block	1	x	1	x	3.00 x 7.00	= 21.00 sft
		1	x	2	x	2.50 x 7.00	= 35.00 sft
						Total	105.00 sft
3	Removing Windows with chowkat						
	SINO.4-32/b						
	w	1	x	4	x	4.00 x 4.00	= 64.00 sft
	v	1	x	1	x	1.50 x 1.50	= 2.25 sft
						Total	66.25 sft
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes						
	SINO.4-19/a						
	Office	1	x	1	x	16.25 x 12.50	= 203.13 sft
	Ward	1	x	1	x	16.12 x 1.50	= 24.18 sft
	First Aid	1	x	1	x	12.50 x 6.00	= 75.00 sft
	Porch	1	x	1	x	17.00 x 10.00	= 170.00 sft
	Toilets & Bath	1	x	2	x	5.00 x 4.00	= 40.00 sft
	Wash Area	1	x	1	x	4.33 x 5.66	= 24.51 sft
						Total	536.81 sft
5	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.						
	SINO.14-2/bii						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 cft
	First Aid	1	x	12.50	x	6.00	= 75.00 cft
	Toilets	2	x	5.00	x	4.00	= 40.00 cft
	Wash Area	1	x	4.33	x	5.66	= 24.51 cft
						Total	534.63 sft

- 6 Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard

SINO.28-40/cii

(3.5+3.5+7.5+7.5=25)	2	x	1.00	x	25.00	=	50.00	sft
(3.0+3.0+7.5+7.5=21)	1	x	1.00	x	21.00	=	21.00	sft
(2.5+2.5+7.5+7.5=25)	2	x	1.00	x	20.00	=	40.00	sft

Total	111.00	sft
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7	roviding and laying super white 12"x12" marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.									
	SINO.14-9/b									
	Office	1	x	1	x	16.25	x	12.50	=	203.13 sft
	Ward	1	x	1	x	16.00	x	12.00	=	192.00 sft
	First Aid	1	x	1	x	12.50	x	6.00	=	75.00 sft
	Porch	1	x	1	x	17.00	x	10.00	=	170.00 sft
						Total				640.13 sft
9	Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry of matching color, cleaning & curing.									
	SINO.14-64/a									
	Toilets & Bath	2	x	2	x	5.00	x	7.00	=	140.00 sft
		4	x	2	x	4.00	x	7.00	=	224.00 sft
	Wash Area	1	x	1	x	4.33	x	7.00	=	30.31 sft
		1	x	2	x	5.66	x	7.00	=	79.24 sft
						Total				473.55 sft
10	Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing									
	SINO.14-25/a									
	Toilets & Bath Floor	1	x	2	x	5.00	x	4.00	=	40.00 sft
	Wash Area	1	x	1	x	4.33	x	5.66	=	24.51 sft
						Total				64.51 sft
11	providing and laying Roof Screedding thick using 3/4 (19mm) including form work consolidating finishing and curring.									
	SINO.14-68/b									
	Main Building	1	x	33.33	x			27.00		899.91 sft
	Toilet Block	1	x	17.66	x			9.33		164.7678 sft
						Total				1064.6778 sft
12	providing on old surface of wall with Bergerconcrete surfac including cleanding and ICI or equvalint on plastered rendered orsand preparing the surfac.									
	SINO.17-33/b									
	Same Quantity of item no.1									4488.91 sft
						Total				4488.9061 sft
13	painting on old surface on wood work withBerger /ICI or equivalent super gloss syenthetic enmal paint on wood work.									
	SINO.17-31									
	D	2	x	2	x	3.50	x	7.00	=	98.00 sft
	D1	2	x	1	x	3.00	x	7.00	=	42.00 sft
	D2	2	x	2	x	2.50	x	7.00	=	70.00 sft
						Total				210.00 sft
14	Providing and fixing fully glazed single leaf hung/sliding aluminium windows, ventilators (Deluxe model - 1.6mm) of anodized champagne or approved color of Prime, Chawala, Pakistan Cable or any approved section as approved by Engineer incharge including aluminium fittings, 5 mm local tinted glass, lugs, cutting holes and making good the damages to walls.									
	SINO.28-24/1									
	Windows	5	x	4.00	x			4.00	=	80.00 sft
						Total				80.00 sft

- ## Windows

Conversion in Kg

125	x	3.5	Total	437.50	Ka
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	17-69-1
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	SAME QTY OF PLASTER
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						4480.00	SFT		
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|---------|
| 28-18-1 |
|---------|

M. GATE	1	1	###	7.00		84.00	SFT		
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SIDE GATE	1	1	###	7.00		28.00	SFT		
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					Total	112.00	SFT		
--	--	--	--	--	--------------	---------------	------------	--	--

				4.3	112.00	487.20	SFT		
--	--	--	--	-----	--------	--------	-----	--	--

						487.20	SFT		
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- SINO.16-40-A

Total	125.00	sft
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- SINO.16-7/A

Doors	2	x	3.50	x	7.00	=	49.00	sft
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Doors	1	x	3.00	x	7.00	=	21.00	sft
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Doors	2	x	2.50	x	7.00	=	35.00	sft
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Total	105.00	sft
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SINO-23-5

	1	Nes
Total	1	Nes

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	SINO.23-8/a	1	x	1	=	1	Nos
						1	Nos
20	providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with screw. SINO.23-15-1 Baths	1	x	1	x	1	
				Total		1	sft
21	Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.						
	SINO.23-2/a	1	x	2	=	2	Nos
				Total		2	Nos
22	providing and fixing approved make plastic accessories.						
	SINO.23-30 Soap Dish	1	x	2	=	2	Nos
				Total		2	Nos
23	Toilet paper Holder	1	x	2	=	2	Nos
				Total		2	Nos
24	Towel Rod SINO.23-30	1	x	3	=	3	Nos
				Total		3	Nos
25	providing and fixing approved quality bib cock						
	SINO.23-34/B	1	x	2	=	2	Nos
				Total		2	Nos
26	providing laying cutting jointing and disinfecting G.I Pipe lill make or equavilient.						
	SINO.23-52/Aii	1	x	210	=	210	Rft
				Total		210	Rft
INTERNAL ELECTRIFICATION							
27	Light circuit concealed/open wiring with length upto 75 ft. (25m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings.						
	SINO.30-1	1	x	6	=	6	point
				Total		6	point
28	Wiring of 5 Amps. socket outlet with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.						
	SINO.30-9	2	x	12	=	24	Rm
				Total		24	Rm
29	supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories.						
	SINO.30-87	1	x	4	=	4	point
				Total		4	point
30	fixing fan to ceiling SINO.30-89/B	1	x	4	=	4	point
				Total		4	point

- 31 supply and installation 20" (500 mm)
sweep revolving bracket fan with guard

SINO.30-114

1 x

2	Total	=	2	point
			2	point

- 32 Supply and install 10" (250 mm) sweep
exhaust fan including plastic
louvers.

1 x

2 2

SINO.30-113

- 33 Supply and install Energy Saver electric
bulbs25W Philips energy save

1 x

15 15

SINO.30-117/C

- 34 Providing and fixing LDPE overhead tank
manufactured by Dura or
equivalent on top of any floor
louvers.

1 x

1 1

SINO.27-44

- 35 Supply and install Electric motors with
pump including all
accessories.

SINO.30-118/a

- 37 Supply and install 35 gallons electric
geyser

SINO.30-123/a

- 38 R.C.C pipe with bell & spigot or tongued
& grooved joint
conforming to ASTM C-76 class II wall B
or BS 3911 Part I class M
including cost of reinforcement. 12" (300
mm) inner dia

SINO.25-1/bi

1 x

50 50

- 39 Providing manhole type 'A' size 24" x 18"
(inside dimensions) as per approved
design and specifications complete for
4" to 12" dia pipes upto 4 ft. (1.2 m)
depth with 16" dia.Concrete Cover fixed
in
4" thick RCC 1:2:4 slab (with 5 lbs per
Cu.ft. or 80 kg/Cu.m of steel), burnt brick
masonry walls 9" (225 mm) thick set in
1:3 cement sand mortar, 6" thick 1:3:6
cement concrete in foundation,
4" av. thickness 1:2:4 cement concrete in
benching and 1/2"
(13mm) thick cement sand plaster in 1:3
to all inside wall surfaces,

SINO.25-4/a

1 x

3 3

- 40 Providing, laying, cutting, jointing,
testing and disinfecting PPRC pipes
confirming to ISO 4427, PN-20, complete
in all respects with specials
and valves etc. including all fittings,
connections and jointing material

SINO.27-46/av

1 x

100 100

Total	=	100	Rft
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RS.

CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION N	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
						Total=	405.00	CFT		
2	Providing and laying cement concrate 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcment for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	BOTOM SLAM	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		
						Total=	60.75	CFT		

5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls									
	S.I NO 5-22/B									
		1	1	33.50	0.75	7.00	175.88	CFT		
						Total	175.88	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/aiii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
						Total	268.00	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		

10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
					Total		33.50	Rft		
11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.									
	28-7/1									
		1	1	2.00		2.00	4.00	Sft		
					Total		4.00	Sft		
TOTAL										

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		

5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.								
	S.I NO 9-2/ciii								
		1	2	7.57	0.66	7.00	69.95	CFT	
		1	2	13.50	0.66	7.00	124.74	CFT	
		1	2	6.00	0.66	7.00	55.44	CFT	
						Total	250.13	CFT	
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"								
	5-22/c								
		1	1	13.50	7.66	0.75	77.56	CFT	
							77.56	CFT	
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.								
	15-4/iii								
		1	1	2.00	21.32	6.00	255.84	Sft	
		1	1	4.00	7.66	6.00	183.84	Sft	
					Total		439.68	Sft	
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.								
	25-12/b								
		1	1	1.00	1.00	1.00	1.00	each	
						Total	1.00	each	
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.								
	13-16/a								
		1	1	1.00		2.00	2.00	No	
					Total		2.00	No	
TOTAL									

AWARAN
GENERAL ABSTRACT

S NO.	DESCRIPTION OF WORK	AMOUNT
1	REPAIR AND RENOVATION OF BHU GOKO JAHOO DISTRICT AWARAN	
2	CONSTRUCTION OF BOUNDARY WALL 380 RFT	
3	CONSTRUCTION OF UNDER GROUND WATER TANK	
4	1 room Addition	
5	CONSTRUCTION OF SEPTIC TANK	

Total Rs. 9597109/-

Say Rs. 9.597 Million

REPAIR AND RENOVATION OF BHU GOKO JAHOO DISTRICT AWARAN

S.No	Description	No	L	B/H	Qty	Rate	Amounte
1	Scraping rubbing and cleaning of emulsion finish snowcem from wall and ceiling including removal of rubbish in all floors. (S.I No: 4-56)						
	CEILING						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 sft
	First Aid	1	x	12.50	x	6.00	= 75.00 sft
	Porch	1	x	17.00	x	10.00	= 170.00 sft
	Toilet	2	x	5.00	x	4.00	= 40.00 sft
		1	x	4.33	x	5.67	= 24.55 sft
	Walls						
	Office	1	2	x	16.25	x	11.50 = 373.75 sft
		1	2	x	12.50	x	11.50 = 287.50 sft
	Ward	1	2	x	16.00	x	11.50 = 368.00 sft
		1	2	x	12.00	x	11.50 = 276.00 sft
	First Aid	1	2	x	12.50	x	11.50 = 287.50 sft
		1	2	x	6.00	x	11.50 = 138.00 sft
	Porch	1	1	x	17.00	x	8.50 = 144.50 sft
	Porch	1	1	x	10.00	x	8.50 = 85.00 sft
	Beam	1	1	x	17.00	x	3.00 = 51.00 sft
		1	1	x	10.00	x	3.00 = 30.00 sft
	Columns	1	2	x	3.32	x	7.50 = 49.80 sft
	Toilets	1	2	x	5.00	x	9.50 = 95.00 sft
		1	2	x	4.00	x	9.50 = 76.00 sft
		1	1	x	4.33	x	9.50 = 41.14 sft
		1	2	x	5.66	x	9.50 = 107.54 sft
	Outer Side	1	1	x	71.75	x	13.50 = 968.63 sft
	Shade	1	1	x	117.66	x	1.50 = 176.49 sft
	Toilets	1	1	x	14.67	x	11.00 = 161.37 sft
		1	2	x	6.33	x	11.00 = 139.26 sft
		1	2	x	5.33	x	11.00 = 117.26 sft
					Total A		4678.41 sft
	Deuction						
	D	1	x	2	x	3.50	x 7.00 = 49.00 sft
	D1	1	x	1	x	3.00	x 7.00 = 21.00 sft
	D2	1	x	2	x	2.50	x 7.00 = 35.00 sft
	W	1	x	5	x	4.00	x 4.00 = 80.00 sft
	v	1	x	2	x	1.50	x 1.50 = 4.50 sft
					Total B		189.50 sft
	Net Quantity(A---B)		4678.41		189.50	Total	4488.91 sft
2	Removing door with chowkat						
	SINO.4-32/a						
	Main Building	1	x	2	x	3.50	x 7.00 = 49.00 sft
	Toilet Block	1	x	1	x	3.00	x 7.00 = 21.00 sft
		1	x	2	x	2.50	x 7.00 = 35.00 sft
					Total		105.00 sft
3	Removing Windows with chowkat						
	SINO.4-32/b						
	w	1	x	4	x	4.00	x 4.00 = 64.00 sft
	v	1	x	1	x	1.50	x 1.50 = 2.25 sft
					Total		66.25 sft
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes						
	SINO.4-19/a						
	Office	1	x	1	x	16.25	x 12.50 = 203.13 sft
	Ward	1	x	1	x	16.12	x 1.50 = 24.18 sft
	First Aid	1	x	1	x	12.50	x 6.00 = 75.00 sft
	Porch	1	x	1	x	17.00	x 10.00 = 170.00 sft
	Toilets & Bath	1	x	2	x	5.00	x 4.00 = 40.00 sft
	Wash Area	1	x	1	x	4.33	x 5.66 = 24.51 sft
					Total		536.81 sft
5	Providing and laying 1:2:4 cement concrete floor using crushed aggrgate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and						

SINO.14-2/bii										
Office	1	x	16.25	x	12.50		=	203.13	sft	
Ward	1	x	16.00	x	12.00	x	=	192.00	cft	
First Aid	1	x	12.50	x	6.00	x	=	75.00	cft	
Toilets	2	x	5.00	x	4.00	x	=	40.00	cft	
Wash Area	1	x	4.33	x	5.66	x	=	24.51	cft	
Total								534.63	sft	
6 Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard										
SINO.28-40/cii										
(3.5+3.5+7.5+7.5=25)	2	x	1.00	x		25.00	=	50.00	sft	
(3.0+3.0+7.5+7.5=21)	1	x	1.00	x		21.00	=	21.00	sft	
(2.5+2.5+7.5+7.5=25)	2	x	1.00	x		20.00	=	40.00	sft	
Total								111.00	sft	
7 Providing and laying super white 12"x12" marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.										
SINO.14-9/b										
Office	1	x	1	x	16.25	x	12.50	=	203.13	sft
Ward	1	x	1	x	16.00	x	12.00	=	192.00	sft
First Aid	1	x	1	x	12.50	x	6.00	=	75.00	sft
Porch	1	x	1	x	17.00	x	10.00	=	170.00	sft
Total								640.13	sft	
9 Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry of matching color, cleaning & curing.										
SINO.14-64/a										
Toilets & Bath	2	x	2	x	5.00	x	7.00	=	140.00	sft
	4	x	2	x	4.00	x	7.00	=	224.00	sft
Wash Area	1	x	1	x	4.33	x	7.00	=	30.31	sft
	1	x	2	x	5.66	x	7.00	=	79.24	sft
Total								473.55	sft	
10 Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing										
SINO.14-25/a										
Toilets & Bath Floor	1	x	2	x	5.00	x	4.00	=	40.00	sft
Wash Area	1	x	1	x	4.33	x	5.66	=	24.51	sft
Total								64.51	sft	
11 providing and laying Roof Screeding thick using 3/4 (19mm) including form work consolidating finishing and curing.										
SINO.14-68/b										
Main Building	1	x	33.33	x		27.00		899.91	sft	
Toilet Block	1	x	17.66	x		9.33		164.7678	sft	
Total								1064.6778	sft	
12 providing on old surface of wall with Berger concrete surfac including cleanding and ICI or equvalint on plastered rendered or sand preparing the surfac.										

SINO.17-33/b

Same Quantity of item no.1

4488.91 sft

Total 4488.9061

- 13 painting on old surface on wood work with Berger /ICI or equivalent super gloss sythetic ennal paint on wood work.

SINO.17-31

D	2	x	2	x	3.50	x	7.00	=	98.00	sft
D1	2	x	1	x	3.00	x	7.00	=	42.00	sft
D2	2	x	2	x	2.50	x	7.00	=	70.00	sft

Total 210.00 sft

- 14 Providing and fixing fully glazed single leaf hung/sliding aluminium windows, ventilators (Deluxe model - 1.6mm) of anodized champagne or approved color of Prime, Chawala, Pakistan Cable or any approved section as approved by Engineer incharge including aluminium fittings, 5 mm local tinted glass, lugs, cutting holes and making good the damages to walls.

SINO.28-24/1

Windows	5	x	4.00	x	4.00	=	80.00	sft
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Total 80.00 sft

- 15 providing and fixing iron grills as approved junction including with sunk iron screw design including weilding of all side at painting with two coat of red oxide.

SINO.28-27-1

Windows	5	x	5.00	x	5.00	=	125.00	sft
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125.00 sft

Conversion in Kg

125	x	3.5	Total	437.50	Kg
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- 16 providing and fixing GI wire guaze 22 guage (1.15 mm) and 144 mesh per sq .inch with first class deodar beading with one sq inch as approved design.

SINO.16-40-A

Windows	5	x	5.00	x	5.00	=	125.00	sft
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Total 125.00 sft

- 17 providing and fixing first class deodar wood deodar wood shutter fully panelled with same wood and fixed with approved brass hinges and tower bolts

SINO.16-7/A

Doors	2	x	3.50	x	7.00	=	49.00	sft
Doors	1	x	3.00	x	7.00	=	21.00	sft
Doors	2	x	2.50	x	7.00	=	35.00	sft

Total 105.00 sft

SANITARY FITTING AND WATER SUPPLY

- 18 Providing and fixing export quality glazed earthen ware wash basin manufactured by ICL Boch/Karam Cera or equivalent approved make with single hole chromium plated mixer tap 1/2" (15mm), pillar tap delux, stop cocks, C.I. or W.I. brackets 6" (150mm) built into walls 1.5" (40mm) C.P. brass waste with malleable iron or C.P. brass trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material

SINO.23-5

1	x	1	=	1	Nos
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Total 1 Nos

19	providing fixing stainless steel sink Pakistan made with C.I. or W.I brackets 6" built in wall, 1.5" (40 mm) rubber plug, C.P. brass chain, C.P. brass waste, pillar tap 2 way deluxe, 1.5" dia malleable iron or C.P. brass trap and unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material								
	SINO.23-8/a	1	x	1	=	1	Nos		
						1	Nos		
20	providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with screw.								
	SINO.23-15-1								
	Baths	1	x	1	x	1			
						1			
							sft		
21	Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.								
	SINO.23-2/a	1	x	2	=	2	Nos		
						2	Nos		
22	providing and fixing approved make plastic accessories.								
	SINO.23-30								
	Soap Dish	1	x	2	=	2	Nos		
						2	Nos		
23	Toilet paper Holder								
		1	x	2	=	2	Nos		
						2	Nos		
24	Towel Rod								
	SINO.23-30	1	x	3	=	3	Nos		
						3	Nos		
25	providing and fixing approved quality bib cock								
	SINO.23-34/B								
		1	x	2	=	2	Nos		
						2	Nos		
26	providing laying cutting jointing and disinfecting G.I Pipe lill make or equavilient.								
	SINO.23-52/Aii	1	x	210	=	210	Rft		
						210	Rft		
INTERNAL ELECTRIFICATION									
27	Light circuit concealed/open wiring with length upto 75 ft. (25m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings.								
	SINO.30-1	1	x	6	=	6	point		
						6	point		

28	Wiring of 5 Amps. socket outlet with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.								
	SINO.30-9	2	x	12	=	24	Rm		
						Total	24	Rm	
29	supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories.								
	SINO.30-87	1	x	4	=	4	point		
						Total	4	point	
30	fixing fan to ceiling								
	SINO.30-89/B	1	x	4	=	4	point		
						Total	4	point	
31	supply and installation 20" (500 mm) sweep revolving bracket fan with guard								
	SINO.30-114	1	x	2	Total	=	2	point	
							2	point	
32	Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.								
		1	x	2			2		
	SINO.30-113					Total	=	2	point
33	Supply and install Energy Saver electric bulbs 25W Philips energy save								
		1	x	15			15		
	SINO.30-117/C					Total	=	15	point
34	Providing and fixing LDPE overhead tank manufactured by Dura or equivalent on top of any floor louvers.								
	SINO.27-44	1	x	1			1		
						Total	=	1	Nos
35	Supply and install Electric motors with pump including all								
36	accessories.								
	SINO.30-118/a					Total	=	1	point
37	Supply and install 35 gallons electric geyser								
	SINO.30-123/a					Total	=	1	point
38	R.C.C pipe with bell & spigot or tongued & grooved joint conforming to ASTM C-76 class II wall B or BS 3911 Part I class M including cost of reinforcement. 12" (300 mm) inner dia								
	SINO.25-1/bi	1	x	50			50		
						Total	=	50	Rft
39	Providing manhole type 'A' size 24" x 18" (inside dimensions) as per approved design and specifications complete for								

depth with 16" dia.Concrete Cover fixed in
4" thick RCC 1:2:4 slab (with 5 lbs per Cu.ft. or 80 kg/Cu.m of steel), burnt brick masonry walls 9" (225 mm) thick set in 1:3 cement sand mortar, 6" thick 1:3:6 cement concrete in foundation, 4" av. thickness 1:2:4 cement concrete in benching and 1/2" (13mm) thick cement sand plaster in 1:3 to all inside wall surfaces,

SINO.25-4/a

1 x

3

3

Total	=	3	Rft
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- 40 Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes confirming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings, connnections and jointing material

SINO.27-46/av

1 x

100

100

Total	=	100	Rft
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Single room (16*14) with attached washroom (6*8) \$ attached Store (6*6)								
S.No	DESCRIPTION	Length (L)	Width (W)	Hieght (H)	QTY	UNIT		
1	Excavation							
	Excavation in hard soil or soft murum in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m)							
	single room+washrrom \$ store	92	2.5	2	460			
					460	Cu.ft		
2	PCC (Lean Concrete)							
	Providing and laying 1:4:8 plain machine mixed cement concrete using sand approved source and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation and plinth including leveling, compacting & curing.							
	single room+washrrom \$ store	92	2.5	0.250	57.50			
					57.50	Cu.ft		
3	Concrete block masonry							
	"Providing and laying concrete block masonry in cement sand mortar (1:4), using solid/hollow concrete blocks of approved quality and specified compressive strength (minimum 1000–1500 psi or as approved), including proper alignment, leveling, scaffolding, raking out joints, curing, complete in all respects at all levels as per drawings and specifications."							
	12" concrete block masonry	92	1.33	2	244.72			
					244.72	Cu.ft		
	8" concrete block masonry	92	0.67	10	616.4			
					616.4	Cu.ft		
4	Roofing							
	Providing and laying first class tile roof insulation comprising single layer of tiles 12"x6"x1 1/2" grouted with cement sand mortar 1:3 laid over 2.5" thick cement concrete 1:4:8 over glass wool /roof kool sheet wrapped in polythene sheet 300 gauge (0.03mm.) over a coat of PB-4 bitumen layer at the rate of 1.65 Kg./Sq.m.							
	single room+washroom \$ store				352			
					352	Sft		
5	Girders & T iron							
	Fabrication of heavy steel work with angle, tees, flat iron, round iron and sheet iron for making trusses, girders, tanks etc. including cutting, drilling riveting, handling, assembling and fixing but excluding erection in position as per directions of Engineer							
	Girders (9Nos)	14	5		630			
	T iron (24Nos)	24	0.623		179.424			
					809.424	kg		
6	Roof Screeding							
	Providing and laying 1:2:4 P.C.C roof screeding using crushed stone 3/4" (19mm) including formwork, consolidation, finishing and curing 3" (75mm) nominal thick P.C.C. roof screeding							
	single room+washrrom \$ store				352			
					352	Sft		
7	Plaster							
	3/4 inch (19mm) thick cement plaster 1:3 using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.							
	single room interior/exterior				1474			

	attached washroom \$ Store interior/exterior				616			
					2090	Sft		
8	Floor Concrete							
	Providing and laying plain machine mixed 1:3:6 cement concrete using coarse sand and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation including levelling, compacting and curing.							
	single room	16	14	0.50	112			
	attached washroom \$ store	6	14	0.50	42			
					154	Cft		
9	Door Frame Installation							
	Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard conforming to B.S.S.1245, treated with special primer base paint all round, fitted with six fixing lugs, three steel hinges for fixing door shutters standard lock-strike plate, one sliding holt eye, and three rubber buffers, including cutting holes and making good damages to walls and filling the door frame cavity with lean cement mortar 1:4 as directed by the Engineer Incharge.							
	Room	7	3		17			
	washroom \$ Store	7	2.5		16.5			
					33.5	sft		
10	Door Installation							
	Providing and fixing 1.5" (38mm) thick pressed Teak wood, 5 Ply flushed with First class wood veneering on all faces and sides fixed over deodar wood cavited core and frame work of not less than 4" (100mm) wide strips all-round with approved brass hinges, tower bolts as required							
	Room	7	3		21			
	washroom	7	2.5		17.5			
					38.5	Sft		
11	Windows Installation							
	Providing and fixing hot dipped galvanized fully glazed double leaf hung steel windows and ventilators of approved section with Z-section 1.25" (32 mm) width at each edge including using approved brass sections oxidized fitting, iron lugs, cutting holes and making good the damages to walls.							
	Windows	6	4		48			
	washroom ventilators	2	1.5		3			
					51	Sft		
12	Ceiling Fans				1	Each		
13	Wiring							
	Concealed/open wiring from point to switch with length upto 30 ft. (10m) including any switch to switch wiring with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables							
					8	Point		
14	Distempering							
	Distempering with Berger, ICI or equivalent synthetic polyvinyl emulsion finish of approved shade in two or more coats over and including the cost of priming coat including preparation of surface viz. dusting, sandpapering or rubbing with pumice stone, filling cracks or holes, if any, removing blisters or other imperfections at any height and any floor. (@ at least 2.20 Liter per 10 Sq.m							
	single room interior	16	14	11	884			
	attached washroom store \$ interior	6	14	6	324			

					1208	Sft		
15	Weather Coat							
	Applying weather resistant paint coating (Three coats (@ at least 3.00 Liter per 10 Sq.m) such as ICI/ Berger or equivalent paint of approved shade on old surface of walls and ceiling including dusting, sand papering and cleaning, scaffolding and removal of debris.							
	single room+washroom	77		12	924			
					924	Sft		
10	Tilling							
	Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing.							
	Room floor and Walls upto 4ft	16	14	4	464			
	washroom & Store	6	14	6	324			
					788	Sft		
11	LDPE Water Tank							
	Providing and fixing LDPE overhead tank 300 gallon capacity double ply, blue/white manufactured by Marjan, Master or equivalent on top of any floor							
					1	Each		
12	PPRC Pipes							
	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes conforming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings, connections and jointing material							
					50	ft.		
13	Wash Basins							
	Providing and fixing approved quality fixtures Wash basin 24" (610 mm) ICL Futura make							
					1	No.		
14	Water Closet							
	Providing and fixing white English/Indian W.C with glazed earthen ware 4"(100mm) trap squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC downpipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.							
					1	Each		
15	UPVC sewerage pipes							
	Providing and Installing uPVC pipe class b having 4"(100mm inner dia) IIL, Dadex or equivalent make registered with PSQCA in sewer lines and/or laying, cutting, jointing, testing including all specials in pipe lines in trenches.							
					40	Rft		
16	Soak Pit							
	Providing and Construction of Soak Pit having diameter 3' with depth 10', inner filled with Brick ballast/stone ballast having RCC top, complete in all respects as per drawings and as per direction of Engineer.							
					1	No		
17	Washroom Assories set				1	each		
							Total Amount	-
							8%BRA	-

	Grand Total Amount <i>(Inclusive of: All Taxes, Labour cost & Transportation charges)</i>	-
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CONSTRUCTION OF BOUNDRY WALL 380 RFT FOR BHU GOKO DISTRICT AWARAN
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COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m lift up to 1.5m									
	3-21/Aiii									
	BOUNDRY WALL	1	1	380.00	2.50	2.50	2375.00	CFT		
	GATE COLUMNS FOOTING	1	3	3.00	3.00	3.00	81.00	CFT		
						Total=	2456.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
	BOUNDRY WALL	1	1	380.00	2.50	0.25	237.50	CFT		
	GATE COLUMNS FOOTING	1	3	4.00	4.00	0.25	12.00	CFT		
						Total=	249.50	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcment for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such									
	5-44/A									
	Steel in Foundation									
	1/2" dia bars in found:	1	4	380.00	0.667	0.4536	689.47	KG		
	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
	1/2" dia bars in Col. C1	29	4	12.50	0.667	0.4536	438.70	KG		
	3/8" dia ring @ 9"c/c	29	15	3.75	0.375	0.4536	277.48	KG		
	1/2" dia bars in Col. C2	3	6	12.50	0.667	0.4536	68.07	KG		
	3/8" dia ring @ 9"c/c	3	15	6.50	0.375	0.4536	49.75	KG		
	Steel in Plinth Band									
	1/2" dia bars in found:	1	4	380.00	0.667	0.4536	459.88	KG		
	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
						Total=	2380.11	KG		
	WEIGHT IN TON						2.380	KG		

4	Providing and laying cement concrete 1:2:4 (1 cement 2 sand 4 crush) using crushed size 19mm (3/4") and down gauge in foundation bed including levelling , form work , compacting , curing , and removal of form work.									
	5-8-c									
	BOUNDRY WALL	1	1	380.00	2.00	0.75	570.00	CFT		
	GATE COLUMNS FOOTING	3	1	8.00	8.00	1.50	288.00	CFT		
						Total=	858.00	CFT		
5	Providing and laying plain hand mixed cement concrete using sand approved source and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation and plinth including									
	S.I NO 5-4/a									
	BOUNDRY WALL	1	1	380.00	1.50	1.50	855.00	CFT		
	GATE COLUMNS FOOTING	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step									
	BOUNDRY WALL	1	1	380.00	1.125	0.75	320.63	CFT		
	GATE COLUMNS FOOTING	3	1	2.50	1.125	2.00	16.88	CFT		
				Total=		(A)	1216.13	CFT		
	1st Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.125	0.75	18.35	CFT		
	COLUMNS C2	3	1	2.50	1.125	1.00	8.44	CFT		
				Total=		(B)	99.35	CFT		
	Net QUANTITY					(A -- B)	1116.77	CFT		
6	Providing and laying in Situ cement concrete 1 : 2 : 4 (1 cement 2 sand 4 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work									
	5-15/C									
	1st Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.13	1.00	24.47	CFT		
	COLUMNS C2	3	1	2.50	1.13	1.00	8.44	CFT		
						Total=	105.47	CFT		

7	Providing and laying 1:2:4 cement concrete using shingle or bajri 19mm and down gauge in plinth band, door band and roof band of required shape or section including formwork and its removal, compacting and curing in basement and ground floor but excluding the cost of reinforcement.									
	5-49/a									
	PLINTH BAND CONCRETE									
	BOUNDRY WALL	1	1	380.00	1.000	0.75	285.00	CFT		
	GATE COLUMNS FOOTING	3	1	1.50	1.50	0.75	5.06	CFT		
						Total=	290.06	CFT		
8	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) and down gauge in ground floor super-structure									
	S.I NO 9-7/Cii									
	Wall in super structure									
	BOUNDRY WALL	1	1	380.00	0.58	6.00	1322.40	CFT		
						Total=	1322.40	CFT		
					sub total A		1322.40	CFT		
	Ded: Columns C1	29	1	0.75	0.58	6.00	75.69	CFT		
					sub total B		75.69	CFT		
	NET QUANTITY				A-B		1246.71	CFT		

9	Providing and laying in Situ cement concrete 1:2:4 (1 cement 2 sand 3 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work									
	5-15-c									
	S. STRUCTURE COLUMNS CONCRETE									
	COLUMNS C1	29	1	0.75	0.58	6.00	75.69	CFT		
	COLUMNS C2	3	1	1.50	1.50	6.00	40.50	CFT		
						Total=	116.19	CFT		
11	19mm (3/4") thick cement plaster 1:4 cement mortar ratio on wall and columns in basement plinth and ground floor including making edges corner and curing.									
	15-4/iii									
	BOUNDRY WALL	1	2	380.00		7.00	5320.00	CFT		
						Total	5320.00	SFT		
12	Applying weather resistant paint coating such as ICI weather shield, Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10									
	17-69-1									
	SAME QTY OF PLASTER									
						Total	5320.00	SFT		
13	Providing and fixing steel grated double leaf Gate with locking arrangement, and angle iron (2" x 2" x .375") for frame, middle strip 6.4 mm (.25) thick gusset plate 75 mm x 75 mm (3" x 3") at each edge and 19 mm (.75) M.S square or round bars 5/8" or 6/8" dia at 100 mm (4) center to center including two coats of red oxide paint as per the direction of Engineer Incharge.									
	28-18-1									
	M. GATE	1	1	12.00	7.00		84.00	SFT		
	SIDE GATE	1	1	4.00	7.00		28.00	SFT		
						Total	112.00	SFT		
					4.3	112.00	487.20	SFT		
							487.20	SFT		
										TOTAL

CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION N	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
						Total=	405.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	BOTOM SLAM	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		
						Total=	60.75	CFT		

5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls									
	S.I NO 5-22/B									
		1	1	33.50	0.75	7.00	175.88	CFT		
						Total	175.88	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/a/iii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
						Total	268.00	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		

10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
					Total		33.50	Rft		
11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.									
	28-7/1									
		1	1	2.00		2.00	4.00	Sft		
					Total		4.00	Sft		
TOTAL										

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting bending, binding wastage and providing such overlap as are not shown on the drawings, the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		
5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.									
	S.I NO 9-2/ciii									
		1	2	7.57	0.66	7.00	69.95	CFT		
		1	2	13.50	0.66	7.00	124.74	CFT		
		1	2	6.00	0.66	7.00	55.44	CFT		
						Total	250.13	CFT		

6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"								
	5-22/c								
		1	1	13.50	7.66	0.75	77.56	CFT	
							77.56	CFT	
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.								
	15-4/iii								
		1	1	2.00	21.32	6.00	255.84	Sft	
		1	1	4.00	7.66	6.00	183.84	Sft	
					Total		439.68	Sft	
9	Providing and fixing step iron or foot rest in manhole chambersincluding setting to correct lines and levels.								
	25-12/b								
		1	1	1.00	1.00	1.00	1.00	each	
						Total	1.00	each	
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.								
	13-16/a								
		1	1	1.00		2.00	2.00	No	
					Total		2.00	No	
TOTAL									

AWARAN
GENERAL ABSTRACT

S NO.	DESCRIPTION OF WORK	AMOUNT
1	REPAIR & RENOVATION OF BHU BUILDING AND BOUNDARY WALL GOSHANAG	
2	CONSTRUCTION OF UNDER GROUND WATER TANK	
4	water bore	
5	CONSTRUCTION OF SEPTIC TANK	

6 1 room
Additon

Total Rs. 8740197/-

Say Rs. 8.740 Million

DETAIL ESTIMATE FOR REPAIR AND RENOVATION OF BHU GOSHANAG DISTRICT AWARAN.

S.No	Description	No	L	B/H	Qty	Rate	Amounte
1	Scraping rubbing and cleaning of emulsion finish snowcem from wall and ceiling including removal of rubbish in all floors. (S.I No: 4-56)						
	CEILLING						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 sft
	First Aid	1	x	12.50	x	6.00	= 75.00 sft
	Porch	1	x	17.00	x	10.00	= 170.00 sft
	Toilet	2	x	5.00	x	4.00	= 40.00 sft
		1	x	4.33	x	5.67	= 24.55 sft
	Walls						
	Office	1	2	x	16.25	x	11.50 = 373.75 sft
		1	2	x	12.50	x	11.50 = 287.50 sft
	Ward	1	2	x	16.00	x	11.50 = 368.00 sft
		1	2	x	12.00	x	11.50 = 276.00 sft
	First Aid	1	2	x	12.50	x	11.50 = 287.50 sft
		1	2	x	6.00	x	11.50 = 138.00 sft
	Porch	1	1	x	17.00	x	8.50 = 144.50 sft
	Porch	1	1	x	10.00	x	8.50 = 85.00 sft
	Beam	1	1	x	17.00	x	3.00 = 51.00 sft
		1	1	x	10.00	x	3.00 = 30.00 sft
	Columns	1	2	x	3.32	x	7.50 = 49.80 sft
	Toilets	1	2	x	5.00	x	9.50 = 95.00 sft
		1	2	x	4.00	x	9.50 = 76.00 sft
		1	1	x	4.33	x	9.50 = 41.14 sft
		1	2	x	5.66	x	9.50 = 107.54 sft
	Outer Side	1	1	x	71.75	x	13.50 = 968.63 sft
	Shade	1	1	x	117.66	x	1.50 = 176.49 sft
	Toilets	1	1	x	14.67	x	11.00 = 161.37 sft
		1	2	x	6.33	x	11.00 = 139.26 sft
		1	2	x	5.33	x	11.00 = 117.26 sft
					Total A		4678.41 sft
	Deuction						
	D	1	x	2	x	3.50	x 7.00 = 49.00 sft
	D1	1	x	1	x	3.00	x 7.00 = 21.00 sft
	D2	1	x	2	x	2.50	x 7.00 = 35.00 sft
	W	1	x	5	x	4.00	x 4.00 = 80.00 sft
	v	1	x	2	x	1.50	x 1.50 = 4.50 sft
					Total B		189.50 sft
	Net Quantity(A---B)			4678.41	189.50	Total	4488.91 sft
2	Removing door with chowkat						
	SINO.4-32/a						
	Main Building	1	x	2	x	3.50	x 7.00 = 49.00 sft
	Toilet Block	1	x	1	x	3.00	x 7.00 = 21.00 sft
		1	x	2	x	2.50	x 7.00 = 35.00 sft
					Total		105.00 sft
3	Removing Windows with chowkat						
	SINO.4-32/b						
	w	1	x	4	x	4.00	x 4.00 = 64.00 sft
	v	1	x	1	x	1.50	x 1.50 = 2.25 sft
					Total		66.25 sft
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes						
	SINO.4-19/a						
	Office	1	x	1	x	16.25	x 12.50 = 203.13 sft
	Ward	1	x	1	x	16.12	x 1.50 = 24.18 sft
	First Aid	1	x	1	x	12.50	x 6.00 = 75.00 sft
	Porch	1	x	1	x	17.00	x 10.00 = 170.00 sft
	Toilets & Bath	1	x	2	x	5.00	x 4.00 = 40.00 sft
	Wash Area	1	x	1	x	4.33	x 5.66 = 24.51 sft
					Total		536.81 sft
5	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.						
	SINO.14-2/bii						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 cft
	First Aid	1	x	12.50	x	6.00	= 75.00 cft
	Toilets	2	x	5.00	x	4.00	= 40.00 cft
	Wash Area	1	x	4.33	x	5.66	= 24.51 cft

Total	534.63	sft
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- 6 Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard

SINO.28-40/cii

(3.5+3.5+7.5+7.5=25)	2	x	1.00	x	25.00	=	50.00	sft
(3.0+3.0+7.5+7.5=21)	1	x	1.00	x	21.00	=	21.00	sft
(2.5+2.5+7.5+7.5=25)	2	x	1.00	x	20.00	=	40.00	sft
					Total		111.00	sft

7	providing and laying super white 12"x12" marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.										
	SINO.14-9/b										
	Office	1	x	1	x	16.25	x	12.50	=	203.13	sft
	Ward	1	x	1	x	16.00	x	12.00	=	192.00	sft
	First Aid	1	x	1	x	12.50	x	6.00	=	75.00	sft
	Porch	1	x	1	x	17.00	x	10.00	=	170.00	sft
						Total				640.13	sft
9	Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry of matching color, cleaning & curing.										
	SINO.14-64/a										
	Toilets & Bath	2	x	2	x	5.00	x	7.00	=	140.00	sft
		4	x	2	x	4.00	x	7.00	=	224.00	sft
	Wash Area	1	x	1	x	4.33	x	7.00	=	30.31	sft
		1	x	2	x	5.66	x	7.00	=	79.24	sft
						Total				473.55	sft
10	Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing										
	SINO.14-25/a										
	Toilets & Bath Floor	1	x	2	x	5.00	x	4.00	=	40.00	sft
	Wash Area	1	x	1	x	4.33	x	5.66	=	24.51	sft
						Total				64.51	sft
11	providing and laying Roof Screeding thick using 3/4 (19mm) including form work consolidating finishing and curring.										
	SINO.14-68/b										
	Main Building	1	x	33.33	x			27.00		899.91	sft
	Toilet Block	1	x	17.66	x			9.33		164.7678	sft
12	providing on old surface of wall with Bergerconcrete surfac including cleanding and ICI or equvalint on plastered rendered orsand preparing the surfac.										
	SINO.17-33/b										
	Same Quantity of item no.1									4488.91	sft
						Total				4488.9061	
13	painting on old surface on wood work withBerger /ICI or equivalent super gloss syenthetic enmal paint on wood work.										
	SINO.17-31										
	D	2	x	2	x	3.50	x	7.00	=	98.00	sft
	D1	2	x	1	x	3.00	x	7.00	=	42.00	sft
	D2	2	x	2	x	2.50	x	7.00	=	70.00	sft
						Total				210.00	sft
14	Providing and fixing fully glazed single leaf hung/sliding aluminium windows, ventilators (Deluxe model - 1.6mm) of anodized champagne or approved color of Prime, Chawala, Pakistan Cable or any approved section as approved by Engineer incharge including aluminium fittings, 5 mm local tinted glass, lugs, cutting holes and making good the damages to walls.										
	SINO.28-24/1										

Windows	5	x	4.00	x	4.00	=	80.00	sft		
					Total		80.00	sft		
15 providing and fixing iron grills as approvedjunction including with sunk iron screwdesign including welding of all side at painting with two coat of red oxide. SINO.28-27-1	5	x	5.00	x	5.00	=	125.00	sft		
Windows	5	x	5.00	x	5.00	=	125.00	sft		
Conversion in Kg	125	x			3.5	Total				
							125.00	sft		
							437.50	Kg		
12 Applying weather resistant paint coating such as ICI weather shield,Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials,scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10										
17-69-1										
SAME QTY OF PLASTER										
					4480.00	SFT				
13 Providing and fixing steel grated double leaf Gate with locking arrangement, and angle iron (2" x 2" x .375") for frame, middle strip 6.4 mm (.25) thick gusset plate 75 mm x 75 mm (3" x 3") at each edge and 19 mm (.75) M.S square or round bars 5/8" or 6/8" dia at 100 mm (4) center to center including two coats of red oxide paint as per the direction of Engineer Incharge.										
28-18-1										
M. GATE	1	1	###	7.00	84.00	SFT				
SIDE GATE	1	1	###	7.00	28.00	SFT				
				Total	112.00	SFT				
				4.3	112.00	487.20	SFT			
					487.20	SFT				
16 providing and fixing GI wire guaze 22 guage(1.15 mm) and 144 mesh per sq .inch withfirst class deodar beading with one sq inchas approved design. SINO.16-40-A	5	x	5.00	x	5.00	=	125.00	sft		
Windows	5	x	5.00	x	5.00	=	125.00	sft		
					Total		125.00	sft		
17 providing and fixing first class deodar wooddeodar wood shutter fully panelled with same wood and fixed with approved brass hinges and tower bolts SINO.16-7/A	2	x			3.50	x	7.00	=	49.00	sft
Doors	1	x			3.00	x	7.00	=	21.00	sft
Doors	2	x			2.50	x	7.00	=	35.00	sft
					Total				105.00	sft
SANITARY FITTING AND WATER SUPPLY										
18 Providing and fixing export quality glazed earthen ware wash basin manufactured by ICL Boch/Karam Cera or equivalent approved make with single hole chromium plated mixer tap 1/2" (15mm), pillar tap delux, stop cocks, C.I. or W.I. brackets 6" (150mm) built into walls 1.5" (40mm) C.P. brass waste with malleable iron or C.P. brass trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material SINO.23-5	1	x			1	=	1	Nos		
					Total				1	Nos

SINO.23-8/a	1	x	1	=	1	Nos
providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with screw.					1	Nos
SINO.23-15-1 Baths	1	x	1	x	1	
Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.					1	sft
SINO.23-2/a	1	x	2	=	2	Nos
providing and fixing approved make plastic accessories.					2	Nos
SINO.23-30 Soap Dish	1	x	2	=	2	Nos
Toilet paper Holder	1	x	2	=	2	Nos
Towel Rod	1	x	3	=	3	Nos
SINO.23-30 providing and fixing approved quality bib cock					3	Nos
SINO.23-34/B	1	x	2	=	2	Nos
providing laying cutting jointing and disinfecting G.I Pipe lill make or equavilient.					2	Nos
SINO.23-52/Aii	1	x	210	=	210	Rft
					210	Rft

INTERNAL ELECTRIFICATION

- 27 Light circuit concealed/open wiring with length upto 75 ft. (25m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings.

SINO.30-1	1	x	6	=	6	point
Wiring of 5 Amps. socket outlet with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.			Total		6	point
SINO.30-9	2	x	12	=	24	Rm
			Total		24	Rm

Total	=	100	Rft
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Single room (16*14) with attached washroom (6*8) \$ attached Store (6*6)								
S.No	DESCRIPTION	Length (L)	Width (W)	Hieght (H)	QTY	UNIT	RATE	AMOUNT
1	Excavation							
	Excavation in hard soil or soft murum in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m)							
	single room+washrrom \$ store	92	2.5	2	460			
					460	Cu.ft		
2	PCC (Lean Concrete)							
	Providing and laying 1:4:8 plain machine mixed cement concrete using sand approved source and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation and plinth including leveling, compacting & curing.							
	single room+washrrom \$ store	92	2.5	0.250	57.50			
					57.50	Cu.ft		
3	Concrete block masonry							
	"Providing and laying concrete block masonry in cement sand mortar (1:4), using solid/hollow concrete blocks of approved quality and specified compressive strength (minimum 1000–1500 psi or as approved), including proper alignment, leveling, scaffolding, raking out joints, curing, complete in all respects at all levels as per drawings and specifications."							
	12" concrete block masonry	92	1.33	2	244.72			
					244.72	Cu.ft		
	8" concrete block masonry	92	0.67	10	616.4			
					616.4	Cu.ft		
4	Roofing							
	Providing and laying first class tile roof insulation comprising single layer of tiles 12"x6"x1 1/2" grouted with cement sand mortar 1:3 laid over 2.5" thick cement concrete 1:4:8 over glass wool /roof kool sheet wrapped in polythene sheet 300 gauge (0.03mm.) over a coat of PB-4 bitumen layer at the rate of 1.65 Kg./Sq.m.							
	single room+washroom \$ store				352			
					352	Sft		
5	Girders & T iron							
	Fabrication of heavy steel work with angle, tees, flat iron, round iron and sheet iron for making trusses, girders, tanks etc. including cutting, drilling riveting, handling, assembling and fixing but excluding erection in position as per directions of Engineer							
	Girders (9Nos)	14	5		630			
	T iron (24Nos)	24	0.623		179.424			
					809.424	kg		
6	Roof Screeding							
	Providing and laying 1:2:4 P.C.C roof screeding using crushed stone 3/4" (19mm) including formwork, consolidation, finishing and curing 3" (75mm) nominal thick P.C.C. roof screeding							
	single room+washrrom \$ store				352			
					352	Sft		
7	Plaster							
	3/4 inch (19mm) thick cement plaster 1:3 using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.							
	single room interior/exterior				1474			

	attached washroom \$ Store interior/exterior				616			
					2090	Sft		
8	Floor Concrete							
	Providing and laying plain machine mixed 1:3:6 cement concrete using coarse sand and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation including levelling, compacting and curing.							
	single room	16	14	0.50	112			
	attached washroom \$ store	6	14	0.50	42			
					154	Cft		
9	Door Frame Installation							
	Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard conforming to B.S.S.1245, treated with special primer base paint all round, fitted with six fixing lugs, three steel hinges for fixing door shutters standard lock-strike plate, one sliding holt eye, and three rubber buffers, including cutting holes and making good damages to walls and filling the door frame cavity with lean cement mortar 1:4 as directed by the Engineer Incharge.							
	Room	7	3		17			
	washroom \$ Store	7	2.5		16.5			
					33.5	sft		
10	Door Installation							
	Providing and fixing 1.5" (38mm) thick pressed Teak wood, 5 Ply flushed with First class wood veneering on all faces and sides fixed over deodar wood cavited core and frame work of not less than 4" (100mm) wide strips all-round with approved brass hinges, tower bolts as required							
	Room	7	3		21			
	washroom	7	2.5		17.5			
					38.5	Sft		
11	Windows Installation							
	Providing and fixing hot dipped galvanized fully glazed double leaf hung steel windows and ventilators of approved section with Z-section 1.25" (32 mm) width at each edge including using approved brass sections oxidized fitting, iron lugs, cutting holes and making good the damages to walls.							
	Windows	6	4		48			
	washroom ventilators	2	1.5		3			
					51	Sft		
12	Ceiling Fans				1	Each		
13	Wiring							
	Concealed/open wiring from point to switch with length upto 30 ft. (10m) including any switch to switch wiring with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables							
					8	Point		
14	Distempering							
	Distempering with Berger, ICI or equivalent synthetic polyvinyl emulsion finish of approved shade in two or more coats over and including the cost of priming coat including preparation of surface viz. dusting, sandpapering or rubbing with pumice stone, filling cracks or holes, if any, removing blisters or other imperfections at any height and any floor. (@ at least 2.20 Liter per 10 Sq.m							
	single room interior	16	14	11	884			
	attached washroom store \$ interior	6	14	6	324			

					1208	Sft		
15	Weather Coat							
	Applying weather resistant paint coating (Three coats (@ at least 3.00 Liter per 10 Sq.m) such as ICI/ Berger or equivalent paint of approved shade on old surface of walls and ceiling including dusting, sand papering and cleaning, scaffolding and removal of debris.							
	single room+washroom	77		12	924			
					924	Sft		
10	Tilling							
	Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing.							
	Room floor and Walls upto 4ft	16	14	4	464			
	washroom \$ Store	6	14	6	324			
					788	Sft		
11	LDPE Water Tank							
	Providing and fixing LDPE overhead tank 300 gallon capacity double ply, blue/white manufactured by Marjan, Master or equivalent on top of any floor							
					1	Each		
12	PPRC Pipes							
	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes conforming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings, connections and jointing material							
					50	ft.		
13	Wash Basins							
	Providing and fixing approved quality fixtures Wash basin 24" (610 mm) ICL Futura make							
					1	No.		
14	Water Closet							
	Providing and fixing white English/Indian W.C with glazed earthen ware 4"(100mm) trap squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC downpipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.							
					1	Each		
15	UPVC sewerage pipes							
	Providing and Installing uPVC pipe class b having 4"(100mm inner dia) IIL, Dadex or equivalent make registered with PSQCA in sewer lines and/or laying, cutting, jointing, testing including all specials in pipe lines in trenches.							
					40	Rft		
16	Soak Pit							
	Providing and Construction of Soak Pit having diameter 3' with depth 10', inner filled with Brick ballast/stone ballast having RCC top, complete in all respects as per drawings and as per direction of Engineer.							
					1	No		
17	Washroom Assories set				1	each		
							Total Amount	-
							8%BRA	-

	Grand Total Amount <i>(Inclusive of: All Taxes, Labour cost & Transportation charges)</i>	-
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DETAILED ESITAMTE FOR THE BORE , LEVLLING TUFF TILE

S.NO	ITEM OF WORK	QTY:	REATE	UNIT	AMOUNT
1	Mobilization of Drilling accessories to site of work (N.S.R).				
		Total:	@	Rs	1.00 Job P.Job
2	Digging of pits for Boring Liquid (N.S.R).				
		Total:	@	Rs	1.00 Job P.Job
3	Drilling of bore in all types of soil except shingle, gravel and rock. (SI.No 27-5/a-i-p/27-229).				
		Total:	@	Rs	250.00 feet P.feet
4	Digging of bore exeeding 250ft depth below ground level (S.I.No 27-5bi/27-229).				
		Total:	@	Rs	50.00 feet P.feet
5	Supply of PVC blind pipe of approved make registered with PSQCSA in tubewell bore hole (S.I.No 27-48/dvip/27-248).				
		Total:	@	Rs	180.00 feet P.feet
6	Supply of PVC strainer in tubewell bore hole including sockets and solvent (NSR).				
		Total:	@	Rs	120.00 feet P.feet
7	Installing uPVC blind pipe ILL, Dadex or equivalent make registered with PSQCA in tubewell bore hole and/or laying, cutting, jointing and testing uPVC pipe lines in trenches. (S.I.No 27-49/D-vi-p-27-251).				
		Total:	@	Rs	300.00 feet P.feet

8	Providing and installing M.S bail plug of approved make registered with PSQCA. (S.I.No 27-12/ip/27-231).	Total: @ Rs 1.00 feet P.feet
9	shrouding and installing with graded pea gravel 3/8 to 1/8"(10mm to 3mm) around tubewell bore hole. (S.I.No 27-21/p 27-234).	Total: @ Rs 367.00 Cft P.Cft
10	Logging tubewell Bore I/C lithology og bore strata chart (NSR).	Total: @ Rs 1.00 job P.job
11	Development / Testng of Tube well by compressor mechine (S.I.No 27-20-ap/27-234).	Total: @ Rs 1.00 job P.job
12	Levelling and dressing the ground by cutting and filling earth upto 150mm in depth including consolidating and watering. (SI.NO.3-53)	Total = 80000.0 Sqm @ Rs Sqm

Supply and Fixing of Concrete pavers on 3" thick sand cushion of different designs having thickness of 60 mm, mechanically compressed, minimum strength of 6000 psi after laboratory testing at factory and random testing at site as and when desired by the Engineer incharge complete in all respects.

a) 60 mm thick, tuff tiles Natural gray
(SI.NO. 21-91)

Total = 3000.0 Sft
@ Rs Sft

Total Rs:-

G:Total Rs:

CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
						Total=	405.00	CFT		
2	Providing and laying cement concrate 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcment for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	BOTOM SLAM	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		
						Total=	60.75	CFT		

5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls									
	S.I NO 5-22/B									
		1	1	33.50	0.75	7.00	175.88	CFT		
						Total	175.88	CFT		

6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/aiii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
					Total		268.00	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
					Total		33.50	Rft		

11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.								
	28-7/1								
		1	1	2.00		2.00	4.00	Sft	
						Total	4.00	Sft	
TOTAL									

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting bending, binding wastage and providing such overlap as are not shown on the drawings, the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		
5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.									
	S.I NO 9-2/ciii									
		1	2	7.57	0.66	7.00	69.95	CFT		
		1	2	13.50	0.66	7.00	124.74	CFT		
		1	2	6.00	0.66	7.00	55.44	CFT		
						Total	250.13	CFT		

6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"								
5-22/c									
	1	1	13.50	7.66	0.75	77.56	CFT		
						77.56	CFT		
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.								
15-4/iii									
	1	1	2.00	21.32	6.00	255.84	Sft		
	1	1	4.00	7.66	6.00	183.84	Sft		
				Total		439.68	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.								
25-12/b									
	1	1	1.00	1.00	1.00	1.00	each		
					Total	1.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.								
13-16/a									
	1	1	1.00		2.00	2.00	No		
				Total		2.00	No		
TOTAL									

AWARAN
GENERAL ABSTRACT

S NO.	DESCRIPTION OF WORK	AMOUNT
1	REPAIR & RENOVATION OF BHU HOOR GISHKOR	
2	CONSTRUCTION OF BOUNDARY WALL 320 RFT	
3	CONSTRUCTION OF UNDER GROUND WATER TANK	
4	1 room addition	
5	CONSTRUCTION OF SEPTIC TANK	

Total Rs. 9736250/-

Say Rs. 9.736 Million

DETAIL ESTIMATE FOR REPAIR AND RENOVATION OF BHU HOOR GISHKOR DISTRICT AWARAN.

S.No	Description	No	L	B/H	Qty	Rate	Amounte
1	Scraping rubbing and cleaning of emulsion finish snowcem from wall and ceiling including removal of rubbish in all floors. (S.I No: 4-56)						
	CEILING						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 sft
	First Aid	1	x	12.50	x	6.00	= 75.00 sft
	Porch	1	x	17.00	x	10.00	= 170.00 sft
	Toilet	2	x	5.00	x	4.00	= 40.00 sft
		1	x	4.33	x	5.67	= 24.55 sft
	Walls						
	Office	1	2	x	16.25	x	11.50 = 373.75 sft
		1	2	x	12.50	x	11.50 = 287.50 sft
	Ward	1	2	x	16.00	x	11.50 = 368.00 sft
		1	2	x	12.00	x	11.50 = 276.00 sft
	First Aid	1	2	x	12.50	x	11.50 = 287.50 sft
		1	2	x	6.00	x	11.50 = 138.00 sft
	Porch	1	1	x	17.00	x	8.50 = 144.50 sft
	Porch	1	1	x	10.00	x	8.50 = 85.00 sft
	Beam	1	1	x	17.00	x	3.00 = 51.00 sft
		1	1	x	10.00	x	3.00 = 30.00 sft
	Columns	1	2	x	3.32	x	7.50 = 49.80 sft
	Toilets	1	2	x	5.00	x	9.50 = 95.00 sft
		1	2	x	4.00	x	9.50 = 76.00 sft
		1	1	x	4.33	x	9.50 = 41.14 sft
		1	2	x	5.66	x	9.50 = 107.54 sft
	Outer Side	1	1	x	71.75	x	13.50 = 968.63 sft
	Shade	1	1	x	117.66	x	1.50 = 176.49 sft
	Toilets	1	1	x	14.67	x	11.00 = 161.37 sft
		1	2	x	6.33	x	11.00 = 139.26 sft
		1	2	x	5.33	x	11.00 = 117.26 sft
					Total A		4678.41 sft
	Deuction						
	D	1	x	2	x	3.50	x 7.00 = 49.00 sft
	D1	1	x	1	x	3.00	x 7.00 = 21.00 sft
	D2	1	x	2	x	2.50	x 7.00 = 35.00 sft
	W	1	x	5	x	4.00	x 4.00 = 80.00 sft
	v	1	x	2	x	1.50	x 1.50 = 4.50 sft
					Total B		189.50 sft
	Net Quantity(A---B)			4678.41	189.50	Total	4488.91 sft
2	Removing door with chowkat						
	SINO.4-32/a						
	Main Building	1	x	2	x	3.50	x 7.00 = 49.00 sft
	Toilet Block	1	x	1	x	3.00	x 7.00 = 21.00 sft
		1	x	2	x	2.50	x 7.00 = 35.00 sft
					Total		105.00 sft
3	Removing Windows with chowkat						
	SINO.4-32/b						
	w	1	x	4	x	4.00	x 4.00 = 64.00 sft
	v	1	x	1	x	1.50	x 1.50 = 2.25 sft
					Total		66.25 sft
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes						
	SINO.4-19/a						
	Office	1	x	1	x	16.25	x 12.50 = 203.13 sft
	Ward	1	x	1	x	16.12	x 1.50 = 24.18 sft
	First Aid	1	x	1	x	12.50	x 6.00 = 75.00 sft
	Porch	1	x	1	x	17.00	x 10.00 = 170.00 sft
	Toilets & Bath	1	x	2	x	5.00	x 4.00 = 40.00 sft
	Wash Area	1	x	1	x	4.33	x 5.66 = 24.51 sft
					Total		536.81 sft
5	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and						

-----g.

SINO.14-2/bii

Office	1	x	16.25	x	12.50		=	203.13	sft
Ward	1	x	16.00	x	12.00	x	=	192.00	cft
First Aid	1	x	12.50	x	6.00	x	=	75.00	cft
Toilets	2	x	5.00	x	4.00	x	=	40.00	cft
Wash Area	1	x	4.33	x	5.66	x	=	24.51	cft
Total								534.63	sft

- 6 Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard

SINO.28-40/cii

(3.5+3.5+7.5+7.5=25)	2	x	1.00	x		25.00	=	50.00	sft
(3.0+3.0+7.5+7.5=21)	1	x	1.00	x		21.00	=	21.00	sft
(2.5+2.5+7.5+7.5=25)	2	x	1.00	x		20.00	=	40.00	sft
Total								111.00	sft

- 7 roviding and laying super white 12"x12" marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.

SINO.14-9/b

Office	1	x	1	x	16.25	x	12.50	=	203.13	sft
Ward	1	x	1	x	16.00	x	12.00	=	192.00	sft
First Aid	1	x	1	x	12.50	x	6.00	=	75.00	sft
Porch	1	x	1	x	17.00	x	10.00	=	170.00	sft
					Total				640.13	sft

- 9 Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry of matching color, cleaning & curing.

SINO.14-64/a

Toilets & Bath	2	x	2	x	5.00	x	7.00	=	140.00	sft
	4	x	2	x	4.00	x	7.00	=	224.00	sft
Wash Area	1	x	1	x	4.33	x	7.00	=	30.31	sft
	1	x	2	x	5.66	x	7.00	=	79.24	sft
Total									473.55	sft

- 10 Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing

SINO.14-25/a

Toilets & Bath Floor	1	x	2	x	5.00	x	4.00	=	40.00	sft
Wash Area	1	x	1	x	4.33	x	5.66	=	24.51	sft
Total									64.51	sft

- 11 providing and laying Roof Screeding thick using 3/4 (19mm) including form work consolidating finishing and curring.

SINO.14-68/b

Main Building	1	x	33.33	x		27.00		899.91	sft
Toilet Block	1	x	17.66	x		9.33		164.7678	sft
Total								1064.6778	sft

- 12 providing on old surface of wall with Berger concrete surfac including cleanding and ICI or equvalint on plastered rendered or sand preparing the surfac.

SINO.17-33/b

Same Quantity of item no.1

4488.91 sft

Total 4488.9061

- 13 painting on old surface on wood work with Berger /ICI or equivalent super gloss sythetic enamel paint on wood work.

SINO.17-31

D	2	x	2	x	3.50	x	7.00	=	98.00	sft
D1	2	x	1	x	3.00	x	7.00	=	42.00	sft
D2	2	x	2	x	2.50	x	7.00	=	70.00	sft

Total 210.00 sft

- 14 Providing and fixing fully glazed single leaf hung/sliding aluminium windows, ventilators (Deluxe model - 1.6mm) of anodized champagne or approved color of Prime, Chawala, Pakistan Cable or any approved section as approved by Engineer incharge including aluminium fittings, 5 mm local tinted glass, lugs, cutting holes and making good the damages to walls.

SINO.28-24/1

Windows	5	x	4.00	x	4.00	=	80.00	sft
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Total 80.00 sft

- 15 providing and fixing iron grills as approved junction including with sunk iron screw design including weilding of all side at painting with two coat of red oxide.

SINO.28-27-1

Windows	5	x	5.00	x	5.00	=	125.00	sft
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125.00 sft

Conversion in Kg

125	x	3.5	Total	437.50	Kg
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- 16 providing and fixing GI wire guaze 22 guage (1.15 mm) and 144 mesh per sq .inch with first class deodar beading with one sq inch as approved design.

SINO.16-40-A

Windows	5	x	5.00	x	5.00	=	125.00	sft
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Total 125.00 sft

- 17 providing and fixing first class deodar wood deodar wood shutter fully panelled with same wood and fixed with approved brass hinges and tower bolts

SINO.16-7/A

Doors	2	x	3.50	x	7.00	=	49.00	sft
Doors	1	x	3.00	x	7.00	=	21.00	sft
Doors	2	x	2.50	x	7.00	=	35.00	sft

Total 105.00 sft

SANITARY FITTING AND WATER SUPPLY

- 18 Providing and fixing export quality glazed earthen ware wash basin manufactured by ICL Boch/Karam Cera or equivalent approved make with single hole chromium plated mixer tap 1/2" (15mm), pillar tap deluxe, stop cocks, C.I. or W.I. brackets 6" (150mm) built into walls 1.5" (40mm) C.P. brass waste with malleable iron or C.P. brass trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material

SINO.23-5

1	x	1	=	1	Nos
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Total 1 Nos

19	providing fixing stainless steel sink Pakistan made with C.I. or W.I brackets 6" built in wall, 1.5" (40 mm) rubber plug,C.P. brass chain, C.P. brass waste, pillar tap 2 way deluxe, 1.5" dia malleable iron or C.P. brass trap and unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material								
	SINO.23-8/a	1	x	1	=	1	Nos		
						1	Nos		
20	providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with screw.								
	SINO.23-15-1								
	Baths	1	x	1	x	1			
						1	sft		
21	Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.								
	SINO.23-2/a	1	x	2	=	2	Nos		
						2	Nos		
22	providing and fixing approved make plastic accessories.								
	SINO.23-30								
	Soap Dish	1	x	2	=	2	Nos		
						2	Nos		
23	Toilet paper Holder								
		1	x	2	=	2	Nos		
						2	Nos		
24	Towel Rod								
	SINO.23-30	1	x	3	=	3	Nos		
						3	Nos		
25	providing and fixing approved quality bib cock								
	SINO.23-34/B								
		1	x	2	=	2	Nos		
						2	Nos		
26	providing laying cutting jointing and disinfecting G.I Pipe lill make or equavilient.								
	SINO.23-52/Aii	1	x	210	=	210	Rft		
						210	Rft		
INTERNAL ELECTRIFICATION									
27	Light circuit concealed/open wiring with length upto 75 ft. (25m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings.								
	SINO.30-1	1	x	6	=	6	point		
						6	point		

28	Wiring of 5 Amps. socket outlet with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.								
	SINO.30-9	2	x	12	=	24	Rm		
				Total		24	Rm		
29	supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories.								
	SINO.30-87	1	x	4	=	4	point		
				Total		4	point		
30	fixing fan to ceiling								
	SINO.30-89/B	1	x	4	=	4	point		
				Total		4	point		
31	supply and installation 20" (500 mm) sweep revolving bracket fan with guard								
	SINO.30-114	1	x	2	Total	=	2	point	
						2	point		
32	Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.								
		1	x	2		2			
	SINO.30-113				Total	=	2	point	
33	Supply and install Energy Saver electric bulbs 25W Philips energy save								
		1	x	15		15			
	SINO.30-117/C				Total	=	15	point	
34	Providing and fixing LDPE overhead tank manufactured by Dura or equivalent on top of any floor louvers.								
	SINO.27-44	1	x	1		1			
					Total	=	1	Nos	
35	Supply and install Electric motors with pump including all								
36	accessories.								
	SINO.30-118/a				Total	=	1	point	
37	Supply and install 35 gallons electric geyser								
	SINO.30-123/a				Total	=	1	point	
38	R.C.C pipe with bell & spigot or tongued & grooved joint conforming to ASTM C-76 class II wall B or BS 3911 Part I class M including cost of reinforcement. 12" (300 mm) inner dia								
	SINO.25-1/bi	1	x	50		50			
					Total	=	50	Rft	
39	Providing manhole type 'A' size 24" x 18" (inside dimensions) as per approved design and specifications complete for								

depth with 16" dia. Concrete Cover fixed in
 4" thick RCC 1:2:4 slab (with 5 lbs per Cu.ft. or 80 kg/Cu.m of steel), burnt brick masonry walls 9" (225 mm) thick set in 1:3 cement sand mortar, 6" thick 1:3:6 cement concrete in foundation, 4" av. thickness 1:2:4 cement concrete in benching and 1/2" (13mm) thick cement sand plaster in 1:3 to all inside wall surfaces,

SINO.25-4/a

1 x

3

3

Total	=	3	Rft
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- 40 Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes confirming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings, connections and jointing material

SINO.27-46/av

1 x

100

100

Total	=	100	Rft
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Single room (16*14) with attached washroom (6*8) \$ attached Store (6*6)								
S.No	DESCRIPTION	Length (L)	Width (W)	Hieght (H)	QTY	UNIT	RATE	AMOUNT
1	Excavation							
	Excavation in hard soil or soft murum in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m)							
	single room+washroom \$ store	92	2.5	2	460			
					460	Cu.ft		
2	PCC (Lean Concrete)							
	Providing and laying 1:4:8 plain machine mixed cement concrete using sand approved source and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation and plinth including leveling, compacting & curing.							
	single room+washroom \$ store	92	2.5	0.250	57.50			
					57.50	Cu.ft		
3	Concrete block masonry							
	"Providing and laying concrete block masonry in cement sand mortar (1:4), using solid/hollow concrete blocks of approved quality and specified compressive strength (minimum 1000–1500 psi or as approved), including proper alignment, leveling, scaffolding, raking out joints, curing, complete in all respects at all levels as per drawings and specifications."							
	12" concrete block masonry	92	1.33	2	244.72			
					244.72	Cu.ft		
	8" concrete block masonry	92	0.67	10	616.4			
					616.4	Cu.ft		
4	Roofing							
	Providing and laying first class tile roof insulation comprising single layer of tiles 12"x6"x1 1/2" grouted with cement sand mortar 1:3 laid over 2.5" thick cement concrete 1:4:8 over glass wool /roof kool sheet wrapped in polythene sheet 300 gauge (0.03mm.) over a coat of PB-4 bitumen layer at the rate of 1.65 Kg./Sq.m.							
	single room+washroom \$ store				352			
					352	Sft		
5	Girders & T iron							
	Fabrication of heavy steel work with angle, tees, flat iron, round iron and sheet iron for making trusses, girders, tanks etc. including cutting, drilling riveting, handling, assembling and fixing but excluding erection in position as per directions of Engineer							
	Girders (9Nos)	14	5		630			
	T iron (24Nos)	24	0.623		179.424			
					809.424	kg		
6	Roof Screeding							
	Providing and laying 1:2:4 P.C.C roof screeding using crushed stone 3/4" (19mm) including formwork, consolidation, finishing and curing 3" (75mm) nominal thick P.C.C. roof screeding							
	single room+washroom \$ store				352			
					352	Sft		
7	Plaster							
	3/4 inch (19mm) thick cement plaster 1:3 using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.							
	single room interior/exterior				1474			
	attached washroom \$ Store interior/exterior				616			
					2090	Sft		
8	Floor Concrete							

	Providing and laying plain machine mixed 1:3:6 cement concrete using coarse sand and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation including levelling, compacting and curing.							
	single room	16	14	0.50	112			
	attached washroom \$ store	6	14	0.50	42			
					154	Cft		
9	Door Frame Installation							
	Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard conforming to B.S.S.1245, treated with special primer base paint all round, fitted with six fixing lugs, three steel hinges for fixing door shutters standard lock-strike plate, one sliding holt eye, and three rubber buffers, including cutting holes and making good damages to walls and filling the door frame cavity with lean cement mortar 1:4 as directed by the Engineer Incharge.							
	Room	7	3		17			
	washroom \$ Store	7	2.5		16.5			
					33.5	sft		
10	Door Installation							
	Providing and fixing 1.5" (38mm) thick pressed Teak wood, 5 Ply flushed with First class wood veneering on all faces and sides fixed over deodar wood cavited core and frame work of not less than 4" (100mm) wide strips all-round with approved brass hinges, tower bolts as required							
	Room	7	3		21			
	washroom	7	2.5		17.5			
					38.5	Sft		
11	Windows Installation							
	Providing and fixing hot dipped galvanized fully glazed double leaf hung steel windows and ventilators of approved section with Z-section 1.25" (32 mm) width at each edge including using approved brass sections oxidized fitting, iron lugs, cutting holes and making good the damages to walls.							
	Windows	6	4		48			
	washroom ventilators	2	1.5		3			
					51	Sft		
12	Ceiling Fans				1	Each		
13	Wiring							
	Concealed/open wiring from point to switch with length upto 30 ft. (10m) including any switch to switch wiring with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables							
					8	Point		
14	Distempering							
	Distempering with Berger, ICI or equivalent synthetic polyvinyl emulsion finish of approved shade in two or more coats over and including the cost of priming coat including preparation of surface viz. dusting, sandpapering or rubbing with pumice stone, filling cracks or holes, if any, removing blisters or other imperfections at any height and any floor. (@ at least 2.20 Liter per 10 Sq.m							
	single room interior	16	14	11	884			
	attached washroom store \$ interior	6	14	6	324			
					1208	Sft		
15	Weather Coat							

CONSTRUCTION OF BOUNDARY WALL 400 RFT FOR BHU HOOR GISHKOR DISTRICT AWARAN

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m lift up to 1.5m									
	3-21/Aiii									
	BOUNDARY WALL	1	1	400.00	2.50	2.50	2500.00	CFT		
	GATE COLUMNS FOOTING	1	3	3.00	3.00	3.00	81.00	CFT		
						Total=	2581.00	CFT		
2	Providing and laying cement concrate 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
	BOUNDARY WALL	1	1	400.00	2.50	0.25	250.00	CFT		
	GATE COLUMNS FOOTING	1	3	4.00	4.00	0.25	12.00	CFT		
						Total=	262.00	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcment for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such									
	5-44/A									
	Steel in Foundation									
	1/2" dia bars in found:	1	4	400.00	0.667	0.4536	725.76	KG		
	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
	1/2" dia bars in Col. C1	29	4	12.50	0.667	0.4536	438.70	KG		
	3/8" dia ring @ 9"c/c	29	15	3.75	0.375	0.4536	277.48	KG		
	1/2" dia bars in Col. C2	3	6	12.50	0.667	0.4536	68.07	KG		
	3/8" dia ring @ 9"c/c	3	15	6.50	0.375	0.4536	49.75	KG		
	Steel in Plinth Band									
	1/2" dia bars in found:	1	4	400.00	0.667	0.4536	484.08	KG		

	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
						Total=	2440.60	KG		
	WEIGHT IN TON						2.441	KG		
4	Providing and laying cement concrete 1:2:4 (1 cement 2 sand 4 crush) using crushed size 19mm (3/4") and down gauge in foundation bed including levelling , form work , compacting , curing , and removal of form work.									
	5-8-c									
	BOUNDRY WALL	1	1	400.00	2.00	0.75	600.00	CFT		
	GATE COLUMNS FOOTING	3	1	8.00	8.00	1.50	288.00	CFT		
						Total=	888.00	CFT		
5	Providing and laying plain hand mixed cement concrete using sand approved source and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation and plinth including									
	S.I NO 5-4/a									
	BOUNDRY WALL	1	1	400.00	1.50	1.50	900.00	CFT		
	GATE COLUMNS FOOTING	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step									
	BOUNDRY WALL	1	1	400.00	1.125	0.75	337.50	CFT		
	GATE COLUMNS FOOTING	3	1	2.50	1.125	2.00	16.88	CFT		
				Total=		(A)	1278.00	CFT		
	1st Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.125	0.75	18.35	CFT		
	COLUMNS C2	3	1	2.50	1.125	1.00	8.44	CFT		
				Total=		(B)	99.35	CFT		
	Net QUANTITY					(A -- B)	1178.65	CFT		
6	Providing and laying in Situ cement concrete 1 : 2 : 4 (1 cement 2 sand 4 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work									
	5-15/C									
	1st Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		

	2nd Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.13	1.00	24.47	CFT		
	COLUMNS C2	3	1	2.50	1.13	1.00	8.44	CFT		
						Total=	105.47	CFT		
7	Providing and laying 1:2:4 cement concrete using shingle or bajri 19mm and down gauge in plinth band, door band and roof band of required shape or section including formwork and its removal, compacting and curing in basement and ground floor but excluding the cost of reinforcement.									
	5-49/a									
	PLINTH BAND CONCRETE									
	BOUNDRY WALL	1	1	400.00	1.000	0.75	300.00	CFT		
	GATE COLUMNS FOOTING	3	1	1.50	1.50	0.75	5.06	CFT		
						Total=	305.06	CFT		
8	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) and down gauge in ground floor super-structure									
	S.I NO 9-7/Cii									
	Wall in super structure									
	BOUNDRY WALL	1	1	400.00	0.58	6.00	1392.00	CFT		
						Total=	1392.00	CFT		
					sub total A		1392.00	CFT		
	Ded: Columns C1	29	1	0.75	0.58	6.00	75.69	CFT		
					sub total B		75.69	CFT		
	NET QUANTITY				A-B		1316.31	CFT		
9	Providing and laying in Situ cement concrete 1:2:4 (1 cement 2 sand 3 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work									
	5-15-c									
	S. STRUCTURE COLUMNS CONCRETE									
	COLUMNS C1	29	1	0.75	0.58	6.00	75.69	CFT		
	COLUMNS C2	3	1	1.50	1.50	6.00	40.50	CFT		
						Total=	116.19	CFT		

11	19mm (3/4") thick cement plaster 1:4 cement mortar ratio on wall and columns in basement plinth and ground floor including making edges corner and curing.								
	15-4/iii								
	BOUNDRY WALL	1	2	400.00	7.00	5600.00	CFT		
					Total	5600.00	SFT		
12	Applying weather resistant paint coating such as ICI weather shield, Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10								
	17-69-1								
	SAME QTY OF PLASTER								
					Total	5600.00	SFT		
13	Providing and fixing steel grated double leaf Gate with locking arrangement, and angle iron (2" x 2" x .375") for frame, middle strip 6.4 mm (.25) thick gusset plate 75 mm x 75 mm (3" x 3") at each edge and 19 mm (.75) M.S square or round bars 5/8" or 6/8" dia at 100 mm (4) center to center including two coats of red oxide paint as per the direction of Engineer Incharge.								
	28-18-1								
	M. GATE	1	1	12.00	7.00	84.00	SFT		
	SIDE GATE	1	1	4.00	7.00	28.00	SFT		
					Total	112.00	SFT		
					4.3	112.00	487.20	SFT	
						487.20	SFT		
								TOTAL	

CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
						Total=	405.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	BOTOM SLAM	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		

						Total=	60.75	CFT		
5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls									
	S.I NO 5-22/B									
		1	1	33.50	0.75	7.00	175.88	CFT		
						Total	175.88	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/aiii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
						Total	268.00	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									

		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
						Total	33.50	Rft		
11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.									
	28-7/1									
		1	1	2.00		2.00	4.00	Sft		
						Total	4.00	Sft		
TOTAL										

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting bending, binding wastage and providing such overlap as are not shown on the drawings, the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		
5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.									
	S.I NO 9-2/ciii									

		1	2	7.57	0.66	7.00	69.95	CFT		
		1	2	13.50	0.66	7.00	124.74	CFT		
		1	2	6.00	0.66	7.00	55.44	CFT		
						Total	250.13	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	13.50	7.66	0.75	77.56	CFT		
							77.56	CFT		
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.									
	15-4/iii									
		1	1	2.00	21.32	6.00	255.84	Sft		
		1	1	4.00	7.66	6.00	183.84	Sft		
					Total		439.68	Sft		
9	Providing and fixing step iron or foot rest in manhole chambersincluding setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	1.00	1.00	each		
						Total	1.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	13-16/a									
		1	1	1.00		2.00	2.00	No		
					Total		2.00	No		
TOTAL										

AWARAN
GENERAL ABSTRACT

S NO.	DESCRIPTION OF WORK	AMOUNT
1	REPAIR & RENOVATION OF BHU JEBRI MASHKAY	
2	CONSTRUCTION OF BOUNDARY WALL 320 RFT	
3	CONSTRUCTION OF UNDER GROUND WATER TANK	
4	CONSTRUCTION OF SEPTIC TANK	

Total Rs. 6946320/-

Say Rs. 6.946 Million

DETAIL ESTIMATE FOR REPAIR AND RENOVATION OF BHU JEBRI MASHKAY DISTRICT AWARAN.

S.No	Description	No	L	B/H	Qty	Rate	Amounte
1	Scraping rubbing and cleaning of emulsion finish snowcem from wall and ceiling including removal of rubbish in all floors. (S.I No: 4-56)						
	CEILING						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 sft
	First Aid	1	x	12.50	x	6.00	= 75.00 sft
	Porch	1	x	17.00	x	10.00	= 170.00 sft
	Toilet	2	x	5.00	x	4.00	= 40.00 sft
		1	x	4.33	x	5.67	= 24.55 sft
	Walls						
	Office	1	2	x	16.25	x	11.50 = 373.75 sft
		1	2	x	12.50	x	11.50 = 287.50 sft
	Ward	1	2	x	16.00	x	11.50 = 368.00 sft
		1	2	x	12.00	x	11.50 = 276.00 sft
	First Aid	1	2	x	12.50	x	11.50 = 287.50 sft
		1	2	x	6.00	x	11.50 = 138.00 sft
	Porch	1	1	x	17.00	x	8.50 = 144.50 sft
	Porch	1	1	x	10.00	x	8.50 = 85.00 sft
	Beam	1	1	x	17.00	x	3.00 = 51.00 sft
		1	1	x	10.00	x	3.00 = 30.00 sft
	Columns	1	2	x	3.32	x	7.50 = 49.80 sft
	Toilets	1	2	x	5.00	x	9.50 = 95.00 sft
		1	2	x	4.00	x	9.50 = 76.00 sft
		1	1	x	4.33	x	9.50 = 41.14 sft
		1	2	x	5.66	x	9.50 = 107.54 sft
	Outer Side	1	1	x	71.75	x	13.50 = 968.63 sft
	Shade	1	1	x	117.66	x	1.50 = 176.49 sft
	Toilets	1	1	x	14.67	x	11.00 = 161.37 sft
		1	2	x	6.33	x	11.00 = 139.26 sft
		1	2	x	5.33	x	11.00 = 117.26 sft
					Total A		4678.41 sft
	Deuction						
	D	1	x	2	x	3.50	x 7.00 = 49.00 sft
	D1	1	x	1	x	3.00	x 7.00 = 21.00 sft
	D2	1	x	2	x	2.50	x 7.00 = 35.00 sft
	W	1	x	5	x	4.00	x 4.00 = 80.00 sft
	v	1	x	2	x	1.50	x 1.50 = 4.50 sft
					Total B		189.50 sft
	Net Quantity(A---B)	4678.41		189.50	Total		4488.91 sft
2	Removing door with chowkat						
	SINO.4-32/a						
	Main Building	1	x	2	x	3.50	x 7.00 = 49.00 sft
	Toilet Block	1	x	1	x	3.00	x 7.00 = 21.00 sft
		1	x	2	x	2.50	x 7.00 = 35.00 sft
					Total		105.00 sft
3	Removing Windows with chowkat						
	SINO.4-32/b						
	w	1	x	4	x	4.00	x 4.00 = 64.00 sft
	v	1	x	1	x	1.50	x 1.50 = 2.25 sft
					Total		66.25 sft
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes						
	SINO.4-19/a						
	Office	1	x	1	x	16.25	x 12.50 = 203.13 sft
	Ward	1	x	1	x	16.12	x 1.50 = 24.18 sft
	First Aid	1	x	1	x	12.50	x 6.00 = 75.00 sft
	Porch	1	x	1	x	17.00	x 10.00 = 170.00 sft
	Toilets & Bath	1	x	2	x	5.00	x 4.00 = 40.00 sft
	Wash Area	1	x	1	x	4.33	x 5.66 = 24.51 sft
					Total		536.81 sft
5	Providing and laying 1:2:4 cement concrete floor using crushed aggrgate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and						

SINO.14-2/bii										
Office	1	x	16.25	x	12.50		=	203.13	sft	
Ward	1	x	16.00	x	12.00	x	=	192.00	cft	
First Aid	1	x	12.50	x	6.00	x	=	75.00	cft	
Toilets	2	x	5.00	x	4.00	x	=	40.00	cft	
Wash Area	1	x	4.33	x	5.66	x	=	24.51	cft	
Total								534.63	sft	
6 Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard										
SINO.28-40/cii										
(3.5+3.5+7.5+7.5=25)	2	x	1.00	x		25.00	=	50.00	sft	
(3.0+3.0+7.5+7.5=21)	1	x	1.00	x		21.00	=	21.00	sft	
(2.5+2.5+7.5+7.5=25)	2	x	1.00	x		20.00	=	40.00	sft	
Total								111.00	sft	
7 Providing and laying super white 12"x12" marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.										
SINO.14-9/b										
Office	1	x	1	x	16.25	x	12.50	=	203.13	sft
Ward	1	x	1	x	16.00	x	12.00	=	192.00	sft
First Aid	1	x	1	x	12.50	x	6.00	=	75.00	sft
Porch	1	x	1	x	17.00	x	10.00	=	170.00	sft
Total								640.13	sft	
9 Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry of matching color, cleaning & curing.										
SINO.14-64/a										
Toilets & Bath	2	x	2	x	5.00	x	7.00	=	140.00	sft
	4	x	2	x	4.00	x	7.00	=	224.00	sft
Wash Area	1	x	1	x	4.33	x	7.00	=	30.31	sft
	1	x	2	x	5.66	x	7.00	=	79.24	sft
Total								473.55	sft	
10 Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing										
SINO.14-25/a										
Toilets & Bath Floor	1	x	2	x	5.00	x	4.00	=	40.00	sft
Wash Area	1	x	1	x	4.33	x	5.66	=	24.51	sft
Total								64.51	sft	
11 providing and laying Roof Screeding thick using 3/4 (19mm) including form work consolidating finishing and curing.										
SINO.14-68/b										
Main Building	1	x	33.33	x		27.00		899.91	sft	
Toilet Block	1	x	17.66	x		9.33		164.7678	sft	
Total								1064.6778	sft	
12 providing on old surface of wall with Bergerconcrete surfac including cleanding and ICI or equvalint on plastered rendered orsand preparing the surfac.										

SINO.17-33/b

Same Quantity of item no.1

4488.91 sft

Total 4488.9061

- 13 painting on old surface on wood work with Berger /ICI or equivalent super gloss sythetic ennal paint on wood work.

SINO.17-31

D	2	x	2	x	3.50	x	7.00	=	98.00	sft
D1	2	x	1	x	3.00	x	7.00	=	42.00	sft
D2	2	x	2	x	2.50	x	7.00	=	70.00	sft

Total 210.00 sft

- 14 Providing and fixing fully glazed single leaf hung/sliding aluminium windows, ventilators (Deluxe model - 1.6mm) of anodized champagne or approved color of Prime, Chawala, Pakistan Cable or any approved section as approved by Engineer incharge including aluminium fittings, 5 mm local tinted glass, lugs, cutting holes and making good the damages to walls.

SINO.28-24/1

Windows	5	x	4.00	x	4.00	=	80.00	sft
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Total 80.00 sft

- 15 providing and fixing iron grills as approved junction including with sunk iron screw design including weilding of all side at painting with two coat of red oxide.

SINO.28-27-1

Windows	5	x	5.00	x	5.00	=	125.00	sft
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125.00 sft

Conversion in Kg

125	x	3.5	Total	437.50	Kg
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- 16 providing and fixing GI wire guaze 22 guage (1.15 mm) and 144 mesh per sq .inch with first class deodar beading with one sq inch as approved design.

SINO.16-40-A

Windows	5	x	5.00	x	5.00	=	125.00	sft
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Total 125.00 sft

- 17 providing and fixing first class deodar wood deodar wood shutter fully panelled with same wood and fixed with approved brass hinges and tower bolts

SINO.16-7/A

Doors	2	x	3.50	x	7.00	=	49.00	sft
Doors	1	x	3.00	x	7.00	=	21.00	sft
Doors	2	x	2.50	x	7.00	=	35.00	sft

Total 105.00 sft

SANITARY FITTING AND WATER SUPPLY

- 18 Providing and fixing export quality glazed earthen ware wash basin manufactured by ICL Boch/Karam Cera or equivalent approved make with single hole chromium plated mixer tap 1/2" (15mm), pillar tap delux, stop cocks, C.I. or W.I. brackets 6" (150mm) built into walls 1.5" (40mm) C.P. brass waste with malleable iron or C.P. brass trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material

SINO.23-5

1	x	1	=	1	Nos
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Total 1 Nos

19	providing fixing stainless steel sink Pakistan made with C.I. or W.I brackets 6" built in wall, 1.5" (40 mm) rubber plug,C.P. brass chain, C.P. brass waste, pillar tap 2 way deluxe, 1.5" dia malleable iron or C.P. brass trap and unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material								
	SINO.23-8/a	1	x	1	=	1	Nos		
						1	Nos		
20	providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with screw.								
	SINO.23-15-1 Baths	1	x	1	x	1			
						1	sft		
21	Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.								
	SINO.23-2/a	1	x	2	=	2	Nos		
						2	Nos		
22	providing and fixing approved make plastic accessories.								
	SINO.23-30 Soap Dish	1	x	2	=	2	Nos		
						2	Nos		
23	Toilet paper Holder	1	x	2	=	2	Nos		
						2	Nos		
24	Towel Rod								
	SINO.23-30	1	x	3	=	3	Nos		
						3	Nos		
25	providing and fixing approved quality bib cock								
	SINO.23-34/B	1	x	2	=	2	Nos		
						2	Nos		
26	providing laying cutting jointing and disinfecting G.I Pipe lill make or equavilient.								
	SINO.23-52/Aii	1	x	210	=	210	Rft		
						210	Rft		
INTERNAL ELECTRIFICATION									
27	Light circuit concealed/open wiring with length upto 75 ft. (25m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings.								
	SINO.30-1	1	x	6	=	6	point		
						6	point		

depth with 16" dia. Concrete Cover fixed in
 4" thick RCC 1:2:4 slab (with 5 lbs per Cu.ft. or 80 kg/Cu.m of steel), burnt brick masonry walls 9" (225 mm) thick set in 1:3 cement sand mortar, 6" thick 1:3:6 cement concrete in foundation, 4" av. thickness 1:2:4 cement concrete in benching and 1/2" (13mm) thick cement sand plaster in 1:3 to all inside wall surfaces,

SINO.25-4/a

1 x

3

3

Total	=	3	Rft
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- 40 Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes confirming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings, connnections and jointing material

SINO.27-46/av

1 x

100

100

Total	=	100	Rft
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CONSTRUCTION OF BOUNDARY WALL 320 RFT FOR BHU JEBRI MASHKAY DISTRICT AWARAN
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COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with excavated earth watering and ramming lead up to 30 m lift up to 1.5m									
	3-21/Aiii									
	BOUNDARY WALL	1	1	320.00	2.50	2.50	2000.00	CFT		
	GATE COLUMNS FOOTING	1	3	3.00	3.00	3.00	81.00	CFT		
					Total=		2081.00	CFT		
2	Providing and laying cement concrate 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
	BOUNDARY WALL	1	1	320.00	2.50	0.25	200.00	CFT		
	GATE COLUMNS FOOTING	1	3	4.00	4.00	0.25	12.00	CFT		
						Total=	212.00	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such									
	5-44/A									
	Steel in Foundation									
	1/2" dia bars in found:	1	4	320.00	0.667	0.4536	580.61	KG		
	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
	1/2" dia bars in Col. C1	29	4	12.50	0.667	0.4536	438.70	KG		
	3/8" dia ring @ 9"c/c	29	15	3.75	0.375	0.4536	277.48	KG		
	1/2" dia bars in Col. C2	3	6	12.50	0.667	0.4536	68.07	KG		
	3/8" dia ring @ 9"c/c	3	15	6.50	0.375	0.4536	49.75	KG		
	Steel in Plinth Band									
	1/2" dia bars in found:	1	4	320.00	0.667	0.4536	387.27	KG		

	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
						Total=	2198.63	KG		
	WEIGHT IN TON						2.199	KG		
4	Providing and laying cement concrete 1:2:4 (1 cement 2 sand 4 crush) using crushed size 19mm (3/4") and down gauge in foundation bed including levelling , form work , compacting , curing , and removal of form work.									
	5-8-c									
	BOUNDRY WALL	1	1	320.00	2.00	0.75	480.00	CFT		
	GATE COLUMNS FOOTING	3	1	8.00	8.00	1.50	288.00	CFT		
						Total=	768.00	CFT		
5	Providing and laying plain hand mixed cement concrete using sand approved source and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation and plinth including									
	S.I NO 5-4/a									
	BOUNDRY WALL	1	1	320.00	1.50	1.50	720.00	CFT		
	GATE COLUMNS FOOTING	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step									
	BOUNDRY WALL	1	1	320.00	1.125	0.75	270.00	CFT		
	GATE COLUMNS FOOTING	3	1	2.50	1.125	2.00	16.88	CFT		
				Total=		(A)	1030.50	CFT		
	1st Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.125	0.75	18.35	CFT		
	COLUMNS C2	3	1	2.50	1.125	1.00	8.44	CFT		
				Total=		(B)	99.35	CFT		
	Net QUANTITY					(A -- B)	931.15	CFT		
6	Providing and laying in Situ cement concrete 1 : 2 : 4 (1 cement 2 sand 4 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work									
	5-15/C									
	1st Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		

	2nd Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.13	1.00	24.47	CFT		
	COLUMNS C2	3	1	2.50	1.13	1.00	8.44	CFT		
						Total=	105.47	CFT		
7	Providing and laying 1:2:4 cement concrete using shingle or bajri 19mm and down gauge in plinth band, door band and roof band of required shape or section including formwork and its removal, compacting and curing in basement and ground floor but excluding the cost of reinforcement.									
	5-49/a									
	PLINTH BAND CONCRETE									
	BOUNDRY WALL	1	1	320.00	1.000	0.75	240.00	CFT		
	GATE COLUMNS FOOTING	3	1	1.50	1.50	0.75	5.06	CFT		
						Total=	245.06	CFT		
8	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) and down gauge in ground floor super-structure									
	S.I NO 9-7/Cii									
	Wall in super structure									
	BOUNDRY WALL	1	1	320.00	0.58	6.00	1113.60	CFT		
						Total=	1113.60	CFT		
						sub total A	1113.60	CFT		
	Ded: Columns C1	29	1	0.75	0.58	6.00	75.69	CFT		
						sub total B	75.69	CFT		
	NET QUANTITY					A-B	1037.91	CFT		
9	Providing and laying in Situ cement concrete 1:2:4 (1 cement 2 sand 3 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work									
	5-15-c									
	S. STRUCTURE COLUMNS CONCRETE									
	COLUMNS C1	29	1	0.75	0.58	6.00	75.69	CFT		
	COLUMNS C2	3	1	1.50	1.50	6.00	40.50	CFT		
						Total=	116.19	CFT		

11	19mm (3/4") thick cement plaster 1:4 cement mortar ratio on wall and columns in basement plinth and ground floor including making edges corner and curing.								
	15-4/iii								
	BOUNDRY WALL	1	2	320.00	7.00	4480.00	CFT		
					Total	4480.00	SFT		
12	Applying weather resistant paint coating such as ICI weather shield, Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10								
	17-69-1								
	SAME QTY OF PLASTER								
					Total	4480.00	SFT		
13	Providing and fixing steel grated double leaf Gate with locking arrangement, and angle iron (2" x 2" x .375") for frame, middle strip 6.4 mm (.25) thick gusset plate 75 mm x 75 mm (3" x 3") at each edge and 19 mm (.75) M.S square or round bars 5/8" or 6/8" dia at 100 mm (4) center to center including two coats of red oxide paint as per the direction of Engineer Incharge.								
	28-18-1								
	M. GATE	1	1	12.00	7.00	84.00	SFT		
	SIDE GATE	1	1	4.00	7.00	28.00	SFT		
					Total	112.00	SFT		
					4.3	112.00	487.20	SFT	
						487.20	SFT		
								TOTAL	

CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
						Total=	405.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	BOTOM SLAM	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		

						Total=	60.75	CFT		
5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls									
	S.I NO 5-22/B									
		1	1	33.50	0.75	7.00	175.88	CFT		
						Total	175.88	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/aiii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
						Total	268.00	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									

		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
					Total	33.50	33.50	Rft		
11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.									
	28-7/1									
		1	1	2.00		2.00	4.00	Sft		
					Total	4.00	4.00	Sft		
TOTAL										

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		
5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.									
	S.I NO 9-2/ciii									

		1	2	7.57	0.66	7.00	69.95	CFT		
		1	2	13.50	0.66	7.00	124.74	CFT		
		1	2	6.00	0.66	7.00	55.44	CFT		
						Total	250.13	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	13.50	7.66	0.75	77.56	CFT		
							77.56	CFT		
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.									
	15-4/iii									
		1	1	2.00	21.32	6.00	255.84	Sft		
		1	1	4.00	7.66	6.00	183.84	Sft		
					Total		439.68	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	1.00	1.00	each		
						Total	1.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	13-16/a									
		1	1	1.00		2.00	2.00	No		
					Total		2.00	No		
TOTAL										

AWARAN
GENERAL ABSTRACT

S NO.	DESCRIPTION OF WORK	AMOUNT
1	CONSTRUCTION OF BOUNDARY WALL 300 RFT	
2	CONSTRUCTION OF UNDER GROUND WATER TANK	
3	CONSTRUCTION OF SEPTIC TANK	

Total Rs. 4479267/-

Say Rs. 4.479 Million

CONSTRUCTION OF BOUNDRY WALL 300 RFT FOR BHU KAHENZELAG DISTRICT AWARAN

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with excavated earth watering and ramming lead up to 30 m lift up to 1.5m									
	3-21/Aiii									
	BOUNDRY WALL	1	1	300.00	2.50	2.50	1875.00	CFT		
	GATE COLUMNS FOOTING	1	3	3.00	3.00	3.00	81.00	CFT		
					Total=		1956.00	CFT		
2	Providing and laying cement concrate 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
	BOUNDRY WALL	1	1	300.00	2.50	0.25	187.50	CFT		
	GATE COLUMNS FOOTING	1	3	4.00	4.00	0.25	12.00	CFT		
					Total=		199.50	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such									
	5-44/A									
	Steel in Foundation									
	1/2" dia bars in found:	1	4	300.00	0.667	0.4536	544.32	KG		
	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
	1/2" dia bars in Col. C1	29	4	12.50	0.667	0.4536	438.70	KG		
	3/8" dia ring @ 9"c/c	29	15	3.75	0.375	0.4536	277.48	KG		
	1/2" dia bars in Col. C2	3	6	12.50	0.667	0.4536	68.07	KG		
	3/8" dia ring @ 9"c/c	3	15	6.50	0.375	0.4536	49.75	KG		
	Steel in Plinth Band									
	1/2" dia bars in found:	1	4	300.00	0.667	0.4536	363.06	KG		

	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
						Total=	2138.14	KG		
	WEIGHT IN TON						2.138	KG		
4	Providing and laying cement concrete 1:2:4 (1 cement 2 sand 4 crush) using crushed size 19mm (3/4") and down gauge in foundation bed including levelling , form work , compacting , curing , and removal of form work.									
	5-8-c									
	BOUNDRY WALL	1	1	300.00	2.00	0.75	450.00	CFT		
	GATE COLUMNS FOOTING	3	1	8.00	8.00	1.50	288.00	CFT		
						Total=	738.00	CFT		
5	Providing and laying plain hand mixed cement concrete using sand approved source and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation and plinth including									
	S.I NO 5-4/a									
	BOUNDRY WALL	1	1	300.00	1.50	1.50	675.00	CFT		
	GATE COLUMNS FOOTING	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step									
	BOUNDRY WALL	1	1	300.00	1.125	0.75	253.13	CFT		
	GATE COLUMNS FOOTING	3	1	2.50	1.125	2.00	16.88	CFT		
				Total=		(A)	968.63	CFT		
	1st Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.125	0.75	18.35	CFT		
	COLUMNS C2	3	1	2.50	1.125	1.00	8.44	CFT		
				Total=		(B)	99.35	CFT		
	Net QUANTITY					(A -- B)	869.27	CFT		
6	Providing and laying in Situ cement concrete 1 : 2 : 4 (1 cement 2 sand 4 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work									
	5-15/C									
	1st Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		

	2nd Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.13	1.00	24.47	CFT		
	COLUMNS C2	3	1	2.50	1.13	1.00	8.44	CFT		
						Total=	105.47	CFT		
7	Providing and laying 1:2:4 cement concrete using shingle or bajri 19mm and down gauge in plinth band, door band and roof band of required shape or section including formwork and its removal, compacting and curing in basement and ground floor but excluding the cost of reinforcement.									
	5-49/a									
	PLINTH BAND CONCRETE									
	BOUNDRY WALL	1	1	300.00	1.000	0.75	225.00	CFT		
	GATE COLUMNS FOOTING	3	1	1.50	1.50	0.75	5.06	CFT		
						Total=	230.06	CFT		
8	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) and down gauge in ground floor super-structure									
	S.I NO 9-7/Cii									
	Wall in super structure									
	BOUNDRY WALL	1	1	300.00	0.58	6.00	1044.00	CFT		
						Total=	1044.00	CFT		
						sub total A	1044.00	CFT		
	Ded: Columns C1	29	1	0.75	0.58	6.00	75.69	CFT		
						sub total B	75.69	CFT		
	NET QUANTITY					A-B	968.31	CFT		

9	Providing and laying in Situ cement concrete 1:2:4 (1 cement 2 sand 3 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work								
5-15-c									
	S. STRUCTURE COLUMNS CONCRETE								
	COLUMNS C1	29	1	0.75	0.58	6.00	75.69	CFT	
	COLUMNS C2	3	1	1.50	1.50	6.00	40.50	CFT	
						Total=	116.19	CFT	
11	19mm (3/4") thick cement plaster 1:4 cement mortar ratio on wall and columns in basement plinth and ground floor including making edges corner and curing.								
15-4/iii									
	BOUNDRY WALL	1	2	300.00		7.00	4200.00	CFT	
						Total	4200.00	SFT	
12	Applying weather resistant paint coating such as ICI weather shield, Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10								
	17-69-1								
	SAME QTY OF PLASTER								
						Total	4200.00	SFT	
13	Providing and fixing steel grated double leaf Gate with locking arrangement, and angle iron (2" x 2" x .375") for frame, middle strip 6.4 mm (.25) thick gusset plate 75 mm x 75 mm (3" x 3") at each edge and 19 mm (.75) M.S square or round bars 5/8" or 6/8" dia at 100 mm (4) center to center including two coats of red oxide paint as per the direction of Engineer Incharge.								
28-18-1									
	M. GATE	1	1	12.00	7.00		84.00	SFT	
	SIDE GATE	1	1	4.00	7.00		28.00	SFT	
						Total	112.00	SFT	
					4.3	112.00	487.20	SFT	
							487.20	SFT	
								TOTAL	

CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
						Total=	405.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	BOTTOM SLAM	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		
						Total=	60.75	CFT		

5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls									
	S.I NO 5-22/B									
		1	1	33.50	0.75	7.00	175.88	CFT		
						Total	175.88	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/a/iii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
						Total	268.00	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		

10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.								
	5-38/c								
		1	1	1.00		33.50	33.50	Rft	
					Total	33.50	Rft		
11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.								
	28-7/1								
		1	1	2.00		2.00	4.00	Sft	
					Total	4.00	Sft		
TOTAL									

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting bending, binding wastage and providing such overlap as are not shown on the drawings, the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		
5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.									
	S.I NO 9-2/ciii									

		1	2	7.57	0.66	7.00	69.95	CFT		
		1	2	13.50	0.66	7.00	124.74	CFT		
		1	2	6.00	0.66	7.00	55.44	CFT		
						Total	250.13	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	13.50	7.66	0.75	77.56	CFT		
							77.56	CFT		
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.									
	15-4/iii									
		1	1	2.00	21.32	6.00	255.84	Sft		
		1	1	4.00	7.66	6.00	183.84	Sft		
					Total		439.68	Sft		
9	Providing and fixing step iron or foot rest in manhole chambersincluding setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	1.00	1.00	each		
						Total	1.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	13-16/a									
		1	1	1.00		2.00	2.00	No		
					Total		2.00	No		
TOTAL										

REPAIR AND RENOVATION OF BHU KALATO DISTRICT AWARAN
GENERAL ABSTRACT

<i>S NO.</i>	<i>DESCRIPTION OF WORK</i>	<i>AMOUNT</i>
1	REPAIR AND RENOVATION OF BHU KALATO DISTRICT AWARAN	
3	CONSTRUCTION OF UNDER GROUND WATER TANK	
4	WATER BORE	
5	CONSTRUCTION OF SEPTIC TANK	
6	ROOM ADDITION	

Total Rs. 8723271/-

Say Rs. 8.723 Million

REPAIR AND RENOVATION OF BHU KALATO DISTRICT AWARAN

S.No	Description	No	L	B/H	Qty	Rate	Amounte
1	Scraping rubbing and cleaning of emulsion finish snowcem from wall and ceiling including removal of rubbish in all floors. (S.I No: 4-56)				0		
	CEILLING						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 sft
	First Aid	1	x	12.50	x	6.00	= 75.00 sft
	Porch	1	x	17.00	x	10.00	= 170.00 sft
	Toilet	2	x	5.00	x	4.00	= 40.00 sft
		1	x	4.33	x	5.67	= 24.55 sft
	Walls						
	Office	1	2	x	16.25	x	11.50 = 373.75 sft
		1	2	x	12.50	x	11.50 = 287.50 sft
	Ward	1	2	x	16.00	x	11.50 = 368.00 sft
		1	2	x	12.00	x	11.50 = 276.00 sft
	First Aid	1	2	x	12.50	x	11.50 = 287.50 sft
		1	2	x	6.00	x	11.50 = 138.00 sft
	Porch	1	1	x	17.00	x	8.50 = 144.50 sft
	Porch	1	1	x	10.00	x	8.50 = 85.00 sft
	Beam	1	1	x	17.00	x	3.00 = 51.00 sft
		1	1	x	10.00	x	3.00 = 30.00 sft
	Columns	1	2	x	3.32	x	7.50 = 49.80 sft
	Toilets	1	2	x	5.00	x	9.50 = 95.00 sft
		1	2	x	4.00	x	9.50 = 76.00 sft
		1	1	x	4.33	x	9.50 = 41.14 sft
		1	2	x	5.66	x	9.50 = 107.54 sft
	Outer Side	1	1	x	71.75	x	13.50 = 968.63 sft
	Shade	1	1	x	117.66	x	1.50 = 176.49 sft
	Toilets	1	1	x	14.67	x	11.00 = 161.37 sft
		1	2	x	6.33	x	11.00 = 139.26 sft
		1	2	x	5.33	x	11.00 = 117.26 sft
					Total A		4678.41 sft
	Deuction						
	D	1	x	2	x	3.50 x 7.00	= 49.00 sft
	D1	1	x	1	x	3.00 x 7.00	= 21.00 sft
	D2	1	x	2	x	2.50 x 7.00	= 35.00 sft
	W	1	x	5	x	4.00 x 4.00	= 80.00 sft
	v	1	x	2	x	1.50 x 1.50	= 4.50 sft
					Total B		189.50 sft
	Net Quantity(A---B)			4678.41	189.50	Total	4488.91 sft
2	Removing door with chowkat SINO.4-32/a						
	Main Building	1	x	2	x	3.50 x 7.00	= 49.00 sft
	Toilet Block	1	x	1	x	3.00 x 7.00	= 21.00 sft
		1	x	2	x	2.50 x 7.00	= 35.00 sft
					Total		105.00 sft
3	Removing Windows with chowkat SINO.4-32/b						
	w	1	x	4	x	4.00 x 4.00	= 64.00 sft
	v	1	x	1	x	1.50 x 1.50	= 2.25 sft
					Total		66.25 sft
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes SINO.4-19/a						
	Office	1	x	1	x	16.25 x 12.50	= 203.13 sft
	Ward	1	x	1	x	16.12 x 1.50	= 24.18 sft
	First Aid	1	x	1	x	12.50 x 6.00	= 75.00 sft
	Porch	1	x	1	x	17.00 x 10.00	= 170.00 sft
	Toilets & Bath	1	x	2	x	5.00 x 4.00	= 40.00 sft
	Wash Area	1	x	1	x	4.33 x 5.66	= 24.51 sft
					Total		536.81 sft
5	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing. SINO.14-2/bii						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 cft
	First Aid	1	x	12.50	x	6.00	= 75.00 cft
	Toilets	2	x	5.00	x	4.00	= 40.00 cft
	Wash Area	1	x	4.33	x	5.66	= 24.51 cft
					Total		534.63 sft
6	Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made byShahah Industries or equivalent standard SINO.28-40/cii (3.5+3.5+7.5+7.5=25) (3.0+3.0+7.5+7.5=21) (2.5+2.5+7.5+7.5=25)						
		2	x	1.00	x	25.00	= 50.00 sft
		1	x	1.00	x	21.00	= 21.00 sft
		2	x	1.00	x	20.00	= 40.00 sft
					Total		111.00 sft

7	providing and laying super white 12"x12" marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.									
	SINO.14-9/b									
	Office	1	x	1	x	16.25	x	12.50	=	203.13 sft
	Ward	1	x	1	x	16.00	x	12.00	=	192.00 sft
	First Aid	1	x	1	x	12.50	x	6.00	=	75.00 sft
	Porch	1	x	1	x	17.00	x	10.00	=	170.00 sft
						Total				640.13 sft
9	Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry of matching color, cleaning & curing.									
	SINO.14-64/a									
	Toilets & Bath	2	x	2	x	5.00	x	7.00	=	140.00 sft
		4	x	2	x	4.00	x	7.00	=	224.00 sft
	Wash Area	1	x	1	x	4.33	x	7.00	=	30.31 sft
						Total				394.31 sft
	Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing									
10	SINO.14-25/a									
	Toilets & Bath Floor	1	x	2	x	5.00	x	4.00	=	40.00 sft
	Wash Area	1	x	1	x	4.33	x	5.66	=	24.51 sft
						Total				64.51 sft
	providing and laying Roof Screeding thick using 3/4 (19mm) including form work consolidating finishing and curring.									
11	SINO.14-68/b									
	Main Building	1	x	33.33	x			27.00		899.91 sft
	Toilet Block	1	x	17.66	x			9.33		164.7678 sft
	providing on old surface of wall with Bergerconcrete surfac including cleanding and ICI or equvalint on plastered rendered orsand preparing the surfac.							Total		1064.6778 sft
	Same Quantity of item no.1									4488.91 sft
						Total				4488.9061
13	painting on old surface on wood work withBerger /ICI or equivalent super gloss syenthetic enmal paint on wood work.									
	SINO.17-31									
	D1	2	x	2	x	3.50	x	7.00	=	98.00 sft
	D2	2	x	1	x	3.00	x	7.00	=	42.00 sft
		2	x	2	x	2.50	x	7.00	=	70.00 sft
						Total				210.00 sft
14	Providing and fixing fully glazed single leaf hung/sliding aluminium windows, ventilators (Deluxe model - 1.6mm) of anodized champagne or approved color of Prime, Chawala,									
	SINO.28-24/1									
	Windows	5	x	4.00	x			4.00	=	80.00 sft
						Total				80.00 sft
15	providing and fixing iron grills as approvedjunction including with sunk									

iron screwdesign including welding of all side at painting with two coat of red oxide.

Windows	5	x	5.00	x	5.00	=	125.00	sft
Conversion in Kg	125	x	3.5	Total			125.00	sft
Applying weather resistant paint coating such as ICI weather							437.50	Kg

12	17-69-1									
	SAME QTY OF PLASTER									
	Providing and fixing steel grated double leaf Gate with locking						4480.00	SFT		
13	28-18-1									
	M. GATE	1	1	###	7.00		84.00	SFT		
	SIDE GATE	1	1	###	7.00		28.00	SFT		
					Total		112.00	SFT		
					4.3	112.00	487.20	SFT		
							487.20	SFT		

providing and fixing GI wire guaze 22 guage(1.15 mm) and 144 mesh per sq .inch withfirst class deodar beading with one sq inchas approved design.

SINO.16-40-A	5	x	5.00	x	5.00	=	125.00	sft
Windows					Total		125.00	sft

providing and fixing first class deodar wooddeodar wood shutter fully panelled with same wood and fixed with approved brass hinges and tower bolts

SINO.16-7/A	2	x			3.50	x	7.00	=	49.00	sft
Doors	1	x			3.00	x	7.00	=	21.00	sft
Doors	2	x			2.50	x	7.00	=	35.00	sft
					Total				105.00	sft

SANITARY FITTING AND WATER SUPPLY

Providing and fixing export quality glazed earthen ware wash basin manufactured by ICL Boch/Karam Cera or equivalent approved make with single hole chromium plated mixer tap 1/2" (15mm), pillar tap delux, stop cocks, C.I. or W.I. brackets 6" (150mm) built into walls 1.5" (40mm) C.P. brass waste with malleable iron or C.P. brass trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material

18	SINO.23-5	1	x		1	=	1	Nos
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Total	1	Nos
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providing fixing stainless steel sink Pakistan made with C.I. or W.I brackets 6" built in wall, 1.5" (40 mm) rubber plug,C.P. brass chain, C.P. brass waste, pillar tap 2 way delux, 1.5" dia malleable iron or C.P. brass trap and unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material

19	SINO.23-8/a	1	x	1	=	1	Nos
						1	Nos
20	providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with screw. SINO.23-15-1						
	Baths	1	x	1	x	1	sft
21	Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved SINO.23-2/a	1	x	2	=	2	Nos
22	providing and fixing approved make plastic accessories. SINO.23-30 Soap Dish	1	x	2	=	2	Nos
23	Toilet paper Holder	1	x	2	=	2	Nos
24	Towel Rod SINO.23-30	1	x	3	=	3	Nos
25	providing and fixing approved quality bib cock SINO.23-34/B	1	x	2	=	2	Nos
26	providing laying cutting jointing and disinfecting G.I Pipe lill make or equavilient. SINO.23-52/Aii	1	x	210	=	210	Rft
INTERNAL ELECTRIFICATION							
27	Light circuit concealed/open wiring with length upto 75 ft. (25m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings. SINO.30-1	1	x	6	=	6	point
28	Wiring of 5 Amps. socket outlet with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc. SINO.30-9	2	x	12	=	24	Rm

29	SINO.30-87	1	x	4	=	4	point
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30	fixing fan to ceiling SINO.30-89/B	1	x	4	=	4	point
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Total	4	point
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31 SINO.30-114

1	x	2	Total	=	2	point
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	2	point
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32

$$1 \quad x \quad 2 \quad \underline{\hspace{10em}} \quad 2$$

Total	=	2	point
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33

1	x	15	15
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Total	=	15	point
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34

$$1 \quad x \quad 1 \quad \underline{\hspace{10em}} \quad 1$$

Total	=	1	Nos
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35

$$1 \quad x \quad 1 \quad 1$$

37

$$1 \quad x \quad 1 \quad 1$$

38

SINO.25-1/bi

1	x	50	50
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Total	=	50	Rft
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39

SINO.25-4/a

$$1 \quad x \quad 3 \quad 3$$

Total	=	3	Rft
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40

SINO.27-46/av

1	x	100	100
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	Total	n	100	Dff
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Single room (16*14) with attached washroom (6*8) \$ attached Store (6*6)								
S.No	DESCRIPTION	Length (L)	Width (W)	Hieght (H)	QTY	UNIT	RATE	AMOUNT
1	Excavation							
	Excavation in hard soil or soft murum in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m)							
	single room+washrrom \$ store	92	2.5	2	460			
					460	Cu.ft		
2	PCC (Lean Concrete)							
	Providing and laying 1:4:8 plain machine mixed cement concrete using sand approved source and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation and plinth including leveling, compacting & curing.							
	single room+washrrom \$ store	92	2.5	0.250	57.50			
					57.50	Cu.ft		
3	Concrete block masonry							
	"Providing and laying concrete block masonry in cement sand mortar (1:4), using solid/hollow concrete blocks of approved quality and specified compressive strength (minimum 1000–1500 psi or as approved), including proper alignment, leveling, scaffolding, raking out joints, curing, complete in all respects at all levels as per drawings and specifications."							
	12" concrete block masonry	92	1.33	2	244.72			
					244.72	Cu.ft		
	8" concrete block masonry	92	0.67	10	616.4			
					616.4	Cu.ft		
4	Roofing							
	Providing and laying first class tile roof insulation comprising single layer of tiles 12"x6"x1 1/2" grouted with cement sand mortar 1:3 laid over 2.5" thick cement concrete 1:4:8 over glass wool /roof kool sheet wrapped in polythene sheet 300 gauge (0.03mm.) over a coat of PB-4 bitumen layer at the rate of 1.65 Kg./Sq.m.							
	single room+washroom \$ store				352			
					352	Sft		
5	Girders & T iron							
	Fabrication of heavy steel work with angle, tees, flat iron, round iron and sheet iron for making trusses, girders, tanks etc. including cutting, drilling riveting, handling, assembling and fixing but excluding erection in position as per directions of Engineer							
	Girders (9Nos)	14	5		630			
	T iron (24Nos)	24	0.623		179.424			
					809.424	kg		
6	Roof Screeding							
	Providing and laying 1:2:4 P.C.C roof screeding using crushed stone 3/4" (19mm) including formwork, consolidation, finishing and curing 3" (75mm) nominal thick P.C.C. roof screeding							
	single room+washrrom \$ store				352			
					352	Sft		
7	Plaster							

	3/4 inch (19mm) thick cement plaster 1:3 using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.							
	single room interior/exterior				1474			
	attached washroom \$ Store interior/exterior				616			
					2090	Sft		
8	Floor Concrete							
	Providing and laying plain machine mixed 1:3:6 cement concrete using coarse sand and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation including levelling, compacting and curing.							
	single room	16	14	0.50	112			
	attached washroom \$ store	6	14	0.50	42			
					154	Cft		
9	Door Frame Installation							
	Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard conforming to B.S.S.1245, treated with special primer base paint all round, fitted with six fixing lugs, three steel hinges for fixing door shutters standard lock-strike plate, one sliding holt eye, and three rubber buffers, including cutting holes and making good damages to walls and filling the door frame cavity with lean cement mortar 1:4 as directed by the Engineer Incharge.							
	Room	7	3		17			
	washroom \$ Store	7	2.5		16.5			
					33.5	sft		
10	Door Installation							
	Providing and fixing 1.5" (38mm) thick pressed Teak wood, 5 Ply flushed with First class wood veneering on all faces and sides fixed over deodar wood cavited core and frame work of not less than 4" (100mm) wide strips all-round with approved brass hinges, tower bolts as required							
	Room	7	3		21			
	washroom	7	2.5		17.5			
					38.5	Sft		
11	Windows Installation							
	Providing and fixing hot dipped galvanized fully glazed double leaf hung steel windows and ventilators of approved section with Z-section 1.25" (32 mm) width at each edge including using approved brass sections oxidized fitting, iron lugs, cutting holes and making good the damages to walls.							
	Windows	6	4		48			
	washroom ventilators	2	1.5		3			
					51	Sft		
12	Ceiling Fans				1	Each		
13	Wiring							
	Concealed/open wiring from point to switch with length upto 30 ft. (10m) including any switch to switch wiring with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables							
					8	Point		
14	Distempering							

	Distempering with Berger, ICI or equivalent synthetic polyvinyl emulsion finish of approved shade in two or more coats over and including the cost of priming coat including preparation of surface viz. dusting, sandpapering or rubbing with pumice stone, filling cracks or holes, if any, removing blisters or other imperfections at any height and any floor. (@ at least 2.20 Liter per 10 Sq.m							
	single room interior	16	14	11	884			
	attached washroom store \$ interior	6	14	6	324			
					1208	Sft		
15	Weather Coat							
	Applying weather resistant paint coating (Three coats (@ at least 3.00 Liter per 10 Sq.m) such as ICI/ Berger or equivalent paint of approved shade on old surface of walls and ceiling including dusting, sand papering and cleaning, scaffolding and removal of debris.							
	single room+washroom	77		12	924			
					924	Sft		
10	Tilling							
	Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing.							
	Room floor and Walls upto 4ft	16	14	4	464			
	washroom \$ Store	6	14	6	324			
					788	Sft		
11	LDPE Water Tank							
	Providing and fixing LDPE overhead tank 300 gallon capacity double ply, blue/white manufactured by Marjan, Master or equivalent on top of any floor							
					1	Each		
12	PPRC Pipes							
	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes confirming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings, connections and jointing material							
					50	ft.		
13	Wash Basins							
	Providing and fixing approved quality fixtures Wash basin 24" (610 mm) ICL Futura make							
					1	No.		
14	Water Closet							
	Providing and fixing white English/indian W.C with glazed earthen ware 4"(100mm) trap squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC downpipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.							
					1	Each		
15	UPVC sewerage pipes							

	Providing and Installing uPVC pipe class b having 4"(100mm inner dia) IIL, Dadex or equivalent make registered with PSQCA in sewer lines and/or laying, cutting, jointing, testing including all specials in pipe lines in trenches.							
					40	Rft		
16	Soak Pit							
	Providing and Construction of Soak Pit having diameter 3' with depth 10' , inner filled with Brick ballast/stone ballast having RCC top , complete in all respects as per drawings and as per direction of Engineer.							
					1	No		
17	Washroom Assories set				1	each		
	Total Amount							-
	8%BRA							-
	Grand Total Amount (Inclusive of: All Taxes, Labour cost & Transportation charges)							-

DETAILED ESITAMTE FOR THE BORE , LEVLLING TUFF TILE

S.NO	ITEM OF WORK	QTY:	REATE	UNIT	AMOUNT
1	Mobilization of Drilling accessories to site of work (N.S.R).				
		Total:	@	Rs	1.00 Job P.Job
2	Digging of pits for Boring Liquid (N.S.R).				
		Total:	@	Rs	1.00 Job P.Job
3	Drilling of bore in all types of soil except shingle, gravel and rock. (SI.No 27-5/a-i-p/27-229).				
		Total:	@	Rs	250.00 feet P.feet
4	Digging of bore exeeding 250ft depth below ground level (S.I.No 27-5bi/27-229).				
		Total:	@	Rs	50.00 feet P.feet
5	Supply of PVC blind pipe of approved make registered with PSQCSA in tubewell bore hole (S.I.No 27-48/dvip/27-248).				
		Total:	@	Rs	180.00 feet P.feet
6	Supply of PVC strainer in tubewell bore hole including sockets and solvent (NSR).				
		Total:	@	Rs	120.00 feet P.feet
7	Installing uPVC blind pipe ILL, Dadex or equivalent make registered with PSQCA in tubewell bore hole and/or laying, cutting, jointing and testing uPVC pipe lines in trenches. (S.I.No 27-49/D-vi-p-27-251).				
		Total:	@	Rs	300.00 feet P.feet

8	Providing and installing M.S bail plug of approved make registered with PSQCA. (S.I.No 27-12/ip/27-231).	Total: @ Rs 1.00 feet P.feet
9	shrouding and installing with graded pea gravel 3/8 to 1/8"(10mm to 3mm) around tubewell bore hole. (S.I.No 27-21/p 27-234).	Total: @ Rs 367.00 Cft P.Cft
10	Logging tubewell Bore I/C lithology og bore strata chart (NSR).	Total: @ Rs 1.00 job P.job
11	Development / Testng of Tube well by compressor mechine (S.I.No 27-20-ap/27-234).	Total: @ Rs 1.00 job P.job
12	Levelling and dressing the ground by cutting and filling earth upto 150mm in depth including consolidating and watering. (SI.NO.3-53)	Total = 80000.0 Sqm @ Rs Sqm

Supply and Fixing of Concrete
pavers on 3" thick sand cushion
of different
designs having thickness of 60
mm, mechanically compressed,
minimum
strenght of 6000 psi after
laboratory testing at factory and
random testiing
at site as and when desired by
the Engineer incharge comple in
all respects.
a) 60 mm thick, tuff tiles Natural
gray
(SI.NO. 21-91)

Total	=	3000.0	Sft
@ Rs			Sft
Total		Rs:-	
G:Total		Rs:	

CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
						Total=	405.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	BOTOM SLAM	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		
						Total=	60.75	CFT		

5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls									
	S.I NO 5-22/B									
		1	1	33.50	0.75	7.00	175.88	CFT		
						Total	175.88	CFT		

6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/aiii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/ skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
					Total		268.00	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
					Total		33.50	Rft		

11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.								
	28-7/1								
		1	1	2.00		2.00	4.00	Sft	
						Total	4.00	Sft	
TOTAL									

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting bending, binding wastage and providing such overlap as are not shown on the drawings, the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		
5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.									
	S.I NO 9-2/ciii									

		1	2	7.57	0.66	7.00	69.95	CFT		
		1	2	13.50	0.66	7.00	124.74	CFT		
		1	2	6.00	0.66	7.00	55.44	CFT		
						Total	250.13	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	13.50	7.66	0.75	77.56	CFT		
							77.56	CFT		
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.									
	15-4/iii									
		1	1	2.00	21.32	6.00	255.84	Sft		
		1	1	4.00	7.66	6.00	183.84	Sft		
					Total		439.68	Sft		
9	Providing and fixing step iron or foot rest in manhole chambersincluding setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	1.00	1.00	each		
						Total	1.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	13-16/a									
		1	1	1.00		2.00	2.00	No		
					Total		2.00	No		
TOTAL										

AWARAN
GENERAL ABSTRACT

<i>S NO.</i>	<i>DESCRIPTION OF WORK</i>	<i>AMOUNT</i>
1	REPAIR & RENOVATION OF BHU KALLARO	
2	CONSTRUCTION OF BOUNDARY WALL 320 RFT	
3	CONSTRUCTION OF UNDER GROUND WATER TANK	
4	SEPTIC TANK	
5	water bore	

Total Rs. 7436421/-

Say Rs. 7.436 Million

DETAIL ESTIMATE FOR REPAIR AND RENOVATION OF BHU KALLARO DISTRICT AWARAN.

S.No	Description	No	L	B/H	Qty	Rate	Amounte
1	Scraping rubbing and cleaning of emulsion finish snowcem from wall and ceiling including removal of rubbish in all floors. (S.I No: 4-56)						
	CEILING						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 sft
	First Aid	1	x	12.50	x	6.00	= 75.00 sft
	Porch	1	x	17.00	x	10.00	= 170.00 sft
	Toilet	2	x	5.00	x	4.00	= 40.00 sft
		1	x	4.33	x	5.67	= 24.55 sft
	Walls						
	Office	1	2	x	16.25	x	11.50 = 373.75 sft
		1	2	x	12.50	x	11.50 = 287.50 sft
	Ward	1	2	x	16.00	x	11.50 = 368.00 sft
		1	2	x	12.00	x	11.50 = 276.00 sft
	First Aid	1	2	x	12.50	x	11.50 = 287.50 sft
		1	2	x	6.00	x	11.50 = 138.00 sft
	Porch	1	1	x	17.00	x	8.50 = 144.50 sft
	Porch	1	1	x	10.00	x	8.50 = 85.00 sft
	Beam	1	1	x	17.00	x	3.00 = 51.00 sft
		1	1	x	10.00	x	3.00 = 30.00 sft
	Columns	1	2	x	3.32	x	7.50 = 49.80 sft
	Toilets	1	2	x	5.00	x	9.50 = 95.00 sft
		1	2	x	4.00	x	9.50 = 76.00 sft
		1	1	x	4.33	x	9.50 = 41.14 sft
		1	2	x	5.66	x	9.50 = 107.54 sft
	Outer Side	1	1	x	71.75	x	13.50 = 968.63 sft
	Shade	1	1	x	117.66	x	1.50 = 176.49 sft
	Toilets	1	1	x	14.67	x	11.00 = 161.37 sft
		1	2	x	6.33	x	11.00 = 139.26 sft
		1	2	x	5.33	x	11.00 = 117.26 sft
					Total A		4678.41 sft
	Deuction						
	D	1	x	2	x	3.50	x 7.00 = 49.00 sft
	D1	1	x	1	x	3.00	x 7.00 = 21.00 sft
	D2	1	x	2	x	2.50	x 7.00 = 35.00 sft
	W	1	x	5	x	4.00	x 4.00 = 80.00 sft
	v	1	x	2	x	1.50	x 1.50 = 4.50 sft
					Total B		189.50 sft
	Net Quantity(A---B)	4678.41		189.50	Total		4488.91 sft
2	Removing door with chowkat						
	SINO.4-32/a						
	Main Building	1	x	2	x	3.50	x 7.00 = 49.00 sft
	Toilet Block	1	x	1	x	3.00	x 7.00 = 21.00 sft
		1	x	2	x	2.50	x 7.00 = 35.00 sft
					Total		105.00 sft
3	Removing Windows with chowkat						
	SINO.4-32/b						
	w	1	x	4	x	4.00	x 4.00 = 64.00 sft
	v	1	x	1	x	1.50	x 1.50 = 2.25 sft
					Total		66.25 sft
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes						
	SINO.4-19/a						
	Office	1	x	1	x	16.25	x 12.50 = 203.13 sft
	Ward	1	x	1	x	16.12	x 1.50 = 24.18 sft
	First Aid	1	x	1	x	12.50	x 6.00 = 75.00 sft
	Porch	1	x	1	x	17.00	x 10.00 = 170.00 sft
	Toilets & Bath	1	x	2	x	5.00	x 4.00 = 40.00 sft
	Wash Area	1	x	1	x	4.33	x 5.66 = 24.51 sft
					Total		536.81 sft
5	Providing and laying 1:2:4 cement concrete floor using crushed aggrgate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and						

SINO.14-2/bii

Office	1	x	16.25	x	12.50		=	203.13	sft
Ward	1	x	16.00	x	12.00	x	=	192.00	cft
First Aid	1	x	12.50	x	6.00	x	=	75.00	cft
Toilets	2	x	5.00	x	4.00	x	=	40.00	cft
Wash Area	1	x	4.33	x	5.66	x	=	24.51	cft
Total								534.63	sft

- 6 Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard

SINO.28-40/cii

(3.5+3.5+7.5+7.5=25)	2	x	1.00	x		25.00	=	50.00	sft
(3.0+3.0+7.5+7.5=21)	1	x	1.00	x		21.00	=	21.00	sft
(2.5+2.5+7.5+7.5=25)	2	x	1.00	x		20.00	=	40.00	sft
Total								111.00	sft

- 7 Providing and laying super white 12"x12" marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.

SINO.14-9/b

Office	1	x	1	x	16.25	x	12.50	=	203.13	sft
Ward	1	x	1	x	16.00	x	12.00	=	192.00	sft
First Aid	1	x	1	x	12.50	x	6.00	=	75.00	sft
Porch	1	x	1	x	17.00	x	10.00	=	170.00	sft
					Total				640.13	sft

- 9 Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry of matching color, cleaning & curing.

SINO.14-64/a

Toilets & Bath	2	x	2	x	5.00	x	7.00	=	140.00	sft
	4	x	2	x	4.00	x	7.00	=	224.00	sft
Wash Area	1	x	1	x	4.33	x	7.00	=	30.31	sft
	1	x	2	x	5.66	x	7.00	=	79.24	sft
Total									473.55	sft

- 10 Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing

SINO.14-25/a

Toilets & Bath Floor	1	x	2	x	5.00	x	4.00	=	40.00	sft
Wash Area	1	x	1	x	4.33	x	5.66	=	24.51	sft
Total									64.51	sft

CONSTRUCTION OF BOUNDARY WALL 320 RFT FOR BHU KALLARO
DISTRICT AWARAN

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m lift up to 1.5m									
	3-21/Aiii									
	BOUNDARY WALL	1	1	320.00	2.50	2.50	2000.00	CFT		
	GATE COLUMNS FOOTING	1	3	3.00	3.00	3.00	81.00	CFT		
						Total=	2081.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
	BOUNDARY WALL	1	1	320.00	2.50	0.25	200.00	CFT		
	GATE COLUMNS FOOTING	1	3	4.00	4.00	0.25	12.00	CFT		
						Total=	212.00	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcment for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such									
	5-44/A									
	Steel in Foundation									
	1/2" dia bars in found:	1	4	320.00	0.667	0.4536	580.61	KG		
	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
	1/2" dia bars in Col. C1	29	4	12.50	0.667	0.4536	438.70	KG		
	3/8" dia ring @ 9"c/c	29	15	3.75	0.375	0.4536	277.48	KG		
	1/2" dia bars in Col. C2	3	6	12.50	0.667	0.4536	68.07	KG		
	3/8" dia ring @ 9"c/c	3	15	6.50	0.375	0.4536	49.75	KG		
	Steel in Plinth Band									
	1/2" dia bars in found:	1	4	320.00	0.667	0.4536	387.27	KG		
	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
						Total=	2198.63	KG		
	WEIGHT IN TON						2.199	KG		

4	Providing and laying cement concrete 1:2:4 (1 cement 2 sand 4 crush) using crushed size 19mm (3/4") and down gauge in foundation bed including levelling , form work , compacting , curing , and removal of form work.								
	5-8-c								
	BOUNDRY WALL	1	1	320.00	2.00	0.75	480.00	CFT	
	GATE COLUMNS FOOTING	3	1	8.00	8.00	1.50	288.00	CFT	
						Total=	768.00	CFT	
5	Providing and laying plain hand mixed cement concrete using sand approved source and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation and plinth including								
	S.I NO 5-4/a								
	BOUNDRY WALL	1	1	320.00	1.50	1.50	720.00	CFT	
	GATE COLUMNS FOOTING	3	1	3.50	1.50	1.50	23.63	CFT	
	2nd Step								
	BOUNDRY WALL	1	1	320.00	1.125	0.75	270.00	CFT	
	GATE COLUMNS FOOTING	3	1	2.50	1.125	2.00	16.88	CFT	
				Total=		(A)	1030.50	CFT	
	1st Step DEDUCTION OF COLUMNS								
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT	
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT	
	2nd Step DEDUCTION OF COLUMNS								
	COLUMNS C1	29	1	0.75	1.125	0.75	18.35	CFT	
	COLUMNS C2	3	1	2.50	1.125	1.00	8.44	CFT	
				Total=		(B)	99.35	CFT	
	Net QUANTITY					(A -- B)	931.15	CFT	
6	Providing and laying in Situ cement concrete 1 : 2 : 4 (1 cement 2 sand 4 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work								
	5-15/C								
	1st Step COLUMNS								
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT	
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT	
	2nd Step COLUMNS								
	COLUMNS C1	29	1	0.75	1.13	1.00	24.47	CFT	
	COLUMNS C2	3	1	2.50	1.13	1.00	8.44	CFT	
						Total=	105.47	CFT	

7	Providing and laying 1:2:4 cement concrete using shingle or bajri 19mm and down gauge in plinth band, door band and roof band of required shape or section including formwork and its removal, compacting and curing in basement and ground floor but excluding the cost of reinforcement.									
	5-49/a									
	PLINTH BAND CONCRETE									
	BOUNDRY WALL	1	1	320.00	1.000	0.75	240.00	CFT		
	GATE COLUMNS FOOTING	3	1	1.50	1.50	0.75	5.06	CFT		
						Total=	245.06	CFT		
8	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) and down gauge in ground floor super-structure									
	S.I NO 9-7/Cii									
	Wall in super structure									
	BOUNDRY WALL	1	1	320.00	0.58	6.00	1113.60	CFT		
						Total=	1113.60	CFT		
						sub total A	1113.60	CFT		
	Ded: Columns C1	29	1	0.75	0.58	6.00	75.69	CFT		
						sub total B	75.69	CFT		
	NET QUANTITY					A-B	1037.91	CFT		
9	Providing and laying in Situ cement concrete 1:2:4 (1 cement 2 sand 3 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work									
	5-15-c									
	S. STRUCTURE COLUMNS CONCRETE									
	COLUMNS C1	29	1	0.75	0.58	6.00	75.69	CFT		
	COLUMNS C2	3	1	1.50	1.50	6.00	40.50	CFT		
						Total=	116.19	CFT		
11	19mm (3/4") thick cement plaster 1:4 cement mortar ratio on wall and coloumns in basment plinth and ground floor including making edges cornor and curing.									
	15-4/iii									
	BOUNDRY WALL	1	2	320.00		7.00	4480.00	CFT		
					Total		4480.00	SFT		

12	Applying weather resistant paint coating such as ICI weather shield, Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10									
	17-69-1									
	SAME QTY OF PLASTER									
						Total	4480.00	SFT		
13	Providing and fixing steel grated double leaf Gate with locking arrangement, and angle iron (2" x 2" x .375") for frame, middle strip 6.4 mm (.25) thick gusset plate 75 mm x 75 mm (3" x 3") at each edge and 19 mm (.75) M.S square or round bars 5/8" or 6/8" dia at 100 mm (4) center to center including two coats of red oxide paint as per the direction of Engineer Incharge.									
	28-18-1									
	M. GATE	1	1	12.00	7.00		84.00	SFT		
	SIDE GATE	1	1	4.00	7.00		28.00	SFT		
						Total	112.00	SFT		
					4.3	112.00	487.20	SFT		
							487.20	SFT		
										TOTAL

DETAILED ESITAMTE FOR THE BORE , LEVLLING TUFF TILE

S.NO	ITEM OF WORK	QTY:	REATE	UNIT	AMOUNT
1	Mobilization of Drilling accessories to site of work (N.S.R).				
		Total:	@	Rs	1.00 Job P.Job
2	Digging of pits for Boring Liquid (N.S.R).				
		Total:	@	Rs	1.00 Job P.Job
3	Drilling of bore in all types of soil except shingle, gravel and rock. (SI.No 27-5/a-i-p/27-229).				
		Total:	@	Rs	250.00 feet P.feet
4	Digging of bore exeeding 250ft depth below ground level (S.I.No 27-5bi/27-229).				
		Total:	@	Rs	50.00 feet P.feet
5	Supply of PVC blind pipe of approved make registered with PSQCSA in tubewell bore hole (S.I.No 27-48/dvip/27-248).				
		Total:	@	Rs	180.00 feet P.feet
6	Supply of PVC strainer in tubewell bore hole including sockets and solvent (NSR).				
		Total:	@	Rs	120.00 feet P.feet
7	Installing uPVC blind pipe ILL, Dadex or equivalent make registered with PSQCA in tubewell bore hole and/or laying, cutting, jointing and testing uPVC pipe lines in trenches. (S.I.No 27-49/D-vi-p-27-251).				
		Total:	@	Rs	300.00 feet P.feet

8	Providing and installing M.S bail plug of approved make registered with PSQCA. (S.I.No 27-12/ip/27-231).	Total: @ Rs 1.00 feet P.feet
9	shrouding and installing with graded pea gravel 3/8 to 1/8"(10mm to 3mm) around tubewell bore hole. (S.I.No 27-21/p 27-234).	Total: @ Rs 367.00 Cft P.Cft
10	Logging tubewell Bore I/C lithology og bore strata chart (NSR).	Total: @ Rs 1.00 job P.job
11	Development / Testng of Tube well by compressor mechine (S.I.No 27-20-ap/27-234).	Total: @ Rs 1.00 job P.job
12	Levelling and dressing the ground by cutting and filling earth upto 150mm in depth including consolidating and watering. (SI.NO.3-53)	Total = 80000.0 Sqm @ Rs Sqm

Supply and Fixing of Concrete pavers on 3" thick sand cushion of different designs having thickness of 60 mm, mechanically compressed, minimum strenght of 6000 psi after laboratory testing at factory and random testiing at site as and when desired by the Engineer incharge comple in all respects.
a) 60 mm thick, tuff tiles Natural gray
(SI.NO. 21-91)

Total	=	3000.0	Sft
@ Rs			Sft
Total		Rs:-	
G:Total		Rs:	

CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
						Total=	405.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	BOTOM SLAM	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		

						Total=	60.75	CFT		
5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls									
	S.I NO 5-22/B									
		1	1	33.50	0.75	7.00	175.88	CFT		
						Total	175.88	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/aiii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/ skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
						Total	268.00	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									

		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
					Total	33.50	33.50	Rft		
11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.									
	28-7/1									
		1	1	2.00		2.00	4.00	Sft		
					Total	4.00	4.00	Sft		
TOTAL										

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		
5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.									
	S.I NO 9-2/ciii									

		1	2	7.57	0.66	7.00	69.95	CFT		
		1	2	13.50	0.66	7.00	124.74	CFT		
		1	2	6.00	0.66	7.00	55.44	CFT		
						Total	250.13	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	13.50	7.66	0.75	77.56	CFT		
							77.56	CFT		
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.									
	15-4/iii									
		1	1	2.00	21.32	6.00	255.84	Sft		
		1	1	4.00	7.66	6.00	183.84	Sft		
					Total		439.68	Sft		
9	Providing and fixing step iron or foot rest in manhole chambersincluding setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	1.00	1.00	each		
						Total	1.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	13-16/a									
		1	1	1.00		2.00	2.00	No		
					Total		2.00	No		
TOTAL										

REPAIR AND RENOVATION OF BHU KOHRO DISTRICT AWARAN
GENERAL ABSTRACT

S NO.	DESCRIPTION OF WORK	AMOUNT
1	REPAIR AND RENOVATION OF BHU KOHRO DISTRICT AWARAN	
2	CONSTRUCTION OF UNDER GROUND WATER TANK	
3	CONSTRUCTION OF SEPTIC TANK	

Total Rs. 4411529/-

Say Rs. 4.412 Million

REPAIR AND RENOVATION OF BHU KOHRO DISTRICT AWARAN

S.No	Description	No	L	B/H	Qty	Rate	Amounte
1	Scraping rubbing and cleaning of emulsion finish snowcem from wall and ceiling including removal of rubbish in all floors. (S.I No: 4-56)				0		
	CEILING						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 sft
	First Aid	1	x	12.50	x	6.00	= 75.00 sft
	Porch	1	x	17.00	x	10.00	= 170.00 sft
	Toilet	2	x	5.00	x	4.00	= 40.00 sft
		1	x	4.33	x	5.67	= 24.55 sft
	Walls						
	Office	1	2	x	16.25	x	11.50 = 373.75 sft
		1	2	x	12.50	x	11.50 = 287.50 sft
	Ward	1	2	x	16.00	x	11.50 = 368.00 sft
		1	2	x	12.00	x	11.50 = 276.00 sft
	First Aid	1	2	x	12.50	x	11.50 = 287.50 sft
		1	2	x	6.00	x	11.50 = 138.00 sft
	Porch	1	1	x	17.00	x	8.50 = 144.50 sft
	Porch	1	1	x	10.00	x	8.50 = 85.00 sft
	Beam	1	1	x	17.00	x	3.00 = 51.00 sft
		1	1	x	10.00	x	3.00 = 30.00 sft
	Columns	1	2	x	3.32	x	7.50 = 49.80 sft
	Toilets	1	2	x	5.00	x	9.50 = 95.00 sft
		1	2	x	4.00	x	9.50 = 76.00 sft
		1	1	x	4.33	x	9.50 = 41.14 sft
		1	2	x	5.66	x	9.50 = 107.54 sft
	Outer Side	1	1	x	71.75	x	13.50 = 968.63 sft
	Shade	1	1	x	117.66	x	1.50 = 176.49 sft
	Toilets	1	1	x	14.67	x	11.00 = 161.37 sft
		1	2	x	6.33	x	11.00 = 139.26 sft
		1	2	x	5.33	x	11.00 = 117.26 sft
						Total A	4678.41 sft
	Deuction						
	D	1	x	2	x	3.50 x 7.00	= 49.00 sft
	D1	1	x	1	x	3.00 x 7.00	= 21.00 sft
	D2	1	x	2	x	2.50 x 7.00	= 35.00 sft
	W	1	x	5	x	4.00 x 4.00	= 80.00 sft
	v	1	x	2	x	1.50 x 1.50	= 4.50 sft
						Total B	189.50 sft
	Net Quantity(A--B)			4678.41	189.50	Total	4488.91 sft
2	Removing door with chowkat						
	SINO.4-32/a						
	Main Building	1	x	2	x	3.50 x 7.00	= 49.00 sft
	Toilet Block	1	x	1	x	3.00 x 7.00	= 21.00 sft
		1	x	2	x	2.50 x 7.00	= 35.00 sft
						Total	105.00 sft
3	Removing Windows with chowkat						
	SINO.4-32/b						
	w	1	x	4	x	4.00 x 4.00	= 64.00 sft
	v	1	x	1	x	1.50 x 1.50	= 2.25 sft
						Total	66.25 sft
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes						
	SINO.4-19/a						
	Office	1	x	1	x	16.25 x 12.50	= 203.13 sft
	Ward	1	x	1	x	16.12 x 1.50	= 24.18 sft
	First Aid	1	x	1	x	12.50 x 6.00	= 75.00 sft
	Porch	1	x	1	x	17.00 x 10.00	= 170.00 sft
	Toilets & Bath	1	x	2	x	5.00 x 4.00	= 40.00 sft
	Wash Area	1	x	1	x	4.33 x 5.66	= 24.51 sft
						Total	536.81 sft
5	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.						
	SINO.14-2/bii						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00 x	= 192.00 cft
	First Aid	1	x	12.50	x	6.00 x	= 75.00 cft

Toilets	2	x	5.00	x	4.00	x	=	40.00	cft
Wash Area	1	x	4.33	x	5.66	x	=	24.51	cft
Total								534.63	sft

- 6 Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard

SINO.28-40/cii									
(3.5+3.5+7.5+7.5=25)	2	x	1.00	x	25.00		=	50.00	sft
(3.0+3.0+7.5+7.5=21)	1	x	1.00	x	21.00		=	21.00	sft
(2.5+2.5+7.5+7.5=25)	2	x	1.00	x	20.00		=	40.00	sft
Total								111.00	sft

- 7 providing and laying super white 12"x12" marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.

SINO.14-9/b

Office	1	x	1	x	16.25	x	12.50	=	203.13	sft
Ward	1	x	1	x	16.00	x	12.00	=	192.00	sft
Porch	1	x	1	x	17.00	x	10.00	=	170.00	sft

Total	565.13	sft
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- 9 Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry of matching color, cleaning & curing.

SINO.14-64/a

Toilets & Bath	2	x	2	x	5.00	x	7.00	=	140.00	sft
	4	x	2	x	4.00	x	7.00	=	224.00	sft
Wash Area	1	x	1	x	4.33	x	7.00	=	30.31	sft
	1	x	2	x	5.66	x	7.00	=	79.24	sft

Total	473.55	sft
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- 10 Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing

SINO.14-25/a

Toilets & Bath Floor	1	x	2	x	5.00	x	4.00	=	40.00	sft
Wash Area	1	x	1	x	4.33	x	5.66	=	24.51	sft

Total	64.51	sft
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- 11 providing and laying Roof Screeding thick using 3/4 (19mm) including form work consolidating finishing and curring.

SINO.14-68/b

Main Building	1	x	33.33	x	27.00		899.91	sft
Toilet Block	1	x	17.66	x	9.33		164.7678	sft

- 12 providing on old surface of wall with Bergerconcrete surfac including cleanding and ICI or equvalint on plastered rendered orsand preparing the surfac.

Total	1064.6778	sft
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Same Quantity of item no.1

	4488.91	sft
Total	4488.9061	

- 13 painting on old surface on wood work with Berger /ICI or equivalent super gloss syenthetic enmal paint on wood work.

SINO.17-31

	2	x	2	x	3.50	x	7.00	=	98.00	sft
D1	2	x	1	x	3.00	x	7.00	=	42.00	sft
D2	2	x	2	x	2.50	x	7.00	=	70.00	sft
Total									210.00	sft

- 14 Providing and fixing fully glazed single leaf hung/sliding aluminium windows, ventilators (Deluxe model - 1.6mm) of anodized champagne or approved color of Prime, Chawala,

SINO.28-24/1

Windows	5	x	4.00	x	4.00	=	80.00	sft
					Total		80.00	sft

- 15 providing and fixing iron grills as approved junction including with sunk iron screw design including weilding of all side at painting with two coat of red oxide.

Windows	5	x	5.00	x	5.00	=	125.00	sft
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Conversion in Kg

125

x

3.5

Total

437.50 Kg

12	Applying weather resistant paint coating such as ICI weather									
	17-69-1									
	SAME QTY OF PLASTER									
						4480.00	SFT			
13	Providing and fixing steel grated double leaf Gate with locking									
	28-18-1									
	M. GATE	1	1	###	7.00	84.00	SFT			
	SIDE GATE	1	1	###	7.00	28.00	SFT			
					Total	112.00	SFT			
					4.3	112.00	487.20	SFT		
						487.20	SFT			

- 16 providing and fixing GI wire guaze 22 guage(1.15 mm) and 144 mesh per sq .inch with first class deodar beading with one sq inch as approved design.

SINO.16-40-A

61NO 16 40-A Windows	5	x	5.00	x	5.00	=	125.00	sft
Total							125.00	sft

- 17 providing and fixing first class deodar wood deodar wood shutter fully panelled with same wood and fixed with approved brass hinges and tower bolts

SINO.16-7/A

Doors	2	x			3.50	x	7.00	=	49.00	sft
Doors	1	x			3.00	x	7.00	=	21.00	sft
Doors	2	x			2.50	x	7.00	=	35.00	sft
Total									105.00	sft

SANITARY FITTING AND WATER SUPPLY

- 18 Providing and fixing export quality glazed earthen ware wash basin manufactured by ICL Boch/Karam Cera or equivalent approved make with single hole chromium plated mixer tap 1/2" (15mm), pillar tap delux, stop cocks, C.I. or W.I. brackets 6" (150mm) built into walls 1.5" (40mm) C.P. brass waste with malleable iron or C.P. brass trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material

SINO.23-5 1 x 1 = 1 Nos

Total	1	Nos
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- 19 providing fixing stainless steel sink Pakistan made with C.I. or W.I brackets 6" built in wall, 1.5" (40 mm) rubber plug,C.P. brass chain, C.P. brass waste, pillar tap 2 way delux, 1.5" dia malleable iron or C.P. brass trap and unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material

SINO.23-8/a 1 x 1 = 1 Nos

1 Nos

- 20 providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with screw.
SINO.23-15-1

Baths 1 x

1	x	1	1
Total			1
			sft

- 21 Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved

SINO.23-2/a 1 x 2 = 2 Nos

Total	2	Nos
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- 22 providing and fixing approved make plastic accessories.

SINO.23-30
Soap Dish 1 x

2	=	2	Nos
Total			2
			Nos

- 23 Toilet paper Holder

		1	x	2	=	2	Nos
				Total		2	Nos
24	Towel Rod SINO.23-30	1	x	3	=	3	Nos
				Total		3	Nos
25	providing and fixing approved quality bib cock SINO.23-34/B						
		1	x	2	=	2	Nos
				Total		2	Nos
26	providing laying cutting jointing and disinfecting G.I Pipe lill make or equavilient.						
	SINO.23-52/Aii	1	x	210	=	210	Rft
				Total		210	Rft
INTERNAL ELECTRIFICATION							
27	Light circuit concealed/open wiring with length upto 75 ft. (25m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings.						
	SINO.30-1	1	x	6	=	6	point
				Total		6	point
28	Wiring of 5 Amps. socket outlet with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.						
	SINO.30-9	2	x	12	=	24	Rm
				Total		24	Rm
29	supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories. SINO.30-87	1	x	4	=	4	point
				Total		4	point
30	fixing fan to ceiling SINO.30-89/B	1	x	4	=	4	point
				Total		4	point
31	supply and installation 20" (500 mm) sweep revolving bracket fan with guard SINO.30-114						
		1	x	2	Total	=	2 point
						2	point
32	Supply and install 10" (250 mm) sweep exhaust fan including plastic						

	louvers.	1	x	2	2		
	SINO.30-113					Total	= 2 point
33	Supply and install Energy Saver electric bulbs 25W Philips energy save						
	SINO.30-117/C	1	x	15	15		
						Total	= 15 point
34	Providing and fixing LDPE overhead tank manufactured by Dura or equivalent on top of any floor louvers.						
	SINO.27-44	1	x	1	1		
						Total	= 1 Nos
35	Supply and install Electric motors with pump including all accessories.						
36							
37	Supply and install 35 gallons electric geyser	1	x	1	1		
		1	x	1	1		
38	R.C.C pipe with bell & spigot or tongued & grooved joint conforming to ASTM C-76 class II wall B or BS 3911 Part I class M						
	SINO.25-1/bi						
		1	x	50	50		
						Total	= 50 Rft
39	Providing manhole type 'A' size 24" x 18" (inside dimensions) as per approved design and specifications complete for 4" to 12" dia pipes upto 4 ft. (1.2 m) depth with 16" dia. Concrete Cover fixed						
	SINO.25-4/a						
		1	x	3	3		
						Total	= 3 Rft
40	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes confirming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings,						
	SINO.27-46/av						
		1	x	100	100		
						Total	= 100 Rft

CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
						Total=	405.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	BOTOM SLAM	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		

						Total=	60.75	CFT		
5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls									
	S.I NO 5-22/B									
		1	1	33.50	0.75	7.00	175.88	CFT		
						Total	175.88	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/aiii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
						Total	268.00	Sft		

9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
						Total	33.50	Rft		
11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.									
	28-7/1									
		1	1	2.00		2.00	4.00	Sft		
						Total	4.00	Sft		
TOTAL										

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting bending, binding wastage and providing such overlap as are not shown on the drawings, the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		
5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.									
	S.I NO 9-2/ciii									

		1	2	7.57	0.66	7.00	69.95	CFT		
		1	2	13.50	0.66	7.00	124.74	CFT		
		1	2	6.00	0.66	7.00	55.44	CFT		
						Total	250.13	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	13.50	7.66	0.75	77.56	CFT		
							77.56	CFT		
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.									
	15-4/iii									
		1	1	2.00	21.32	6.00	255.84	Sft		
		1	1	4.00	7.66	6.00	183.84	Sft		
					Total		439.68	Sft		
9	Providing and fixing step iron or foot rest in manhole chambersincluding setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	1.00	1.00	each		
						Total	1.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	13-16/a									
		1	1	1.00		2.00	2.00	No		
					Total		2.00	No		
TOTAL										

AWARAN
GENERAL ABSTRACT

S NO.	DESCRIPTION OF WORK	AMOUNT
1	BHU KOTO JHAOO	
2	water boter	
3	CONSTRUCTION OF BOUNDARY WALL 250 RFT	
4	CONSTRUCTION OF UNDER GROUND WATER TANK	
5	CONSTRUCTION OF SEPTIC TANK	

Total Rs. 8973686/-

Say Rs. 8.974 Million

DETAIL ESTIMATE FOR REPAIR AND RENOVATION JAHOO DISTRICT AWARAN.

S.No	Description	No	L	B/H	Qty	Rate	Amounte
1	Scraping rubbing and cleaning of emulsion finish snowcem from wall and ceiling including removal of rubbish in all floors.						
(S.I No: 4-56)							
CEILING							
Office	1	x	16.25	x	12.50	=	203.13 sft
Ward	1	x	16.00	x	12.00	=	192.00 sft
First Aid	1	x	12.50	x	6.00	=	75.00 sft
Porch	1	x	17.00	x	10.00	=	170.00 sft
Toilet	2	x	5.00	x	4.00	=	40.00 sft
	1	x	4.33	x	5.67	=	24.55 sft
Walls							
Office	1	2	x	16.25	x	11.50	= 373.75 sft
	1	2	x	12.50	x	11.50	= 287.50 sft
Ward	1	2	x	16.00	x	11.50	= 368.00 sft
	1	2	x	12.00	x	11.50	= 276.00 sft
First Aid	1	2	x	12.50	x	11.50	= 287.50 sft
	1	2	x	6.00	x	11.50	= 138.00 sft
Porch	1	1	x	17.00	x	8.50	= 144.50 sft
Porch	1	1	x	10.00	x	8.50	= 85.00 sft
Beam	1	1	x	17.00	x	3.00	= 51.00 sft
	1	1	x	10.00	x	3.00	= 30.00 sft
Columns	1	2	x	3.32	x	7.50	= 49.80 sft
Toilets	1	2	x	5.00	x	9.50	= 95.00 sft
	1	2	x	4.00	x	9.50	= 76.00 sft
	1	1	x	4.33	x	9.50	= 41.14 sft
	1	2	x	5.66	x	9.50	= 107.54 sft
Outer Side	1	1	x	71.75	x	13.50	= 968.63 sft
Shade	1	1	x	117.66	x	1.50	= 176.49 sft
Toilets	1	1	x	14.67	x	11.00	= 161.37 sft
	1	2	x	6.33	x	11.00	= 139.26 sft
	1	2	x	5.33	x	11.00	= 117.26 sft
Total A							4678.41 sft
Deuction							
D	1	x	2	x	3.50	x	7.00 = 49.00 sft
D1	1	x	1	x	3.00	x	7.00 = 21.00 sft
D2	1	x	2	x	2.50	x	7.00 = 35.00 sft
W	1	x	5	x	4.00	x	4.00 = 80.00 sft
v	1	x	2	x	1.50	x	1.50 = 4.50 sft
Total B							189.50 sft
Net Quantity(A---B)			4678.41	189.50	Total		4488.91 sft
2	Removing door with chowkat						
SINO.4-32/a							
Main Building	1	x	2	x	3.50	x	7.00 = 49.00 sft
Toilet Block	1	x	1	x	3.00	x	7.00 = 21.00 sft
	1	x	2	x	2.50	x	7.00 = 35.00 sft
Total							105.00 sft
3	Removing Windows with chowkat						
SINO.4-32/b							
w	1	x	4	x	4.00	x	4.00 = 64.00 sft
v	1	x	1	x	1.50	x	1.50 = 2.25 sft
Total							66.25 sft
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes						
SINO.4-19/a							
Office	1	x	1	x	16.25	x	12.50 = 203.13 sft
Ward	1	x	1	x	16.12	x	1.50 = 24.18 sft
First Aid	1	x	1	x	12.50	x	6.00 = 75.00 sft
Porch	1	x	1	x	17.00	x	10.00 = 170.00 sft
Toilets & Bath	1	x	2	x	5.00	x	4.00 = 40.00 sft
Wash Area	1	x	1	x	4.33	x	5.66 = 24.51 sft
Total							536.81 sft

- 5 Providing and laying 1:2:4 cement concrete floor using using crushed aggrgate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.

SINO.14-2/bii

Office	1	x	16.25	x	12.50		=	203.13	sft
Ward	1	x	16.00	x	12.00	x	=	192.00	cft
First Aid	1	x	12.50	x	6.00	x	=	75.00	cft
Toilets	2	x	5.00	x	4.00	x	=	40.00	cft
Wash Area	1	x	4.33	x	5.66	x	=	24.51	cft
Total								534.63	sft

- 6 Providing and fixing moulded steel door frame of approved profile, manufactured from

SINO.28-40/cii

(3.5+3.5+7.5+7.5=25)	2	x	1.00	x	25.00		=	50.00	sft
(3.0+3.0+7.5+7.5=21)	1	x	1.00	x	21.00		=	21.00	sft
(2.5+2.5+7.5+7.5=25)	2	x	1.00	x	20.00		=	40.00	sft
Total								111.00	sft

- 7 roviding and laying super white 12"x12" marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.

SINO.14-9/b

Office	1	x	1	x	16.25	x	12.50	=	203.13	sft
Ward	1	x	1	x	16.00	x	12.00	=	192.00	sft
First Aid	1	x	1	x	12.50	x	6.00	=	75.00	sft
Porch	1	x	1	x	17.00	x	10.00	=	170.00	sft
					Total				640.13	sft

- 9 Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry of matching color, cleaning & curing.

SINO.14-64/a											
Toilets & Bath		2	x	2	x	5.00	x	7.00	=	140.00	sft
		4	x	2	x	4.00	x	7.00	=	224.00	sft
Wash Area		1	x	1	x	4.33	x	7.00	=	30.31	sft
		1	x	2	x	5.66	x	7.00	=	79.24	sft
Total										473.55	sft
10	Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing										
SINO.14-25/a											
Toilets & Bath Floor		1	x	2	x	5.00	x	4.00	=	40.00	sft
Wash Area		1	x	1	x	4.33	x	5.66	=	24.51	sft
Total										64.51	sft
11	providing and laying Roof Screeding thick using 3/4 (19mm) including form work consolidating finishing and curring.										
SINO.14-68/b											
Main Building		1	x	33.33	x			27.00		899.91	sft
Toilet Block		1	x	17.66	x			9.33		164.7678	sft
12	providing on old surface of wall with Bergerconcrete surfac including cleanding and ICI or equvalint on plastered rendered orsand preparing the surfac.				Total 1064.6778 sft						
SINO.17-33/b											
Same Quantity of item no.1										4488.91	sft
Total										4488.9061	
13	painting on old surface on wood work withBerger /ICI or equivalent super gloss syenthetic enmal paint on wood work.										
SINO.17-31											
D		2	x	2	x	3.50	x	7.00	=	98.00	sft
D1		2	x	1	x	3.00	x	7.00	=	42.00	sft
D2		2	x	2	x	2.50	x	7.00	=	70.00	sft
Total										210.00	sft
14	Providing and fixing fully glazed single leaf hung/sliding aluminium windows, ventilators (Deluxe model - 1.6mm) of anodized champagne or approved color of Prime, Chawala, Pakistan Cable or any approved section as approved by Engineer incharge										
SINO.28-24/1											
Windows		5	x	4.00	x			4.00	=	80.00	sft
Total										80.00	sft

- 15 providing and fixing iron grills as approved junction including with sunk iron screw design including weilding of all side at painting with two coat of red oxide.

SINO.28-27-1

Windows	5	x	5.00	x	5.00	=	125.00	sft
							125.00	sft
Conversion in Kg	125		x	3.5	Total		437.50	Kg

- 16 providing and fixing GI wire guaze 22 guage(1.15 mm) and 144 mesh per sq .inch with first class deodar beading with one sq inch as approved design.

SINO.16-40-A

Windows	5	x	5.00	x	5.00	=	125.00	sft
							Total	125.00 sft

- 17 providing and fixing first class deodar wood deodar wood shutter fully panelled with same wood and fixed with approved brass hinges and tower bolts

SINO.16-7/A

Doors	2	x	3.50	x	7.00	=	49.00	sft
Doors	1	x	3.00	x	7.00	=	21.00	sft
Doors	2	x	2.50	x	7.00	=	35.00	sft
							Total	105.00 sft

SANITARY FITTING AND WATER SUPPLY

- 18 Providing and fixing export quality glazed earthen ware wash basin manufactured by ICL Boch/Karam Cera or equivalent approved make with single hole chromium plated mixer tap 1/2" (15mm), pillar tap delux, stop cocks, C.I. or W.I. brackets 6" (150mm) built into walls 1.5" (40mm) C.P. brass waste with malleable iron or C.P. brass trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material

SINO.23-5

	1	x	1	=	1	Nos
						Total
						1 Nos

- 19 providing fixing stainless steel sink Pakistan made with C.I. or W.I brackets 6" built in wall, 1.5" (40 mm) rubber plug, C.P. brass chain, C.P. brass waste, pillar tap 2 way delux, 1.5" dia malleable iron or C.P. brass trap and unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material

SINO.23-8/a	1	x	1	=	1	Nos
					1	Nos

- 20 providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with screw.

SINO.23-15-1

Baths

1	x	1	1	
Total			1	sft

- 21 Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down

SINO.23-2/a

1	x	2	=	2	Nos
Total			2	Nos	

- 22 providing and fixing approved make plastic accessories.

SINO.23-30

Soap Dish

1	x	2	=	2	Nos
Total			2	Nos	

- 23 Toilet paper Holder

1	x	2	=	2	Nos
Total			2	Nos	

- 24 Towel Rod
SINO.23-30

1	x	3	=	3	Nos
Total			3	Nos	

- 25 providing and fixing approved quality bib cock

SINO.23-34/B

1	x	2	=	2	Nos
Total			2	Nos	

- 26 providing laying cutting jointing and disinfecting G.I Pipe till make or equavilient.

SINO.23-52/Aii

1	x	210	=	210	Rft
Total			210	Rft	

INTERNAL ELECTRIFICATION

- 27 Light circuit concealed/open wiring with length upto 75 ft. (25m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings.

SINO.30-1	1	x	6	=	6	point
			Total		6	point

- 28 Wiring of 5 Amps. socket outlet with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.

SINO.30-9	2	x	12	=	24	Rm
			Total		24	Rm

- 29 supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories.

SINO.30-87	1	x	4	=	4	point
			Total		4	point

- 30 fixing fan to ceiling
SINO.30-89/B

1	x	4	=	4	point
		Total		4	point

- 31 supply and installation 20" (500 mm) sweep revolving bracket fan with guard

SINO.30-114																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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- 32 Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.

1	x	2		2	
		Total	=	2	point

- 33 Supply and install Energy Saver electric bulbs 25W Philips energy save

1	x	15		15	
		Total	=	15	point

SINO.30-117/C

34	Providing and fixing LDPE overhead tank manufactured by Dura or equivalent on top of any floor louvers.	1	x	1	1	
	SINO.27-44					
					Total	= 1 Nos
35	Supply and install Electric motors with					
36	pump including all accessories.					
		1	x	1	1	
	SINO.30-118/a					
37	Supply and install 35 gallons electric geyser				Total	= 1 point
		1	x	1	1	
	SINO.30-123/a					
					Total	= 1 point
38	R.C.C pipe with bell & spigot or tongued & grooved joint conforming to ASTM C-76 class II wall B or BS 3911 Part I class M including cost of reinforcement. 12" (300 mm) inner dia					
	SINO.25-1/bi					
		1	x	50	50	
					Total	= 50 Rft
39	Providing manhole type 'A' size 24" x 18" (inside dimensions) as per approved design and specifications complete for 4" to 12" dia pipes upto 4 ft. (1.2 m) depth with 16" dia. Concrete Cover fixed in 4" thick RCC 1:2:4 slab (with 5 lbs per Cu.ft. or 80 kg/Cu.m of steel), burnt brick masonry walls 9" (225					
	SINO.25-4/a					
		1	x	3	3	
					Total	= 3 Rft
40	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes confirming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings, connections and jointing material					
	SINO.27-46/av					
		1	x	100	100	
					Total	= 100 Rft

CONSTRUCTION OF BOUNDRY WALL 400 RFT FOR BHU KOTO JAHOO DISTRICT AWARAN

COST ESTIMATE									
S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	AMOUNT
				L	B	H/D			
CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavated earth watering and ramming lead up to 30 m lift up to 1.5m								
3-21/Aiii									
	BOUNDRY WALL	1	1	400.00	2.50	2.50	2500.00	CFT	
	GATE COLUMNS FOOTING	1	3	3.00	3.00	3.00	81.00	CFT	
							Total=	2581.00	CFT
2	Providing and laying cement concrate 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing								
5 - 8 / e									
	BOUNDRY WALL	1	1	400.00	2.50	0.25	250.00	CFT	
	GATE COLUMNS FOOTING	1	3	4.00	4.00	0.25	12.00	CFT	
							Total=	262.00	CFT
3	Providing and fabricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.								
5-44/A									
Steel in Foundation									
	1/2" dia bars in found:	1	4	400.00	0.667	0.4536	725.76	KG	
	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG	
	1/2" dia bars in Col. C1	29	4	12.50	0.667	0.4536	438.70	KG	
	3/8" dia ring @ 9"c/c	29	15	3.75	0.375	0.4536	277.48	KG	
	1/2" dia bars in Col. C2	3	6	12.50	0.667	0.4536	68.07	KG	
	3/8" dia ring @ 9"c/c	3	15	6.50	0.375	0.4536	49.75	KG	
Steel in Plinth Band									
	1/2" dia bars in found:	1	4	400.00	0.667	0.4536	484.08	KG	
	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG	
							Total=	2440.60	KG
WEIGHT IN TON									
							2.441	KG	
4	Providing and laying cement concrate 1:2:4 (1 cement 2 sand 4 crush) using crushed size 19mm (3/4") and down gauge in foundation bed including levelling , form work , compacting , curing , and removal of form work.								
5-8-c									
	BOUNDRY WALL	1	1	400.00	2.00	0.75	600.00	CFT	
	GATE COLUMNS FOOTING	3	1	8.00	8.00	1.50	288.00	CFT	
							Total=	888.00	CFT
5	Providing and laying plain hand mixed cement concrete using sand approved source and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation and plinth including leveling, compacting & curing.								
S.I NO 5-4/a									
	BOUNDRY WALL	1	1	400.00	1.50	1.50	900.00	CFT	
	GATE COLUMNS FOOTING	3	1	3.50	1.50	1.50	23.63	CFT	
2nd Step									
	BOUNDRY WALL	1	1	400.00	1.125	0.75	337.50	CFT	
	GATE COLUMNS FOOTING	3	1	2.50	1.125	2.00	16.88	CFT	
				Total=		(A)	1278.00	CFT	
1st Step	DEDUCTION OF COLUMNS								
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT	
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT	
2nd Step	DEDUCTION OF COLUMNS								
	COLUMNS C1	29	1	0.75	1.125	0.75	18.35	CFT	
	COLUMNS C2	3	1	2.50	1.125	1.00	8.44	CFT	
				Total=		(B)	99.35	CFT	
	Net QUANTITY					(A -- B)	1178.65	CFT	

6	Providing and laying in Situ cement concrete 1 : 2 : 4 (1 cement 2 sand 4 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work												
5-15/C													
1st Step	COLUMNS												
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT					
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT					
2nd Step	COLUMNS												
	COLUMNS C1	29	1	0.75	1.13	1.00	24.47	CFT					
	COLUMNS C2	3	1	2.50	1.13	1.00	8.44	CFT					
						Total=	105.47	CFT					
7	Providing and laying 1:2:4 cement concrete using shingle or bajri 19mm and down gauge in plinth band, door band and roof band of required shape or section including formwork and its removal, compacting and curing in basement and ground floor but excluding the cost of reinforcement.												
5-49/a	PLINTH BAND CONCRETE												
	BOUNDRY WALL	1	1	400.00	1.000	0.75	300.00	CFT					
	GATE COLUMNS FOOTING	3	1	1.50	1.50	0.75	5.06	CFT					
						Total=	305.06	CFT					
8	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) and down gauge in ground floor super-structure including scaffolding, raking out joints and curing.												
S.I NO 9-7/Cii	Wall in super structure												
	BOUNDRY WALL	1	1	400.00	0.58	6.00	1392.00	CFT					
						Total=	1392.00	CFT					
						sub total A	1392.00	CFT					
	Ded: Columns C1	29	1	0.75	0.58	6.00	75.69	CFT					
						sub total B	75.69	CFT					
	NET QUANTITY					A-B	1316.31	CFT					
9	Providing and laying in Situ cement concrete 1:2:4 (1 cement 2 sand 3 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work												
5-15-c	S. STRUCTURE COLUMNS CONCRETE												
	COLUMNS C1	29	1	0.75	0.58	6.00	75.69	CFT					
	COLUMNS C2	3	1	1.50	1.50	6.00	40.50	CFT					
						Total=	116.19	CFT					
11	19mm (3/4") thick cement plaster 1:4 cement mortar ratio on wall and columns in basment plinth and ground floor including making edges corner and curing.												
15-4/iii	BOUNDRY WALL	1	2	400.00		7.00	5600.00	CFT					
						Total	5600.00	SFT					
12	Applying weather resistant paint coating such as ICI weather shield, Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10												
17-69-1	SAME QTY OF PLASTER												
						Total	5600.00	SFT					
13	Providing and fixing steel grated double leaf Gate with locking arrangement, and angle iron (2" x 2" x 3/8") for frame, middle strip 6.4 mm (25) thick gusset plate 75 mm x 75 mm (3" x 3") at each edge and 19 mm (.75) M.S square or round bars 5/8" or 6/8" dia at 100 mm (4) center to center including two coats of red oxide paint as per the direction of Engineer Incharge.												
28-18-1	M. GATE	1	1	12.00	7.00		84.00	SFT					
	SIDE GATE	1	1	4.00	7.00		28.00	SFT					
						Total	112.00	SFT					
					4.3	112.00	487.20	SFT					
							487.20	SFT					
TOTAL												0	

DETAILED ESITAMTE FOR THE BORE , LEVLLING TUFF TILE

S.NO	ITEM OF WORK	QTY:	REATE	UNIT	AMOUNT
1	Mobilization of Drilling accessories to site of work (N.S.R).				
		Total:	@	Rs	1.00 Job P.Job
2	Digging of pits for Boring Liquid (N.S.R).				
		Total:	@	Rs	1.00 Job P.Job
3	Drilling of bore in all types of soil except shingle, gravel and rock. (SI.No 27-5/a-i-p/27-229).				
		Total:	@	Rs	250.00 feet P.feet
4	Digging of bore exeeding 250ft depth below ground level (S.I.No 27-5bi/27-229).				
		Total:	@	Rs	50.00 feet P.feet
5	Supply of PVC blind pipe of approved make registered with PSQCSA in tubewell bore hole (S.I.No 27-48/dvip/27-248).				
		Total:	@	Rs	180.00 feet P.feet
6	Supply of PVC strainer in tubewell bore hole including sockets and solvent (NSR).				
		Total:	@	Rs	120.00 feet P.feet
7	Installing uPVC blind pipe ILL, Dadex or equivalent make registered with PSQCA in tubewell bore hole and/or laying, cutting, jointing and testing uPVC pipe lines in trenches. (S.I.No 27-49/D-vi-p-27-251).				
		Total:	@	Rs	300.00 feet P.feet

8	Providing and installing M.S bail plug of approved make registered with PSQCA. (S.I.No 27-12/ip/27-231).	Total: @ Rs 1.00 feet P.feet
9	shrouding and installing with graded pea gravel 3/8 to 1/8"(10mm to 3mm) around tubewell bore hole. (S.I.No 27-21/p 27-234).	Total: @ Rs 367.00 Cft P.Cft
10	Logging tubewell Bore I/C lithology og bore strata chart (NSR).	Total: @ Rs 1.00 job P.job
11	Development / Testng of Tube well by compressor mechine (S.I.No 27-20-ap/27-234).	Total: @ Rs 1.00 job P.job
12	Levelling and dressing the ground by cutting and filling earth upto 150mm in depth including consolidating and watering. (SI.NO.3-53)	Total = 80000.0 Sqm @ Rs Sqm

Supply and Fixing of Concrete
pavers on 3" thick sand cushion
of different
designs having thickness of 60
mm, mechanically compressed,
minimum
strenght of 6000 psi after
laboratory testing at factory and
random testiing
at site as and when desired by
the Engineer incharge comple in
all respects.
a) 60 mm thick, tuff tiles Natural
gray
(SI.NO. 21-91)

Total	=	3000.0	Sft
@ Rs			Sft
Total		Rs:-	
G:Total		Rs:	

CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION N	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with excavated earth watering and ramming lead up to 30 m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
						Total=	405.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of binding wire etc.									
	5-44/A									
	BOTTOM SLAB	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		
						Total=	60.75	CFT		

5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls									
	S.I NO 5-22/B									
		1	1	33.50	0.75	7.00	175.88	CFT		
						Total	175.88	CFT		

6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/aiii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
					Total		268.00	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
					Total		33.50	Rft		

11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.								
	28-7/1								
		1	1	2.00		2.00	4.00	Sft	
						Total	4.00	Sft	
TOTAL									

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting bending, binding wastage and providing such overlap as are not shown on the drawings, the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		

5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.								
	S.I NO 9-2/ciii								
		1	2	7.57	0.66	7.00	69.95	CFT	
		1	2	13.50	0.66	7.00	124.74	CFT	
		1	2	6.00	0.66	7.00	55.44	CFT	
						Total	250.13	CFT	
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"								
	5-22/c								
		1	1	13.50	7.66	0.75	77.56	CFT	
							77.56	CFT	
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.								
	15-4/iii								
		1	1	2.00	21.32	6.00	255.84	Sft	
		1	1	4.00	7.66	6.00	183.84	Sft	
						Total	439.68	Sft	
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.								
	25-12/b								
		1	1	1.00	1.00	1.00	1.00	each	
						Total	1.00	each	
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.								
	13-16/a								
		1	1	1.00		2.00	2.00	No	
						Total	2.00	No	
TOTAL									

REPAIR AND RENOVATION OF BHU LAKI DISTRICT AWARAN
GENERAL ABSTRACT

S NO.	DESCRIPTION OF WORK	AMOUNT
1	REPAIR AND RENOVATION OF BHU LAKI DISTRICT AWARAN	
2	CONSTRUCTION OF BOUNDARY WALL 320 RFT	
3	CONSTRUCTION OF UNDER GROUND WATER TANK	
4	WATER BORE	
5	CONSTRUCTION OF SEPTIC TANK	

Total Rs. 8338448/-

Say Rs. 8.338 Million

REPAIR AND RENOVATION OF BHU LAKI DISTRICT AWARAN

S.No	Description	No	L	B/H	Qty	Rate	Amount
1	Scraping rubbing and cleaning of emulsion finish snowcem from wall and ceiling including removal of rubbish in all floors. (S.I No: 4-56)						
	Walls						
	Office	1	2 x	16.25 x 11.50	=	373.75	sft
		1	2 x	12.50 x 11.50	=	287.50	sft
	Ward	1	2 x	16.00 x 11.50	=	368.00	sft
		1	2 x	12.00 x 11.50	=	276.00	sft
	First Aid	1	2 x	12.50 x 11.50	=	287.50	sft
		1	2 x	6.00 x 11.50	=	138.00	sft
	Porch	1	1 x	17.00 x 8.50	=	144.50	sft
	Porch	1	1 x	10.00 x 8.50	=	85.00	sft
	Beam	1	1 x	17.00 x 3.00	=	51.00	sft
		1	1 x	10.00 x 3.00	=	30.00	sft
	Columns	1	2 x	3.32 x 7.50	=	49.80	sft
	Toilets	1	2 x	5.00 x 9.50	=	95.00	sft
		1	2 x	4.00 x 9.50	=	76.00	sft
		1	1 x	4.33 x 9.50	=	41.14	sft
		1	2 x	5.66 x 9.50	=	107.54	sft
	Outer Side	1	1 x	71.75 x 13.50	=	968.63	sft
	Shade	1	1 x	117.66 x 1.50	=	176.49	sft
	Toilets	1	1 x	14.67 x 11.00	=	161.37	sft
		1	2 x	6.33 x 11.00	=	139.26	sft
		1	2 x	5.33 x 11.00	=	117.26	sft
				Total A		3973.73	sft
	Deuction						
	D	1	x	2 x 3.50 x 7.00	=	49.00	sft
	D1	1	x	1 x 3.00 x 7.00	=	21.00	sft
	D2	1	x	2 x 2.50 x 7.00	=	35.00	sft
	W	1	x	5 x 4.00 x 4.00	=	80.00	sft
	v	1	x	2 x 1.50 x 1.50	=	4.50	sft
				Total B		189.50	sft
	Net Quantity(A---B)			3973.73	189.50	Total	3784.23 sft
2	Removing door with chowkat SINO.4-32/a						
	Main Building	1	x	2 x 3.50 x 7.00	=	49.00	sft
	Toilet Block	1	x	1 x 3.00 x 7.00	=	21.00	sft
		1	x	2 x 2.50 x 7.00	=	35.00	sft
				Total		105.00	sft
3	Removing Windows with chowkat SINO.4-32/b						
	w	1	x	4 x 4.00 x 4.00	=	64.00	sft
	v	1	x	1 x 1.50 x 1.50	=	2.25	sft
				Total		66.25	sft
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes SINO.4-19/a						
	Office	1	x	1 x 16.25 x 12.50	=	203.13	sft
	Ward	1	x	1 x 16.12 x 1.50	=	24.18	sft
	First Aid	1	x	1 x 12.50 x 6.00	=	75.00	sft
	Porch	1	x	1 x 17.00 x 10.00	=	170.00	sft
	Toilets & Bath	1	x	2 x 5.00 x 4.00	=	40.00	sft
	Wash Area	1	x	1 x 4.33 x 5.66	=	24.51	sft
				Total		536.81	sft
5	Providing and laying 1:2:4 cement concrete floor using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing. SINO.14-2/bii						
	Office	1	x	16.25 x 12.50	=	203.13	sft
	Ward	1	x	16.00 x 12.00	=	192.00	cft
	First Aid	1	x	12.50 x 6.00	=	75.00	cft
	Toilets	2	x	5.00 x 4.00	=	40.00	cft
	Wash Area	1	x	4.33 x 5.66	=	24.51	cft
				Total		534.63	sft
6	Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild						

steel sheets 16 gauge made by Sanyan Industries or equivalent standard

SINO.28-40/cii

(3.5+3.5+7.5+7.5=25)

(3.0+3.0+7.5+7.5=21)

(2.5+2.5+7.5+7.5=25)

2	x	1.00	x	25.00	=	50.00	sft
1	x	1.00	x	21.00	=	21.00	sft
2	x	1.00	x	20.00	=	40.00	sft
				Total		111.00	sft

- 7 providing and laying super white 12"x12" marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.

SINO.14-9/b

Office

Ward

First Aid

Porch

1	x	1	x	16.25	x	12.50	=	203.13	sft
1	x	1	x	16.00	x	12.00	=	192.00	sft
1	x	1	x	12.50	x	6.00	=	75.00	sft
1	x	1	x	17.00	x	10.00	=	170.00	sft
				Total		640.13	sft		

- 9 Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry of matching color, cleaning & curing.

SINO.14-64/a

Toilets & Bath

Wash Area

2	x	2	x	5.00	x	7.00	=	140.00	sft
4	x	2	x	4.00	x	7.00	=	224.00	sft
1	x	1	x	4.33	x	7.00	=	30.31	sft
1	x	2	x	5.66	x	7.00	=	79.24	sft
				Total		473.55	sft		

- 10 Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing

SINO.14-25/a

Toilets & Bath Floor

Wash Area

1	x	2	x	5.00	x	4.00	=	40.00	sft
1	x	1	x	4.33	x	5.66	=	24.51	sft
				Total		64.51	sft		

- 11 providing and laying Roof Screeding thick using 3/4 (19mm) including form work consolidating finishing and curing.

SINO.14-68/b

Main Building

Toilet Block

- 12 providing on old surface of wall with Berger concrete surfac including cleanding and ICI or equivalent on plastered rendered or sand preparing the surfac.

1	x	33.33	x	27.00		899.91	sft
1	x	17.66	x	9.33		164.7678	sft
				Total		1064.6778	sft

SINO.17-33/b
Same Quantity of item no.1

3784.23 sft

Total	3784.23
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- 13 painting on old surface on wood work with Berger /ICI or equivalent super gloss syenthetic enmal paint on wood

SINO.17-31

D	2	x	2	x	3.50	x	7.00	=	98.00	sft
D1	2	x	1	x	3.00	x	7.00	=	42.00	sft
D2	2	x	2	x	2.50	x	7.00	=	70.00	sft

Total	210.00
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- 14 Providing and fixing fully glazed single leaf hung/sliding aluminium windows, ventilators (Deluxe model - 1.6mm) of anodized champagne

SINO.28-24/1

Windows	5	x	4.00	x	4.00	=	80.00	sft
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Total	80.00
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- 15 providing and fixing iron grills as approved junction including with sunk iron screw design including weilding of all side at painting with two coat of red oxide.

SINO.28-27-1

Windows	5	x	5.00	x	5.00	=	125.00	sft
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Total	125.00
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Conversion in Kg

125	x	3.5	Total	437.50	Kg
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- 16 providing and fixing GI wire guaze 22 guage(1.15 mm) and 144 mesh per sq .inch with first class deodar beading with one sq inch as approved design.

SINO.16-40-A

Windows	5	x	5.00	x	5.00	=	125.00	sft
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Total	125.00
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- 17 providing and fixing first class deodar wood deodar wood shutter fully panelled with same wood and fixed with approved brass hinges and tower bolts

SINO.16-7/A

Doors	2	x	3.50	x	7.00	=	49.00	sft
Doors	1	x	3.00	x	7.00	=	21.00	sft
Doors	2	x	2.50	x	7.00	=	35.00	sft

Total	105.00
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CONSTRUCTION OF BOUNDARY WALL 320 RFT FOR BHU LAKI MASHKAY DISTRICT AWARAN

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with excavated earth watering and ramming lead up to 30 m lift up to 1.5m									
	3-21/Aiii									
	BOUNDARY WALL	1	1	320.00	2.50	2.50	2000.00	CFT		
	GATE COLUMNS FOOTING	1	3	3.00	3.00	3.00	81.00	CFT		
					Total=		2081.00	CFT		
2	Providing and laying cement concrate 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
	BOUNDARY WALL	1	1	320.00	2.50	0.25	200.00	CFT		
	GATE COLUMNS FOOTING	1	3	4.00	4.00	0.25	12.00	CFT		
						Total=	212.00	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such									
	5-44/A									
	Steel in Foundation									
	1/2" dia bars in found:	1	4	320.00	0.667	0.4536	580.61	KG		
	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
	1/2" dia bars in Col. C1	29	4	12.50	0.667	0.4536	438.70	KG		
	3/8" dia ring @ 9"c/c	29	15	3.75	0.375	0.4536	277.48	KG		
	1/2" dia bars in Col. C2	3	6	12.50	0.667	0.4536	68.07	KG		
	3/8" dia ring @ 9"c/c	3	15	6.50	0.375	0.4536	49.75	KG		
	Steel in Plinth Band									
	1/2" dia bars in found:	1	4	320.00	0.667	0.4536	387.27	KG		

	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
						Total=	2198.63	KG		
	WEIGHT IN TON						2.199	KG		
4	Providing and laying cement concrete 1:2:4 (1 cement 2 sand 4 crush) using crushed size 19mm (3/4") and down gauge in foundation bed including levelling , form work , compacting , curing , and removal of form work.									
	5-8-c									
	BOUNDRY WALL	1	1	320.00	2.00	0.75	480.00	CFT		
	GATE COLUMNS FOOTING	3	1	8.00	8.00	1.50	288.00	CFT		
						Total=	768.00	CFT		
5	Providing and laying plain hand mixed cement concrete using sand approved source and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation and plinth including									
	S.I NO 5-4/a									
	BOUNDRY WALL	1	1	320.00	1.50	1.50	720.00	CFT		
	GATE COLUMNS FOOTING	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step									
	BOUNDRY WALL	1	1	320.00	1.125	0.75	270.00	CFT		
	GATE COLUMNS FOOTING	3	1	2.50	1.125	2.00	16.88	CFT		
				Total=		(A)	1030.50	CFT		
	1st Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.125	0.75	18.35	CFT		
	COLUMNS C2	3	1	2.50	1.125	1.00	8.44	CFT		
				Total=		(B)	99.35	CFT		
	Net QUANTITY					(A -- B)	931.15	CFT		
6	Providing and laying in Situ cement concrete 1 : 2 : 4 (1 cement 2 sand 4 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work									
	5-15/C									
	1st Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		

	2nd Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.13	1.00	24.47	CFT		
	COLUMNS C2	3	1	2.50	1.13	1.00	8.44	CFT		
						Total=	105.47	CFT		
7	Providing and laying 1:2:4 cement concrete using shingle or bajri 19mm and down gauge in plinth band, door band and roof band of required shape or section including formwork and its removal, compacting and curing in basement and ground floor but excluding the cost of reinforcement.									
	5-49/a									
	PLINTH BAND CONCRETE									
	BOUNDRY WALL	1	1	320.00	1.000	0.75	240.00	CFT		
	GATE COLUMNS FOOTING	3	1	1.50	1.50	0.75	5.06	CFT		
						Total=	245.06	CFT		
8	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) and down gauge in ground floor super-structure									
	S.I NO 9-7/Cii									
	Wall in super structure									
	BOUNDRY WALL	1	1	320.00	0.58	6.00	1113.60	CFT		
						Total=	1113.60	CFT		
						sub total A	1113.60	CFT		
	Ded: Columns C1	29	1	0.75	0.58	6.00	75.69	CFT		
						sub total B	75.69	CFT		
	NET QUANTITY					A-B	1037.91	CFT		

9	Providing and laying in Situ cement concrete 1:2:4 (1 cement 2 sand 3 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work								
5-15-c									
	S. STRUCTURE COLUMNS CONCRETE								
	COLUMNS C1	29	1	0.75	0.58	6.00	75.69	CFT	
	COLUMNS C2	3	1	1.50	1.50	6.00	40.50	CFT	
						Total=	116.19	CFT	
11	19mm (3/4") thick cement plaster 1:4 cement mortar ratio on wall and columns in basement plinth and ground floor including making edges corner and curing.								
15-4/iii									
	BOUNDRY WALL	1	2	320.00		7.00	4480.00	CFT	
					Total		4480.00	SFT	
12	Applying weather resistant paint coating such as ICI weather shield, Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10								
17-69-1									
	SAME QTY OF PLASTER								
					Total		4480.00	SFT	
13	Providing and fixing steel grated double leaf Gate with locking arrangement, and angle iron (2" x 2" x .375") for frame, middle strip 6.4 mm (.25) thick gusset plate 75 mm x 75 mm (3" x 3") at each edge and 19 mm (.75) M.S square or round bars 5/8" or 6/8" dia at 100 mm (4) center to center including two coats of red oxide paint as per the direction of Engineer Incharge.								
28-18-1									
	M. GATE	1	1	12.00	7.00		84.00	SFT	
	SIDE GATE	1	1	4.00	7.00		28.00	SFT	
					Total		112.00	SFT	
					4.3	112.00	487.20	SFT	
							487.20	SFT	

	TOTAL	
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DETAILED ESITAMTE FOR THE BORE , LEVLLING TUFF TILE

S.NO	ITEM OF WORK	QTY:	REATE	UNIT	AMOUNT
1	Mobilization of Drilling accessories to site of work (N.S.R).				
		Total:	@	Rs	1.00 Job P.Job
2	Digging of pits for Boring Liquid (N.S.R).				
		Total:	@	Rs	1.00 Job P.Job
3	Drilling of bore in all types of soil except shingle, gravel and rock. (SI.No 27-5/a-i-p/27-229).				
		Total:	@	Rs	250.00 feet P.feet
4	Digging of bore exeeding 250ft depth below ground level (S.I.No 27-5bi/27-229).				
		Total:	@	Rs	50.00 feet P.feet
5	Supply of PVC blind pipe of approved make registered with PSQCSA in tubewell bore hole (S.I.No 27-48/dvip/27-248).				
		Total:	@	Rs	180.00 feet P.feet
6	Supply of PVC strainer in tubewell bore hole including sockets and solvent (NSR).				
		Total:	@	Rs	120.00 feet P.feet
7	Installing uPVC blind pipe ILL, Dadex or equivalent make registered with PSQCA in tubewell bore hole and/or laying, cutting, jointing and testing uPVC pipe lines in trenches. (S.I.No 27-49/D-vi-p-27-251).				
		Total:	@	Rs	300.00 feet P.feet

8	Providing and installing M.S bail plug of approved make registered with PSQCA. (S.I.No 27-12/ip/27-231).	Total: @ Rs 1.00 feet P.feet
9	shrouding and installing with graded pea gravel 3/8 to 1/8"(10mm to 3mm) around tubewell bore hole. (S.I.No 27-21/p 27-234).	Total: @ Rs 367.00 Cft P.Cft
10	Logging tubewell Bore I/C lithology og bore strata chart (NSR).	Total: @ Rs 1.00 job P.job
11	Development / Testng of Tube well by compressor mechine (S.I.No 27-20-ap/27-234).	Total: @ Rs 1.00 job P.job
12	Levelling and dressing the ground by cutting and filling earth upto 150mm in depth including consolidating and watering. (SI.NO.3-53)	Total = 80000.0 Sqm @ Rs Sqm

Supply and Fixing of Concrete
pavers on 3" thick sand cushion
of different
designs having thickness of 60
mm, mechanically compressed,
minimum
strenght of 6000 psi after
laboratory testing at factory and
random testiing
at site as and when desired by
the Engineer incharge comple in
all respects.
a) 60 mm thick, tuff tiles Natural
gray
(SI.NO. 21-91)

Total	=	3000.0	Sft
@ Rs			Sft
Total		Rs:-	
G:Total		Rs:	

CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
						Total=	405.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	BOTOM SLAM	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		

						Total=	60.75	CFT		
5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls									
	S.I NO 5-22/B									
		1	1	33.50	0.75	7.00	175.88	CFT		
						Total	175.88	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/aiii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
						Total	268.00	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									

		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
					Total	33.50	33.50	Rft		
11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.									
	28-7/1									
		1	1	2.00		2.00	4.00	Sft		
					Total	4.00	4.00	Sft		
TOTAL										

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		
5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.									
	S.I NO 9-2/ciii									

		1	2	7.57	0.66	7.00	69.95	CFT		
		1	2	13.50	0.66	7.00	124.74	CFT		
		1	2	6.00	0.66	7.00	55.44	CFT		
						Total	250.13	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	13.50	7.66	0.75	77.56	CFT		
							77.56	CFT		
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.									
	15-4/iii									
		1	1	2.00	21.32	6.00	255.84	Sft		
		1	1	4.00	7.66	6.00	183.84	Sft		
					Total		439.68	Sft		
9	Providing and fixing step iron or foot rest in manhole chambersincluding setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	1.00	1.00	each		
						Total	1.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	13-16/a									
		1	1	1.00		2.00	2.00	No		
					Total		2.00	No		
TOTAL										

REPAIR AND RENOVATION OF BHU MANGULI DISTRICT AWARAN
GENERAL ABSTRACT

<i>S NO.</i>	<i>DESCRIPTION OF WORK</i>	<i>AMOUNT</i>
1	REPAIR & RENOVATION OF BHU BUILDING AND BOUNDARY WALL MANGULI	
2	CONSTRUCTION OF UNDER GROUND WATER TANK	
3	WATER BORE	
4	CONSTRUCTION OF SEPTIC TANK	

Total Rs. 6415135/-

Say Rs. 6.415 Million

DETAIL ESTIMATE FOR REPAIR AND RENOVATION OF BHU MANGULI DISTRICT AWARAN.

S.No	Description	No	L	B/H	Qty	Rate	Amounte
1	Scraping rubbing and cleaning of emulsion finish snowcem from wall and ceiling including removal of rubbish in all floors. (S.I No: 4-56)				0		
	CEILING						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 sft
	First Aid	1	x	12.50	x	6.00	= 75.00 sft
	Porch	1	x	17.00	x	10.00	= 170.00 sft
	Toilet	2	x	5.00	x	4.00	= 40.00 sft
		1	x	4.33	x	5.67	= 24.55 sft
	Walls						
	Office	1	2	x	16.25	x	11.50 = 373.75 sft
		1	2	x	12.50	x	11.50 = 287.50 sft
	Ward	1	2	x	16.00	x	11.50 = 368.00 sft
		1	2	x	12.00	x	11.50 = 276.00 sft
	First Aid	1	2	x	12.50	x	11.50 = 287.50 sft
		1	2	x	6.00	x	11.50 = 138.00 sft
	Porch	1	1	x	17.00	x	8.50 = 144.50 sft
	Porch	1	1	x	10.00	x	8.50 = 85.00 sft
	Beam	1	1	x	17.00	x	3.00 = 51.00 sft
		1	1	x	10.00	x	3.00 = 30.00 sft
	Columns	1	2	x	3.32	x	7.50 = 49.80 sft
	Toilets	1	2	x	5.00	x	9.50 = 95.00 sft
		1	2	x	4.00	x	9.50 = 76.00 sft
		1	1	x	4.33	x	9.50 = 41.14 sft
		1	2	x	5.66	x	9.50 = 107.54 sft
	Outer Side	1	1	x	71.75	x	13.50 = 968.63 sft
	Shade	1	1	x	117.66	x	1.50 = 176.49 sft
	Toilets	1	1	x	14.67	x	11.00 = 161.37 sft
		1	2	x	6.33	x	11.00 = 139.26 sft
		1	2	x	5.33	x	11.00 = 117.26 sft
						Total A	4678.41 sft
	Deuction						
	D	1	x	2	x	3.50 x 7.00	= 49.00 sft
	D1	1	x	1	x	3.00 x 7.00	= 21.00 sft
	D2	1	x	2	x	2.50 x 7.00	= 35.00 sft
	W	1	x	5	x	4.00 x 4.00	= 80.00 sft
	v	1	x	2	x	1.50 x 1.50	= 4.50 sft
						Total B	189.50 sft
	Net Quantity(A---B)		4678.41		189.50	Total	4488.91 sft
2	Removing door with chowkat						
	SINO.4-32/a						
	Main Building	1	x	2	x	3.50 x 7.00	= 49.00 sft
	Toilet Block	1	x	1	x	3.00 x 7.00	= 21.00 sft
		1	x	2	x	2.50 x 7.00	= 35.00 sft
						Total	105.00 sft
3	Removing Windows with chowkat						
	SINO.4-32/b						
	w	1	x	4	x	4.00 x 4.00	= 64.00 sft
	v	1	x	1	x	1.50 x 1.50	= 2.25 sft
						Total	66.25 sft
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes						
	SINO.4-19/a						
	Office	1	x	1	x	16.25 x 12.50	= 203.13 sft
	Ward	1	x	1	x	16.12 x 1.50	= 24.18 sft
	First Aid	1	x	1	x	12.50 x 6.00	= 75.00 sft
	Porch	1	x	1	x	17.00 x 10.00	= 170.00 sft
	Toilets & Bath	1	x	2	x	5.00 x 4.00	= 40.00 sft
	Wash Area	1	x	1	x	4.33 x 5.66	= 24.51 sft
						Total	536.81 sft
5	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.						
	SINO.14-2/bii						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 cft
	First Aid	1	x	12.50	x	6.00	= 75.00 cft

Toilets	2	x	5.00	x	4.00	x	=	40.00	cft
Wash Area	1	x	4.33	x	5.66	x	=	24.51	cft
Total								534.63	sft

- 6 Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard

SINO.28-40/cii									
(3.5+3.5+7.5+7.5=25)	2	x	1.00	x	25.00		=	50.00	sft
(3.0+3.0+7.5+7.5=21)	1	x	1.00	x	21.00		=	21.00	sft
(2.5+2.5+7.5+7.5=25)	2	x	1.00	x	20.00		=	40.00	sft
Total								111.00	sft

or approved color of paint, Chawara, Pakistan Cable or any approved section as approved by Engineer incharge including aluminium fittings, 5 mm local tinted glass, lugs, cutting holes and making good the damages to walls.

SINO.28-24/1

Windows	5	x	4.00	x	4.00	=	80.00	sft
Total								80.00 sft

- 15 providing and fixing iron grills as approved junction including with sunk iron screw design including welding of all side at painting with two coat of red oxide.

SINO.28-27-1

Windows	5	x	5.00	x	5.00	=	125.00	sft
Total								125.00 sft
Conversion in Kg	125	x	3.5	Total				437.50 Kg

12	Applying weather resistant paint coating such as ICI weather shield, Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffolding and removal of debris etc. @ atleast 3.50 litre per 10									
	17-69-1									
	SAME QTY OF PLASTER									
							4480.00	SFT		
13	Providing and fixing steel grated double leaf Gate with locking arrangement, and angle iron (2" x 2" x .375") for frame, middle strip 6.4 mm (.25) thick gusset plate 75 mm x 75 mm (3" x 3") at each edge and 19 mm (.75) M.S square or round bars 5/8" or 6/8" dia at 100 mm (4) center to center including two coats of red oxide paint as per the direction of Engineer Incharge.									
	28-18-1									
	M. GATE	1	1	###	7.00		84.00	SFT		
	SIDE GATE	1	1	###	7.00		28.00	SFT		
					Total		112.00	SFT		
					4.3	112.00	487.20	SFT		
							487.20	SFT		

- 16 providing and fixing GI wire guaze 22 guage (1.15 mm) and 144 mesh per sq .inch with first class deodar beading with one sq inch as approved design.

SINO.16-40-A

Windows	5	x	5.00	x	5.00	=	125.00	sft
Total								125.00 sft

- 17 providing and fixing first class deodar wood deodar wood shutter fully panelled with same wood and fixed with approved brass hinges and tower bolts

SINO.16-7/A

Doors	2	x	3.50	x	7.00	=	49.00	sft
Doors	1	x	3.00	x	7.00	=	21.00	sft
Doors	2	x	2.50	x	7.00	=	35.00	sft
Total								105.00 sft

SANITARY FITTING AND WATER SUPPLY

18	Providing and fixing export quality glazed earthen ware wash basin manufactured by ICL Boch/Karam Cera or equivalent approved make with single hole chromium plated mixer tap 1/2" (15mm), pillar tap delux, stop cocks, C.I. or W.I. brackets 6" (150mm) built into walls 1.5" (40mm) C.P. brass waste with malleable iron or C.P. brass trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material	1	x	1	=	1	Nos
SINO.23-5				Total		1	Nos
19	providing fixing stainless steel sink Pakistan made with C.I. or W.I brackets 6" built in wall, 1.5" (40 mm) rubber plug,C.P. brass chain, C.P. brass waste, pillar tap 2 way delux, 1.5" dia malleable iron or C.P. brass trap and unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material	1	x	1	=	1	Nos
SINO.23-8/a						1	Nos
20	providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with screw.						
SINO.23-15-1 Baths		1	x	1	x	1	
				Total		1	sft
21	Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.						
SINO.23-2/a		1	x	2	=	2	Nos
				Total		2	Nos
22	providing and fixing approved make plastic accessories.						
SINO.23-30 Soap Dish		1	x	2	=	2	Nos
				Total		2	Nos
23	Toilet paper Holder	1	x	2	=	2	Nos
				Total		2	Nos
24	Towel Rod						
SINO.23-30		1	x	3	=	3	Nos
				Total		3	Nos
25	providing and fixing approved quality bib cock						
SINO.23-34/B		1	x	2	=	2	Nos
				Total		2	Nos
26	providing laying cutting jointing and disinfecting G.I Pipe lill make or equavilient.						
SINO.23-52/Aii		1	x	210	=	210	Rft
				Total		210	Rft

INTERNAL ELECTRIFICATION

27	Light circuit concealed/open wiring with length upto 75 ft. (25m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings.	1	x	6	=	6	point
	SINO.30-1			Total		6	point
28	Wiring of 5 Amps. socket outlet with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.						
	SINO.30-9	2	x	12	=	24	Rm
				Total		24	Rm
29	supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories.						
	SINO.30-87	1	x	4	=	4	point
				Total		4	point
30	fixing fan to ceiling						
	SINO.30-89/B	1	x	4	=	4	point
				Total		4	point
31	supply and installation 20" (500 mm) sweep revolving bracket fan with guard						
	SINO.30-114	1	x	2	Total	= 2	point
						2	point
32	Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.						
		1	x	2		2	
	SINO.30-113				Total	= 2	point
33	Supply and install Energy Saver electric bulbs 25W Philips energy save						
		1	x	15		15	
	SINO.30-117/C				Total	= 15	point
34	Providing and fixing LDPE overhead tank manufactured by Dura or equivalent on top of any floor louvers.						
	SINO.27-44	1	x	1		1	Nos
					Total	= 1	Nos
35	Supply and install Electric motors with pump including all accessories.						
36							
	SINO.30-118/a				Total	= 1	point
37	Supply and install 35 gallons electric geyser						
	SINO.30-123/a				Total	= 1	point
38	R.C.C pipe with bell & spigot or tongued & grooved joint conforming to ASTM C-76 class II wall B or BS 3911 Part I class M including cost of reinforcement. 12" (300 mm) inner dia						
	SINO.25-1/bi	1	x	50		50	
					Total	= 50	Rft
39	Providing manhole type 'A' size 24" x 18" (inside dimensions) as per approved design and specifications complete for						

depth with 16" dia.Concrete Cover fixed in
4" thick RCC 1:2:4 slab (with 5 lbs per Cu.ft. or 80 kg/Cu.m of steel), burnt brick masonry walls 9" (225 mm) thick set in 1:3 cement sand mortar, 6" thick 1:3:6 cement concrete in foundation, 4" av. thickness 1:2:4 cement concrete in benching and 1/2" (13mm) thick cement sand plaster in 1:3 to all inside wall surfaces,

SINO.25-4/a

1 x

3

3

Total	=	3	Rft
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40 Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes confirming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings, connnections and jointing material

SINO.27-46/av

1 x

100

100

Total	=	100	Rft
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DETAILED ESITAMTE FOR THE BORE , LEVLLING TUFF TILE

S.NO	ITEM OF WORK	QTY:	REATE	UNIT	AMOUNT
1	Mobilization of Drilling accessories to site of work (N.S.R).				
		Total:	@	Rs	1.00 Job P.Job
2	Digging of pits for Boring Liquid (N.S.R).				
		Total:	@	Rs	1.00 Job P.Job
3	Drilling of bore in all types of soil except shingle, gravel and rock. (SI.No 27-5/a-i-p/27-229).				
		Total:	@	Rs	250.00 feet P.feet
4	Digging of bore exeeding 250ft depth below ground level (S.I.No 27-5bi/27-229).				
		Total:	@	Rs	50.00 feet P.feet
5	Supply of PVC blind pipe of approved make registered with PSQCSA in tubewell bore hole (S.I.No 27-48/dvip/27-248).				
		Total:	@	Rs	180.00 feet P.feet
6	Supply of PVC strainer in tubewell bore hole including sockets and solvent (NSR).				
		Total:	@	Rs	120.00 feet P.feet
7	Installing uPVC blind pipe ILL, Dadex or equivalent make registered with PSQCA in tubewell bore hole and/or laying, cutting, jointing and testing uPVC pipe lines in trenches. (S.I.No 27-49/D-vi-p-27-251).				
		Total:	@	Rs	300.00 feet P.feet

8	Providing and installing M.S bail plug of approved make registered with PSQCA. (S.I.No 27-12/ip/27-231).	Total: @ Rs 1.00 feet P.feet
9	shrouding and installing with graded pea gravel 3/8 to 1/8"(10mm to 3mm) around tubewell bore hole. (S.I.No 27-21/p 27-234).	Total: @ Rs 367.00 Cft P.Cft
10	Logging tubewell Bore I/C lithology og bore strata chart (NSR).	Total: @ Rs 1.00 job P.job
11	Development / Testng of Tube well by compressor mechine (S.I.No 27-20-ap/27-234).	Total: @ Rs 1.00 job P.job
12	Levelling and dressing the ground by cutting and filling earth upto 150mm in depth including consolidating and watering. (SI.NO.3-53)	Total = 80000.0 Sqm @ Rs Sqm

Supply and Fixing of Concrete
pavers on 3" thick sand cushion
of different
designs having thickness of 60
mm, mechanically compressed,
minimum
strenght of 6000 psi after
laboratory testing at factory and
random testiing
at site as and when desired by
the Engineer incharge comple in
all respects.
a) 60 mm thick, tuff tiles Natural
gray
(SI.NO. 21-91)

Total	=	3000.0	Sft
@ Rs			Sft
Total		Rs:-	
G:Total		Rs:	

CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
						Total=	405.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	BOTOM SLAM	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		

						Total=	60.75	CFT		
5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls									
	S.I NO 5-22/B									
		1	1	33.50	0.75	7.00	175.88	CFT		
						Total	175.88	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/aiii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
						Total	268.00	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									

		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
						Total	33.50	Rft		
11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.									
	28-7/1									
		1	1	2.00		2.00	4.00	Sft		
						Total	4.00	Sft		
TOTAL										

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting bending, binding wastage and providing such overlap as are not shown on the drawings, the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		
5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.									
	S.I NO 9-2/ciii									

		1	2	7.57	0.66	7.00	69.95	CFT		
		1	2	13.50	0.66	7.00	124.74	CFT		
		1	2	6.00	0.66	7.00	55.44	CFT		
						Total	250.13	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	13.50	7.66	0.75	77.56	CFT		
							77.56	CFT		
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.									
	15-4/iii									
		1	1	2.00	21.32	6.00	255.84	Sft		
		1	1	4.00	7.66	6.00	183.84	Sft		
					Total		439.68	Sft		
9	Providing and fixing step iron or foot rest in manhole chambersincluding setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	1.00	1.00	each		
						Total	1.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	13-16/a									
		1	1	1.00		2.00	2.00	No		
					Total		2.00	No		
TOTAL										

REPAIR AND RENOVATION OF BHU NADAGO DISTRICT AWARAN
GENERAL ABSTRACT

<i>S NO.</i>	<i>DESCRIPTION OF WORK</i>	<i>AMOUNT</i>
2	CONSTRUCTION OF BOUNDARY WALL 320 RFT	
3	CONSTRUCTION OF UNDER GROUND WATER TANK	
4	CONSTRUCTION OF SEPTIC TANK	

Total Rs. 4618407/-

Say Rs. 4.618 Million

CONSTRUCTION OF BOUNDARY WALL 320 RFT FOR BHU NADAGO DISTRICT AWARAN

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m lift up to 1.5m									
	3-21/Aiii									
	BOUNDARY WALL	1	1	320.00	2.50	2.50	2000.00	CFT		
	GATE COLUMNS FOOTING	1	3	3.00	3.00	3.00	81.00	CFT		
						Total=	2081.00	CFT		
2	Providing and laying cement concrate 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
	BOUNDARY WALL	1	1	320.00	2.50	0.25	200.00	CFT		
	GATE COLUMNS FOOTING	1	3	4.00	4.00	0.25	12.00	CFT		
						Total=	212.00	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcment for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such									
	5-44/A									
	Steel in Foundation									
	1/2" dia bars in found:	1	4	320.00	0.667	0.4536	580.61	KG		
	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
	1/2" dia bars in Col. C1	29	4	12.50	0.667	0.4536	438.70	KG		
	3/8" dia ring @ 9"c/c	29	15	3.75	0.375	0.4536	277.48	KG		
	1/2" dia bars in Col. C2	3	6	12.50	0.667	0.4536	68.07	KG		
	3/8" dia ring @ 9"c/c	3	15	6.50	0.375	0.4536	49.75	KG		
	Steel in Plinth Band									
	1/2" dia bars in found:	1	4	320.00	0.667	0.4536	387.27	KG		

	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
						Total=	2198.63	KG		
	WEIGHT IN TON						2.199	KG		
4	Providing and laying cement concrete 1:2:4 (1 cement 2 sand 4 crush) using crushed size 19mm (3/4") and down gauge in foundation bed including levelling , form work , compacting , curing , and removal of form work.									
	5-8-c									
	BOUNDRY WALL	1	1	320.00	2.00	0.75	480.00	CFT		
	GATE COLUMNS FOOTING	3	1	8.00	8.00	1.50	288.00	CFT		
						Total=	768.00	CFT		
5	Providing and laying plain hand mixed cement concrete using sand approved source and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation and plinth including									
	S.I NO 5-4/a									
	BOUNDRY WALL	1	1	320.00	1.50	1.50	720.00	CFT		
	GATE COLUMNS FOOTING	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step									
	BOUNDRY WALL	1	1	320.00	1.125	0.75	270.00	CFT		
	GATE COLUMNS FOOTING	3	1	2.50	1.125	2.00	16.88	CFT		
				Total=		(A)	1030.50	CFT		
	1st Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.125	0.75	18.35	CFT		
	COLUMNS C2	3	1	2.50	1.125	1.00	8.44	CFT		
				Total=		(B)	99.35	CFT		
	Net QUANTITY					(A -- B)	931.15	CFT		
6	Providing and laying in Situ cement concrete 1 : 2 : 4 (1 cement 2 sand 4 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work									
	5-15/C									
	1st Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		

	2nd Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.13	1.00	24.47	CFT		
	COLUMNS C2	3	1	2.50	1.13	1.00	8.44	CFT		
						Total=	105.47	CFT		
7	Providing and laying 1:2:4 cement concrete using shingle or bajri 19mm and down gauge in plinth band, door band and roof band of required shape or section including formwork and its removal, compacting and curing in basement and ground floor but excluding the cost of reinforcement.									
	5-49/a									
	PLINTH BAND CONCRETE									
	BOUNDRY WALL	1	1	320.00	1.000	0.75	240.00	CFT		
	GATE COLUMNS FOOTING	3	1	1.50	1.50	0.75	5.06	CFT		
						Total=	245.06	CFT		
8	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) and down gauge in ground floor super-structure									
	S.I NO 9-7/Cii									
	Wall in super structure									
	BOUNDRY WALL	1	1	320.00	0.58	6.00	1113.60	CFT		
						Total=	1113.60	CFT		
					sub total A		1113.60	CFT		
	Ded: Columns C1	29	1	0.75	0.58	6.00	75.69	CFT		
					sub total B		75.69	CFT		
	NET QUANTITY				A-B		1037.91	CFT		

9	Providing and laying in Situ cement concrete 1:2:4 (1 cement 2 sand 3 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work									
	5-15-c									
	S. STRUCTURE COLUMNS CONCRETE									
	COLUMNS C1	29	1	0.75	0.58	6.00	75.69	CFT		
	COLUMNS C2	3	1	1.50	1.50	6.00	40.50	CFT		
						Total=	116.19	CFT		
11	19mm (3/4") thick cement plaster 1:4 cement mortar ratio on wall and coloumns in basment plinth and ground floor including making edges cornor and curing.									
	15-4/iii									
	BOUNDRY WALL	1	2	320.00		7.00	4480.00	CFT		
						Total	4480.00	SFT		
12	Applying weather resistant paint coating such as ICI weather shield,Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials,scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10									
	17-69-1									
	SAME QTY OF PLASTER									
						Total	4480.00	SFT		
13	Providing and fixing steel grated double leaf Gate with locking arrangement, and angle iron (2" x 2" x .375") for frame, middle strip 6.4 mm (.25) thick gusset plate 75 mm x 75 mm (3" x 3") at each edge and 19 mm (.75) M.S square or round bars 5/8" or 6/8" dia at 100 mm (4) center to center including two coats of red oxide paint as per the direction of Engineer Incharge.									
	28-18-1									
	M. GATE	1	1	12.00	7.00		84.00	SFT		
	SIDE GATE	1	1	4.00	7.00		28.00	SFT		
						Total	112.00	SFT		
					4.3	112.00	487.20	SFT		
							487.20	SFT		
TOTAL										

CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
						Total=	405.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	BOTOM SLAM	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		

						Total=	60.75	CFT		
5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls									
	S.I NO 5-22/B									
		1	1	33.50	0.75	7.00	175.88	CFT		
						Total	175.88	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/aiii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
						Total	268.00	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									

		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
						Total	33.50	Rft		
11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.									
	28-7/1									
		1	1	2.00		2.00	4.00	Sft		
						Total	4.00	Sft		
TOTAL										

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting bending, binding wastage and providing such overlap as are not shown on the drawings, the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		
5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.									
	S.I NO 9-2/ciii									

		1	2	7.57	0.66	7.00	69.95	CFT		
		1	2	13.50	0.66	7.00	124.74	CFT		
		1	2	6.00	0.66	7.00	55.44	CFT		
						Total	250.13	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	13.50	7.66	0.75	77.56	CFT		
							77.56	CFT		
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.									
	15-4/iii									
		1	1	2.00	21.32	6.00	255.84	Sft		
		1	1	4.00	7.66	6.00	183.84	Sft		
					Total		439.68	Sft		
9	Providing and fixing step iron or foot rest in manhole chambersincluding setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	1.00	1.00	each		
						Total	1.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	13-16/a									
		1	1	1.00		2.00	2.00	No		
					Total		2.00	No		
TOTAL										

REPAIR AND RENOVATION OF BHU PARWAR DISTRICT AWARAN
GENERAL ABSTRACT

<i>S NO.</i>	<i>DESCRIPTION OF WORK</i>	<i>AMOUNT</i>
1	REPAIR & RENOVATION OF BHU BUILDING AND BOUNDARY WALL PARWAR	
2	CONSTRUCTION OF UNDER GROUND WATER TANK	
3	CONSTRUCTION OF SEPTIC TANK	

Total Rs. 4106718/-

Say Rs. 4.107 Million

DETAIL ESTIMATE FOR REPAIR AND RENOVATION OF BHU PARWAR DISTRICT AWARAN.

S.No	Description	No	L	B/H	Qty	Rate	Amounte
1	Scraping rubbing and cleaning of emulsion finish snowcem from wall and ceiling including removal of rubbish in all floors. (S.I No: 4-56)						0
	CEILING						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 sft
	First Aid	1	x	12.50	x	6.00	= 75.00 sft
	Porch	1	x	17.00	x	10.00	= 170.00 sft
	Toilet	2	x	5.00	x	4.00	= 40.00 sft
		1	x	4.33	x	5.67	= 24.55 sft
	Walls						
	Office	1	2	x	16.25	x	11.50 = 373.75 sft
		1	2	x	12.50	x	11.50 = 287.50 sft
	Ward	1	2	x	16.00	x	11.50 = 368.00 sft
		1	2	x	12.00	x	11.50 = 276.00 sft
	First Aid	1	2	x	12.50	x	11.50 = 287.50 sft
		1	2	x	6.00	x	11.50 = 138.00 sft
	Porch	1	1	x	17.00	x	8.50 = 144.50 sft
	Porch	1	1	x	10.00	x	8.50 = 85.00 sft
	Beam	1	1	x	17.00	x	3.00 = 51.00 sft
		1	1	x	10.00	x	3.00 = 30.00 sft
	Columns	1	2	x	3.32	x	7.50 = 49.80 sft
	Toilets	1	2	x	5.00	x	9.50 = 95.00 sft
		1	2	x	4.00	x	9.50 = 76.00 sft
		1	1	x	4.33	x	9.50 = 41.14 sft
		1	2	x	5.66	x	9.50 = 107.54 sft
	Outer Side	1	1	x	71.75	x	13.50 = 968.63 sft
	Shade	1	1	x	117.66	x	1.50 = 176.49 sft
	Toilets	1	1	x	14.67	x	11.00 = 161.37 sft
		1	2	x	6.33	x	11.00 = 139.26 sft
		1	2	x	5.33	x	11.00 = 117.26 sft
					Total A		4678.41 sft
	Deuction						
	D	1	x	2	x	3.50	x 7.00 = 49.00 sft
	D1	1	x	1	x	3.00	x 7.00 = 21.00 sft
	D2	1	x	2	x	2.50	x 7.00 = 35.00 sft
	W	1	x	5	x	4.00	x 4.00 = 80.00 sft
	v	1	x	2	x	1.50	x 1.50 = 4.50 sft
					Total B		189.50 sft
	Net Quantity(A---B)		4678.41		189.50	Total	4488.91 sft
2	Removing door with chowkat						
	SINO.4-32/a						
	Main Building	1	x	2	x	3.50	x 7.00 = 49.00 sft
	Toilet Block	1	x	1	x	3.00	x 7.00 = 21.00 sft
		1	x	2	x	2.50	x 7.00 = 35.00 sft
					Total		105.00 sft
3	Removing Windows with chowkat						
	SINO.4-32/b						
	w	1	x	4	x	4.00	x 4.00 = 64.00 sft
	v	1	x	1	x	1.50	x 1.50 = 2.25 sft
					Total		66.25 sft
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes						
	SINO.4-19/a						
	Office	1	x	1	x	16.25	x 12.50 = 203.13 sft
	Ward	1	x	1	x	16.12	x 1.50 = 24.18 sft
	First Aid	1	x	1	x	12.50	x 6.00 = 75.00 sft
	Porch	1	x	1	x	17.00	x 10.00 = 170.00 sft
	Toilets & Bath	1	x	2	x	5.00	x 4.00 = 40.00 sft
	Wash Area	1	x	1	x	4.33	x 5.66 = 24.51 sft
					Total		536.81 sft
5	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.						
	SINO.14-2/bii						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 cft
	First Aid	1	x	12.50	x	6.00	= 75.00 cft
	Toilets	2	x	5.00	x	4.00	= 40.00 cft
	Wash Area	1	x	4.33	x	5.66	= 24.51 cft
					Total		534.63 sft

- 6 Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard

SINO.28-40/cii

(3.5+3.5+7.5+7.5=25)	2	x	1.00	x	25.00	=	50.00	sft
(3.0+3.0+7.5+7.5=21)	1	x	1.00	x	21.00	=	21.00	sft
(2.5+2.5+7.5+7.5=25)	2	x	1.00	x	20.00	=	40.00	sft
					Total		111.00	sft

7	providing and laying super white 12"x12" marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.										
	SINO.14-9/b										
	Office	1	x	1	x	16.25	x	12.50	=	203.13	sft
	Ward	1	x	1	x	16.00	x	12.00	=	192.00	sft
	First Aid	1	x	1	x	12.50	x	6.00	=	75.00	sft
	Porch	1	x	1	x	17.00	x	10.00	=	170.00	sft
						Total				0.00	sft
9	Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry of matching color, cleaning & curing.										
	SINO.14-64/a										
	Toilets & Bath	2	x	2	x	5.00	x	7.00	=	140.00	sft
		4	x	2	x	4.00	x	7.00	=	224.00	sft
	Wash Area	1	x	1	x	4.33	x	7.00	=	30.31	sft
		1	x	2	x	5.66	x	7.00	=	79.24	sft
						Total				473.55	sft
10	Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing										
	SINO.14-25/a										
	Toilets & Bath Floor	1	x	2	x	5.00	x	4.00	=	40.00	sft
	Wash Area	1	x	1	x	4.33	x	5.66	=	24.51	sft
						Total				64.51	sft
11	providing and laying Roof Screeding thick using 3/4 (19mm) including form work consolidating finishing and curring.										
	SINO.14-68/b										
	Main Building	1	x	33.33	x			27.00		899.91	sft
	Toilet Block	1	x	17.66	x			9.33		164.7678	sft
						Total				1064.6778	sft
12	providing on old surface of wall with Bergerconcrete surfac including cleanding and ICI or equvalint on plastered rendered orsand preparing the surfac.										
	SINO.17-33/b										
	Same Quantity of item no.1									4488.91	sft
						Total				4488.9061	
13	painting on old surface on wood work withBerger /ICI or equivalent super gloss syenthetic enmal paint on wood work.										
	SINO.17-31										
	D	2	x	2	x	3.50	x	7.00	=	98.00	sft
	D1	2	x	1	x	3.00	x	7.00	=	42.00	sft
	D2	2	x	2	x	2.50	x	7.00	=	70.00	sft
						Total				210.00	sft
14	Providing and fixing fully glazed single leaf hung/sliding aluminium windows, ventilators (Deluxe model - 1.6mm) of anodized champagne or approved color of Prime, Chawala, Pakistan Cable or any approved section as approved by Engineer incharge including aluminium fittings, 5 mm local tinted glass, lugs, cutting holes and making good the damages to walls.										
	SINO.28-24/1										
	Windows	5	x	4.00	x			4.00	=	80.00	sft

					Total	80.00	sft					
15	providing and fixing iron grills as approved junction including with sunk iron screw design including weilding of all side at painting with two coat of red oxide.											
SINO.28-27-1												
Windows	5	x	5.00	x	5.00	=	125.00	sft				
Conversion in Kg					125	x	3.5	Total	437.50	Kg		
12	Applying weather resistant paint coating such as ICI weather shield, Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10											
17-69-1												
SAME QTY OF PLASTER												
					4480.00	SFT						
13	Providing and fixing steel grated double leaf Gate with locking arrangement, and angle iron (2" x 2" x .375") for frame, middle strip 6.4 mm (.25) thick gusset plate 75 mm x 75 mm (3" x 3") at each edge and 19 mm (.75) M.S square or round bars 5/8" or 6/8" dia at 100 mm (4) center to center including two coats of red oxide paint as per the direction of Engineer Incharge.											
28-18-1												
M. GATE					1	1	###	7.00	84.00	SFT		
SIDE GATE					1	1	###	7.00	28.00	SFT		
					Total					112.00	SFT	
					4.3	112.00	487.20	SFT				
							487.20	SFT				
16	providing and fixing GI wire guaze 22 guage(1.15 mm) and 144 mesh per sq .inch with first class deodar beading with one sq inch as approved design.											
SINO.16-40-A												
Windows	5	x	5.00	x	5.00	=	125.00	sft				
					Total						125.00	sft
17	providing and fixing first class deodar wood deodar wood shutter fully panelled with same wood and fixed with approved brass hinges and tower bolts											
SINO.16-7/A												
Doors	2	x			3.50	x	7.00	=	49.00	sft		
Doors	1	x			3.00	x	7.00	=	21.00	sft		
Doors	2	x			2.50	x	7.00	=	35.00	sft		
					Total						105.00	sft
SANITARY FITTING AND WATER SUPPLY												
18	Providing and fixing export quality glazed earthen ware wash basin manufactured by ICL Boch/Karam Cera or equivalent approved make with single hole chromium plated mixer tap 1/2" (15mm), pillar tap delux, stop cocks, C.I. or W.I. brackets 6" (150mm) built into walls 1.5" (40mm) C.P. brass waste with malleable iron or C.P. brass trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material											
SINO.23-5					1	x	1	=	1	Nos		
					Total						1	Nos

Total	=	100	Rft
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CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
						Total=	405.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	BOTOM SLAM	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		

						Total=	60.75	CFT		
5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls									
	S.I NO 5-22/B									
		1	1	33.50	0.75	7.00	175.88	CFT		
						Total	175.88	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/aiii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
						Total	268.00	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									

		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
						Total	33.50	Rft		
11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.									
	28-7/1									
		1	1	2.00		2.00	4.00	Sft		
						Total	4.00	Sft		
TOTAL										

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		

5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.								
	S.I NO 9-2/ciii								
		1	2	7.57	0.66	7.00	69.95	CFT	
		1	2	13.50	0.66	7.00	124.74	CFT	
		1	2	6.00	0.66	7.00	55.44	CFT	
						Total	250.13	CFT	
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"								
	5-22/c								
		1	1	13.50	7.66	0.75	77.56	CFT	
							77.56	CFT	
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.								
	15-4/iii								
		1	1	2.00	21.32	6.00	255.84	Sft	
		1	1	4.00	7.66	6.00	183.84	Sft	
						Total	439.68	Sft	
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.								
	25-12/b								
		1	1	1.00	1.00	1.00	1.00	each	
						Total	1.00	each	
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.								
	13-16/a								
		1	1	1.00		2.00	2.00	No	
						Total	2.00	No	
TOTAL									

AWARAN
GENERAL ABSTRACT

S NO.	DESCRIPTION OF WORK	AMOUNT
1	REPAIR AND RENOVATION OF BHU SHAM MARAH DISTRICT AWARAN	
2	CONSTRUCTION OF BOUNDARY WALL 350 RFT	
3	CONSTRUCTION OF UNDER GROUND WATER TANK	
4	1 Room Addition	
5	CONSTRUCTION OF SEPTIC TANK	

Total Rs. 9388399/-

Say Rs. 9.388 Million

REPAIR AND RENOVATION OF BHU SHAM MARAH DISTRICT AWARAN

S.No	Description	No	L	B/H	Qty	Rate	Amounte
1	Scraping rubbing and cleaning of emulsion finish snowcem from wall and ceiling including removal of rubbish in all floors. (S.I No: 4-56)						
	CEILING						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 sft
	First Aid	1	x	12.50	x	6.00	= 75.00 sft
	Porch	1	x	17.00	x	10.00	= 170.00 sft
	Toilet	2	x	5.00	x	4.00	= 40.00 sft
		1	x	4.33	x	5.67	= 24.55 sft
	Walls						
	Office	1	2	x	16.25	x	11.50 = 373.75 sft
		1	2	x	12.50	x	11.50 = 287.50 sft
	Ward	1	2	x	16.00	x	11.50 = 368.00 sft
		1	2	x	12.00	x	11.50 = 276.00 sft
	First Aid	1	2	x	12.50	x	11.50 = 287.50 sft
		1	2	x	6.00	x	11.50 = 138.00 sft
	Porch	1	1	x	17.00	x	8.50 = 144.50 sft
	Porch	1	1	x	10.00	x	8.50 = 85.00 sft
	Beam	1	1	x	17.00	x	3.00 = 51.00 sft
		1	1	x	10.00	x	3.00 = 30.00 sft
	Columns	1	2	x	3.32	x	7.50 = 49.80 sft
	Toilets	1	2	x	5.00	x	9.50 = 95.00 sft
		1	2	x	4.00	x	9.50 = 76.00 sft
		1	1	x	4.33	x	9.50 = 41.14 sft
		1	2	x	5.66	x	9.50 = 107.54 sft
	Outer Side	1	1	x	71.75	x	13.50 = 968.63 sft
	Shade	1	1	x	117.66	x	1.50 = 176.49 sft
	Toilets	1	1	x	14.67	x	11.00 = 161.37 sft
		1	2	x	6.33	x	11.00 = 139.26 sft
		1	2	x	5.33	x	11.00 = 117.26 sft
					Total A		4678.41 sft
	Deuction						
	D	1	x	2	x	3.50	x 7.00 = 49.00 sft
	D1	1	x	1	x	3.00	x 7.00 = 21.00 sft
	D2	1	x	2	x	2.50	x 7.00 = 35.00 sft
	W	1	x	5	x	4.00	x 4.00 = 80.00 sft
	v	1	x	2	x	1.50	x 1.50 = 4.50 sft
					Total B		189.50 sft
	Net Quantity(A---B)		4678.41		189.50	Total	4488.91 sft
2	Removing door with chowkat						
	SINO.4-32/a						
	Main Building	1	x	2	x	3.50	x 7.00 = 49.00 sft
	Toilet Block	1	x	1	x	3.00	x 7.00 = 21.00 sft
		1	x	2	x	2.50	x 7.00 = 35.00 sft
					Total		105.00 sft
3	Removing Windows with chowkat						
	SINO.4-32/b						
	w	1	x	4	x	4.00	x 4.00 = 64.00 sft
	v	1	x	1	x	1.50	x 1.50 = 2.25 sft
					Total		66.25 sft
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes						
	SINO.4-19/a						
	Office	1	x	1	x	16.25	x 12.50 = 203.13 sft
	Ward	1	x	1	x	16.12	x 1.50 = 24.18 sft
	First Aid	1	x	1	x	12.50	x 6.00 = 75.00 sft
	Porch	1	x	1	x	17.00	x 10.00 = 170.00 sft
	Toilets & Bath	1	x	2	x	5.00	x 4.00 = 40.00 sft
	Wash Area	1	x	1	x	4.33	x 5.66 = 24.51 sft
					Total		536.81 sft
5	Providing and laying 1:2:4 cement concrete floor using crushed aggrgate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and						

SINO.14-2/bii										
Office	1	x	16.25	x	12.50		=	203.13	sft	
Ward	1	x	16.00	x	12.00	x	=	192.00	cft	
First Aid	1	x	12.50	x	6.00	x	=	75.00	cft	
Toilets	2	x	5.00	x	4.00	x	=	40.00	cft	
Wash Area	1	x	4.33	x	5.66	x	=	24.51	cft	
Total								534.63	sft	
6 Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard										
SINO.28-40/cii										
(3.5+3.5+7.5+7.5=25)	2	x	1.00	x		25.00	=	50.00	sft	
(3.0+3.0+7.5+7.5=21)	1	x	1.00	x		21.00	=	21.00	sft	
(2.5+2.5+7.5+7.5=25)	2	x	1.00	x		20.00	=	40.00	sft	
Total								111.00	sft	
7 Providing and laying super white 12"x12" marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.										
SINO.14-9/b										
Office	1	x	1	x	16.25	x	12.50	=	203.13	sft
Ward	1	x	1	x	16.00	x	12.00	=	192.00	sft
First Aid	1	x	1	x	12.50	x	6.00	=	75.00	sft
Porch	1	x	1	x	17.00	x	10.00	=	170.00	sft
Total								640.13	sft	
9 Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry of matching color, cleaning & curing.										
SINO.14-64/a										
Toilets & Bath	2	x	2	x	5.00	x	7.00	=	140.00	sft
	4	x	2	x	4.00	x	7.00	=	224.00	sft
Wash Area	1	x	1	x	4.33	x	7.00	=	30.31	sft
	1	x	2	x	5.66	x	7.00	=	79.24	sft
Total								473.55	sft	
10 Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing										
SINO.14-25/a										
Toilets & Bath Floor	1	x	2	x	5.00	x	4.00	=	40.00	sft
Wash Area	1	x	1	x	4.33	x	5.66	=	24.51	sft
Total								64.51	sft	
11 providing and laying Roof Screeding thick using 3/4 (19mm) including form work consolidating finishing and curing.										
SINO.14-68/b										
Main Building	1	x	33.33	x		27.00		899.91	sft	
Toilet Block	1	x	17.66	x		9.33		164.7678	sft	
Total								1064.6778	sft	
12 providing on old surface of wall with Berger concrete surfac including cleanding and ICI or equvalint on plastered rendered or sand preparing the surfac.										

SINO.17-33/b

Same Quantity of item no.1

4488.91 sft

Total 4488.9061

- 13 painting on old surface on wood work with Berger /ICI or equivalent super gloss sythetic enmal paint on wood work.

SINO.17-31

D	2	x	2	x	3.50	x	7.00	=	98.00	sft
D1	2	x	1	x	3.00	x	7.00	=	42.00	sft
D2	2	x	2	x	2.50	x	7.00	=	70.00	sft

Total 210.00 sft

- 14 Providing and fixing fully glazed single leaf hung/sliding aluminium windows, ventilators (Deluxe model - 1.6mm) of anodized champagne or approved color of Prime, Chawala, Pakistan Cable or any approved section as approved by Engineer incharge including aluminium fittings, 5 mm local tinted glass, lugs, cutting holes and making good the damages to walls.

SINO.28-24/1

Windows	5	x	4.00	x	4.00	=	80.00	sft
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Total 80.00 sft

- 15 providing and fixing iron grills as approved junction including with sunk iron screw design including weilding of all side at painting with two coat of red oxide.

SINO.28-27-1

Windows	5	x	5.00	x	5.00	=	125.00	sft
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125.00 sft

Conversion in Kg

125	x	3.5	Total	437.50	Kg
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- 16 providing and fixing GI wire guaze 22 guage (1.15 mm) and 144 mesh per sq .inch with first class deodar beading with one sq inch as approved design.

SINO.16-40-A

Windows	5	x	5.00	x	5.00	=	125.00	sft
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Total 125.00 sft

- 17 providing and fixing first class deodar wood deodar wood shutter fully panelled with same wood and fixed with approved brass hinges and tower bolts

SINO.16-7/A

Doors	2	x	3.50	x	7.00	=	49.00	sft
Doors	1	x	3.00	x	7.00	=	21.00	sft
Doors	2	x	2.50	x	7.00	=	35.00	sft

Total 105.00 sft

SANITARY FITTING AND WATER SUPPLY

- 18 Providing and fixing export quality glazed earthen ware wash basin manufactured by ICL Boch/Karam Cera or equivalent approved make with single hole chromium plated mixer tap 1/2" (15mm), pillar tap delux, stop cocks, C.I. or W.I. brackets 6" (150mm) built into walls 1.5" (40mm) C.P. brass waste with malleable iron or C.P. brass trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material

SINO.23-5

1	x	1	=	1	Nos
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Total 1 Nos

19	providing fixing stainless steel sink Pakistan made with C.I. or W.I brackets 6" built in wall, 1.5" (40 mm) rubber plug,C.P. brass chain, C.P. brass waste, pillar tap 2 way deluxe, 1.5" dia malleable iron or C.P. brass trap and unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material								
	SINO.23-8/a	1	x	1	=	1	Nos		
						1	Nos		
20	providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with screw.								
	SINO.23-15-1 Baths	1	x	1	x	1			
						1	sft		
21	Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.								
	SINO.23-2/a	1	x	2	=	2	Nos		
						2	Nos		
22	providing and fixing approved make plastic accessories.								
	SINO.23-30 Soap Dish	1	x	2	=	2	Nos		
						2	Nos		
23	Toilet paper Holder	1	x	2	=	2	Nos		
						2	Nos		
24	Towel Rod								
	SINO.23-30	1	x	3	=	3	Nos		
						3	Nos		
25	providing and fixing approved quality bib cock								
	SINO.23-34/B	1	x	2	=	2	Nos		
						2	Nos		
26	providing laying cutting jointing and disinfecting G.I Pipe lill make or equavilient.								
	SINO.23-52/Aii	1	x	210	=	210	Rft		
						210	Rft		
INTERNAL ELECTRIFICATION									
27	Light circuit concealed/open wiring with length upto 75 ft. (25m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings.								
	SINO.30-1	1	x	6	=	6	point		
						6	point		

depth with 16" dia. Concrete Cover fixed in
4" thick RCC 1:2:4 slab (with 5 lbs per Cu.ft. or 80 kg/Cu.m of steel), burnt brick masonry walls 9" (225 mm) thick set in 1:3 cement sand mortar, 6" thick 1:3:6 cement concrete in foundation, 4" av. thickness 1:2:4 cement concrete in benching and 1/2" (13mm) thick cement sand plaster in 1:3 to all inside wall surfaces,

SINO.25-4/a

1 x

3

3

Total	=	3	Rft
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- 40 Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes confirming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings, connnections and jointing material

SINO.27-46/av

1 x

100

100

Total	=	100	Rft
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RS.

CONSTRUCTION OF BOUNDRY WALL 350 RFT FOR BHU SHAM MARAH DISTRICT AWARAN

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with excavated earth watering and ramming lead up to 30 m lift up to 1.5m									
	3-21/Aiii									
	BOUNDRY WALL	1	1	350.00	2.50	2.50	2187.50	CFT		
	GATE COLUMNS FOOTING	1	3	3.00	3.00	3.00	81.00	CFT		
					Total=		2268.50	CFT		
2	Providing and laying cement concrate 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
	BOUNDRY WALL	1	1	350.00	2.50	0.25	218.75	CFT		
	GATE COLUMNS FOOTING	1	3	4.00	4.00	0.25	12.00	CFT		
						Total=	230.75	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such									
	5-44/A									
	Steel in Foundation									
	1/2" dia bars in found:	1	4	350.00	0.667	0.4536	635.04	KG		
	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
	1/2" dia bars in Col. C1	29	4	12.50	0.667	0.4536	438.70	KG		
	3/8" dia ring @ 9"c/c	29	15	3.75	0.375	0.4536	277.48	KG		
	1/2" dia bars in Col. C2	3	6	12.50	0.667	0.4536	68.07	KG		
	3/8" dia ring @ 9"c/c	3	15	6.50	0.375	0.4536	49.75	KG		
	Steel in Plinth Band									
	1/2" dia bars in found:	1	4	350.00	0.667	0.4536	423.57	KG		

	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
						Total=	2289.37	KG		
	WEIGHT IN TON						2.289	KG		
4	Providing and laying cement concrete 1:2:4 (1 cement 2 sand 4 crush) using crushed size 19mm (3/4") and down gauge in foundation bed including levelling , form work , compacting , curing , and removal of form work.									
	5-8-c									
	BOUNDRY WALL	1	1	350.00	2.00	0.75	525.00	CFT		
	GATE COLUMNS FOOTING	3	1	8.00	8.00	1.50	288.00	CFT		
						Total=	813.00	CFT		
5	Providing and laying plain hand mixed cement concrete using sand approved source and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation and plinth including									
	S.I NO 5-4/a									
	BOUNDRY WALL	1	1	350.00	1.50	1.50	787.50	CFT		
	GATE COLUMNS FOOTING	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step									
	BOUNDRY WALL	1	1	350.00	1.125	0.75	295.31	CFT		
	GATE COLUMNS FOOTING	3	1	2.50	1.125	2.00	16.88	CFT		
				Total=		(A)	1123.31	CFT		
	1st Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.125	0.75	18.35	CFT		
	COLUMNS C2	3	1	2.50	1.125	1.00	8.44	CFT		
				Total=		(B)	99.35	CFT		
	Net QUANTITY					(A -- B)	1023.96	CFT		
6	Providing and laying in Situ cement concrete 1 : 2 : 4 (1 cement 2 sand 4 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work									
	5-15/C									
	1st Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		

	2nd Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.13	1.00	24.47	CFT		
	COLUMNS C2	3	1	2.50	1.13	1.00	8.44	CFT		
						Total=	105.47	CFT		
7	Providing and laying 1:2:4 cement concrete using shingle or bajri 19mm and down gauge in plinth band, door band and roof band of required shape or section including formwork and its removal, compacting and curing in basement and ground floor but excluding the cost of reinforcement.									
	5-49/a									
	PLINTH BAND CONCRETE									
	BOUNDRY WALL	1	1	350.00	1.000	0.75	262.50	CFT		
	GATE COLUMNS FOOTING	3	1	1.50	1.50	0.75	5.06	CFT		
						Total=	267.56	CFT		
8	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) and down gauge in ground floor super-structure									
	S.I NO 9-7/Cii									
	Wall in super structure									
	BOUNDRY WALL	1	1	350.00	0.58	6.00	1218.00	CFT		
						Total=	1218.00	CFT		
						sub total A	1218.00	CFT		
	Ded: Columns C1	29	1	0.75	0.58	6.00	75.69	CFT		
						sub total B	75.69	CFT		
	NET QUANTITY					A-B	1142.31	CFT		
9	Providing and laying in Situ cement concrete 1:2:4 (1 cement 2 sand 3 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work									
	5-15-c									
	S. STRUCTURE COLUMNS CONCRETE									
	COLUMNS C1	29	1	0.75	0.58	6.00	75.69	CFT		
	COLUMNS C2	3	1	1.50	1.50	6.00	40.50	CFT		
						Total=	116.19	CFT		

11	19mm (3/4") thick cement plaster 1:4 cement mortar ratio on wall and coloumns in basment plinth and ground floor including making edges cornor and curing.								
	15-4/iii								
	BOUNDRY WALL	1	2	350.00	7.00	4900.00	CFT		
					Total	4900.00	SFT		
12	Applying weather resistant paint coating such as ICI weather shield,Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials,scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10								
	17-69-1								
	SAME QTY OF PLASTER								
					Total	4900.00	SFT		
13	Providing and fixing steel grated double leaf Gate with locking arrangement, and angle iron (2" x 2" x .375") for frame, middle strip 6.4 mm (.25) thick gusset plate 75 mm x 75 mm (3" x 3") at each edge and 19 mm (.75) M.S square or round bars 5/8" or 6/8" dia at 100 mm (4) center to center including two coats of red oxide paint as per the direction of Engineer Incharge.								
	28-18-1								
	M. GATE	1	1	12.00	7.00	84.00	SFT		
	SIDE GATE	1	1	4.00	7.00	28.00	SFT		
					Total	112.00	SFT		
					4.3	112.00	487.20	SFT	
						487.20	SFT		
TOTAL									

Single room (16*14) with attached washroom (6*8) \$ attached Store (6*6)								
S.No	DESCRIPTION	Length (L)	Width (W)	Hieght (H)	QTY	UNIT	RATE	AMOUNT
1	Excavation							
	Excavation in hard soil or soft murum in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m)							
	single room+washrrom \$ store	92	2.5	2	460			
					460	Cu.ft		-
2	PCC (Lean Concrete)							
	Providing and laying 1:4:8 plain machine mixed cement concrete using sand approved source and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation and plinth including leveling, compacting & curing.							
	single room+washrrom \$ store	92	2.5	0.250	57.50			
					57.50	Cu.ft		-
3	Concrete block masonry							
	"Providing and laying concrete block masonry in cement sand mortar (1:4), using solid/hollow concrete blocks of approved quality and specified compressive strength (minimum 1000–1500 psi or as approved), including proper alignment, leveling, scaffolding, raking out joints, curing, complete in all respects at all levels as per drawings and specifications."							
	12" concrete block masonry	92	1.33	2	244.72			
					244.72	Cu.ft		-
	8" concrete block masonry	92	0.67	10	616.4			
					616.4	Cu.ft		-
4	Roofing							
	Providing and laying first class tile roof insulation comprising single layer of tiles 12"x6"x1 1/2" grouted with cement sand mortar 1:3 laid over 2.5" thick cement concrete 1:4:8 over glass wool /roof kool sheet wrapped in polythene sheet 300 gauge (0.03mm.) over a coat of PB-4 bitumen layer at the rate of 1.65 Kg./Sq.m.							
	single room+washroom \$ store				352			
					352	Sft		-
5	Girders & T iron							
	Fabrication of heavy steel work with angle, tees, flat iron, round iron and sheet iron for making trusses, girders, tanks etc. including cutting, drilling riveting, handling, assembling and fixing but excluding erection in position as per directions of Engineer							
	Girders (9Nos)	14	5		630			
	T iron (24Nos)	24	0.623		179.424			
					809.424	kg		-
6	Roof Screeding							
	Providing and laying 1:2:4 P.C.C roof screeding using crushed stone 3/4" (19mm) including formwork, consolidation, finishing and curing 3" (75mm) nominal thick P.C.C. roof screeding							
	single room+washrrom \$ store				352			
					352	Sft		-
7	Plaster							

	3/4 inch (19mm) thick cement plaster 1:3 using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.							
	single room interior/exterior				1474			
	attached washroom \$ Store interior/exterior				616			
					2090	Sft		-
8	Floor Concrete							
	Providing and laying plain machine mixed 1:3:6 cement concrete using coarse sand and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation including levelling, compacting and curing.							
	single room	16	14	0.50	112			
	attached washroom \$ store	6	14	0.50	42			
					154	Cft		-
9	Door Frame Installation							
	Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard conforming to B.S.S.1245, treated with special primer base paint all round, fitted with six fixing lugs, three steel hinges for fixing door shutters standard lock-strike plate, one sliding holt eye, and three rubber buffers, including cutting holes and making good damages to walls and filling the door frame cavity with lean cement mortar 1:4 as directed by the Engineer Incharge.							
	Room	7	3		17			
	washroom \$ Store	7	2.5		16.5			
					33.5	sft		-
10	Door Installation							
	Providing and fixing 1.5" (38mm) thick pressed Teak wood, 5 Ply flushed with First class wood veneering on all faces and sides fixed over deodar wood cavited core and frame work of not less than 4" (100mm) wide strips all-round with approved brass hinges, tower bolts as required							
	Room	7	3		21			
	washroom	7	2.5		17.5			
					38.5	Sft		-
11	Windows Installation							
	Providing and fixing hot dipped galvanized fully glazed double leaf hung steel windows and ventilators of approved section with Z-section 1.25" (32 mm) width at each edge including using approved brass sections oxidized fitting, iron lugs, cutting holes and making good the damages to walls.							
	Windows	6	4		48			
	washroom ventilators	2	1.5		3			
					51	Sft		-
12	Ceiling Fans				1	Each		-
13	Wiring							
	Concealed/open wiring from point to switch with length upto 30 ft. (10m) including any switch to switch wiring with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables							
					8	Point		-
14	Distempering							

	Distempering with Berger, ICI or equivalent synthetic polyvinyl emulsion finish of approved shade in two or more coats over and including the cost of priming coat including preparation of surface viz. dusting, sandpapering or rubbing with pumice stone, filling cracks or holes, if any, removing blisters or other imperfections at any height and any floor. (@ at least 2.20 Liter per 10 Sq.m							
	single room interior	16	14	11	884			
	attached washroom store \$ interior	6	14	6	324			
					1208	Sft		-
15	Weather Coat							
	Applying weather resistant paint coating (Three coats (@ at least 3.00 Liter per 10 Sq.m) such as ICI/ Berger or equivalent paint of approved shade on old surface of walls and ceiling including dusting, sand papering and cleaning, scaffolding and removal of debris.							
	single room+washroom	77		12	924			
					924	Sft		-
10	Tilling							
	Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing.							
	Room floor and Walls upto 4ft	16	14	4	464			
	washroom \$ Store	6	14	6	324			
					788	Sft		-
11	LDPE Water Tank							
	Providing and fixing LDPE overhead tank 300 gallon capacity double ply, blue/white manufactured by Marjan, Master or equivalent on top of any floor							
					1	Each		-
12	PPRC Pipes							
	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes confirming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings, connections and jointing material							
					50	ft.		-
13	Wash Basins							
	Providing and fixing approved quality fixtures Wash basin 24" (610 mm) ICL Futura make							
					1	No.		-
14	Water Closet							
	Providing and fixing white English/indian W.C with glazed earthen ware 4"(100mm) trap squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC downpipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.							
					1	Each		-
15	UPVC sewerage pipes							

	Providing and Installing uPVC pipe class b having 4"(100mm inner dia) IIL, Dadex or equivalent make registered with PSQCA in sewer lines and/or laying, cutting, jointing, testing including all specials in pipe lines in trenches.							
					40	Rft		-
16	Soak Pit							
	Providing and Construction of Soak Pit having diameter 3' with depth 10' , inner filled with Brick ballast/stone ballast having RCC top , complete in all respects as per drawings and as per direction of Engineer.							
					1	No		-
17	Washroom Assories set				1	each		-
	Total Amount							-
	8%BRA							-
	Grand Total Amount (Inclusive of: All Taxes, Labour cost & Transportation charges)							-

CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
						Total=	405.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	BOTOM SLAM	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		

						Total=	60.75	CFT		
5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls									
	S.I NO 5-22/B									
		1	1	33.50	0.75	7.00	175.88	CFT		
						Total	175.88	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/aiii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
						Total	268.00	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									

		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
					Total	33.50	Rft			
11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.									
	28-7/1									
		1	1	2.00		2.00	4.00	Sft		
					Total	4.00	Sft			
TOTAL										

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting bending, binding wastage and providing such overlap as are not shown on the drawings, the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		
5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.									
	S.I NO 9-2/ciii									

		1	2	7.57	0.66	7.00	69.95	CFT		
		1	2	13.50	0.66	7.00	124.74	CFT		
		1	2	6.00	0.66	7.00	55.44	CFT		
						Total	250.13	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	13.50	7.66	0.75	77.56	CFT		
							77.56	CFT		
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.									
	15-4/iii									
		1	1	2.00	21.32	6.00	255.84	Sft		
		1	1	4.00	7.66	6.00	183.84	Sft		
					Total		439.68	Sft		
9	Providing and fixing step iron or foot rest in manhole chambersincluding setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	1.00	1.00	each		
						Total	1.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	13-16/a									
		1	1	1.00		2.00	2.00	No		
					Total		2.00	No		
TOTAL										

AWARAN
GENERAL ABSTRACT

<i>S NO.</i>	<i>DESCRIPTION OF WORK</i>	<i>AMOUNT</i>
1	REPAIR AND RENOVATION OF BHU SHANDI JAHOO DISTRICT AWARAN	
2	CONSTRUCTION OF UNDER GROUND WATER TANK	
3	CONSTRUCTION OF SEPTIC TANK	

Total Rs. 4432998/-

Say Rs. 4.433 Million

REPAIR AND RENOVATION OF BHU SHANDI JAHOO DISTRICT AWARAN

S.No	Description	No	L	B/H	Qty	Rate	Amounte
1	Scraping rubbing and cleaning of emulsion finish snowcem from wall and ceiling including removal of rubbish in all floors. (S.I No: 4-56)				0		
	CEILING						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 sft
	First Aid	1	x	12.50	x	6.00	= 75.00 sft
	Porch	1	x	17.00	x	10.00	= 170.00 sft
	Toilet	2	x	5.00	x	4.00	= 40.00 sft
		1	x	4.33	x	5.67	= 24.55 sft
	Walls						
	Office	1	2	x	16.25	x	11.50 = 373.75 sft
		1	2	x	12.50	x	11.50 = 287.50 sft
	Ward	1	2	x	16.00	x	11.50 = 368.00 sft
		1	2	x	12.00	x	11.50 = 276.00 sft
	First Aid	1	2	x	12.50	x	11.50 = 287.50 sft
		1	2	x	6.00	x	11.50 = 138.00 sft
	Porch	1	1	x	17.00	x	8.50 = 144.50 sft
	Porch	1	1	x	10.00	x	8.50 = 85.00 sft
	Beam	1	1	x	17.00	x	3.00 = 51.00 sft
		1	1	x	10.00	x	3.00 = 30.00 sft
	Columns	1	2	x	3.32	x	7.50 = 49.80 sft
	Toilets	1	2	x	5.00	x	9.50 = 95.00 sft
		1	2	x	4.00	x	9.50 = 76.00 sft
		1	1	x	4.33	x	9.50 = 41.14 sft
		1	2	x	5.66	x	9.50 = 107.54 sft
	Outer Side	1	1	x	71.75	x	13.50 = 968.63 sft
	Shade	1	1	x	117.66	x	1.50 = 176.49 sft
	Toilets	1	1	x	14.67	x	11.00 = 161.37 sft
		1	2	x	6.33	x	11.00 = 139.26 sft
		1	2	x	5.33	x	11.00 = 117.26 sft
					Total A		4678.41 sft
	Deuction						
	D	1	x	2	x	3.50	x 7.00 = 49.00 sft
	D1	1	x	1	x	3.00	x 7.00 = 21.00 sft
	D2	1	x	2	x	2.50	x 7.00 = 35.00 sft
	W	1	x	5	x	4.00	x 4.00 = 80.00 sft
	v	1	x	2	x	1.50	x 1.50 = 4.50 sft
					Total B		189.50 sft
	Net Quantity(A---B)			4678.41	189.50	Total	4488.91 sft
2	Removing door with chowkat						
	SINO.4-32/a						
	Main Building	1	x	2	x	3.50	x 7.00 = 49.00 sft
	Toilet Block	1	x	1	x	3.00	x 7.00 = 21.00 sft
					Total		70.00 sft
	Removing Windows with chowkat						
3	SINO.4-32/b						
	w	1	x	4	x	4.00	x 4.00 = 64.00 sft
	v	1	x	1	x	1.50	x 1.50 = 2.25 sft
					Total		66.25 sft
	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes						
4	SINO.4-19/a						
	Office	1	x	1	x	16.25	x 12.50 = 203.13 sft
	Ward	1	x	1	x	16.12	x 1.50 = 24.18 sft
	First Aid	1	x	1	x	12.50	x 6.00 = 75.00 sft
	Porch	1	x	1	x	17.00	x 10.00 = 170.00 sft
	Toilets & Bath	1	x	2	x	5.00	x 4.00 = 40.00 sft
	Wash Area	1	x	1	x	4.33	x 5.66 = 24.51 sft
					Total		536.81 sft
5	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.						
	SINO.14-2/bii						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 cft
	First Aid	1	x	12.50	x	6.00	= 75.00 cft

Toilets	2	x	5.00	x	4.00	x	=	40.00	cft
Wash Area	1	x	4.33	x	5.66	x	=	24.51	cft
Total								534.63	sft

- 6 Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard

SINO.28-40/cii									
(3.5+3.5+7.5+7.5=25)	2	x	1.00	x	25.00		=	50.00	sft
(3.0+3.0+7.5+7.5=21)	1	x	1.00	x	21.00		=	21.00	sft
(2.5+2.5+7.5+7.5=25)	2	x	1.00	x	20.00		=	40.00	sft
Total								111.00	sft

roviding and laying super white 12"x12" marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.

7 SINO.14-9/b

Office	1	x	1	x	16.25	x	12.50	=	203.13	sft
Ward	1	x	1	x	16.00	x	12.00	=	192.00	sft
First Aid	1	x	1	x	12.50	x	6.00	=	75.00	sft
Porch	1	x	1	x	17.00	x	10.00	=	170.00	sft
Total									640.13	sft

Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry of matching color, cleaning & curing.

9 SINO.14-64/a

Toilets & Bath	2	x	2	x	5.00	x	7.00	=	140.00	sft
	4	x	2	x	4.00	x	7.00	=	224.00	sft
Wash Area	1	x	1	x	4.33	x	7.00	=	30.31	sft
	1	x	2	x	5.66	x	7.00	=	79.24	sft
Total									473.55	sft

Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing

10 SINO.14-25/a

Toilets & Bath Floor	1	x	2	x	5.00	x	4.00	=	40.00	sft
Wash Area	1	x	1	x	4.33	x	5.66	=	24.51	sft
Total									64.51	sft

providing and laying Roof Screeding thick using 3/4 (19mm) including form work consolidating finishing and curring.

11 SINO.14-68/b

Main Building	1	x	33.33	x	27.00		899.91	sft
Toilet Block	1	x	17.66	x	9.33		164.7678	sft
Total							1064.6778	sft

12 providing on old surface of wall with Bergerconcrete surfac including cleanding and ICI or equivalint on plastered rendered orsand preparing the surfac.

Same Quantity of item no.1							4488.91	sft
Total							4488.9061	

- 13 painting on old surface on wood work with Berger /ICI or equivalent super gloss syenthetic enmal paint on wood work.

SINO.17-31	2	x	2	x	3.50	x	7.00	=	98.00	sft
D1	2	x	1	x	3.00	x	7.00	=	42.00	sft
D2	2	x	2	x	2.50	x	7.00	=	70.00	sft
Total									210.00	sft

- 14 Providing and fixing fully glazed single leaf hung/sliding aluminium windows, ventilators (Deluxe model - 1.6mm) of anodized champagne or approved color of Prime, Chawala,

SINO.28-24/1

Windows	5	x	4.00	x	4.00	=	80.00	sft
					Total		80.00	sft

- 15 providing and fixing iron grills as approvedjunction including with sunk iron screwdesign including weilding of all side at painting with two coat of red oxide.

Windows	5	x	5.00	x	5.00	=	125.00	sft
							125.00	sft
Conversion in Kg	125		x	3.5	Total		437.50	Kg

Conversion in Kg	125	x	3.5	Total	437.50	Kg
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Applying weather resistant paint coating such as ICI weather

12	17-69-1									
	SAME QTY OF PLASTER									
						4480.00	SFT		0.00	
	Providing and fixing steel grated double leaf Gate with locking									
13	28-18-1									
	M. GATE	1	1	###	7.00	84.00	SFT			
	SIDE GATE	1	1	###	7.00	28.00	SFT			
					Total	112.00	SFT			
					4.3	487.20	SFT			
					112.00	487.20	SFT		0.00	

- 16 providing and fixing GI wire guaze 22 guage(1.15 mm) and 144 mesh per sq .inch withfirst class deodar beading with one sq inchas approved design.

SINO 16-40-A Windows	5	x	5.00	x	5.00	=	125.00	sft
Total							125.00	sft

- 17 providing and fixing first class deodar wooddeodar wood shutter fully panelled with same wood and fixed with approved brass hinges and tower bolts

SINO.16-7/A	2	x			3.50	x	7.00	=	49.00	sft
Doors	1	x			3.00	x	7.00	=	21.00	sft
Doors	2	x			2.50	x	7.00	=	35.00	sft
Total									105.00	sft

SANITARY FITTING AND WATER SUPPLY

Providing and fixing export quality glazed earthen ware wash basin manufactured by ICL Boch/Karam Cera or equivalent approved make with single hole chromium plated mixer tap 1/2" (15mm), pillar tap delux, stop cocks, C.I. or W.I. brackets 6" (150mm) built into walls 1.5" (40mm) C.P. brass waste with malleable iron or C.P. brass trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material

18 SINO.23-5 1 x 1 = 1 Nos

Total	1	Nos
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providing fixing stainless steel sink Pakistan made with C.I. or W.I brackets 6" built in wall, 1.5" (40 mm) rubber plug,C.P. brass chain, C.P. brass waste, pillar tap 2 way delux, 1.5" dia malleable iron or C.P. brass trap and unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material

19 SINO.23-8/a 1 x 1 = 1 Nos

1 Nos

providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with screw.

20 SINO.23-15-1

Baths

1 x

1	x	1		1	
Total				1	sft

21 Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved

SINO.23-2/a

1 x

2 = 2 Nos

Total	2	Nos
-------	---	-----

22 providing and fixing approved make plastic accessories.

SINO.23-30
Soap Dish

1 x

2	=	2	Nos
Total		2	Nos

Toilet paper Holder

23		1	x	2	=	2	Nos
				Total 2 Nos			
24	Towel Rod SINO.23-30	1	x	3	=	3	Nos
				Total 3 Nos			
25	providing and fixing approved quality bib cock SINO.23-34/B	1	x	2	=	2	Nos
				Total 2 Nos			
26	providing laying cutting jointing and disinfecting G.I Pipe illl make or equavilient. SINO.23-52/Aii	1	x	210	=	210	Rft
				Total 210 Rft			
INTERNAL ELECTRIFICATION							
Light circuit concealed/open wiring with length upto 75 ft. (25m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings.							
27	SINO.30-1	1	x	6	=	6	point
				Total 6 point			
Wiring of 5 Amps. socket outlet with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.							
28	SINO.30-9	2	x	12	=	24	Rm
				Total 24 Rm			
29	SINO.30-87	1	x	4	=	4	point
				Total 4 point			
30	fixing fan to ceiling SINO.30-89/B	1	x	4	=	4	point
				Total 4 point			
31	supply and installation 20" (500 mm) sweep revolving bracket fan with guard SINO.30-114	1	x	2	Total	=	2 point
				2 point			
Supply and install 10" (250 mm) sweep							

32	exhaust fan including plastic louvers.	1	x	2	2		
	SINO.30-113						
	Supply and install Energy Saver electric bulbs25W Philips energy save						
33		1	x	15	15		
	SINO.30-117/C						
	Providing and fixing LDPE overhead tank manufactured by Dura or equivalent on top of any floor louvers.						
34		1	x	1	1		
	SINO.27-44						
	Supply and install Electric motors with pump including all accessories.						
35		1	x	1	1		
36	Supply and install 35 gallons electric geyser						
37		1	x	1	1		
	R.C.C pipe with bell & spigot or tongued & grooved joint conforming to ASTM C-76 class II wall B or BS 3911 Part I class M						
38	SINO.25-1/bi						
		1	x	50	50		
	Providing manhole type 'A' size 24" x 18" (inside dimensions) as per approved design and specifications complete for 4" to 12" dia pipes upto 4 ft. (1.2 m) depth with 16" dia.Concrete Cover fixed						
39	SINO.25-4/a						
		1	x	3	3		
	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes confirming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings,						
40	SINO.27-46/av						
		1	x	100	100		

RS.

CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
						Total=	405.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	BOTOM SLAM	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		

						Total=	60.75	CFT		
5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls									
	S.I NO 5-22/B									
		1	1	33.50	0.75	7.00	175.88	CFT		
						Total	175.88	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/aiii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
						Total	268.00	Sft		

9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
						Total	33.50	Rft		
11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.									
	28-7/1									
		1	1	2.00		2.00	4.00	Sft		
						Total	4.00	Sft		
TOTAL										

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting bending, binding wastage and providing such overlap as are not shown on the drawings, the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		
5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.									
	S.I NO 9-2/ciii									

		1	2	7.57	0.66	7.00	69.95	CFT		
		1	2	13.50	0.66	7.00	124.74	CFT		
		1	2	6.00	0.66	7.00	55.44	CFT		
						Total	250.13	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	13.50	7.66	0.75	77.56	CFT		
							77.56	CFT		
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.									
	15-4/iii									
		1	1	2.00	21.32	6.00	255.84	Sft		
		1	1	4.00	7.66	6.00	183.84	Sft		
					Total		439.68	Sft		
9	Providing and fixing step iron or foot rest in manhole chambersincluding setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	1.00	1.00	each		
						Total	1.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	13-16/a									
		1	1	1.00		2.00	2.00	No		
					Total		2.00	No		
TOTAL										

REPAIR AND RENOVATION OF BHU TEERTEJ DISTRICT AWARAN
GENERAL ABSTRACT

<i>S NO.</i>	<i>DESCRIPTION OF WORK</i>	<i>AMOUNT</i>
1	REPAIR AND RENOVATION OF BHU TEERTEJ DISTRICT AWARAN	
2	CONSTRUCTION OF BOUNDARY WALL 320 RFT	
3	CONSTRUCTION OF UNDER GROUND WATER TANK	
4	CONSTRUCTION OF SEPTIC TANK	

Total Rs. 6317610/-

Say Rs. 6.318 Million

REPAIR AND RENOVATION OF BHU TEERTEJ DISTRICT AWARAN

S.No	Description	No	L	B/H	Otv	Rate	Amounte
1	Scraping rubbing and cleaning of emulsion finish snowcem from wall and ceiling including removal of rubbish in all floors. (S.I No: 4-56)						
	CEILING						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 sft
	First Aid	1	x	12.50	x	6.00	= 75.00 sft
	Porch	1	x	17.00	x	10.00	= 170.00 sft
	Toilet	2	x	5.00	x	4.00	= 40.00 sft
		1	x	4.33	x	5.67	= 24.55 sft
	Walls						
	Office	1	2	x	16.25	x	11.50 = 373.75 sft
		1	2	x	12.50	x	11.50 = 287.50 sft
	Ward	1	2	x	16.00	x	11.50 = 368.00 sft
		1	2	x	12.00	x	11.50 = 276.00 sft
	First Aid	1	2	x	12.50	x	11.50 = 287.50 sft
		1	2	x	6.00	x	11.50 = 138.00 sft
	Porch	1	1	x	17.00	x	8.50 = 144.50 sft
	Porch	1	1	x	10.00	x	8.50 = 85.00 sft
	Beam	1	1	x	17.00	x	3.00 = 51.00 sft
		1	1	x	10.00	x	3.00 = 30.00 sft
	Columns	1	2	x	3.32	x	7.50 = 49.80 sft
	Toilets	1	2	x	5.00	x	9.50 = 95.00 sft
		1	2	x	4.00	x	9.50 = 76.00 sft
		1	1	x	4.33	x	9.50 = 41.14 sft
		1	2	x	5.66	x	9.50 = 107.54 sft
	Outer Side	1	1	x	71.75	x	13.50 = 968.63 sft
	Shade	1	1	x	117.66	x	1.50 = 176.49 sft
	Toilets	1	1	x	14.67	x	11.00 = 161.37 sft
		1	2	x	6.33	x	11.00 = 139.26 sft
		1	2	x	5.33	x	11.00 = 117.26 sft
						Total A	4678.41 sft
	Deuction						
	D	1	x	2	x	3.50	x 7.00 = 49.00 sft
	D1	1	x	1	x	3.00	x 7.00 = 21.00 sft
	D2	1	x	2	x	2.50	x 7.00 = 35.00 sft
	W	1	x	5	x	4.00	x 4.00 = 80.00 sft
	v	1	x	2	x	1.50	x 1.50 = 4.50 sft
						Total B	189.50 sft
	Net Quantity(A---B)	4678.41		189.50	Total	4488.91	sft
2	Removing door with chowkat						
	SINO.4-32/a						
	Main Building	1	x	2	x	3.50	x 7.00 = 49.00 sft
	Toilet Block	1	x	1	x	3.00	x 7.00 = 21.00 sft
		1	x	2	x	2.50	x 7.00 = 35.00 sft
						Total	105.00 sft
3	Removing Windows with chowkat						
	SINO.4-32/b						
	w	1	x	4	x	4.00	x 4.00 = 64.00 sft
	v	1	x	1	x	1.50	x 1.50 = 2.25 sft
						Total	66.25 sft
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes						
	SINO.4-19/a						
	Office	1	x	1	x	16.25	x 12.50 = 203.13 sft
	Ward	1	x	1	x	16.12	x 1.50 = 24.18 sft
	First Aid	1	x	1	x	12.50	x 6.00 = 75.00 sft
	Porch	1	x	1	x	17.00	x 10.00 = 170.00 sft
	Toilets & Bath	1	x	2	x	5.00	x 4.00 = 40.00 sft
	Wash Area	1	x	1	x	4.33	x 5.66 = 24.51 sft
						Total	536.81 sft
5	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.						

SINO.14-2/bii										
Office	1	x	16.25	x	12.50		=	203.13	sft	
Ward	1	x	16.00	x	12.00	x	=	192.00	cft	
First Aid	1	x	12.50	x	6.00	x	=	75.00	cft	
Toilets	2	x	5.00	x	4.00	x	=	40.00	cft	
Wash Area	1	x	4.33	x	5.66	x	=	24.51	cft	
Total								534.63	sft	
6 Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard										
SINO.28-40/cii										
(3.5+3.5+7.5+7.5=25)	2	x	1.00	x	25.00		=	50.00	sft	
(3.0+3.0+7.5+7.5=21)	1	x	1.00	x	21.00		=	21.00	sft	
(2.5+2.5+7.5+7.5=25)	2	x	1.00	x	20.00		=	40.00	sft	
Total								111.00	sft	
7 Providing and laying super white 12"x12" marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.										
SINO.14-9/b										
Office	1	x	1	x	16.25	x	12.50	=	203.13	sft
Ward	1	x	1	x	16.00	x	12.00	=	192.00	sft
First Aid	1	x	1	x	12.50	x	6.00	=	75.00	sft
Porch	1	x	1	x	17.00	x	10.00	=	170.00	sft
Total								640.13	sft	
9 Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry of matching color, cleaning & curing.										
SINO.14-64/a										
Toilets & Bath	2	x	2	x	5.00	x	7.00	=	140.00	sft
	4	x	2	x	4.00	x	7.00	=	224.00	sft
Wash Area	1	x	1	x	4.33	x	7.00	=	30.31	sft
	1	x	2	x	5.66	x	7.00	=	79.24	sft
Total								473.55	sft	
10 Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing										
SINO.14-25/a										
Toilets & Bath Floor	1	x	2	x	5.00	x	4.00	=	40.00	sft
Wash Area	1	x	1	x	4.33	x	5.66	=	24.51	sft
Total								64.51	sft	
11 providing and laying Roof Screeding thick using 3/4 (19mm) including form work consolidating finishing and curing.										
SINO.14-68/b										
Main Building	1	x	33.33	x	27.00			899.91	sft	
Toilet Block	1	x	17.66	x	9.33			164.7678	sft	
Total								1064.6778	sft	
12 providing on old surface of wall with Bergerconcrete surfac including cleanding and ICI or equvalint on plastered rendered orsand preparing the surfac.										
SINO.17-33/b										
Same Quantity of item no.1								4488.91	sft	

										Total		4488.9061		
13	painting on old surface on wood work withBerger /ICI or equivalent super gloss sythetic enmal paint on wood work.													
SINO.17-31														
D	2	x	2	x	3.50	x	7.00	=	98.00	sft				
D1	2	x	1	x	3.00	x	7.00	=	42.00	sft				
D2	2	x	2	x	2.50	x	7.00	=	70.00	sft				
								Total		210.00 sft				
14	Providing and fixing fully glazed single leaf hung/sliding aluminium windows, ventilators (Deluxe model - 1.6mm) of anodized champagne or approved color of Prime, Chawala, Pakistan Cable or any approved section as approved by Engineer incharge including aluminium fittings, 5 mm local tinted glass, lugs, cutting holes and making good the damages to walls.													
SINO.28-24/1														
Windows	5	x	4.00	x	4.00			=	80.00	sft				
								Total		80.00 sft				
15	providing and fixing iron grills as approvedjunction including with sunk iron screwdesign including weilding of all side at painting with two coat of red oxide.													
SINO.28-27-1														
Windows	5	x	5.00	x	5.00			=	125.00	sft				
								125.00		sft				
Conversion in Kg	125		x		3.5	Total			437.50	Kg				
16	providing and fixing GI wire guaze 22 guage(1.15 mm) and 144 mesh per sq .inch withfirst class deodar beading with one sq inchas approved design.													
SINO.16-40-A														
Windows	5	x	5.00	x	5.00			=	125.00	sft				
								Total		125.00 sft				
17	providing and fixing first class deodar wooddeodar wood shutter fully panelled with same wood and fixed with approved brass hinges and tower bolts													
SINO.16-7/A														
Doors	2	x			3.50	x	7.00	=	49.00	sft				
Doors	1	x			3.00	x	7.00	=	21.00	sft				
Doors	2	x			2.50	x	7.00	=	35.00	sft				
								Total		105.00 sft				

RS.

CONSTRUCTION OF BOUNDRY WALL 320 RFT FOR BHU TEERTEJ DISTRICT
AWARAN

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m lift up to 1.5m									
	3-21/Aiii									
	BOUNDRY WALL	1	1	320.00	2.50	2.50	2000.00	CFT		
	GATE COLUMNS FOOTING	1	3	3.00	3.00	3.00	81.00	CFT		
						Total=	2081.00	CFT		
2	Providing and laying cement concrate 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
	BOUNDRY WALL	1	1	320.00	2.50	0.25	200.00	CFT		
	GATE COLUMNS FOOTING	1	3	4.00	4.00	0.25	12.00	CFT		
						Total=	212.00	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcment for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such									
	5-44/A									
	Steel in Foundation									
	1/2" dia bars in found:	1	4	320.00	0.667	0.4536	580.61	KG		
	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
	1/2" dia bars in Col. C1	29	4	12.50	0.667	0.4536	438.70	KG		
	3/8" dia ring @ 9"c/c	29	15	3.75	0.375	0.4536	277.48	KG		
	1/2" dia bars in Col. C2	3	6	12.50	0.667	0.4536	68.07	KG		
	3/8" dia ring @ 9"c/c	3	15	6.50	0.375	0.4536	49.75	KG		
	Steel in Plinth Band									
	1/2" dia bars in found:	1	4	320.00	0.667	0.4536	387.27	KG		

	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
						Total=	2198.63	KG		
	WEIGHT IN TON						2.199	KG		
4	Providing and laying cement concrete 1:2:4 (1 cement 2 sand 4 crush) using crushed size 19mm (3/4") and down gauge in foundation bed including levelling , form work , compacting , curing , and removal of form work.									
	5-8-c									
	BOUNDRY WALL	1	1	320.00	2.00	0.75	480.00	CFT		
	GATE COLUMNS FOOTING	3	1	8.00	8.00	1.50	288.00	CFT		
						Total=	768.00	CFT		
5	Providing and laying plain hand mixed cement concrete using sand approved source and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation and plinth including									
	S.I NO 5-4/a									
	BOUNDRY WALL	1	1	320.00	1.50	1.50	720.00	CFT		
	GATE COLUMNS FOOTING	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step									
	BOUNDRY WALL	1	1	320.00	1.125	0.75	270.00	CFT		
	GATE COLUMNS FOOTING	3	1	2.50	1.125	2.00	16.88	CFT		
				Total=		(A)	1030.50	CFT		
	1st Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.125	0.75	18.35	CFT		
	COLUMNS C2	3	1	2.50	1.125	1.00	8.44	CFT		
				Total=		(B)	99.35	CFT		
	Net QUANTITY					(A -- B)	931.15	CFT		
6	Providing and laying in Situ cement concrete 1 : 2 : 4 (1 cement 2 sand 4 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work									
	5-15/C									
	1st Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		

	2nd Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.13	1.00	24.47	CFT		
	COLUMNS C2	3	1	2.50	1.13	1.00	8.44	CFT		
						Total=	105.47	CFT		
7	Providing and laying 1:2:4 cement concrete using shingle or bajri 19mm and down gauge in plinth band, door band and roof band of required shape or section including formwork and its removal, compacting and curing in basement and ground floor but excluding the cost of reinforcement.									
	5-49/a									
	PLINTH BAND CONCRETE									
	BOUNDRY WALL	1	1	320.00	1.000	0.75	240.00	CFT		
	GATE COLUMNS FOOTING	3	1	1.50	1.50	0.75	5.06	CFT		
						Total=	245.06	CFT		
8	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) and down gauge in ground floor super-structure									
	S.I NO 9-7/Cii									
	Wall in super structure									
	BOUNDRY WALL	1	1	320.00	0.58	6.00	1113.60	CFT		
						Total=	1113.60	CFT		
					sub total A		1113.60	CFT		
	Ded: Columns C1	29	1	0.75	0.58	6.00	75.69	CFT		
					sub total B		75.69	CFT		
	NET QUANTITY				A-B		1037.91	CFT		

9	Providing and laying in Situ cement concrete 1:2:4 (1 cement 2 sand 3 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work									
	5-15-c									
	S. STRUCTURE COLUMNS CONCRETE									
	COLUMNS C1	29	1	0.75	0.58	6.00	75.69	CFT		
	COLUMNS C2	3	1	1.50	1.50	6.00	40.50	CFT		
						Total=	116.19	CFT		
11	19mm (3/4") thick cement plaster 1:4 cement mortar ratio on wall and columns in basement plinth and ground floor including making edges corner and curing.									
	15-4/iii									
	BOUNDARY WALL	1	2	320.00		7.00	4480.00	CFT		
					Total		4480.00	SFT		
12	Applying weather resistant paint coating such as ICI weather shield, Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10									
	17-69-1									
	SAME QTY OF PLASTER									
						Total	4480.00	SFT		
13	Providing and fixing steel grated double leaf Gate with locking arrangement, and angle iron (2" x 2" x .375") for frame, middle strip 6.4 mm (.25) thick gusset plate 75 mm x 75 mm (3" x 3") at each edge and 19 mm (.75) M.S square or round bars 5/8" or 6/8" dia at 100 mm (4) center to center including two coats of red oxide paint as per the direction of Engineer Incharge.									
	28-18-1									
	M. GATE	1	1	12.00	7.00		84.00	SFT		
	SIDE GATE	1	1	4.00	7.00		28.00	SFT		
					Total		112.00	SFT		
					4.3	112.00	487.20	SFT		
							487.20	SFT		
TOTAL										

CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
						Total=	405.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	BOTOM SLAM	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		

						Total=	60.75	CFT		
5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls									
	S.I NO 5-22/B									
		1	1	33.50	0.75	7.00	175.88	CFT		
						Total	175.88	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/aiii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
						Total	268.00	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									

		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
					Total	33.50	33.50	Rft		
11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.									
	28-7/1									
		1	1	2.00		2.00	4.00	Sft		
					Total	4.00	4.00	Sft		
TOTAL										

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		
5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.									
	S.I NO 9-2/ciii									

		1	2	7.57	0.66	7.00	69.95	CFT	
		1	2	13.50	0.66	7.00	124.74	CFT	
		1	2	6.00	0.66	7.00	55.44	CFT	
						Total	250.13	CFT	
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"								
5-22/c									
		1	1	13.50	7.66	0.75	77.56	CFT	
							77.56	CFT	
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.								
15-4/iii									
		1	1	2.00	21.32	6.00	255.84	Sft	
		1	1	4.00	7.66	6.00	183.84	Sft	
					Total		439.68	Sft	
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.								
25-12/b									
		1	1	1.00	1.00	1.00	1.00	each	
						Total	1.00	each	
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.								
13-16/a									
		1	1	1.00		2.00	2.00	No	
					Total		2.00	No	
TOTAL									

**REPAIR AND RENOVATION OF BHU WAJA BAGH JAHOO DISTRICT
AWARAN**

GENERAL ABSTRACT

<i>S NO.</i>	<i>DESCRIPTION OF WORK</i>	<i>AMOUNT</i>
1	BHU WAJA BAGH JHAOO	
2	CONSTRUCTION OF BOUNDRY WALL 250 RFT	
3	CONSTRUCTION OF UNDER GROUND WATER TANK	
4	CONSTRUCTION OF SEPTIC TANK	

Total **Rs. 6425049/-**

Say Rs. 6.425 Million

DETAIL ESTIMATE FOR REPAIR AND RENOVATION OF BHU WAJA BAGH JAHOO DISTRICT AWARAN.

S.No	Description	No	L	B/H	Qty	Rate	Amounte	
1	Scraping rubbing and cleaning of emulsion finish snowcem from wall and ceiling including removal of rubbish in all floors.							
	(S.I No: 4-56)							
	CEILLING							
	Office	1	x	14.00	x	12.00	= 168.00	
	Ward	1	x	14.00	x	12.00	= 168.00	
	First Aid	1	x	14.00	x	12.00	= 168.00	
	Store	1	x	9.00	x	9.00	= 81.00	
	Toilet	2	x	5.00	x	4.00	= 40.00	
	Porch	1	x	14.00	x	9.50	= 133.00	
	Porch	2	x	9.82	x	9.50	= 186.58	
	Back Side Porch	1	x	15.00	x	4.00	= 60.00	
	Walls							
	Office	1	2	x	14.00	x	11.50	= 322.00
		1	2	x	12.50	x	11.50	= 287.50
	Ward	1	2	x	14.00	x	11.50	= 322.00
		1	2	x	12.00	x	11.50	= 276.00
	First Aid	1	2	x	14.00	x	11.50	= 322.00
		1	2	x	12.00	x	11.50	= 276.00
	Store	1	2	x	9.00	x	11.50	= 207.00
		1	2	x	9.00	x	11.50	= 207.00
	Porch	1	1	x	14.00	x	11.50	= 161.00
		1	1	x	11.00	x	11.50	= 126.50
	Columns	1	2	x	3.32	x	11.50	= 76.36
	Toilets	2	2	x	5.00	x	9.50	= 190.00
		2	2	x	4.00	x	9.50	= 152.00
	Outer Side	1	1	x	131.33	x	13.50	= 1772.96
	Shade	1	1	x	39.31	x	1.50	= 58.97
	Toilets	1	1	x	128.25	x	1.50	= 192.38
					Total A		5954.24	
	Deuction							
	D	1	x	2	x	3.50	x 7.00	= 49.00
	D1	1	x	1	x	3.00	x 7.00	= 21.00
	D2	1	x	2	x	2.50	x 7.00	= 35.00
	W	1	x	5	x	4.00	x 4.00	= 80.00
	v	1	x	2	x	1.50	x 1.50	= 4.50
					Total B		189.50	
	Net Quantity(A---B)		5954.24		189.50	Total	5764.74	
2	Removing door with chowkat							
	SINO.4-32/a							
	Main Building	1	x	4	x	3.50	x 7.00	= 98.00
	Store	1	x	1	x	3.00	x 7.00	= 21.00
	Toilet	1	x	2	x	2.50	x 7.00	= 35.00
					Total		154.00	
3	Removing Windows with chowkat							
	SINO.4-32/b							
	w	1	x	3	x	6.00	x 5.00	= 90.00
	w	1	x	1	x	4.00	x 3.00	= 12.00
	v	1	x	1	x	3.00	x 3.00	= 9.00
					Total		111.00	
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes							
	SINO.4-19/a							
	Office	1	x	14.00	x	12.00	= 168.00	
	Ward	1	x	14.00	x	12.00	= 168.00	
	First Aid	1	x	14.00	x	12.00	= 168.00	
	Store	1	x	9.00	x	9.00	= 81.00	
	Toilet	2	x	5.00	x	4.00	= 40.00	
	Porch	1	x	14.00	x	9.50	= 133.00	
	Porch	2	x	9.82	x	9.50	= 186.58	
	Back Side Porch	1	x	15.00	x	4.00	= 60.00	
					Total		1004.58	
5	Providing and laying 1:2:4 cement concrete floor using using crushed aggrgate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, SINO.14-2/bii							

	Office	1	x	14.00	x	12.00	=	168.00
	Ward	1	x	14.00	x	12.00	=	168.00
	First Aid	1	x	14.00	x	12.00	=	168.00
	Store	1	x	9.00	x	9.00	=	81.00
	Porch	1	x	14.00	x	12.00	=	168.00
	Back Side Porch	1	x	15.00	x	4.00	=	60.00
	Toilets	2	x	5.00	x	6.00	=	60.00
						Total		873.00
6	Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard conforming to B.S.S.1245, SINO.28-40/cii							
	(3.5+3.5+7.5+7.5=25)	4	x	1.00	x	25.00	=	100.00
	(3.0+3.0+7.5+7.5=21)	1	x	1.00	x	21.00	=	21.00
	(2.5+2.5+7.5+7.5=25)	2	x	1.00	x	20.00	=	40.00
						Total		161.00
7	roviding and laying super white 12"x12" marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.							
	SINO.14-9/b							
	Office	1	x	1	x	14.00	x	12.00
	Ward	1	x	1	x	14.00	x	12.00
	First Aid	1	x	1	x	14.00	x	12.00
	Store	1	x	1	x	9.00	x	9.00
	Porch	1	x	1	x	14.00	x	12.00
	Porch Back Side	1	x	1	x	15.00	x	4.00
						Total		813.00
9	Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with							
	SINO.14-64/a							
	Toilets & Bath	2	x	2	x	5.00	x	7.00
		2	x	2	x	6.00	x	7.00
						Total		308.00
10	Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing							
	SINO.14-25/a							
	Toilets & Bath Floor	1	x	2	x	5.00	x	6.00
						Total		60.00

11	providing and laying Roof Screeding 2" thick using 3/4 (19mm) including form work consolidating finishing and curing.								
	SINO.14-68/b								
	Covered Area	1	x	1.00	x		1353.78		1353.78
12	providing on old surface of wall with Bergerconcrete surfac including cleanding and ICI or equivalent on plastered rendered orsand preparing						Total		1353.78
	SINO.17-33/b								5764.74
	Same Quantity of item no.1						Total		5764.735
13	painting on old surface on wood work withBerger /ICI or equivalent super gloss synthetic								
	SINO.17-31								
	D	2	x	4	x	3.50	x	7.00	= 196.00
	D1	2	x	1	x	3.00	x	7.00	= 42.00
	D2	2	x	2	x	2.50	x	7.00	= 70.00
							Total		308.00
14	Providing and fixing fully glazed single leaf hung/sliding aluminium windows, ventilators (Deluxe model - 1.6mm) of anodized champagne or approved color of								
	SINO.28-24/1								
	Windows	3	x	6.00	x			5.00	= 90.00
	Windows	1	x	3.00	x			3.00	= 9.00
	Windows	1	x	3.00	x			4.00	= 12.00
							Total		111.00
15	providing and fixing iron grills as approvedjunction including with sunk iron screwdesign including weilding of all side at painting with two coat of red oxide.								
	SINO.28-27-1								
	Windows	3	x	7.00	x			6.00	= 126.00
	Windows	1	x	4.00	x			5.00	= 20.00
	Windows	1	x	4.00	x			4.00	= 16.00
									162.00
	Conversion in Kg	162		x		3.5	Total		567.00
16	providing and fixing GI wire guaze 22 guage(1.15 mm) and 144 mesh per sq .inch withfirst class deodar beading with one sq inchas approved design.								
	SINO.16-40-A								
	Windows	3	x	7.00	x			6.00	= 126.00
	Windows	1	x	4.00	x			5.00	= 20.00
	Windows	1	x	4.00	x			4.00	= 16.00
							Total		162.00
17	providing and fixing first class deodar wooddeodar wood shutter fully panelled with same wood and fixed with approved brass hinges and tower bolts								
	SINO.16-7/A								
	Doors	4	x			3.50	x	7.00	= 98.00
	Doors	1	x			3.00	x	7.00	= 21.00
	Doors	2	x			2.50	x	7.00	= 35.00
							Total		154.00

SANITARY FITTING AND WATER SUPPLY

- 18 Providing and fixing export quality glazed earthen ware wash basin manufactured by ICL Boch/Karam Cera or equivalent approved make with single hole chromium plated mixer tap 1/2" (15mm), pillar tap delux, stop cocks, C.I. or W.I. brackets 6" (150mm) built into walls 1.5" (40mm) C.P. brass waste with malleable iron or C.P. brass trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material

SINO.23-5	1 x	1	=	1
		Total		1

- 19 providing fixing stainless steel sink Pakistan made with C.I. or W.I brackets 6" built in wall, 1.5" (40 mm) rubber plug, C.P. brass chain, C.P. brass waste, pillar tap 2 way delux, 1.5" dia malleable iron or C.P. brass trap and unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material

SINO.23-8/a	1 x	1	=	1
				1

- 20 providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with screw.

SINO.23-15-1 Baths	1 x	1	x	1	1
		Total			1

- 21 Providing and fixing squatting type water closet with integral

SINO.23-2/a	1 x	2	=	2
		Total		2

- 22 providing and fixing approved make plastic accessories.

SINO.23-30 Soap Dish	1 x	2	=	2
		Total		2

- 23 Toilet paper Holder

1	x	2	=	2
		Total		2

- 24 Towel Rod
SINO.23-30

1 x	3	=	3
	Total		3

- 25 providing and fixing approved quality bib
SINO.23-34/B

1	x	2	=	2
		Total		2

- 26 providing laying cutting jointing and

disinfecting G.I
Pipe lill make or

SINO.23-52/Aii 1 x

210 = 210

Total 210

INTERNAL ELECTRIFICATION

- 27 Light circuit
concealed/open
wiring with length
upto 75 ft. (25m)
from
distribution board to
point/switch with
3x2.5 Sq.mm PVC
insulated
single core copper
conductor Pakistan
Cables, Pioneer,
Newage or
approved equivalent
cables for
offices/multi
storeyed buildings.

SINO.30-1 1 x

6 = 6

Total 6

- 28 Wiring of 5 Amps.
socket outlet with 4
sq.mm PVC
insulated single
core copper
conductor cable
including 3/4"
(20mm) dia. PVC
conduit,
8.7sq.mm (10SWG)
copper wire as earth
continuity conductor
and
wiring accessories
such as bends,
elbows, junction
boxes etc.

SINO.30-9 2 x

12 = 24

Total 24

- 29 supply and install
56" (1.42 m) sweep
ceiling fan with fan
hook and dimmer
complete with all
accessories.

SINO.30-87 1 x

4 = 4

Total 4

- 30 fixing fan to ceiling
SINO.30-89/B

1 x

4 = 4

Total 4

- 31 supply and
installation 20" (500
mm) sweep
revolving bracket
fan with guard

SINO.30-114 1 x

2 Total = 2

2

- 32 Supply and install
10" (250 mm) sweep
exhaust fan
including plastic

1 x

2 2

Total = 2

- 33 Supply and install
Energy Saver
electric bulbs25W
Philips energy save

1 x

15 15

Total = 15

SINO.30-117/C

- 34 Providing and fixing
LDPE overhead tank
manufactured by
Dura or

1 x

1 1

Total = 1

SINO.27-44

35	Supply and install Electric motors with pump including all accessories.	1	x	1	1	
36	SINO.30-118/a					
37	Supply and install 35 gallons electric geyser	1	x	1	1	
	SINO.30-123/a					
38	R.C.C pipe with bell & spigot or tongued & grooved joint conforming to ASTM SINO.25-1/bi	1	x	50	50	
39	Providing manhole type 'A' size 24" x 18" (inside dimensions) as per approved design SINO.25-4/a	1	x	3	3	
40	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes SINO.27-46/av	1	x	100	100	
						RS.

CONSTRUCTION OF BOUNDRY WALL 250 RFT BHU WAJA BAGH JAHOO

BOUNDRY WALL

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m lift up to 1.5m									
	3-21/Aiii									
	BOUNDRY WALL	1	1	250.00	2.50	2.50	1562.50	CFT		
	GATE COLUMNS FOOTING	1	3	3.00	3.00	3.00	81.00	CFT		
						Total=	1643.50	CFT		
2	Providing and laying cement concrate 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
	BOUNDRY WALL	1	1	250.00	2.50	0.25	156.25	CFT		
	GATE COLUMNS FOOTING	1	3	4.00	4.00	0.25	12.00	CFT		
						Total=	168.25	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	Steel in Foundation									
	1/2" dia bars in found:	1	4	250.00	0.667	0.4536	453.60	KG		
	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
	1/2" dia bars in Col. C1	29	4	12.50	0.667	0.4536	438.70	KG		
	3/8" dia ring @ 9"c/c	29	15	3.75	0.375	0.4536	277.48	KG		
	1/2" dia bars in Col. C2	3	6	12.50	0.667	0.4536	68.07	KG		
	3/8" dia ring @ 9"c/c	3	15	6.50	0.375	0.4536	49.75	KG		
	Steel in Plinth Band									
	1/2" dia bars in found:	1	4	250.00	0.667	0.4536	302.55	KG		
	3/8" dia ring @ 9"c/c	1	311	3.75	0.375	0.4536	198.38	KG		
						Total=	1986.91	KG		
	WEIGHT IN TON						1.987	KG		
4	Providing and laying cement concrate 1:2:4 (1 cement 2 sand 4 crush) using crushed size 19mm (3/4") and down gauge in foundation bed including levelling , form work , compacting , curing , and removal of form work.									
	5-8-c									
	BOUNDRY WALL	1	1	250.00	2.00	0.75	375.00	CFT		
	GATE COLUMNS FOOTING	3	1	8.00	8.00	1.50	288.00	CFT		
						Total=	663.00	CFT		

5	Providing and laying plain hand mixed cement concrete using sand approved source and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation and plinth including leveling, compacting & curing.									
	S.I NO 5-4/a									
	BOUNDRY WALL	1	1	250.00	1.50	1.50	562.50	CFT		
	GATE COLUMNS FOOTING	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step									
	BOUNDRY WALL	1	1	250.00	1.125	0.75	210.94	CFT		
	GATE COLUMNS FOOTING	3	1	2.50	1.125	2.00	16.88	CFT		
				Total=		(A)	813.94	CFT		
	1st Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step DEDUCTION OF COLUMNS									
	COLUMNS C1	29	1	0.75	1.125	0.75	18.35	CFT		
	COLUMNS C2	3	1	2.50	1.125	1.00	8.44	CFT		
				Total=		(B)	99.35	CFT		
	Net QUANTITY					(A -- B)	714.59	CFT		
6	Providing and laying in Situ cement concrete 1 : 2 : 4 (1 cement 2 sand 4 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work									
	5-15/C									
	1st Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.50	1.50	48.94	CFT		
	COLUMNS C2	3	1	3.50	1.50	1.50	23.63	CFT		
	2nd Step COLUMNS									
	COLUMNS C1	29	1	0.75	1.13	1.00	24.47	CFT		
	COLUMNS C2	3	1	2.50	1.13	1.00	8.44	CFT		
						Total=	105.47	CFT		
7	Providing and laying 1:2:4 cement concrete using shingle or bajri 19mm and down gauge in plinth band, door band and roof band of required shape or section including formwork and its removal, compacting and curing in basement and ground floor but excluding the cost of reinforcement.									
	5-49/a									
	PLINTH BAND CONCRETE									
	BOUNDRY WALL	1	1	250.00	1.000	0.75	187.50	CFT		
	GATE COLUMNS FOOTING	3	1	1.50	1.50	0.75	5.06	CFT		
						Total=	192.56	CFT		
8	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) and down gauge in ground floor super-structure including scaffolding, raking out joints and curing.									
	S.I NO 9-7/Cii									
	Wall in super structure									
	BOUNDRY WALL	1	1	250.00	0.58	6.00	870.00	CFT		
						Total=	870.00	CFT		
						sub total A	870.00	CFT		
	Ded: Columns C1	29	1	0.75	0.58	6.00	75.69	CFT		
						sub total B	75.69	CFT		
	NET QUANTITY					A-B	794.31	CFT		

9	Providing and laying in Situ cement concrete 1:2:4 (1 cement 2 sand 3 crush) using crush size 19mm (3/4") and down gauge in Columns concrete including formwork compacting curing and removal of form work									
	5-15-c									
	S. STRUCTURE COLUMNS CONCRETE									
	COLUMNS C1	29	1	0.75	0.58	6.00	75.69	CFT		
	COLUMNS C2	3	1	1.50	1.50	6.00	40.50	CFT		
						Total=	116.19	CFT		
11	19mm (3/4") thick cement plaster 1:4 cement mortar ratio on wall and columns in basement plinth and ground floor including making edges corner and curing.									
	15-4/iii									
	BOUNDRY WALL	1	2	250.00		7.00	3500.00	CFT		
						Total	3500.00	SFT		
12	Applying weather resistant paint coating such as ICI weather shield, Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10									
	17-69-1									
	SAME QTY OF PLASTER									
						Total	3500.00	SFT		
13	Providing and fixing steel grated double leaf Gate with locking arrangement, and angle iron (2" x 2" x .375") for frame, middle strip 6.4 mm (.25) thick gusset plate 75 mm x 75 mm (3" x 3") at each edge and 19 mm (.75) M.S square or round bars 5/8" or 6/8" dia at 100 mm (4) center to center including two coats of red oxide paint as per the direction of Engineer Incharge.									
	28-18-1									
	M. GATE	1	1	12.00	7.00		84.00	SFT		
	SIDE GATE	1	1	4.00	7.00		28.00	SFT		
						Total	112.00	SFT		
					4.3	112.00	487.20	SFT		
							487.20	SFT		
TOTAL										

CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE										
S. No	DESCRIPTION N	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m lift up to 1.5m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
					Total=			405.00	CFT	
2	Providing and laying cement concreate 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcment for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	BOTOM SLAM	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		
						Total=	60.75	CFT		
5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls									
	S.I NO 5-22/B									
		1	1	33.50	0.75	7.00	175.88	CFT		
						Total	175.88	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									

	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/aiii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/ skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
					Total		268.00	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
					Total		33.50	Rft		
11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.									
	28-7/1									
		1	1	2.00		2.00	4.00	Sft		
						Total	4.00	Sft		
TOTAL										

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting bending, binding wastage and providing such overlap as are not shown on the drawings, the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		

5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.								
	S.I NO 9-2/ciii								
		1	2	7.57	0.66	7.00	69.95	CFT	
		1	2	13.50	0.66	7.00	124.74	CFT	
		1	2	6.00	0.66	7.00	55.44	CFT	
					Total		250.13	CFT	
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"								
	5-22/c								
		1	1	13.50	7.66	0.75	77.56	CFT	
							77.56	CFT	
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.								
	15-4/iii								
		1	1	2.00	21.32	6.00	255.84	Sft	
		1	1	4.00	7.66	6.00	183.84	Sft	
					Total		439.68	Sft	
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.								
	25-12/b								
		1	1	1.00	1.00	1.00	1.00	each	
					Total		1.00	each	
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.								
	13-16/a								
		1	1	1.00		2.00	2.00	No	
					Total		2.00	No	
TOTAL									

DISTRICT AWARAN
GENERAL ABSTRACT

S NO.	DESCRIPTION OF WORK	AMOUNT
1	REPAIR AND RENOVATION OF BHU ZOOM DAN PIRANDAR DISTRICT AWARAN	
2	CONSTRUCTION OF UNDER GROUND WATER TANK	
3	water bore	
4	CONSTRUCTION OF SEPTIC TANK	

Total Rs. 6505643/-

Say Rs. 6.506 Million

REPAIR AND RENOVATION OF BHU ZOOM DAN PIRANDAR DISTRICT AWARAN

S.No	Description	No	L	B/H	Qty	Rate	Amounte
1	Scraping rubbing and cleaning of emulsion finish snowcem from wall and ceiling including removal of rubbish in all floors. (S.I No: 4-56)				0		
	CEILING						
	Office	1	x	16.25	x	12.50	= 203.13 sft
	Ward	1	x	16.00	x	12.00	= 192.00 sft
	First Aid	1	x	12.50	x	6.00	= 75.00 sft
	Porch	1	x	17.00	x	10.00	= 170.00 sft
	Toilet	2	x	5.00	x	4.00	= 40.00 sft
	Walls	2	x	16.25	x	11.50	= 373.75 sft
	Office	1	2	x	12.50	x	11.50 = 287.50 sft
		1	2	x	16.00	x	11.50 = 368.00 sft
	Ward	1	2	x	12.00	x	11.50 = 276.00 sft
		1	2	x	12.50	x	11.50 = 287.50 sft
	First Aid	1	2	x	6.00	x	11.50 = 138.00 sft
		1	1	x	17.00	x	8.50 = 144.50 sft
	Porch	1	1	x	10.00	x	8.50 = 85.00 sft
	Porch	1	1	x	17.00	x	3.00 = 51.00 sft
	Beam	1	1	x	10.00	x	3.00 = 30.00 sft
		1	2	x	3.32	x	7.50 = 49.80 sft
	Columns	1	2	x	5.00	x	9.50 = 95.00 sft
	Toilets	1	2	x	4.00	x	9.50 = 76.00 sft
		1	1	x	4.33	x	9.50 = 41.14 sft
		1	2	x	5.66	x	9.50 = 107.54 sft
		1	1	x	71.75	x	13.50 = 968.63 sft
	Outer Side	1	1	x	117.66	x	1.50 = 176.49 sft
	Shade	1	1	x	14.67	x	11.00 = 161.37 sft
	Toilets	1	2	x	6.33	x	11.00 = 139.26 sft
		1	2	x	5.33	x	11.00 = 117.26 sft
		1					
						Total A	4653.86 sft
	Deuction	1	x	2	x	3.50	x 7.00 = 49.00 sft
	D	1	x	1	x	3.00	x 7.00 = 21.00 sft
	D1	1	x	2	x	2.50	x 7.00 = 35.00 sft
	D2	1	x	5	x	4.00	x 4.00 = 80.00 sft
	W	1	x	2	x	1.50	x 1.50 = 4.50 sft
	v						
						Total B	189.50 sft
		4653.86			189.50	Total	4464.36 sft
	Net Quantity(A---B)						
2	Removing door with chowkat						
	SINO.4-32/a	1	x	2	x	3.50	x 7.00 = 49.00 sft
	Main Building	1	x	1	x	3.00	x 7.00 = 21.00 sft
	Toilet Block	1	x	2	x	2.50	x 7.00 = 35.00 sft
						Total	105.00 sft
3	Removing Windows with chowkat						
	SINO.4-32/b	1	x	4	x	4.00	x 4.00 = 64.00 sft
	w	1	x	1	x	1.50	x 1.50 = 2.25 sft
	v					Total	66.25 sft
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes						
	SINO.4-19/a	1	x	1	x	16.25	x 12.50 = 203.13 sft
	Office	1	x	1	x	16.12	x 1.50 = 24.18 sft
	Ward	1	x	1	x	12.50	x 6.00 = 75.00 sft
	First Aid	1	x	1	x	17.00	x 10.00 = 170.00 sft
	Porch	1	x	2	x	5.00	x 4.00 = 40.00 sft
	Toilets & Bath	1	x	1	x	4.33	x 5.66 = 24.51 sft
	Wash Area					Total	536.81 sft
5	Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.						
	SINO.14-2/bii	1	x	16.25	x	12.50	= 203.13 sft
	Office	1	x	16.00	x	12.00	x = 192.00 cft
	Ward	1	x	12.50	x	6.00	x = 75.00 cft
	First Aid	2	x	5.00	x	4.00	x = 40.00 cft

Toilets	1	x	4.33	x	5.66	x	=	24.51	cft
Wash Area									
					Total			534.63	sft

- 6 Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard

SINO.28-40/cii	2	x	1.00	x	25.00	=	50.00	sft
(3.5+3.5+7.5+7.5=25)	1	x	1.00	x	21.00	=	21.00	sft
(3.0+3.0+7.5+7.5=21)	2	x	1.00	x	20.00	=	40.00	sft
(2.5+2.5+7.5+7.5=25)								
					Total		111.00	sft

7	providing and laying super white 12"x12" marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar.										
	SINO.14-9/b	1	x	1	x	16.25	x	12.50	=	203.13	sft
	Office	1	x	1	x	16.00	x	12.00	=	192.00	sft
	Ward	1	x	1	x	12.50	x	6.00	=	75.00	sft
	First Aid	1	x	1	x	17.00	x	10.00	=	170.00	sft
	Porch										
								Total		640.13	sft
9	Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry of matching color, cleaning & curing.										
	SINO.14-64/a	2	x	2	x	5.00	x	7.00	=	140.00	sft
	Toilets & Bath	4	x	2	x	4.00	x	7.00	=	224.00	sft
		1	x	1	x	4.33	x	7.00	=	30.31	sft
	Wash Area	1	x	2	x	5.66	x	7.00	=	79.24	sft
								Total		473.55	sft
10	Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing										
	SINO.14-25/a	1	x	2	x	5.00	x	4.00	=	40.00	sft
	Toilets & Bath Floor	1	x	1	x	4.33	x	5.66	=	24.51	sft
	Wash Area							Total		64.51	sft
11	providing and laying Roof Screeding thick using 3/4 (19mm) including form work consolidating finishing and curring.										
	SINO.14-68/b										
	Main Building	1	x	33.33	x			27.00		899.91	sft
	Toilet Block	1	x	17.66	x			9.33		164.7678	sft
								Total		1064.6778	sft
12	providing on old surface of wall with Bergerconcrete surfac including cleanding and ICI or equvalint on plastered rendered orsand preparing the surfac.										
	SINO.17-33/b									4464.36	sft
	Same Quantity of item no.1							Total		4464.355	
13	painting on old surface on wood work withBerger /ICI or equivalent super gloss syenthetic enmal paint on wood work.										
	SINO.17-31	2	x	2	x	3.50	x	7.00	=	98.00	sft
	D	2	x	1	x	3.00	x	7.00	=	42.00	sft
	D1	2	x	2	x	2.50	x	7.00	=	70.00	sft
	D2							Total		210.00	sft
14	Providing and fixing fully glazed single leaf hung/sliding aluminium windows, ventilators (Deluxe model - 1.6mm) of anodized champagne										

or approved color of frame, Chawara, Pakistan Cable or any approved section as approved by Engineer incharge including aluminium fittings, 5 mm local tinted glass, lugs, cutting holes and making good the damages to walls.

SINO.28-24/1	5	x	4.00	x	4.00	=	80.00	sft
Windows					Total		80.00	sft

- 15 providing and fixing iron grills as approvedjunction including with sunk iron screwdesign including welding of all side at painting with two coat of red oxide.

SINO.28-27-1	5	x	5.00	x	5.00	=	125.00	sft
Windows					125.00		125.00	sft

Conversion in Kg

12	Applying weather resistant paint coating such as ICI weather shield,Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials,scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10								
	17-69-1								
	SAME QTY OF PLASTER				4480.00	SFT			
13	Providing and fixing steel grated double leaf Gate with locking arrangement, and angle iron (2" x 2" x .375") for frame, middle strip 6.4 mm (.25) thick gusset plate 75 mm x 75 mm (3" x 3") at each edge and 19 mm (.75) M.S square or round bars 5/8" or 6/8" dia at 100 mm (4) center to center including two coats of red oxide paint as per the direction of Engineer Incharge.								
	28-18-1	1	###	7.00	84.00	SFT			
	M. GATE	1	1	###	7.00	28.00	SFT		
	SIDE GATE	1			112.00	SFT			
				4.3	487.20	SFT			
					487.20	SFT			

- 16 providing and fixing GI wire guaze 22 guage(1.15 mm) and 144 mesh per sq .inch withfirst class deodar beading with one sq inchas approved design.

SINO.16-40-A	5	x	5.00	x	5.00	=	125.00	sft
Windows					Total		125.00	sft

- 17 providing and fixing first class deodar wooddeodar wood shutter fully panelled with same wood and fixed with approved brass hinges and tower bolts

SINO.16-7/A	2	x	3.50	x	7.00	=	49.00	sft
Doors	1	x	3.00	x	7.00	=	21.00	sft
Doors	2	x	2.50	x	7.00	=	35.00	sft
Doors	Total						105.00	sft

SANITARY FITTING AND WATER SUPPLY

18	Providing and fixing export quality glazed earthen ware wash basin manufactured by ICL Boch/Karam Cera or equivalent approved make with single hole chromium plated mixer tap 1/2" (15mm), pillar tap delux, stop cocks, C.I. or W.I. brackets 6" (150mm) built into walls 1.5" (40mm) C.P. brass waste with malleable iron or C.P. brass trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material	1	x	1	=	1	Nos										
SINO.23-5				<table><tr><td colspan="3">Total</td><td>1</td><td>Nos</td></tr></table>				Total			1	Nos					
Total			1	Nos													
19	providing fixing stainless steel sink Pakistan made with C.I. or W.I brackets 6" built in wall, 1.5" (40 mm) rubber plug,C.P. brass chain, C.P. brass waste, pillar tap 2 way delux, 1.5" dia malleable iron or C.P. brass trap and unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material	1	x	1	=	1	Nos										
SINO.23-8/a				<table><tr><td colspan="3"></td><td>1</td><td>Nos</td></tr></table>							1	Nos					
			1	Nos													
20	providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with screw.																
SINO.23-15-1 Baths				<table><tr><td>1</td><td>x</td><td>1</td><td>1</td><td></td></tr><tr><td colspan="3">Total</td><td>1</td><td>sft</td></tr></table>				1	x	1	1		Total			1	sft
1	x	1	1														
Total			1	sft													
21	Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.	1	x	2	=	2	Nos										
SINO.23-2/a				<table><tr><td colspan="3">Total</td><td>2</td><td>Nos</td></tr></table>				Total			2	Nos					
Total			2	Nos													
22	providing and fixing approved make plastic accessories.																
SINO.23-30 Soap Dish				<table><tr><td>2</td><td></td><td>=</td><td>2</td><td>Nos</td></tr><tr><td colspan="3">Total</td><td>2</td><td>Nos</td></tr></table>				2		=	2	Nos	Total			2	Nos
2		=	2	Nos													
Total			2	Nos													
23	Toilet paper Holder	1	x	2	=	2	Nos										
				<table><tr><td colspan="3">Total</td><td>2</td><td>Nos</td></tr></table>				Total			2	Nos					
Total			2	Nos													
24	Towel Rod	1	x	3	=	3	Nos										
SINO.23-30				<table><tr><td colspan="3">Total</td><td>3</td><td>Nos</td></tr></table>				Total			3	Nos					
Total			3	Nos													
25	providing and fixing approved quality bib cock																
SINO.23-34/B				<table><tr><td>2</td><td></td><td>=</td><td>2</td><td>Nos</td></tr><tr><td colspan="3">Total</td><td>2</td><td>Nos</td></tr></table>				2		=	2	Nos	Total			2	Nos
2		=	2	Nos													
Total			2	Nos													
26	providing laying cutting jointing and disinfecting G.I Pipe lill make or equavilient.																
				<table><tr><td>210</td><td></td><td>=</td><td>210</td><td>Rft</td></tr></table>				210		=	210	Rft					
210		=	210	Rft													
SINO.23-52/Aii				<table><tr><td colspan="3">Total</td><td>210</td><td>Rft</td></tr></table>				Total			210	Rft					
Total			210	Rft													

INTERNAL ELECTRIFICATION

27	Light circuit concealed/open wiring with length upto 75 ft. (25m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings.	1	x	6	=	6	point										
SINO.30-1				<table><tr><td>Total</td><td>6</td><td>point</td></tr></table>				Total	6	point							
Total	6	point															
28	Wiring of 5 Amps. socket outlet with 4 sq.mm PVC insulated single core copper conductor cable including 3/4" (20mm) dia. PVC conduit, 8.7sq.mm (10SWG) copper wire as earth continuity conductor and wiring accessories such as bends, elbows, junction boxes etc.	2	x	12	=	24	Rm										
SINO.30-9				<table><tr><td>Total</td><td>24</td><td>Rm</td></tr></table>				Total	24	Rm							
Total	24	Rm															
29	supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories.	1	x	4	=	4	point										
SINO.30-87				<table><tr><td>Total</td><td>4</td><td>point</td></tr></table>				Total	4	point							
Total	4	point															
30	fixing fan to ceiling	1	x	4	=	4	point										
SINO.30-89/B				<table><tr><td>Total</td><td>4</td><td>point</td></tr></table>				Total	4	point							
Total	4	point															
31	supply and installation 20" (500 mm) sweep revolving bracket fan with guard																
SINO.30-114				<table><tr><td>2</td><td>Total</td><td>=</td><td>2</td><td>point</td></tr><tr><td></td><td></td><td></td><td>2</td><td>point</td></tr></table>				2	Total	=	2	point				2	point
2	Total	=	2	point													
			2	point													
32	Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.	1	x	2		2											
SINO.30-113				<table><tr><td>Total</td><td>=</td><td>2</td><td>point</td></tr></table>				Total	=	2	point						
Total	=	2	point														
33	Supply and install Energy Saver electric bulbs 25W Philips energy save	1	x	15		15											
SINO.30-117/C				<table><tr><td>Total</td><td>=</td><td>15</td><td>point</td></tr></table>				Total	=	15	point						
Total	=	15	point														
34	Providing and fixing LDPE overhead tank manufactured by Dura or equivalent on top of any floor louvers.	1	x	1		1											
SINO.27-44				<table><tr><td>Total</td><td>=</td><td>1</td><td>Nos</td></tr></table>				Total	=	1	Nos						
Total	=	1	Nos														
35	Supply and install Electric motors with pump including all accessories.	1	x	1		1											
SINO.30-118/a																	
37	Supply and install 35 gallons electric geyser	1	x	1		1											
SINO.30-123/a																	
38	R.C.C pipe with bell & spigot or tongued & grooved joint conforming to ASTM C-76 class II wall B or BS 3911 Part I class M including cost of reinforcement. 12" (300 mm) inner dia																
SINO.25-1/bi				<table><tr><td>50</td><td></td><td></td><td>50</td><td></td></tr><tr><td>Total</td><td>=</td><td>50</td><td>Rft</td><td></td></tr></table>				50			50		Total	=	50	Rft	
50			50														
Total	=	50	Rft														
39	Providing manhole type 'A' size 24" x 18" (inside dimensions) as per approved design and specifications complete for																

depth with 16" dia.Concrete Cover fixed in
 4" thick RCC 1:2:4 slab (with 5 lbs per Cu.ft. or 80 kg/Cu.m of steel), burnt brick masonry walls 9" (225 mm) thick set in 1:3 cement sand mortar, 6" thick 1:3:6 cement concrete in foundation, 4" av. thickness 1:2:4 cement concrete in benching and 1/2" (13mm) thick cement sand plaster in 1:3 to all inside wall surfaces,

SINO.25-4/a 1 x

3

3

Total	=	3	Rft
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40 Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes confirming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings, connnections and jointing material

SINO.27-46/av 1 x

100

100

Total	=	100	Rft
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RS.

DETAILED ESITAMTE FOR THE BORE , LEVLLING TUFF TILE

S.NO	ITEM OF WORK	QTY:				REATE	UNIT	AMOUNT
1	Mobilization of Drilling accessories to site of work (N.S.R).	1 x	1.00	x	1.00x	1.00		
					Total:	=	1.00	Job
						@	Rs	1.00
								Job
								P.Job
2	Digging of pits for Boring Liquid (N.S.R).	1 x	1.00	x	1.00x	1.00		
					Total:	=	1.00	Job
						@	Rs	1.00
								Job
								P.Job
3	Drilling of bore in all types of soil except shingle, gravel and rock. (Sl.No 27-5/a-i-p/27-229).	1 x	1.00	x	1.00x	250.00		
					Total:	=	250.00	feet
						@	Rs	250.00
								feet
								P.feet
4	Digging of bore exeeding 250ft depth below ground level (S.I.No 27-5bi/27-229).	1 x	1.00	x	1.00x	50.00		
					Total:	=	50.00	feet
						@	Rs	50.00
								feet
								P.feet
5	Supply of PVC blind pipe of approved make registered with PSQCSA in tubewell bore hole (S.I.No 27-48/dvip/27-248).	1 x	1.00	x	1.00x	180.00		
					Total:	=	180.00	feet
						@	Rs	180.00
								feet
								P.feet
6	Supply of PVC strainer in tubewell bore hole including sockets and solvent (NSR).	1 x	1.00	x	1.00x	120.00		
					Total:	=	120.00	feet
						@	Rs	120.00
								feet
								P.feet

Installing uPVC blind pipe ILL, Dadex or equivalent make registered with PSQCA in tubewell bore hole and/or laying, cutting, jointing and testing uPVC pipe lines in trenches. (S.I.No									
7	27-49/D-vi-p-27-251).	1 x	1.00	x	1.00x	300.00	=	300.00	feet
					Total:		@	Rs	300.00 feet
									P.feet
Providing and installing M.S bail plug of approved make registered with PSQCA. (S.I.No									
8	27-12/ip/27-231).	1 x	1.00	x	1.00x	1.00	=	1.00	feet
					Total:		@	Rs	1.00 feet
									P.feet
shrouding and installing with graded pea gravel 3/8 to 1/8"(10mm to 3mm) around tubewell bore hole. (S.I.No									
9	27-21/p 27-234).	1 x	1.00	x	1.00x	367.00	=	367.00	Cft
					Total:		@	Rs	367.00 Cft
									P.Cft
Logging tubewell Bore I/C lithology og bore strata chart (NSR). (									
10		1 x	1.00	x	1.00x	1.00	=	1.00	job
					Total:		@	Rs	1.00 job
									P.job
Development / Testng of Tube well by compressor mechine (S.I.No 27-20-ap/27-234).									
11		1 x	1.00	x	1.00x	1.00	=	1.00	job
					Total:		@	Rs	1.00 job
									P.job
12	Levelling and dressing the ground by cutting and filling earth upto 150mm in depth including consolidating and watering. (SI.NO.3-53)								
		1x			1x	200.00 x	400	=	80000.0 Sqm
						Total	=	80000.0	Sqm
						@ Rs			Sqm

Supply and Fixing of Concrete
pavers on 3" thick sand cushion
of different
designs having thickness of 60
mm, mechanically compressed,
minimum
strenght of 6000 psi after
laboratory testing at factory and
random testiing
at site as and when desired by
the Engineer incharge comple in
all respects.
a) 60 mm thick, tuff tiles Natural
gray
(SI.NO. 21-91)

1x	1x	100.00	x	30	=	3000.0	Sft
				Total	=	3000.0	Sft
				@ Rs			Sft
Total							Rs:-
G:Total							Rs:

CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m									
	3-21/Aiii									
		1	1	9.00	9.00	5.00	405.00	CFT		
						Total=	405.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	9.00	9.00	0.25	20.25	CFT		
						Total=	20.25	CFT		
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.									
	5-44/A									
	BOTOM SLAM	1	1	60.75	5.000		303.75	KG		
	WALL	1	1	175.88	5.000		879.40	KG		
	TOP	1	1	38.28	5.000		191.40	KG		
						Total=	1374.55	KG		
	WEIGHT IN TON						1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab									
	5-22/A									
		1	1	9.00	9.00	0.75	60.75	CFT		

						Total=	60.75	CFT		
5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls									
	S.I NO 5-22/B									
		1	1	33.50	0.75	7.00	175.88	CFT		
						Total	175.88	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/aiii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
						Total	268.00	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									

		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
					Total	33.50	Rft			
11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.									
	28-7/1									
		1	1	2.00		2.00	4.00	Sft		
					Total	4.00	Sft			
TOTAL										

CONSTRUCTION OF SEPTIC TANK

COST ESTIMATE

S. No	DESCRIPTION	No		MEASUREMENT			QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
	CIVIL WORKS									
1	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock									
	3-42/B									
		1	1	13.50	8.00	8.00	864.00	CFT		
						Total=	864.00	CFT		
2	Providing and laying cement concrete 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing									
	5 - 8 / e									
		1	1	13.50	8.00	0.25	27.00	CFT		
						Total=	27.00	CFT		
3	Providing and fabricating and laying Tor steel grade 40 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting bending, binding wastage and providing such overlap as are not shown on the drawings, the cost of binding wire etc.									
	5-65/A									
	Foundation Bed	27	7.5	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
	Slab	27	7.50	0.667	2.000		270.14	Lbs		
		15	13.33	0.667	2.000		266.73	Lbs		
						Total=	1073.74	Lbs		
	WEIGHT IN TON						0.479	Ton		
4	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	5-8/c									
		1	1	13.50	8.00	0.75	81.00	CFT		
						Total=	81.00	CFT		
5	Providing and laying 1:3:6 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) & down gauge in foundation, basement and plinth including scaffolding, raking out joints and curing.									
	S.I NO 9-2/ciii									

		1	2	7.57	0.66	7.00	69.95	CFT		
		1	2	13.50	0.66	7.00	124.74	CFT		
		1	2	6.00	0.66	7.00	55.44	CFT		
						Total	250.13	CFT		
6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	13.50	7.66	0.75	77.56	CFT		
							77.56	CFT		
8	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.									
	15-4/iii									
		1	1	2.00	21.32	6.00	255.84	Sft		
		1	1	4.00	7.66	6.00	183.84	Sft		
					Total		439.68	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	1.00	1.00	each		
						Total	1.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	13-16/a									
		1	1	1.00		2.00	2.00	No		
					Total		2.00	No		
TOTAL										

DETAILED REVISED ESTIMATE FOR THE CONSTRUCTION OF BASIC HEALTH UNIT FAQERABAD

S.No.	Description of Works								Quantity	Unit	Rate	Amount
1	Providing and laying of 6.4 mm (1/4") thick glazed tiles of any colour and size in ground floor laid over 25 mm (1") thick cement sand mortar base 1:2 (1 cement: 2 sand) including jointing and washing the tiles with cement slurry of matching colour by using pigment of matching colour and curing Si No 14-25-a Glazed Tiles:- Walls:- Dortor Room 1 x 2 x 14.00 x 12.00 = 336.00 Sft Corridore 1 x 1 x 24.67 x 10.00 = 246.70 Sft W.C 1 x 2 x 6.00 x 6.00 = 72.00 Sft Store 1 x 1 x 10.00 x 6.00 = 60.00 Sft Porch 1 x 1 x 11.34 x 12.67 = 143.68 Sft = 858.38 SFT											P.Sft
2	Providing and laying of 6.4 mm (1/4") thick glazed tiles of any colour and size in ground floor laid over 25 mm (1") thick cement sand mortar base 1:2 (1 cement: 2 sand) including jointing and washing the tiles with cement slurry of matching colour by using pigment of matching colour and curing Si No 14-64-a Glazed Tiles:- Walls:- Dortor Room 1 x 2 (12.00 + 14.00) 0.50 = 26.00 Sft Corridore 1 x 2 (24.67 + 10.00) 0.50 = 34.67 Sft W.C 1 x 2 (6.00 + 6.00) 0.50 = 12.00 Sft Store 1 x 2 (10.00 + 6.00) 0.50 = 16.00 Sft = 88.67 SFT											P.Sft
3	P/Fixing any kind of Aluminum windows sliding with wire gauze 30 gauge with frame 1/12" in colour. Si No 28-84-1 Windows W = 1 x 2 x 4.00 x 5.0 = 40.00 Sft W -1 = 1 x 8 x 3.00 x 5.0 = 120.00 Sft W -2 = 1 x 2 x 1.50 x 2.0 = 6.00 Sft V-1 = 1 x 1 x 3.00 x 2.0 = 6.00 Sft Total = 172.00 Sft											P.Sft
4	Painting in ground floor or basement with Robbialac (VIP) or equivalent plastic emulsion paint in two or more coats as per manufacturer's instruction on plastered, rendered and concrete surface over and including the cost of priming coat, surface preparation, dusting, rubbing down smooth filling any cracks, holes, removing blisters and other imperfections. (S.I.No.17-8/1) Roof/Slab :- Dortor Room 1 x 2 x 14.00 x 12.00 = 336.00 Sft Corridore 1 x 1 x 24.67 x 10.00 = 246.70 Sft W.C 1 x 2 x 6.00 x 6.00 = 72.00 Sft Store 1 x 1 x 10.00 x 6.00 = 60.00 Sft Porch 1 x 1 x 10.00 x 12.00 = 120.00 Sft Beams Inside 1 x 2 x 12.00 x 4.70 = 112.80 Sft Beams Inside 1 x 1 x 10.00 x 4.70 = 47.00 Sft Walls Plaster :- Dortor Room 1 x 2 (12.00 + 14.00) 10.50 = 546.00 Sft Corridore 1 x 2 (24.67 + 10.00) 10.50 = 728.07 Sft W.C 1 x 2 (6.00 + 6.00) 10.50 = 252.00 Sft Store 1 x 2 (10.00 + 6.00) 10.50 = 336.00 Sft A-B = 2856.57 Sft											P.Sft
5	Painting with Robbialac or equivalent weather coat in two or more coats over & i/c cost of priming coat. (S.I.No.17-61-b) External Walls Plaster :- Long wall 1 x 1 x 174.0 x 14.0 = 2436.00 Sft Col. Ver: 1 x 2 x 4.3 x 9.0 = 78.12 Sft Projection: Front Room 1 x 2 x 16.25 x 2.00 = 65.00 Sft Porch 1 x 1 x 14.33 x 2.00 = 28.66 Sft Sides Room 1 x 4 x 3.00 x 2.00 = 24.00 Sft Porch 1 x 2 x 10.50 x 2.00 = 42.00 Sft Toilet 1 x 2 x 6.50 x 2.00 = 26.00 Sft Back Room 1 x 2 x 8.00 x 2.00 = 32.00 Sft Toilet 1 x 1 x 27.67 x 2.00 = 55.34 Sft W-1 1 x 2 x 5.00 x 2.00 = 20.00 Sft A = 2807.12 Sft Deductions: D = 1 x 2 x 5.0 x 8.0 = 80.00 Sft W -1 = 1 x 4 x 3.0 x 5.0 = 60.00 Sft W-2 = 1 x 2 x 4.0 x 5.0 = 40.00 Sft B = 180.00 Sft A-B = 2627.12 Sft											P.Sft
6	P/F First class Teak wood shutters fully panelled with same wood and fixed with approved brass hinges and tower bolts. Si No 16-11-a-ii Doors D = 1 x 1 x 5.00 x 8.0 = 40.00 Sft D-1 = 1 x 2 x 4.00 x 8.0 = 64.00 Sft D-2 = 1 x 3 x 3.50 x 8.0 = 84.00 Sft D-3 = 1 x 2 x 2.50 x 8.0 = 40.00 Sft = 228.00 Sft											P.Sft
7	Painting in ground floor or basement with Robbialac or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instruction on wood work over and including the cost of priming coat, surface preparation, rubbing down smooth, knotted, filling cracks, holes and joints (S.I.No.17-6) Painting i/c Frame:- Doors D = 2 x 1 x 6.50 x 8.75 = 113.75 Sft D-1 = 2 x 2 x 5.50 x 8.75 = 192.50 Sft D-2 = 2 x 3 x 5.00 x 8.75 = 262.50 Sft D-3 = 2 x 2 x 4.00 x 8.75 = 140.00 Sft											

20	3/4" thick Cement plaster on walls and columns in ground floor i/c making edges, corners and curing. SI No 15-13/iii									
	W.C+ Store + Rooms Back wall	1	x	1	x	40.67	x	-	x	5.67 = 230.60 Sft
	W.C Sides wall	1	x	2	x	6.00	x	-	x	5.67 = 68.04 Sft
	Rooms Side walls	1	x	2	x	24.67	x	-	x	5.67 = 279.76 Sft
	Rooms Front wall	1	x	2	x	16.00	x	-	x	5.67 = 181.44 Sft
	Porch Front wall	1	x	2	x	11.34	x	-	x	5.67 = 128.60 Sft
	Porch Side walls	1	x	2	x	12.00	x	-	x	5.67 = 136.08 Sft
										Total = 1024.51 Sft
										P.Sft
21	Applying weather resistant paint coating such as ICI/ Berger or equivalent paint of approved shade on old surface of walls and ceiling including dusting, sand papering and cleaning, scaffolding and removal of debris (S.I.No.17-61/b)									
	Only External walls:									
	W.C+ Store + Rooms Back wall	1	x	1	x	40.67	x	-	x	5.67 = 230.60 Sft
	W.C Sides wall	1	x	2	x	6.00	x	-	x	5.67 = 68.04 Sft
	Rooms Side walls	1	x	2	x	24.67	x	-	x	5.67 = 279.76 Sft
	Rooms Front wall	1	x	2	x	16.00	x	-	x	5.67 = 181.44 Sft
	Porch Front wall	1	x	2	x	11.34	x	-	x	5.67 = 128.60 Sft
	Porch Side walls	1	x	2	x	12.00	x	-	x	5.67 = 136.08 Sft
										Total = 793.91 Sft
										P.Sft
	(+) 65% above Except Steel & related Items									
	(+) 99% above on Steel & related Items									
										B =Total
	Say Rs:-									
	<u>PLUMBING WORKS.</u>									
S.No.	Description of Works						Quantity	Unit	Rate	
1-	P/F water closet European type. (S.I.No.23-1/b-ii)									
	B.H.U	1x		1			=	1.00Nos.		
							=	1.00Nos.	Each	Rs -
2-	P/F water closet Indian type with all accseries. (S.I.No.23-2/a-ii)									
	B.H.U	1x		1			=	1.00Nos.		
							=	1.00Nos.	Each	Rs -
3	P/F Wash Basin 24" with all accseries. (S.I.No.23-45/b-ii)									
	B.H.U	1x		2			=	2.00Nos.		
							=	2.00Nos.	Each	Rs -
4	Providing and fixing 1/2" (12 mm) single hole superior quality C.P. mixer of approved make for wash hand basin, sink or shower. (S.I.No.23-37-1)									
	B.H.U	1x		1			=	1.00Nos.		
							=	1.00Nos.	Each	Rs -
5	P/F C.I floor Trap (6"x 2")with all accseries. (S.I.No.23-9/a)									
	B.H.U	1x		5			=	5.00Nos.		
							=	5.00Nos.	Each	Rs -
6	P/F approved quality Bathroom set i/c Toile rail, Soapdish, Toilet Paper and all accseries. S.I 23-69-1									
	B.H.U	1x		2			=	2.00Nos.		
							=	2.00Nos.	Each	Rs -
7	P/F chromium plated C.P stop-Cock (.75") with all accseries. (S.I.No.23-41/b)									
	B.H.U	1x		4			=	4.00Nos.		
							=	4.00Nos.	Each	Rs -
8	P/F Belgium Looking Glass (24"x18") with all accseries. (S.I.No.23-15-1)									
	B.H.U	2x		2.0	x 1.5		=	6.00Nos.		
							=	6.00Nos.	Each	Rs -
9	P/F gun-metal peet / gate valve with all accseries. B.H.U									
a-	0.75" dia (S.I.No.23-39/a-ii)	1x		2			=	2.00Nos.		
c-	1" dia (S.I.No.23-39/a-iii)	1x		2			=	2.00Nos.	Each	Rs -
							=	2.00Nos.	Each	Rs -
10	P/F chromium plated cast iron soil pipe with all accseries. B.H.U									
b-	4" dia (S.I.No.23-44/c)	2x		10.0			=	20.00Rt		
							=	20.00Rt	%Rt	Rs -
11	P/F chromium plated cast iron S.S special with spigot and socket joint (3"to 6") with all accseries. (S.I.No.23-46/a)									
	B.H.U	1x		80.0			=	80.00Kgs		
							=	80.00Kgs	P.Kgs	Rs -
12	P/F Cement Concrete gully trap (2") with all accseries. (S.I.No.25-2/a)									
	B.H.U	1x		4.0			=	4.00Nos.		
							=	4.00Nos.	Each	Rs -
13	P/F 0.5" dia Plastic rubber connection with all accseries. (S.I.No.25-59/a)									
	B.H.U	1x		100.0			=	100.00Nos.		
							=	100.00Nos.	Each	Rs -
14	P/F .75" dia brass ball valve with all accseries. (S.I.No.23-39/b)									
	B.H.U	1x		4			=	4.00Nos.		

21	'Providing and laying 1:4:8 C.C in foundation									
	Si No 5-5/c									
	Under G. Tank	1	x	1	x	12.0	x	10.0	x	0.50 = 60.00 Cft
23	Septic Tank	1	x	1	x	8.0	x	10.0	x	0.50 = 40.00 Cft
										Total = 100.00 Cft
										P.Cft Rs -
Providing fabrication and laying deformed steel for all kind of RCC works in Bottom Slab a the yield strength equal to 60000 psi.										
S.I No 5-40(a+h)										
24	Under G. Tank									
	1/2" M/B 5"o/c Bott	1	x	1	x	25	x	10.00	x	0.367 = 92.73 Kgs
	// D/B 6"o/c Bott	1	x	1	x	16	x	12.00	x	0.367 = 70.46 Kgs
25	Walls:									
	1/2" M/B 5"o/c	1	x	4	x	16	x	8.00	x	0.367 = 187.90 Kgs
	// D/B 8"o/c	1	x	4	x	8	x	10.00	x	0.367 = 119.22 Kgs
26	Convert into Tonne									
										= 470.32
										= 1000
27	Total= 0.470 Tonne									
										/-T Rs -
'Providing and laying 1:2:4 C.C in Slab										
Si No 5-17/a										
28	Under G. Tank (Bottom Slab)									
	1	x	1	x	12.0	x	10.0	x	0.5	= 60.00 Cft
										= 60.00 Cft
29										P.Cft Rs -
Providing and laying in situ cement concrete in column walls and piers etc., upto 225 mm (9") in thickness using shingle or bajri 19 mm (3/4") and down gauge including compacting, curing, cost of form work and its removal in basement and ground floor.										
Si No 5-13/c										
30	Under G. Tank (walls)									
	1	x	4	x	10.0	x	8.0	x	0.5	= 160.00 Cft
										= 160.00 Cft
31										P.Cft Rs -
'Providing and laying 1:3:6 cement concrete Block masonry in super structure										
Si No 9-7/b-ii										
32	Septic Tank H-Wall	=	1	x	2	x	12.0	x	0.50	x 7.0 = 84.00 Cft
	Septic Tank V-Wall	=	1	x	4	x	5.0	x	0.50	x 7.0 = 70.00 Cft
										= 154.00 Cft
33										P.Cft Rs -
3/4" thick Cement plaster on walls and columns in ground floor i/c making edges, corners and curing.										
Si No 15-13/iii										
34	Under G. Tank (Bottom Slab)									
	1	x	1	x	12.0	x	10.0	x	-	= 120.00 Sft
	Under G. Tank (walls)	1	x	4	x	12.0	x	8.0	x	- = 384.00 Sft
35	Septic Tank H-Wall	=	3	x	4	x	5.0	x	7.00	x - = 420.00 Cft
										Total = 924.00 Sft
										P.Sft Rs -
Providing fabrication and laying deformed steel for all kind of RCC works in Slab a the S.I No 5-40(a+h)										
36	Under G. Tank Size = 12.00 x 10.00									
	1/2"dia M/B 7"o/c	1	x	1	x	23	x	11.08	x	0.367 = 91.70 Kgs
	3/8"dia D/B 10"o/c	1	x	1	x	13	x	13.08	x	0.188 = 32.83 Kgs
37	Extra on L/4(L-dist) 3/8"dia 7"o/c	2	x	1	x	23	x	3.27	x	0.188 = 27.73 Kgs
	Extra on L/4(S-dist) 3/8"dia 10"o/c	2	x	1	x	13	x	3.77	x	0.188 = 18.92 Kgs
	Extra bar over L/4 3/8" dia 7"o/c	2	x	1	x	8	x	11.08	x	0.188 = 31.25 Kgs
38	Extra bar over L/4 3/8" dia 7"o/c	2	x	1	x	7	x	13.08	x	0.188 = 32.65 Kgs
	Septic Tank Size = 12.00 x 6.50									
	1/2"dia M/B 7"o/c	1	x	1	x	23	x	7.58	x	0.367 = 62.74 Kgs
39	3/8"dia D/B 10"o/c	1	x	1	x	9	x	13.08	x	0.188 = 22.46 Kgs
	Extra on L/4(L-dist) 3/8"dia 7"o/c	2	x	1	x	23	x	2.40	x	0.188 = 20.31 Kgs
	Extra on L/4(S-dist) 3/8"dia 10"o/c	2	x	1	x	9	x	3.77	x	0.188 = 12.95 Kgs
40	Extra bar over L/4 3/8" dia 7"o/c	2	x	1	x	8	x	7.58	x	0.188 = 21.38 Kgs
	Extra bar over L/4 3/8" dia 7"o/c	2	x	1	x	5	x	13.08	x	0.188 = 25.23 Kgs
										= 400.12
41	Convert into Tonne									
										= 1000
										Total= 0.400 Tonne
42										/-T Rs -
'Providing and laying 1:2:4 C.C in Slab										
Si No 5-17/a										
43	Under G. Tank									
	1	x	1	x	12.0	x	10.0	x	0.5	= 60.00 Cft
	Septic Tank:	1	x	1	x	12.0	x	6.5	x	0.5 = 39.00 Cft
44										= 99.00 Cft
										P.Cft Rs -
45										Rs -
										Rs -
										Rs -
46	Total Rs									
(+) 65% above Except Steel & related Items										
(+) 99% above on Steel & related Items										
Say Rs:-										

ELECTRIFICATION WORKS.

S.No.	Description of Works	Quantity	Unit	Rate	AMOUNT
1	Light circuit concealed/open wiring with length upto 65 ft. (20m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings.				
	(S.I.No.30-2 B.H.U	1x	3	= 3.00points = 3.00points	Each Rs -
2	Concealed/open wiring from point to point with length upto 10 ft. (3m) with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables.				
	(S.I.No.30-4/a B.H.U		L.P	F.P	P.P
	Rooms	1 x	8	x	4 x 2
	Baths	1 x	2	x	x
	Corridore	1 x	1	x	x
	Porch	1 x	3	x	1 x 1
	Outside	1 x	4	x	x 1
			18	+ 5 +	2 = 25 Points Total= 25 Points
3	Supply and install 1-gang, 5 Amp, 250 Volt., plate type moulded switch including appropriate size plastic box to be fixed recessed in wall.				Each Rs -
	(S.I.No.30-11 B.H.U			P.P 6 = 6 Points Total= 6 Points	Each Rs -
4	Supply and install 5 Amp, 250 Volt moulded, one-way, single pole, flush mounting plano type light control switch alongwith fan dimmers on appropriate size plastic box to be fixed recessed in wall alongwith switch box and plate suitable for upto 3 switches on a common board.				
	(S.I.No.30-17 B.H.U	1x	4	= 4Nos. = 4Nos.	Each Rs -
5	Description same as in item 30-19 but 3 pin 15 Amps. switch socket unit.				
	(S.I.No.30-20 B.H.U	1x	4	= 4Nos. = 4Nos.	Each Rs -
6	Supply and install 25 sq.mm PVC insulated single core 600/1000V.cable with copper conductor in already concealed PVC conduit.				
	(S.I.No.30-37 B.H.U	1x	30	= 30Nos. = 30Nos.	Each Rs -

7	Supply and installation of 1.42 m (56") sweep ceiling fan with fan hook and fan regulator complete with all (S.I.No.30-87) B.H.U	1x	6	=	6 Nos.	Each	Rs	-
				=	6 Nos.			
8	Supply and install 30 Amp, triple pole, 415 volts metal clad load breaker switch on surface of walls. (S.I.No.30-57) B.H.U	1x	1	=	1 Nos.	Each	Rs	-
				=	1 Nos.			
9	Supply and installation of distribution board, 18 SWG sheet steel enclosure, suitable for recess/semirecess mounting and comprising. (S.I.No.30-123/a) B.H.U	1x	1	=	1 Nos.	Each	Rs	-
				=	1 Nos.			
10	Supply and installation of Electric motors with pump including all accessories. (S.I.No.30-118/a) B.H.U	1x	1	=	1 Nos.	Each	Rs	-
				=	1 Nos.			
11	Light Fixture Philips Type LED 13W,complete in all respect with allied accessories or approved equivalent. The fitting shall be approved by the Engineer. (S.I.No.30-124) B.H.U	1x	18	=	18 Prt	P./rt	Rs	-
				=	18 Prt			
						Total	Rs	-

Say Rs:-

<u>DETAILED REVISED ESTIMATE FOR THE CONSTRUCTION OF BASIC HEALTH UNIT FAQEERABAD</u>		
<u>ABSTRACT OF COST</u>		
-		
S.No	Description of Works	Amount
1-	Civil Works	Rs:-
2-	Plumbing Works	Rs:-
3-	Electrification Works.	Rs:-
-		
Total		Rs:- 2.447 Million

2.447 Million

DETAILED REVISED ESTIMATE FOR THE CONSTRUCTION OF BASIC HEALTH UNIT KANDASOL

S.No.	Description of Works	Quantity	Unit	Rate	Amount
1	Providing and laying of 6.4 mm (¼") thick glazed tiles of any colour and size in ground floor laid over 25 mm (1") thick cement sand mortar base 1:2 (1 cement: 2 sand) including jointing and washing the tiles with cement slurry of matching colour by using pigment of matching colour and curing Si No 14-25-a Glazed Tiles:- Walls:- Dortor Room Corridore W.C Store Porch	1 x 2 x 14.00 x 12.00 1 x 1 x 24.67 x 10.00 1 x 2 x 6.00 x 6.00 1 x 1 x 10.00 x 6.00 1 x 1 x 11.34 x 12.67	Sft Sft Sft Sft Sft	= = = = = =	336.00 246.70 72.00 60.00 143.68 858.38 SFT
					P.Sft
2	Providing and laying of 6.4 mm (¼") thick glazed tiles of any colour and size in ground floor laid over 25 mm (1") thick cement sand mortar base 1:2 (1 cement: 2 sand) including jointing and washing the tiles with cement slurry of matching colour by using pigment of matching colour and curing Si No 14-64-a Glazed Tiles:- Walls:- Dortor Room Corridore W.C Store	1 x 2 (12.00 + 14.00) 1 x 2 (24.67 + 10.00) 1 x 2 (6.00 + 6.00) 1 x 2 (10.00 + 6.00)	0.50 0.50 0.50 0.50	= = = = =	26.00 Sft 34.67 Sft 12.00 Sft 16.00 Sft 88.67 SFT
					P.Sft
3	P/Fixing any kind of Aluminum windows sliding with wire gauze 30 gauge with frame 1/1/2" in colour. Si No 28-84-1 Windows W = W -1 = W -2 = V-1 =	1 x 2 x 4.00 x 5.0 1 x 8 x 3.00 x 5.0 1 x 2 x 1.50 x 2.0 1 x 1 x 3.00 x 2.0	Sft Sft Sft Sft	= = = = =	40.00 120.00 6.00 6.00 172.00 Sft
					P.Sft
4	Painting in ground floor or basement with Robbialac (VIP) or equivalent plastic emulsion paint in two or more coats as per manufacturer's instruction on plastered, rendered and concrete surface over and including the cost of priming coat, surface preparation, dusting, rubbing down smooth filling any cracks, holes, removing blisters and other imperfections. (S.I.No.17-8/1) Roof/Slab :- Dortor Room Corridore W.C Store Porch Beams Inside Beams Inside Walls Plaster :- Dortor Room Corridore W.C Store	1 x 2 x 14.00 x 12.00 1 x 1 x 24.67 x 10.00 1 x 2 x 6.00 x 6.00 1 x 1 x 10.00 x 6.00 1 x 1 x 10.00 x 12.00 1 x 2 x 12.00 x 4.70 1 x 1 x 10.00 x 4.70 1 x 2 (12.00 + 14.00) 1 x 2 (24.67 + 10.00) 1 x 2 (6.00 + 6.00) 1 x 2 (10.00 + 6.00)	Sft Sft Sft Sft Sft Sft Sft 10.50 10.50 10.50 10.50	= = = = = = = = = = = =	336.00 246.70 72.00 60.00 120.00 112.80 47.00 546.00 Sft 728.07 Sft 252.00 Sft 336.00 Sft 2856.57 Sft
					P.Sft
5	Painting with Robbialac or equivalent weather coat in two or more coats over & i/c cost of priming coat. (S.I.No.17-61-b) External Walls Plaster :- Long wall Col: Ver: Projection: Front Room Porch Sides Room Porch Toilet	1 x 1 x 174.0 x 14.0 1 x 2 x 4.3 x 9.0 1 x 2 x 16.25 x 2.00 1 x 1 x 14.33 x 2.00 1 x 4 x 3.00 x 2.00 1 x 2 x 10.50 x 2.00 1 x 2 x 6.50 x 2.00	Sft Sft Sft Sft Sft Sft Sft	= = = = = = = =	2436.00 78.12 65.00 28.66 24.00 42.00 26.00

Back									
Room	1	x	2	x	8.00	x	2.00	=	32.00 Sft
Toilet	1	x	1	x	27.67	x	2.00	=	55.34 Sft
W-1	1	x	2	x	5.00	x	2.00	=	20.00 Sft
								A =	= 2807.12 Sft
Deductions:									
D =	1	x	2	x	5.0	x	8.0	=	80.00 Sft
W-1 =	1	x	4	x	3.0	x	5.0	=	60.00 Sft
W-2 =	1	x	2	x	4.0	x	5.0	=	40.00 Sft
								B	= 180.00 Sft
								A-B	= 2627.12 Sft
									P.Sft
6 P/F First class Teak wood shutters fully panelled with same wood and fixed with approved brass hinges and tower bolts.									
Si No 16-11-a-ii									
Doors	D =	1	x	1	x	5.00	x	8.0	= 40.00 Sft
	D-1 =	1	x	2	x	4.00	x	8.0	= 64.00 Sft
	D-2 =	1	x	3	x	3.50	x	8.0	= 84.00 Sft
	D-3 =	1	x	2	x	2.50	x	8.0	= 40.00 Sft
									= 228.00 Sft
									P.Sft
7 Painting in ground floor or basement with Robbialac or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instruction on wood work over and including the cost of priming coat, surface preparation, rubbing down smooth, knotted, filling cracks, holes and joints									
(S.I.No.17-6)									
Painting i/c Frame:-									
Doors	D =	2	x	1	x	6.50	x	8.75	= 113.75 Sft
	D-1 =	2	x	2	x	5.50	x	8.75	= 192.50 Sft
	D-2 =	2	x	3	x	5.00	x	8.75	= 262.50 Sft
	D-3 =	2	x	2	x	4.00	x	8.75	= 140.00 Sft
								Total	= 708.75 Sft
									P.Sft
8 P/F hydraulic Door Lock with handle.									
(S.I.No.16-66/c)									
Doors	D =	1	x	1	x	8		=	8.00 Nos.
									= 8.00 Nos.
									P.No.
9 Providing and fixing approved 9" chromic plate brass tower bolts of sizes with screws of same metal.									
(S.I.No.16-80/B-a-iii)									
								1x 8	= 8 Nos.
									= 8 Nos.
									P.No.
10 Providing and fixing iron grills required section of squar bar as per approved design including welding all sides of the section at the junction and fixing with sunk iron screws, painting with two coats of red oxide paint in masonry or concrete work.									
(S.I.No.28-28-1)									
Windows	W. =	1	x	2	x	4.00	x	5.0	= 40.00 Sft
	W -1 =	1	x	8	x	3.00	x	5.0	= 120.00 Sft
	V -1 =	1	x	2	x	1.50	x	2.0	= 6.00 Sft
	V-1 =	1	x	1	x	3.00	x	2.0	= 6.00 Sft
									= 172.00 Sft
								Total Qty's:	= 172.0x 1.00
									= 172.00 Sft
									P.Kg
11 Providing and fixing wooden box type ward-robe Lamination 550 mm (22") deep including 19 mm (3/4") thick boxing and shelves hanger rods, hard board masonite 4.8 mm (3/16") thick back, drawers, brass fitting, locking arrangement, handles, internal bolts, shoe rods including painting.									
(S.I.No.16-82/c)									
Almarah	1	x	3	x	6.00	x	-	x	8.0
								=	144.00 Sft
									= 144.00 Sft
									P.Sft
12 Painting in ground floor or basement with Robbialac or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instruction on steel and iron work over and including the cost of priming coat, surface preparation removing rust, scales and dust with wire brush.									
(S.I.No.17-7)									
Windows	W. =	1	x	2	x	4.00	x	5.0	= 40.00 Sft
	W -1 =	1	x	8	x	3.00	x	5.0	= 120.00 Sft
	V -1 =	1	x	2	x	1.50	x	2.0	= 6.00 Sft
	V-1 =	1	x	1	x	3.00	x	2.0	= 6.00 Sft

= 172.00Sft P.Sft

13 Excavation in foundation of buildings, bridges, and other structures, depth upto 4 meters including dagbellling, dressing, refilling around structures with excavated earth, watering and ramming lead upto 30m lift upto 1.5 m.
Si No (3-21/a-iv

Plinth Protection:

S/Sides	1	x	2	x	48.67	x	1.0	x	1.00	=	97.34	Cft
L/Sides	1	x	2	x	52.83	x	1.0	x	1.00	=	105.66	Cft
										=	203.00	Cft

P.Cft

14	P/L 1:4:8 cement concrete using shingle or bajri 19 mm (3/4") and down gauge in foundation including leveling compacting and curing.										
	Si No (5-5/c										
	Plinth Protection:										
	S/Sides	1	x	2	x	48.67	x	1.0	x	0.33	= 32.12 Cft
	L/Sides	1	x	2	x	52.83	x	1.0	x	0.33	= 34.87 Cft
Total=										66.99 Cft	%cft
15	Providing and laying 1:3:6 C.C Block masonry in super structure										
	Si No (9-7/c-iii										
	Plinth Protection:										
	S/Sides	1	x	2	x	48.67	x	0.5	x	1.50	= 73.01 Cft
	L/Sides	1	x	2	x	52.83	x	0.5	x	1.50	= 79.25 Cft
										152.25 Cft	P.Cft
16	Providing and laying 1:2:4 cement concrete floor using using crushed aggrgate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.										
	Si No (14-2/b										
	Plinth Protection:										
	S/Sides	1	x	2	x	48.67	x	2.0	x	0.25	= 48.67 Cft
	L/Sides	1	x	2	x	52.83	x	2.0	x	0.25	= 52.83 Cft
Total=										101.50 Cft	P.Sft
17	Providing and laying 1:2:4 cement concrete floor using using crushed aggrgate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.										
	Si No (14-2/A-i										
	Plinth Protection:										
	S/Sides	1	x	2	x	48.67	x	2.0			= 194.68 Sft
	L/Sides	1	x	2	x	52.83	x	2.0			= 211.32 Sft
										406.00 Sft	P.Sft
18	Providing and laying 1:2:4 P.C.C. roof screeding using graded bajri/shingle 19 mm and down gauge including formwork, consolidation, finishing and curing.										
	Si No (14-68/b										
	S-1	1	x	1	x	43.67	x	26.00			= 1135.42 Sft
	S-1	1	x	1	x	24.67	x	6.67			= 164.55 Sft
	S-1	1	x	1	x	12.67	x	11.33			= 143.55 Sft
Total										1443.52 Sft	P.Sft
19	Providing and laying 1:3:6 cement concrete Block masonry in super structure										
	Si No (9-7/b-ii+9-12-1										
	W.C+ Store + Rooms Back wall	1	x	1	x	40.67	x	0.67	x	2.5	= 68.12 Cft
	W.C Sides wall	1	x	2	x	6.00	x	0.67	x	2.5	= 20.10 Cft
	Rooms Side walls	1	x	2	x	24.67	x	0.67	x	2.5	= 82.64 Cft
	Rooms Front wall	1	x	2	x	16.00	x	0.67	x	2.5	= 53.60 Cft
	Porch Front wall	1	x	2	x	11.34	x	0.67	x	2.5	= 37.99 Cft
	Porch Side walls	1	x	2	x	12.00	x	0.67	x	2.5	= 40.20 Cft
	Total										302.66 Cft
											P.Cft
											P.Cft
											P.Cft
20	3/4" thick Cement plaster on walls and columns in ground floor i/c making edges, corners and curing.										
	Si No 15-13/iii										
	W.C+ Store + Rooms Back wall	1	x	1	x	40.67	x	-	x	5.67	= 230.60 Sft
	W.C Sides wall	1	x	2	x	6.00	x	-	x	5.67	= 68.04 Sft
	Rooms Side walls	1	x	2	x	24.67	x	-	x	5.67	= 279.76 Sft
	Rooms Front wall	1	x	2	x	16.00	x	-	x	5.67	= 181.44 Sft
	Porch Front wall	1	x	2	x	11.34	x	-	x	5.67	= 128.60 Sft
	Porch Side walls	1	x	2	x	12.00	x	-	x	5.67	= 136.08 Sft
	Total										1024.51 Sft
											P.Sft
21	Applying weather resistant paint coating such as ICI/ Berger or equivalent paint of approved shade on old surface of walls and ceiling including dusting, sand papering and cleaning, scaffolding and removal of debris										
	(S.I.No.17-61/b										
	Only External walls:										
	W.C+ Store + Rooms Back wall	1	x	1	x	40.67	x	-	x	5.67	= 230.60 Sft
	W.C Sides wall	1	x	2	x	6.00	x	-	x	5.67	= 68.04 Sft
	Rooms Side walls	1	x	2	x	24.67	x	-	x	5.67	= 279.76 Sft
	Rooms Front wall	1	x	2	x	16.00	x	-	x	5.67	= 181.44 Sft
	Porch Front wall	1	x	2	x	11.34	x	-	x	5.67	= 128.60 Sft

Porch Side walls

1

x

2

x

12.00

x

-

x

5.67

=

136.08

Sft

Total

=

793.91

Sft

P.Sft

0

B = Total

Say Rs:-

PLUMBING WORKS.

S.No.	Description of Works	Quantity	Unit	Rate	
1-	P/F water closet European type. (S.I.No.23-1/b-ii) B.H.U	1x 1	= 1.00Nos. = 1.00Nos.	Each	Rs -
2-	P/F water closet Indian type with all acceseries. (S.I.No.23-2/a-ii) B.H.U	1x 1	= 1.00Nos. = 1.00Nos.	Each	Rs -
3	P/F Wash Basin 24" with all acceseries. (S.I.No.23-45/b-ii) B.H.U	1x 2	= 2.00Nos. = 2.00Nos.	Each	Rs -
4	Providing and fixing 1/2" (12 mm) single hole superior quality C.P. mixer of approved make for wash hand basin, sink or shower. (S.I.No.23-37-1) B.H.U	1x 1	= 1.00Nos. = 1.00Nos.	Each	Rs -
5	P/F C.I floor Trap (6"x 2")with all acceseries. (S.I.No.23-9/a) B.H.U	1x 5	= 5.00Nos. = 5.00Nos.	Each	Rs -
6	P/F approved quality Bathroom set i/c Toile rail, Soapdish, Toilet Paper and all acceseries. S.I 23-69-1 B.H.U	1x 2	= 2.00Nos. = 2.00Nos.	Each	Rs -
7	P/F chromium plated C.P stop-Cock (.75") with all acceseries. (S.I.No.23-41/b) B.H.U	1x 4	= 4.00Nos. = 4.00Nos.	Each	Rs -
8	P/F Belgium Looking Glass (24"x18") with all acceseries. (S.I.No.23-15-1) B.H.U	2x 2.0 x 1.5	= 6.00Nos. = 6.00Nos.	Each	Rs -
9	P/F gun-metal peet / gate valve with all acceseries. B.H.U				
a-	0.75" dia (S.I.No.23-39/a-ii)	1x 2	= 2.00Nos.		
c-	1" dia = (S.I.No.23-39/a-iii)	1x 2	= 2.00Nos. = 2.00Nos.	Each	Rs -
10	P/F chromium plated cast iron soil pipe with all acceseries. B.H.U				
b-	4" dia = (S.I.No.23-44/c)	2x 10.0	= 20.00Rft = 20.00Rft	%Rft	Rs -
11	P/F chromium plated cast iron S.S special with spigot and socket joint (3"to 6") with all acceseries. (S.I.No.23-46/a) B.H.U	1x 80.0	= 80.00Kgs = 80.00Kgs	P.Kgs	Rs -
12	P/F Cement Concrete gully trap (2") with all acceseries. (S.I.No.25-2/a) B.H.U	1x 4.0	= 4.00Nos. = 4.00Nos.	Each	Rs -
13	P/F 0.5" dia Plastic rubber connection with all acceseries. (S.I.No.25-59/a) B.H.U	1x 100.0	= 100.00Nos. = 100.00Nos.	Each	Rs -
14	P/F .75" dia brass ball valve with all acceseries. (S.I.No.23-39/b) B.H.U	1x 4	= 4.00Nos. = 4.00Nos.	Each	Rs -

21 'Providing and laying 1:4:8 C.C in foundation									
Si No (5-5/c									
Under G. Tank									
Septic Tank	1	x	1	x	12.0	x	10.0	x	0.50 = 60.00 Cft
	1	x	1	x	8.0	x	10.0	x	0.50 = 40.00 Cft
									Total = 100.00 Cft
23 Providing fabrication and laying deformed steel for									
all kind of RCC works in Bottom Slab a the yield									
strength equal to 60000 psi.									
S.I No 5-40/a+h									
Under G. Tank									
1/2" M/B 5"c/c Bott:	1	x	1	x	25	x	10.00	x	0.367 = 92.73 Kgs
// D/B 6"c/c Bott	1	x	1	x	16	x	12.00	x	0.367 = 70.46 Kgs
Walls:									
1/2" M/B 5"c/c	1	x	4	x	16	x	8.00	x	0.367 = 187.90 Kgs
// D/B 8"c/c	1	x	4	x	8	x	10.00	x	0.367 = 119.22 Kgs
									= 470.32
									= 1000
Convert into Tonne									
									Total = 0.470 Tonne
24 'Providing and laying 1:2:4 C.C in Slab									
Si No (5-17/a									
Under G. Tank (Bottom Slab)									
	1	x	1	x	12.0	x	10.0	x	0.5 = 60.00 Cft
									= 60.00 Cft
25									
Providing and laying in situ cement concrete in column walls and piers etc., upto 225 mm (9") in thickness using shingle or bajri 19 mm (3/4") and down gauge including compacting, curing, cost of form work and its removal in basement and ground floor.									
Si No (5-13/c									
Under G. Tank (walls)									
	1	x	4	x	10.0	x	8.0	x	0.5 = 160.00 Cft
									= 160.00 Cft
26 'Providing and laying 1:3:6 cement concrete Block masonry in super structure									
Si No (9-7/b-ii									
Septic Tank H-Wall	1	x	2	x	12.0	x	0.50	x	7.0 = 84.00 Cft
Septic Tank V-Wall	1	x	4	x	5.0	x	0.50	x	7.0 = 70.00 Cft
									= 154.00 Cft
27 3/4" thick Cement plaster on walls and columns in									
ground floor i/c making edges, corners and curing.									
Si No 15-13/iii									
Under G. Tank (Bottom Slab)									
	1	x	1	x	12.0	x	10.0	x	- = 120.00 Sft
Under G. Tank (walls)									
	1	x	4	x	12.0	x	8.0	x	- = 384.00 Sft
Septic Tank H-Wall	3	x	4	x	5.0	x	7.00	x	- = 420.00 Cft
									Total = 924.00 Sft
28 Providing fabrication and laying deformed steel for all kind of RCC works in Slab									
S.I No 5-40/a+h									
Under G. Tank Size =									
1/2"dia M/B 7"c/c	1	x	1	x	23	x	11.08	x	0.367 = 91.70 Kgs
3/8"dia D/B 10"c/c	1	x	1	x	13	x	13.08	x	0.188 = 32.83 Kgs
Extra on L/4(L-dist:) 3/8"dia 7"c/c	2	x	1	x	23	x	3.27	x	0.188 = 27.73 Kgs
Extra on L/4(S-dist:) 3/8"dia 10"c/c	2	x	1	x	13	x	3.77	x	0.188 = 18.92 Kgs
Extra bar over L/4 3/8" dia 7"c/c	2	x	1	x	8	x	11.08	x	0.188 = 31.25 Kgs
Extra bar over L/4 3/8" dia 7"c/c	2	x	1	x	7	x	13.08	x	0.188 = 32.65 Kgs
Septic Tank Size =									
1/2"dia M/B 7"c/c	1	x	1	x	23	x	7.58	x	0.367 = 62.74 Kgs
3/8"dia D/B 10"c/c	1	x	1	x	9	x	13.08	x	0.188 = 22.46 Kgs
Extra on L/4(L-dist:) 3/8"dia 7"c/c	2	x	1	x	23	x	2.40	x	0.188 = 20.31 Kgs
Extra on L/4(S-dist:) 3/8"dia 10"c/c	2	x	1	x	9	x	3.77	x	0.188 = 12.95 Kgs
Extra bar over L/4 3/8" dia 7"c/c	2	x	1	x	8	x	7.58	x	0.188 = 21.38 Kgs
Extra bar over L/4 3/8" dia 7"c/c	2	x	1	x	5	x	13.08	x	0.188 = 25.23 Kgs
									= 400.12
									= 1000
Convert into Tonne									
									Total = 0.400 Tonne
29 'Providing and laying 1:2:4 C.C in Slab									
Si No (5-17/a									
Under G. Tank									
	1	x	1	x	12.0	x	10.0	x	0.5 = 60.00 Cft
Septic Tank:									
	1	x	1	x	12.0	x	6.5	x	0.5 = 39.00 Cft
									= 99.00 Cft

P.Cft Rs

/-T Rs

P.Cft Rs

P.Cft Rs

P.Cft Rs

P.Sft Rs

/-T Rs

P.Cft Rs

Rs

Rs

Rs

Total Rs

Say Rs:-

|

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ELECTRIFICATION WORKS.

S.No.	Description of Works	Quantity	Unit	Rate	AMOUNT
1	Light circuit concealed/open wiring with length upto 65 ft. (20m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings.				
	(S.I.No.30-2 B.H.U	1x 3		= 3.00points = 3.00points	Each Rs -
2	Concealed/open wiring from point to point with length upto 10 ft. (3m) with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables.				
	(S.I.No.30-4/a B.H.U				
	Rooms	1 x 8	x 4	x 2	
	Baths	1 x 2	x	x	
	Corridore	1 x 1	x	x	
	Porch	1 x 3	x 1	x 1	
	Outside	1 x 4	x	x 1	
		18 + 5 + 2		= 25 Points Total= 25 Points	Each Rs -
3	Supply and install 1-gang, 5 Amp, 250 Volt,. plate type moulded switch including appropriate size plastic box to be fixed recessed in wall.				
	(S.I.No.30-11 B.H.U			P.P 6 = 6 Points Total= 6 Points	Each Rs -
4	Supply and install 5 Amp, 250 Volt moulded, one-way, single pole, flush mounting piano type light control switch alongwith fan dimmers on appropriate size plastic box to be fixed recessed in wall alongwith switch box and plate suitable for upto 3 switches on a common board.				
	(S.I.No.30-17 B.H.U	1x 4		= 4Nos. = 4Nos.	Each Rs -
5	Description same as in item 30-19 but 3 pin 15 Amps. switch socket unit.				
	(S.I.No.30-20 B.H.U	1x 4		= 4Nos. = 4Nos.	Each Rs -
6	Supply and install 25 sq.mm PVC insulated single core 600/1000V.cable with copper conductor in already concealed PVC conduit.				
	(S.I.No.30-37 B.H.U	1x 30		= 30Nos. = 30Nos.	Each Rs -

7 Supply and installation of 1.42 m (56") sweep ceiling fan with fan hook and fan regulator complete with all (S.I.No.30-87) <u>B.H.U</u>	1x 6	= <u>6Nos.</u> = 6Nos.	Each Rs -
8 Supply and install 30 Amp, triple pole, 415 volts metal clad load breaker switch on surface of walls. (S.I.No.30-57) <u>B.H.U</u>	1x 1	= <u>1Nos.</u> = 1Nos.	Each Rs -
9 Supply and installation of distribution board, 18 SWG sheet steel enclosure, suitable for recess/semirecess mounting and comprising. (S.I.No.30-123/a) <u>B.H.U</u>	1x 1	= <u>1Nos.</u> = 1Nos.	Each Rs -
10 Supply and installation of Electric motors with pump including all accessories. (S.I.No.30-118/a) <u>B.H.U</u>	1x 1	= <u>1Nos.</u> = 1Nos.	Each Rs -
11 Light Fixture Philips Type LED 13W,complete in all respect with allied accessories or approved equivalent. The fitting shall be approved by the Engineer. (S.I.No.30-124) <u>B.H.U</u>	1x 18	= <u>18Rft</u> = 18Rft	P.rft Rs -
<u>Total/ Rs -</u>			

Say Rs:-

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DETAILED REVISED ESTIMATE FOR THE CONSTRUCTION OF BASIC HEALTH UNIT
KANDASOL

ABSTRACT OF COST

S.No	Description of Works	Amount
1-	Civil Works	Rs:-
2-	Plumbing Works	Rs:-
3-	Electrification Works.	Rs:-
Total		Rs:- 2.447 Million

2.447

REPAIR AND RENOVATION OF BHU Sajji DISTRICT Gwader
GENERAL ABSTRACT

<i>S NO.</i>	<i>DESCRIPTION OF WORK</i>	<i>AMOUNT</i>
1	CONSTRUCTION OF UNDER GROUND WATER TANK	Rs. 674993/-

Total Rs. 674993/-

Say Rs. 0.675 Million

CONSTRUCTION OF UNDER GROUND WATER TANK

COST ESTIMATE

S. No	DESCRIPTION	No	MEASUREMENT			QTY	UNIT	RATE	AMOUNT
			L	B	H/D				
	CIVIL WORKS								
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures , depth up to 4 meters including degbelling dressing refilling around structres with execavted earth watering and ramming lead up to 30 m								
	3-21/Aiii								
		1	1	9.00	9.00	5.00	405.00	CFT	
						Total=	405.00	CFT	
2	Providing and laying cement concrate 1:4:8 (1 cement 4 sand 8 crush) using crushed size 19mm (3/4") and down gauge in foundation including levelling compacting and curing								
	5 - 8 / e								
		1	1	9.00	9.00	0.25	20.25	CFT	
						Total=	20.25	CFT	
3	Providing and febricating and laying Tor steel grade 40 having yeild strength equal to 60000 psi reinforcment for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of buinding wire etc.								
	5-44/A								
	BOTOM SLAM	1	1	60.75	5.000	303.75	KG		
	WALL	1	1	175.88	5.000	879.40	KG		
	TOP	1	1	38.28	5.000	191.40	KG		
						Total=	1374.55	KG	
	WEIGHT IN TON					1.375	KG		
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On slab								
	5-22/A								
		1	1	9.00	9.00	0.75	60.75	CFT	
						Total=	60.75	CFT	
5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. On Walls								
	S.I NO 5-22/B								
		1	1	33.50	0.75	7.00	175.88	CFT	
						Total	175.88	CFT	

6	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. Top Slab 6"									
	5-22/c									
		1	1	8.75	8.75	0.50	38.28	CFT		
						0.00	38.28	CFT		
7	Providing and laying 1:2:4 cement concrete floor using using crushed aggrgate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.									
	14-2/aiii									
		1	1	1.00	8.75	8.00	70.00	Sft		
							70.00	Sft		
8	Providing and laying terrazzo dado/ skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	14-50/a+14-53/a									
		1	1	1.00	33.50	8.00	268.00	Sft		
					Total		268.00	Sft		
9	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels.									
	25-12/b									
		1	1	1.00	1.00	5.00	5.00	each		
						Total	5.00	each		
10	Providing and fixing P.V.C. ribbed waterstop in vertical or horizontal expansion joints including cutting or jointing.									
	5-38/c									
		1	1	1.00		33.50	33.50	Rft		
					Total		33.50	Rft		
11	Providing and fixing hot dipped Galvanised single leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.									
	28-7/1									
		1	1	2.00		2.00	4.00	Sft		
						Total	4.00	Sft		
TOTAL									0	

DETAILED REVISED ESTIMATE FOR THE CONSTRUCTION OF BASIC HEALTH UNIT SHATANGI

S.No.	Description of Works	Quantity	Unit	Rate	Amount
1	Providing, fabricating and laying deformed grade 60 reinforcement for all kinds of R.C.C. work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting, bending, binding, wastage and providing such overlaps as are not shown on the drawings. The cost of binding wire and precast 1:2:4 cement concrete space blocks or M.S chairs for binding and holding the reinforcement in position is inclusive upto 5m (14.6 ft.) height. S.I No 5-40/a+h				
	HORIZONTAL BEAMS: (I/C OVER-LAPS 54"x Dia)				
	LONG WALLS				
	W.Cs+Store Back wall	1 x 1 x 7 x 26.00	x 0.367	=	66.79 Kgs
	3/8" Dia Ring 6"o/c	1 x 1 x 49 x 4.33	x 0.188	=	39.89 Kgs
	Drs+Coridore	1 x 2 x 7 x 42.50	x 0.367	=	218.37 Kgs
	3/8" Dia Ring 6"o/c	1 x 2 x 82 x 4.33	x 0.188	=	133.50 Kgs
	Drs Mid wall	1 x 2 x 7 x 17.00	x 0.367	=	87.35 Kgs
	3/8" Dia Ring 6"o/c	1 x 2 x 31 x 4.33	x 0.188	=	50.47 Kgs
	Porch	1 x 1 x 7 x 14.00	x 0.367	=	35.97 Kgs
	3/8" Dia Ring 6"o/c	1 x 1 x 25 x 4.33	x 0.188	=	20.35 Kgs
	SHORT WALLS				
	W.Cs+Store Side wall	1 x 4 x 7 x 8.00	x 0.367	=	82.21 Kgs
	3/8" Dia Ring 6"o/c	1 x 4 x 13 x 4.33	x 0.188	=	42.33 Kgs
	Drs+Visitors+Dispensary	1 x 4 x 7 x 28.00	x 0.367	=	287.73 Kgs
	3/8" Dia Ring 6"o/c	1 x 4 x 53 x 4.33	x 0.188	=	172.58 Kgs
	Porch	1 x 2 x 7 x 14.00	x 0.367	=	71.93 Kgs
	3/8" Dia Ring 6"o/c	1 x 2 x 25 x 4.33	x 0.188	=	40.70 Kgs
	Doors Windows Latic:				
	D	1 x 1 x 3 x 5.00	x 0.367	=	5.50 Kgs
	3/8" Dia Ring 6"o/c	1 x 1 x 7 x 3.16	x 0.188	=	4.16 Kgs
	D-1	1 x 2 x 3 x 4.00	x 0.367	=	8.81 Kgs
	3/8" Dia Ring 6"o/c	1 x 2 x 5 x 3.16	x 0.188	=	5.94 Kgs
	D-2	1 x 3 x 3 x 3.50	x 0.367	=	11.56 Kgs
	3/8" Dia Ring 6"o/c	1 x 3 x 4 x 3.16	x 0.188	=	7.13 Kgs
	D-3	1 x 2 x 3 x 2.50	x 0.367	=	5.50 Kgs
	3/8" Dia Ring 6"o/c	1 x 2 x 2 x 3.16	x 0.188	=	2.38 Kgs
	W-1	1 x 8 x 3 x 3.00	x 0.000	=	0.00 Kgs
	3/8" Dia Ring 6"o/c	1 x 8 x 3 x 3.16	x 0.188	=	14.26 Kgs
	W-2	1 x 2 x 3 x 4.00	x 0.188	=	4.51 Kgs
	3/8" Dia Ring 6"o/c	1 x 2 x 5 x 3.16	x 0.188	=	5.94 Kgs
	V-1	1 x 3 x 3 x 2.50	x 0.188	=	4.23 Kgs
	3/8" Dia Ring 6"o/c	1 x 3 x 2 x 3.16	x 0.188	=	3.56 Kgs
	SLAB Steel:				
	W.Cs	6.00 x 6.00			
	1/2"dia M/B 5"o/c	1 x 2 x 14 x 7.08	x 0.367	=	73.59 Kgs
	3/8"dia D/B 6"o/c	1 x 2 x 14 x 7.08	x 0.188	=	37.70 Kgs
	Extra on L/4(L-dist) 3/8"dia 5"o/c	2 x 2 x 14 x 2.27	x 0.188	=	24.17 Kgs
	Extra on L/4(S-dist) 3/8"dia 6"o/c	2 x 2 x 14 x 2.27	x 0.188	=	24.17 Kgs
	Extra bar over L/4 3/8" dia 6"o/c	2 x 2 x 6 x 7.08	x 0.188	=	29.50 Kgs
	Extra bar over L/4 3/8" dia 6"o/c	2 x 2 x 6 x 7.08	x 0.188	=	29.50 Kgs
	Store	10.00 x 6.00			
	1/2"dia M/B 6"o/c	1 x 1 x 22 x 7.08	x 0.367	=	57.58 Kgs
	3/8"dia D/B 8"o/c	1 x 1 x 11 x 11.08	x 0.188	=	22.35 Kgs
	Extra on L/4(L-dist) 3/8"dia 5"o/c	2 x 1 x 22 x 2.27	x 0.188	=	18.91 Kgs
	Extra on L/4(S-dist) 3/8"dia 6"o/c	2 x 1 x 14 x 3.27	x 0.188	=	17.41 Kgs
	Extra bar over L/4 3/8" dia 6"o/c	2 x 1 x 8 x 7.08	x 0.188	=	20.07 Kgs
	Extra bar over L/4 3/8" dia 6"o/c	2 x 1 x 6 x 11.08	x 0.188	=	23.08 Kgs
	Doctors Room	14.00 x 12.00			
	1/2"dia M/B 7"o/c	1 x 2 x 26 x 13.08	x 0.367	=	249.62 Kgs
	3/8"dia D/B 10"o/c	1 x 2 x 16 x 15.08	x 0.188	=	89.35 Kgs
	Extra on L/4(L-dist) 3/8"dia 7"o/c	2 x 2 x 26 x 3.77	x 0.188	=	73.71 Kgs
	Extra on L/4(S-dist) 3/8"dia 10"o/c	2 x 2 x 16 x 4.27	x 0.188	=	50.60 Kgs
	Extra bar over L/4 3/8" dia 7"o/c	2 x 2 x 8 x 13.08	x 0.188	=	82.25 Kgs
	Extra bar over L/4 3/8" dia 7"o/c	2 x 2 x 8 x 15.08	x 0.188	=	85.05 Kgs
	Corridore	24.67 x 10.00			
	1/2"dia M/B 7"o/c	1 x 1 x 44 x 11.08	x 0.367	=	180.53 Kgs
	3/8"dia D/B 10"o/c	1 x 1 x 13 x 25.75	x 0.188	=	64.62 Kgs
	Extra on L/4(L-dist) 3/8"dia 7"o/c	2 x 1 x 44 x 3.27	x 0.188	=	54.59 Kgs
	Extra on L/4(S-dist) 3/8"dia 10"o/c	2 x 1 x 13 x 6.94	x 0.188	=	34.82 Kgs
	Extra bar over L/4 3/8" dia 7"o/c	2 x 1 x 13 x 11.08	x 0.188	=	54.00 Kgs
	Extra bar over L/4 3/8" dia 7"o/c	2 x 1 x 7 x 25.75	x 0.188	=	64.27 Kgs
	Porch	12.00 x 10.00			
	1/2"dia M/B 7"o/c	1 x 1 x 23 x 11.08	x 0.367	=	91.70 Kgs
	3/8"dia D/B 10"o/c	1 x 1 x 13 x 13.08	x 0.188	=	32.83 Kgs
	Extra on L/4(L-dist) 3/8"dia 7"o/c	2 x 1 x 23 x 3.27	x 0.188	=	27.73 Kgs
	Extra on L/4(S-dist) 3/8"dia 10"o/c	2 x 1 x 13 x 3.77	x 0.188	=	18.92 Kgs
	Extra bar over L/4 3/8" dia 7"o/c	2 x 1 x 8 x 11.08	x 0.188	=	31.25 Kgs
	Extra bar over L/4 3/8" dia 7"o/c	2 x 1 x 7 x 13.08	x 0.188	=	32.65 Kgs
	Box	6.00 x 2.00			
	1/2"dia M/B 6"o/c	2 x 2 x 14 x 3.08	x 0.367	=	64.02 Kgs
	1/2"dia M/B 6"o/c	2 x 2 x 5 x 7.08	x 0.367	=	48.50 Kgs
				=	3242.68 Kgs
				=	1000
	Convert into Tonne				3.243 Tonne

P.T

2	Providing and laying 1:2:4 cement concrete using crushed stone/ bajri 19mm (3/4") and down gauge in beams, lintels and cantilevers of required shape or section including formwork and its removal, compacting and curing in basement and ground floor.									
	SI No (5-49-c)									
	LONG WALLS									
	W.Cs+Store Back wall	1 x	1	x	24.67	x	0.67	x	1.50	= 24.79 Cft
	Drs+Coridore	1 x	2	x	40.67	x	0.67	x	1.50	= 81.75 Cft
	Drs Mid wall	1 x	2	x	14.00	x	0.67	x	1.50	= 28.14 Cft
	Porch	1 x	1	x	11.33	x	0.67	x	1.50	= 11.39 Cft
	SHORT WALLS									
	W.Cs+Store Side wall	1 x	4	x	6.00	x	0.67	x	1.50	= 24.12 Cft
	Drs+Visitors+Dispensary	1 x	4	x	24.67	x	0.67	x	1.50	= 99.17 Cft
	Porch	1 x	2	x	12.00	x	0.67	x	1.50	= 24.12 Cft
	Box	2 x	2	x	6.16	x	2.00	x	0.50	= 24.64 Cft
	Doors Windows Latic:									
	D =	1 x	1	x	5.0	x	0.67	x	1.0	= 3.35 Cft
	D-1 =	1 x	2	x	4.0	x	0.67	x	1.0	= 5.36 Cft
	D-2 =	1 x	3	x	3.5	x	0.67	x	1.0	= 7.04 Cft
	D-3 =	1 x	2	x	2.5	x	0.67	x	1.0	= 3.35 Cft
	W-1 =	1 x	8	x	3.0	x	0.67	x	1.0	= 16.08 Cft
	W-2 =	1 x	2	x	4.0	x	0.67	x	1.0	= 5.36 Cft
	V-1 =	1 x	3	x	1.5	x	0.67	x	1.0	= 3.02 Cft
									Total	= 361.67 Sft
										P.Cft
3	Providing and laying 1:2:4 cement concrete using shingle or bajri 19mm (3/4") and down gauge in slabs including formwork and its removal, compacting and curing in basement and ground floor.									
	SI No (5-17/a-i)									
	SLAB :									
	S-1	1 x	1	x	43.67	x	26.00	x	0.50	= 567.71 Cft
	S-1	1 x	1	x	24.67	x	6.67	x	0.50	= 82.27 Cft
	S-1	1 x	1	x	12.67	x	11.33	x	0.50	= 71.78 Cft
									Total	= 721.76 Sft
										P.Cft
4	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in balustrade of stairs or balcony, sun breakers, sun shades, parapets and eave boards upto 3" (75 mm) of required shape or section including formwork & its removal, compacting and curing in basement and ground floor.									
	SI No (5-20-a)									
	SLAB :									
	Room									
	Front	1 x	2	x	16.17	x	1.50	x	0.50	= 24.26 Cft
	Back	1 x	2	x	9.50	x	1.50	x	0.50	= 14.25 Cft
	Porch									
	Sides	1 x	2	x	13.50	x	1.50	x	0.50	= 20.25 Cft
	Front	1 x	1	x	11.33	x	1.50	x	0.50	= 8.50 Cft
	Bath+store									
	Sides	1 x	2	x	8.17	x	1.50	x	0.50	= 12.26 Cft
	Back	1 x	1	x	24.67	x	1.50	x	0.50	= 18.50 Cft
									Total	= 98.01 Sft
										P.Cft
5	Cement plaster on soffits of ceiling, cantilever slabs, sides and soffits of beams, in basement or ground floor including making edges, corners and curing.									
	SI No 15-1/a-iii									
	Roof/Slab Plaster :-									
	Dortor Room	1 x	2	x	14.00	x	12.00			= 336.00 Sft
	Corridore	1 x	1	x	24.67	x	10.00			= 246.70 Sft
	W.C	1 x	2	x	6.00	x	6.00			= 72.00 Sft
	Store	1 x	1	x	10.00	x	6.00			= 60.00 Sft
	Porch	1 x	1	x	10.00	x	12.00			= 120.00 Sft
	Beams Inside	1 x	2	x	12.00	x	4.70			= 112.80 Sft
	Beams Inside	1 x	1	x	10.00	x	4.70			= 47.00 Sft
	PROJECTIONS:									
	Font Entrance side	1 x	1	x	45.0	x	2.0			= 90.00 Sft
	Wars side	1 x	1	x	28.0	x	2.0			= 56.00 Sft
	Baths (Back side)	1 x	1	x	14.33	x	2.0			= 28.66 Sft
	Doctor Room (side)	1 x	1	x	15.00	x	2.0			= 30.00 Sft
	Doctor Room+ Bath +Staff Room (Back)	1 x	1	x	36.0	x	2.0			= 72.00 Sft
	1st Aid+ Kitchen+ Staff Room (side)	1 x	1	x	33.66	x	2.0			= 67.32 Sft
									Total	= 1338.48 Sft
										P.Sft
6	1:2:4 (1/2) inch cement plaster on walls and columns in basement, plinth and ground floor including making edges, corners and curing.									
	SI No 15-13-ii									
	Walls Plaster :-									
	Dortor Room	1 x	2	(	12.00	+	14.00	)	10.50	= 546.00Sft
	Corridore	1 x	2	(	24.67	+	10.00	)	10.50	= 728.07Sft
	W.C	1 x	2	(	6.00	+	6.00	)	10.50	= 252.00Sft
	Store	1 x	2	(	10.00	+	6.00	)	10.50	= 336.00Sft
	External Walls Plaster :-									
	Long wall	1 x	1	x	174.0	x	14.0			= 2436.00 Sft
	Col: Ver:	1 x	2	x	4.3	x	9.0			= 78.12 Sft
									A =	= 4376.19 Sft
	Deductions:									
	D =	1 x	1	x	5.0	x	8.0			= 40.00 Sft
	D-1 =	1 x	2	x	4.0	x	8.0			= 64.00 Sft
	D-2 =	1 x	3	x	3.5	x	8.0			= 84.00 Sft

D-3 =
W-1 =
W-2 =
V-1 =

1 x 2 x 2.5 x 8.0
1 x 8 x 3.0 x 5.0
1 x 2 x 4.0 x 5.0
1 x 3 x 2.5 x 1.5

= 40.00 Sft
= 120.00 Sft
= 40.00 Sft
= 11.25 Sft

B = 399.25 Sft

A-B = 3976.94 Sft

P.Sft

7	Providing and fixing superior quality wood built in frame of required size with 13 mm (½") thick beading as stopper of the same wood for doors, windows, C. windows, ventilators, shelves and partitions.									
	Si No 16-3/a									
	DOORS :-									
	D V =	1	x	1	x	2	x	8.00	x	0.83 x 0.208 = 2.76 Cft
	D H =	1	x	1	x	1	x	5.00	x	0.83 x 0.208 = 0.86 Cft
	D-1 V =	1	x	2	x	2	x	8.00	x	0.83 x 0.208 = 5.52 Cft
	D-1 H =	1	x	2	x	1	x	4.00	x	0.83 x 0.208 = 1.38 Cft
	D-2 V =	1	x	3	x	2	x	8.00	x	0.83 x 0.208 = 8.29 Cft
	D-2 H =	1	x	3	x	1	x	3.50	x	0.83 x 0.208 = 1.81 Cft
	D-3 V =	1	x	2	x	2	x	8.00	x	0.83 x 0.208 = 5.52 Cft
	D-3 H = 2	1	x	2	x	1	x	2.50	x	0.83 x 0.208 = 0.86 Cft
										= 27.02 Cft
										P.Cft
8	Providing and laying of 6.4 mm (¼") thick glazed tiles of any colour and size in ground floor laid over 25 mm (1") thick cement sand mortar base 1:2 (1 cement: 2 sand) including jointing and washing the tiles with cement slurry of matching colour by using pigment of matching colour and curing									
	Si No 14-25-a									
	Glazed Tiles:-									
	Walls:-									
	Dortor Room	1	x	2	x	14.00	x	12.00		= 336.00 Sft
	Corridore	1	x	1	x	24.67	x	10.00		= 246.70 Sft
	W.C	1	x	2	x	6.00	x	6.00		= 72.00 Sft
	Store	1	x	1	x	10.00	x	6.00		= 60.00 Sft
	Porch	1	x	1	x	11.34	x	12.67		= 143.68 Sft
										= 858.38 SFT
										P.Sft
9	Providing and laying of 6.4 mm (¼") thick glazed tiles of any colour and size in ground floor laid over 25 mm (1") thick cement sand mortar base 1:2 (1 cement: 2 sand) including jointing and washing the tiles with cement slurry of matching colour by using pigment of matching colour and curing									
	Si No 14-64-a									
	Glazed Tiles:-									
	Walls:-									
	Dortor Room	1	x	2	(	12.00	+	14.00	)	0.50 = 26.00 Sft
	Corridore	1	x	2	(	24.67	+	10.00	)	0.50 = 34.67 Sft
	W.C	1	x	2	(	6.00	+	6.00	)	0.50 = 12.00 Sft
	Store	1	x	2	(	10.00	+	6.00	)	0.50 = 16.00 Sft
										= 88.67 SFT
										P.Sft
10	P/Fixing any kind of Aluminum windows sliding with wire gauze 30 gauge with frame 1/1/2" in colour.									
	Si No 28-84-1									
	Windows									
	W =	1	x	2	x	4.00	x	5.0		= 40.00 Sft
	W -1 =	1	x	8	x	3.00	x	5.0		= 120.00 Sft
	W -2 =	1	x	2	x	1.50	x	2.0		= 6.00 Sft
	V-1 =	1	x	1	x	3.00	x	2.0		= 6.00 Sft
										= 172.00 Sft
										P.Sft
11	Painting in ground floor or basement with Robbialac (VIP) or equivalent plastic emulsion paint in two or more coats as per manufacturer's instruction on plastered, rendered and concrete surface over and including the cost of priming coat, surface preparation, dusting, rubbing down smooth filling any cracks, holes, removing blisters and other imperfections.									
	(S.I.No.17-8/1)									
	Roof/Slab :-									
	Dortor Room	1	x	2	x	14.00	x	12.00		= 336.00 Sft
	Corridore	1	x	1	x	24.67	x	10.00		= 246.70 Sft
	W.C	1	x	2	x	6.00	x	6.00		= 72.00 Sft
	Store	1	x	1	x	10.00	x	6.00		= 60.00 Sft
	Porch	1	x	1	x	10.00	x	12.00		= 120.00 Sft
	Beams Inside	1	x	2	x	12.00	x	4.70		= 112.80 Sft
	Beams Inside	1	x	1	x	10.00	x	4.70		= 47.00 Sft
	Walls Plaster :-									
	Dortor Room	1	x	2	(	12.00	+	14.00	)	10.50 = 546.00 Sft
	Corridore	1	x	2	(	24.67	+	10.00	)	10.50 = 728.07 Sft
	W.C	1	x	2	(	6.00	+	6.00	)	10.50 = 252.00 Sft
	Store	1	x	2	(	10.00	+	6.00	)	10.50 = 336.00 Sft
										A-B = 2856.57 Sft
										P.Sft
12	Painting with Robbialac or equivalent weather coat in two or more coats over & i/c cost of priming coat.									
	(S.I.No.17-61-b)									
	External Walls Plaster :-									
	Long wall	1	x	1	x	174.0	x	14.0		= 2436.00 Sft
	Col: Ver:	1	x	2	x	4.3	x	9.0		= 78.12 Sft
	Projection:									
	Front									
	Room	1	x	2	x	16.25	x	2.00		= 65.00 Sft
	Porch	1	x	1	x	14.33	x	2.00		= 28.66 Sft
	Sides									
	Room	1	x	4	x	3.00	x	2.00		= 24.00 Sft
	Porch	1	x	2	x	10.50	x	2.00		= 42.00 Sft
	Toilet	1	x	2	x	6.50	x	2.00		= 26.00 Sft
	Back									
	Room	1	x	2	x	8.00	x	2.00		= 32.00 Sft
	Toilet	1	x	1	x	27.67	x	2.00		= 55.34 Sft

W-1

1 x 2 x 5.00 x 2.00

= 20.00 Sft

A = 2807.12 Sft

Deductions:

D =

1 x 2 x 5.0 x 8.0

= 80.00 Sft

W-1 =

1 x 4 x 3.0 x 5.0

= 60.00 Sft

W-2 =

1 x 2 x 4.0 x 5.0

= 40.00 Sft

B = 180.00 Sft

A-B = 2627.12 Sft

P.Sft

13	P/F First class Teak wood shutters fully panelled with same wood and fixed with approved brass hinges and tower bolts. Si No 16-11-a-ii	<u>Doors</u>	D =	1	x	1	x	5.00	x	8.0	=	40.00	Sft	P.Sft		
			D-1 =	1	x	2	x	4.00	x	8.0	=	64.00	Sft			
			D-2 =	1	x	3	x	3.50	x	8.0	=	84.00	Sft			
			D-3 =	1	x	2	x	2.50	x	8.0	=	40.00	Sft			
											=	228.00	Sft			
14	Painting in ground floor or basement with Robbialac or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's insruction on wood work over and including the cost of priming coat, surface preparation, rubbing down smooth, knotted, filling cracks, holes and joints (S.I.No.17-6)	<u>Painting i/c Frame:-</u> <u>Doors</u>	D =	2	x	1	x	6.50	x	8.75	=	113.75	Sft	P.Sft		
			D-1 =	2	x	2	x	5.50	x	8.75	=	192.50	Sft			
			D-2 =	2	x	3	x	5.00	x	8.75	=	262.50	Sft			
			D-3 =	2	x	2	x	4.00	x	8.75	=	140.00	Sft			
			Total								=	708.75	Sft			
15	P/F hydraulic Door Lock with handle. (S.I.No.16-66/c)	<u>Doors</u>	D =	1	x	1	x	8			=	8.00	Nos.	P.No.		
											=	8.00	Nos.			
16	Providing and fixing approved 9" chromic plate brass tower bolts of sizes with screws of same metal. (S.I.No.16-80/B-a-iii)			1x		8					=	8	Nos.	P.No.		
											=	8	Nos.			
17	Providing and fixing iron grills required section of squar bar as per approved design including welding all sides of the section at the junction and fixing with sunk iron screws, painting with two coats of red oxide paint in masonry or concrete work. (S.I.No.28-28-1)	<u>Windows</u>	W =	1	x	2	x	4.00	x	5.0	=	40.00	Sft	P.Kg		
			W -1 =	1	x	8	x	3.00	x	5.0	=	120.00	Sft			
			V -1 =	1	x	2	x	1.50	x	2.0	=	6.00	Sft			
			V-1 =	1	x	1	x	3.00	x	2.0	=	6.00	Sft			
			Total Qty's:					172.0x	1.00		=	172.00	Sft			
18	Providing and fixing wooden box type ward-robe Lamination 550 mm (22") deep including 19 mm (3/4") thick boxing and shelves hanger rods, hard board masonite 4.8 mm (3/16") thick back, drawers, brass fitting, locking arrangement, handles, internal bolts, shoe rods including painting. (S.I.No.16-82/c)	Almarah		1	x	3	x	6.00	x	-	x	8.0	=	144.00	Sft	P.Sft
											=	144.00	Sft			
19	Painting in ground floor or basement with Robbialac or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instruction on steel and iron work over and including the cost of priming coat, surface preparation removing rust, scales and dust with wire brush. (S.I.No.17-7)	<u>Windows</u>	W =	1	x	2	x	4.00	x	5.0	=	40.00	Sft	P.Sft		
			W -1 =	1	x	8	x	3.00	x	5.0	=	120.00	Sft			
			V -1 =	1	x	2	x	1.50	x	2.0	=	6.00	Sft			
			V-1 =	1	x	1	x	3.00	x	2.0	=	6.00	Sft			
											=	172.00	Sft			
20	Excavation in foundation of buildings, bridges, and other structures, depth upto 4 meters including dagbelling, dressing, refilling around structures with excavated earth, watering and ramming lead upto 30m lift upto 1.5 m. Si No (3-21/a-iv)	<u>Plinth Protection:</u> S/Sides L/Sides		1	x	2	x	48.67	x	1.0	x	1.00	=	97.34	Cft	P.Cft
				1	x	2	x	52.83	x	1.0	x	1.00	=	105.66	Cft	
											=	203.00	Cft			
21	P/L 1:4:8 cement concrete using shingle or bajri 19 mm (3/4") and down gauge in foundation including leveling compacting and curing. Si No (5-5/c)	<u>Plinth Protection:</u> S/Sides L/Sides		1	x	2	x	48.67	x	1.0	x	0.33	=	32.12	Cft	9% Cft
				1	x	2	x	52.83	x	1.0	x	0.33	=	34.87	Cft	
22	Providing and laying 1:3:6 C.C Block masonry in super structure Si No (9-7/c-iii)	<u>Plinth Protection:</u> S/Sides L/Sides		1	x	2	x	48.67	x	0.5	x	1.50	=	73.01	Cft	P.Cft
				1	x	2	x	52.83	x	0.5	x	1.50	=	79.25	Cft	

23

Providing and laying 1:2:4 cement concrete floor using using crushed aggrgate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.

Si No (14-2/b

Plinth Protection:

S/Sides

1 x 2 x 48.67 x 2.0 x 0.25 = 48.67 Cft

L/Sides

1 x 2 x 52.83 x 2.0 x 0.25 = 52.83 Cft

Total= **101.50** Cft

P.Sft

24

Providing and laying 1:2:4 cement concrete floor using using crushed aggrgate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.

Si No (14-2/A-i

Plinth Protection:

S/Sides

1 x 2 x 48.67 x 2.0 = 194.68Sft

L/Sides

1 x 2 x 52.83 x 2.0 = 211.32Sft

= **406.00** Sft

P.Sft

25 Providing and laying 1:2:4 P.C.C. roof screeding
using graded bajri/shingle 19 mm and down gauge
including formwork, consolidation, finishing and
curing.

SI No (14-68/b

S-1	1	x	1	x	43.67	x	26.00	=	1135.42	Sft
S-1	1	x	1	x	24.67	x	6.67	=	164.55	Sft
S-1	1	x	1	x	12.67	x	11.33	=	143.55	Sft
Total									=	1443.52 Sft

P.Sft

26 Providing and laying 1:3:6 cement concrete Block masonry in super

structure

SI No (9-7/b-ii+9-12-1

W.C+ Store + Rooms Back wall	1	x	1	x	40.67	x	0.67	x	2.5	=	68.12	Cft
W.C Sides wall	1	x	2	x	6.00	x	0.67	x	2.5	=	20.10	Cft
Rooms Side walls	1	x	2	x	24.67	x	0.67	x	2.5	=	82.64	Cft
Rooms Front wall	1	x	2	x	16.00	x	0.67	x	2.5	=	53.60	Cft
Porch Front wall	1	x	2	x	11.34	x	0.67	x	2.5	=	37.99	Cft
Porch Side walls	1	x	2	x	12.00	x	0.67	x	2.5	=	40.20	Cft
Total											=	302.66 Cft

P.Cft
P.Cft
P.Cft

27 3/4" thick Cement plaster on walls and columns
in ground floor i/c making edges, corners and
curing.

SI No 15-13/iii

W.C+ Store + Rooms Back wall	1	x	1	x	40.67	x	-	x	5.67	=	230.60	Sft
W.C Sides wall	1	x	2	x	6.00	x	-	x	5.67	=	68.04	Sft
Rooms Side walls	1	x	2	x	24.67	x	-	x	5.67	=	279.76	Sft
Rooms Front wall	1	x	2	x	16.00	x	-	x	5.67	=	181.44	Sft
Porch Front wall	1	x	2	x	11.34	x	-	x	5.67	=	128.60	Sft
Porch Side walls	1	x	2	x	12.00	x	-	x	5.67	=	136.08	Sft
Total											=	1024.51 Sft

P.Sft

28

Applying weather resistant paint coating such as
ICI/ Berger or equivalent paint of approved shade
on old surface of walls and ceiling including
dusting, sand papering and cleaning, scaffolding
and removal of debris

(S.I.No.17-61/b

Only External walls:

W.C+ Store + Rooms Back wall	1	x	1	x	40.67	x	-	x	5.67	=	230.60	Sft
W.C Sides wall	1	x	2	x	6.00	x	-	x	5.67	=	68.04	Sft
Rooms Side walls	1	x	2	x	24.67	x	-	x	5.67	=	279.76	Sft
Rooms Front wall	1	x	2	x	16.00	x	-	x	5.67	=	181.44	Sft
Porch Front wall	1	x	2	x	11.34	x	-	x	5.67	=	128.60	Sft
Porch Side walls	1	x	2	x	12.00	x	-	x	5.67	=	136.08	Sft
Total											=	793.91 Sft

P.Sft

(+) 65% above Except Steel & related Items

(+) 99% above on Steel & related Items

B = Total

Say Rs:-

PLUMBING WORKS.

S.No.	Description of Works	Quantity	Unit	Rate
1-	P/F water closet European type. (S.I.No.23-1/b-ii) B.H.U	1x 1	= 1.00Nos.	Each Rs -
2-	P/F water closet Indian type with all acceseries. (S.I.No.23-2/a-ii) B.H.U	1x 1	= 1.00Nos.	Each Rs -
3	P/F Wash Basin 24" with all acceseries. (S.I.No.23-45/b-ii) B.H.U	1x 2	= 2.00Nos.	Each Rs -
4	Providing and fixing 1/2" (12 mm) single hole superior quality C.P. mixer of approved make for wash hand basin, sink or shower. (S.I.No.23-37-1) B.H.U	1x 1	= 1.00Nos.	Each Rs -
5	P/F C.I floor Trap (6"x 2")with all acceseries. (S.I.No.23-9/a) B.H.U	1x 5	= 5.00Nos.	Each Rs -
6	P/F approved quality Bathroom set i/c Toile rail, Soapdish, Toilet Paper and all acceseries. S.I 23-69-1 B.H.U	1x 2	= 2.00Nos.	Each Rs -
7	P/F choromium plated C.P stop-Cock (.75") with all acceseries.			

(S.I.No.23-41/b)									
B.H.U		1x	4		=	4.00Nos.			
					=	4.00Nos.	Each	Rs	-
8 P/F Belgium Looking Glass (24"x18") with all accseries.									
(S.I.No.23-15-1)									
B.H.U		2x	2.0	x	1.5	=	6.00Nos.		
						=	6.00Nos.	Each	Rs
9 P/F gun-metal peet / gate valve with all accseries.									
B.H.U									
a- 0.75" dia									
(S.I.No.23-39/a-ii)		1x	2		=	2.00Nos.			
c- 1" dia					=	2.00Nos.	Each	Rs	-
(S.I.No.23-39/a-iii)		1x	2		=	2.00Nos.			

27 3/4" thick Cement plaster on walls and columns in

ground floor i/c making edges, corners and curing.

SI No 15-13/iii

Under G. Tank (Bottom Slab)

Under G. Tank (walls)

Septic Tank H-Wall

1	x	1	x	12.0	x	10.0	x	-	=	120.00	Sft
1	x	4	x	12.0	x	8.0	x	-	=	384.00	Sft
3	x	4	x	5.0	x	7.00	x	-	=	420.00	Cft
Total										=	924.00 Sft

P.Sft Rs

28 Providing fabrication and laying deformed steel for all kind of RCC works in Slab

S.I No 5-40/a+h

Under G. Tank Size =

12.00 x 10.00

1/2"dia M/B 7" c/c

3/8"dia D/B 10" c/c

Extra on L/4(L-dist) 3/8"dia 7" c/c

Extra on L/4(S-dist) 3/8"dia 10" c/c

Extra bar over L/4 3/8" dia 7" c/c

Extra bar over L/4 3/8" dia 7" c/c

1	x	1	x	23	x	11.08	x	0.367	=	91.70	Kgs
1	x	1	x	13	x	13.08	x	0.188	=	32.83	Kgs
2	x	1	x	23	x	3.27	x	0.188	=	27.73	Kgs
2	x	1	x	13	x	3.77	x	0.188	=	18.92	Kgs
2	x	1	x	8	x	11.08	x	0.188	=	31.25	Kgs
2	x	1	x	7	x	13.08	x	0.188	=	32.65	Kgs

Septic Tank Size =

12.00 x 6.50

1/2"dia M/B 7" c/c

3/8"dia D/B 10" c/c

Extra on L/4(L-dist) 3/8"dia 7" c/c

Extra on L/4(S-dist) 3/8"dia 10" c/c

Extra bar over L/4 3/8" dia 7" c/c

Extra bar over L/4 3/8" dia 7" c/c

1	x	1	x	23	x	7.58	x	0.367	=	62.74	Kgs
1	x	1	x	9	x	13.08	x	0.188	=	22.46	Kgs
2	x	1	x	23	x	2.40	x	0.188	=	20.31	Kgs
2	x	1	x	9	x	3.77	x	0.188	=	12.95	Kgs
2	x	1	x	8	x	7.58	x	0.188	=	21.38	Kgs
2	x	1	x	5	x	13.08	x	0.188	=	25.23	Kgs

Convert into Tonne

Total = 0.400 Tonne

/-T Rs

29 Providing and laying 1:2:4 C.C in Slab

SI No 5-17/a

Under G. Tank

Septic Tank:

1	x	1	x	12.0	x	10.0	x	0.5	=	60.00	Cft
1	x	1	x	12.0	x	6.5	x	0.5	=	39.00	Cft
										=	99.00 Cft

P.Cft Rs

Rs

Rs

Rs

Total Rs

Say Rs:-

ELECTRIFICATION WORKS.

S.No.	Description of Works	Quantity	Unit	Rate	AMOUNT																																																							
1	Light circuit concealed/open wiring with length upto 65 ft. (20m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings. (S.I.No.30-2) B.H.U	1x 3	= =	3.00points 3.00points	Each Rs																																																							
2	Concealed/open wiring from point to point with length upto 10 ft. (3m) with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables. (S.I.No.30-4/a) B.H.U Rooms Baths Corridore Porch Outside	<table><thead><tr><th></th><th>L.P</th><th>F.P</th><th>P.P</th></tr></thead><tbody><tr><td>1 x</td><td>8</td><td>x 4</td><td>x 2</td></tr><tr><td>1 x</td><td>2</td><td>x</td><td>x</td></tr><tr><td>1 x</td><td>1</td><td>x</td><td>x</td></tr><tr><td>1 x</td><td>3</td><td>x 1</td><td>x 1</td></tr><tr><td>1 x</td><td>4</td><td>x</td><td>x 1</td></tr><tr><td></td><td>18</td><td>+</td><td>5</td></tr><tr><td></td><td></td><td>+</td><td>2</td></tr><tr><td></td><td></td><td></td><td>=</td></tr><tr><td></td><td></td><td></td><td>25</td></tr><tr><td></td><td></td><td></td><td>Points</td></tr><tr><td></td><td></td><td></td><td>Total=</td></tr><tr><td></td><td></td><td></td><td>25</td></tr><tr><td></td><td></td><td></td><td>Points</td></tr></tbody></table>		L.P	F.P	P.P	1 x	8	x 4	x 2	1 x	2	x	x	1 x	1	x	x	1 x	3	x 1	x 1	1 x	4	x	x 1		18	+	5			+	2				=				25				Points				Total=				25				Points		Each Rs
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3	Supply and install 1-gang, 5 Amp, 250 Volt., plate type moulded switch including appropriate size plastic box to be fixed recessed in wall. (S.I.No.30-11) B.H.U		<table><thead><tr><th>P.P</th></tr></thead><tbody><tr><td>6</td></tr><tr><td>=</td></tr><tr><td>6</td></tr><tr><td>Points</td></tr><tr><td>Total=</td></tr><tr><td>6</td></tr><tr><td>Points</td></tr></tbody></table>	P.P	6	=	6	Points	Total=	6	Points	Each Rs																																																
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4	Supply and install 5 Amp, 250 Volt moulded, one-way, single pole, flush mounting piano type light control switch alongwith fan dimmers on appropriate size plastic box to be fixed recessed in wall alongwith switch box and plate suitable for upto 3 switches on a common board. (S.I.No.30-17) B.H.U	1x 4	= =	4Nos. 4Nos.	Each Rs																																																							
5	Description same as in item 30-19 but 3 pin 15 Amps. switch socket unit. (S.I.No.30-20) B.H.U	1x 4	= =	4Nos. 4Nos.	Each Rs																																																							
6	Supply and install 25 sq.mm PVC insulated single core 600/1000V.cable with copper conductor in already concealed PVC conduit. (S.I.No.30-37) B.H.U	1x 30	= =	30Nos. 30Nos.	Each Rs																																																							

Detail Estimate Repair and Renovation at BHU Chakukuli

ABSTRACT OF COST

S#	Components	TOTAL AMOUT
1	BHU Civil Works	Rs.
2	Electrification	Rs.
3	Plumbing Works	Rs.
5	Sockage Pit	Rs.
	Total	Rs.
	Add BST 4%	Rs.
	G .Total	Rs. 1,139,379.62

1,139,379.62

Say 1.13937962Million

Detail Estimate Repair and Renovation at BHU Chakskuli									
6. Sub									
Description of Work		No.	E	B	F	B	F	Rate	Amount Bt.
Dispenser									
1 Disamping with Rubbiale, ICI Dulux, Everbrite or equivalent synthetic polyvinyl (SPD) Emulsion finish of approved shade in two or more coats over and including the cost of priming coat including preparation of surface via dusting, sand papering or rubbing with pumice stone filling cracks or holes, if any, removing blisters or other imperfections at any height to ground floor.									
S.I.No. 17-48-c									
	Doctor Room	1	14.00	12.00				168.00Sb	
	Visitor Room	1	14.00	12.00				168.00Sb	
	EPI Room	1	14.00	12.00				168.00Sb	
	Dispenser Room	1	7.00	6.00				42.00Sb	
	Washroom	2	6.00	6.00				72.00Sb	
	Store	1	10.00	6.00				60.00Sb	
	Corridor	1	24.67	10.00				246.70Sb	
	Porch	1	10.00	12.00				120.00Sb	
								Total	1044.70Sb
									P.Sh
Main Finish									
2 Painting in ground floor or basement with Rubbiale (VIP) or equivalent plastic emulsion paint in two or more coats as per manufacturer's instructions on plastered, rendered and concrete surface over and including the cost of priming coat, surface preparation, dusting, rubbing down smooth filling any cracks, holes, removing blisters and other imperfections.									
S.I.No17-49a									
	Doctor Room	1	14.00	10.00				140.00Sb	
		1	12.00	10.00				120.00Sb	
	Visitor Room	1	14.00	10.00				140.00Sb	
		1	12.00	10.00				120.00Sb	
	EPI Room	1	14.00	10.00				140.00Sb	
		1	12.00	10.00				120.00Sb	
	Dispense Room	1	7.00	6.00				70.00Sb	
		1	6.00	10.00				60.00Sb	
	Washroom	2	6.00	6.00				72.00Sb	
		2	6.00	10.00				120.00Sb	
	Store	1	10.00	6.00				120.00Sb	
		2	6.00	10.00				120.00Sb	
	Corridor	1	24.67	10.00				246.70Sb	
	Porch	1	10.00	10.00				100.00Sb	
	Pillar	2	6.00	10.00				120.00Sb	
								Total	2055.40Sb
									P.Sh

Weather Shield					
2 Painting in ground floor on basement with Robbshale (VDP) or equivalent weather coat paint in two or more coats as per manufacturer's instruction on plastered, rendered and concrete surface over and including the cost of priming coat, surface preparation, dusting, rubbing down smooth, filling any cracks, holes, removing blisters and other imperfections.					
SJ.No#17-4-v	item	1	190.00	14.00	2660.00Sft
					2660.00Sft
					P.Sft
Paint on wood work					
4 Painting in ground floor on basement with Robbshale or equivalent rope glass synthetic enamel paint in two or more coats as per manufacturer's instruction on wood work over and including the cost of priming coat, surface preparation, rubbing down smooth, knotted, filling cracks, holes and joints.					
SJ.No#17-4-1	D-1	10	4.00	7.00	280.00Sft
	Almaul	4	6.00	8.00	192.00Sft
					472.00Sft
					P.Sft
5 Excavation in foundation of Buildings,Bridges And other Structures,except Depth Up to 4 Meters including Digging, , dewatering,filling Around structures with excavated earth ,watering and returning back upto 10m fill upto 1.5m					
SI No (3-212b-iv)					
Plinth Protection:					
		1	2.00	40.67	1
	S/Sides	1	2.00	52.83	1
	L/Sides				1.98105.66
				total	203
					P.Ch
6 RE 1:4:8 cement concrete using shingle or balti 1.5mm (3/4") and down gauge in foundation including leveling compacting and curing.					
SI No (5-5ic)					
Plinth Protection:					
		1	2.00	40.67	1
	S/Sides	1	2.00	52.83	1
	L/Sides				0.3334.1232
				total	66.99
					P.Ch
7 Providing and laying 1:3:6 C.C Block masonry in super structure					
SI No (9-71c-3f)					
Plinth Protection:					
		1	2.00	40.67	0.5
	S/Sides	1	2.00	52.83	0.5
	L/Sides				1.9973.005
				Total	132.25
					P.Ch
8					
Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.					
SI No (14-21c)					
Plinth Protection:					
		1	2.00	40.67	2
	S/Sides	1	2.00	52.83	2
	L/Sides				0.2552.83
				Total	101.5
					P.Sft
9					
Providing and laying 1:2:4 cement concrete floor using using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.					
SI No (14-21a-i)					
Plinth Protection:					
		1	2.00	40.67	2
	S/Sides	1	2.00	52.83	2
	L/Sides				211.32
				Total	406
					P.sft

Total Amount

ELECTRIFICATION

Total

Detail Estimate Repair and Renovation at BHU Chakukuli

PLUMBING WORKS

S.No.	Description of Work	No.	L	B	D	Qty:	Unit	Rate/ Unit	Amount
1									
2									
3									
4	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes confirming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings, connnections and jointing material (S.I.No.27-47/a-iii)								
	1"(25mm) dia	1	80			80.00	Rft	P.Rft	
	(S.I.No.27-47/a-ii)								
	3/4"(20mm)dia	1	100			100.00	Rft	P.Rft	
5	Providing and Installing uPVC pipe IIL, Dadex or equivalent make registered with PSQCA in tubewell bore hole and/or laying, cutting, jointing and testing uPVC pipe lines in trenches.								
	(S.I.No. 25-20-a-i)								
	3" (75mm) inner dia.	1	40			40	Rft	P.Rft	
	(S.I.No. 25-20-a-ii)								
	4" (100 mm) inner dia.	1	60			60	Rft	P.Rft	
6	Providing and installing uPVC elbow of approved make registered with PSQCA.								
	(S.I.No. 27-17-a-i)								
	3" (75 mm) inner dia.	4				4	No.	P.No	
	(S.I.No. 27-17-a-ii)								
	4" (100 mm) inner dia.	4				4	No.	P.No	
8	Providing and fixing LDPE over head tank 300 gallon double ply, blue / white manufactured by Marjan, Master or equivalent on top of any floor.								
	(S.I.No. 27-44-b)	1				1	No.	P.No	
9	Providing and fixing superior quality gun-metal peet / gate valve (Class150) of approved make.								
	(S.I.No. 23-39-b-ii)								
	3/4" (20 mm) dia.	4				4	No.	P.No	
	(S.I.No. 23-39-b-iii)								
	1" (25 mm) dia.	2				2	No.	P.No	
10	Providing and fixing floor trap 4" dia of approved self cleaning design with screwed down grating with or without a vent arm with and including making requisite number of holes in walls, plinth and floor for pipe connection and making good with.								
	(S.I.No.23-9-b)	4				4.00Nos.		Each	
11	Providing and fitting superior quality C.P. or brass oxidised 1/2" (12mm) swan neck pillar cock (tap) of approved make.								
	(S.I.No.23-40-a)	2				2.00Nos.		Each	
Total									

Detail Estimate Repair and Renovation at BHU Chakukuli

S No	Description of Work	No.	L	B	D	Qty:	Unit	Rate	Amount Rs.
Sewerage Repair									
Manhole Type "B"									
1	Excavation in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m) (S I No. 3-21-A-i)								
	Sokage Pit	1	6.00	6.00	6.00	216.00	Cft		
						216.00	Cft		P.Cft
Stone Soling									
2	Providing and laying stone soling 6" thick with approved stone to required grade and camber including packing with spawls, chips, watering, compacting with road roller and with all lead and lift.(including royalty of Quarry). (S.I.No.21-14 B)								
	Sokage Pit	1	6.00	6.00	8.00	288.00	Cft		
					Total	288.00	Cft		P.Cft
3	Providing and laying 1:3:6 cement concrete 8" (200 mm) thick solid block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) and down gauge in ground floor super-structure including scaffolding, raking out joints and curing. (S.I.No.9-7-c-ii)								
	Sokage Pit	2.00	6.00	0.67	2.00	15.98	Cft		
		2.00	6.00	0.67	2.00	15.98	Cft		
					Total	31.97	Cft		P.Cft
4	Providing, fabricating and laying deformed Grade 40 steel reinforcement (deformed bar) for all kinds of R.C.C work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting, bending, binding, wastage and providing such over-laps as are not shown on the drawings. The cost of binding wire and cement concrete spacer blocks or chairs for binding and holding the reinforcement in position is inclusive upto 15 ft. (5m) height (S.I.No.3-44/a)								
	Slab 6"x6"	1	12	6.50	0.375	29.25	Lbs		
		1	12	6.50	0.375	29.25	Lbs		
						58.500	Lbs		
	Change to Ton					0.027	Ton		P.Ton
5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing (S.I.No.5-22-c)								
	Sokage Pit slab	1	7.00	7.00	0.50	24.50	Cft		
						24.50	Cft		P.Cft
									Total

DETAIL ESTIAMTE FOR THE RENOVATION OF BASIC HEALTH UNIT (BHU) AT SARDASHT/NOKEBAR, GWADAR

ABSTRACT OF COST

S#	Components	TOTAL AMOUT
1	BHU Civil Works	Rs.
2	Electrification	Rs.
3	Plumbing Works	Rs.
4	Sockage Pit	Rs.
	Total	Rs.
	Add BST 4%	Rs.
	G .Total	Rs. 1,026,776.68

1026776.68

Say Rs\1.027 Million

DETAIL ESTIAMTE FOR THE RENOVATION OF BASIC HEALTH UNIT (BHU) AT SARDASHT/NOKEBAR, GWADAR

CIVIL WORK

S No	Description of Work	No.	L	B	D	Qty:	Unit	Rate	Amount Rs.
Distemper									
22	Distemping with Robbialac, ICI, Dulux, Evershine or equivalent synthetic polyvinyl (SPD) Emulsion finish of approved shade in two or more coats over and including the cost of priming coat including preparation of surface viz dusting, sand papering or rubbing with pumice stone filling cracks or holes, if any, removing blisters or other imperfections at any height in ground floor.								
S.I.No. 17-60-c									
	Doctor Room	1	14.00	12.00			168.00Sft		
	Visitor Room	1	14.00	12.00			168.00Sft		
	EPI Room	1	14.00	12.00			168.00Sft		
	Dispensar Room	1	7.00	6.00			42.00Sft		
	Washroom	2	6.00	6.00			72.00Sft		
	Store	1	10.00	6.00			60.00Sft		
	Corridore	1	24.67	10.00			246.70Sft		
	Porch	1	10.00	12.00			120.00Sft		
	Total						1044.70Sft	P.Sft	
Matt Finish									
23	Painting in ground floor or basement with Robbialac (VIP) or equivalent plastic emulsion paint in two or more coats as per manufacturer's instruction on plastered, rendered and concrete surface over and including the cost of priming coat, surface preparation, dustin, rubbing down smooth filling any cracks, holes, removing blisters and other imperfections.								
S.I.No17-8/a									
	Doctor Room	2	14.00	10.00			280.00Sft		
		2	12.00	10.00			240.00Sft		
	Visitor Room	2	14.00	10.00			280.00Sft		
		2	12.00	10.00			240.00Sft		
	EPI Room	2	14.00	10.00			280.00Sft		
		2	12.00	10.00			240.00Sft		
	Dispensar Room	2	7.00	10.00			140.00Sft		
		2	6.00	10.00			120.00Sft		
	Washroom	4	6.00	6.00			144.00Sft		
		2	6.00	10.00			120.00Sft		
	Store	2	10.00	6.00			120.00Sft		
		2	6.00	10.00			120.00Sft		
	Corridore	2	24.67	10.00			493.40Sft		
	Porch	1	10.00	10.00			100.00Sft		
	Pillars	2	6.00	10.00			120.00Sft		
	Total						3037.40Sft	P.Sft	
Weather Sheild									
24	Painting in ground floor or basement with Robbialac (VIP) or equivalent weather coat paint in two or more coats as per manufacturer's instruction on plastered, rendered and concrete surface over and including the cost of priming coat, surface preparation, dusting, rubbing down smooth, filling any cracks, holes, removing blisters and other imperfections.								
S.I.No17-61-c									
	Mess	1	190.00	14.00			2660.00Sft		
	Total						2660.00Sft	P.Sft	
Paint on wood work									
25	Painting in ground floor or basement with Robbialac or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instruction on wood work over and including the cost of priming coat, surface preparation, rubbing down smooth, knotted, filling cracks, holes and joints.								
S.I.No17-6-1									
	D-1	10	4.00	7.00			280.00Sft		
	Almari	4	6.00	8.00			192.00Sft		
	Total						472.00Sft	P.Sft	
26	Providing and fixing plastic wire gauze of and 22 mesh per sq.inch.With First class deodar wood beading 2" x 1/2" over existing frame Sq.								
S.I.No. 16-41-a									
		10	4.00	7.00		280.00	Sft	P.Rft	
Total									
									-

**DETAIL ESTIAMTE FOR THE RENOVATION OF BASIC HEALTH UNIT (BHU) AT
SARDASHT/NOKEBAR, GWADAR**

ELECTRIFICATION

S No	Description of Work	No.	Qty:	Unit	Rate	Amount Rs.
------	---------------------	-----	------	------	------	------------

- 1 Supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories.

(S.I.No.30-87)

BHU

4

4.00 No.

- 2 Providing and fixing at Site Electric Motor of KSB, Grandfos, Siemens or approved equivalent (similar specifications), complete in all respects including all taxes.Electric Motor, 1 Hp

(S.I.No.27-65-1-a)

1

1

No.

P.No

Total _____

DETAIL ESTIAMTE FOR THE RENOVATION OF BASIC HEALTH UNIT (BHU) AT SARDASHT/NOKEBAR, GWADAR

PLUMBING WORKS

S.No.	Description of Work	No.	L	B	D	Qty:	Unit	Rate/ Unit	Amount
2	Providing and fixing plastic flushing cistern of approved quality and colour. (S.I.No.23-18-b)	2				2	Each	Each	
3	Providing and fixing 1/2" (12 mm) single hole superior quality C.P. mixer of approved make for wash hand basin, sink or shower. (S.I.No. 23-37)	2				2	Each	Each	
4	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes confirming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings, connections and jointing material (S.I.No.27-47/a-iii)								
	1"(25mm) dia (S.I.No.27-47/a-ii)	1	80			80.00	Rft	P.Rft	
	3/4"(20mm)dia	1	100			100.00	Rft	P.Rft	
5	Providing and Installing uPVC pipe IIL, Dadex or equivalent make registered with PSQCA in tubewell bore hole and/or laying, cutting, jointing and testing uPVC pipe lines in trenches. (S.I.No. 25-20-a-i)								
	3" (75mm) inner dia. (S.I.No. 25-20-a-ii)	1	40			40	Rft	P.Rft	
	4" (100 mm) inner dia.	1	60			60	Rft	P.Rft	
6	Providing and installing uPVC elbow of approved make registered with PSQCA. (S.I.No. 27-17-a-i)								
	3" (75 mm) inner dia. (S.I.No. 27-17-a-ii)	4				4	No.	P.No	
	4" (100 mm) inner dia.	4				4	No.	P.No	
8	Providing and fixing LDPE over head tank 300 gallon double ply, blue / white manufactured by Marjan, Master or equivalent on top of any floor. (S.I.No. 27-44-b)	1				1	No.	P.No	
9	Providing and fixing superior quality gun-metal peet / gate valve (Class150) of approved make. (S.I.No. 23-39-b-ii)								
	3/4" (20 mm) dia. (S.I.No. 23-39-b-iii)	4				4	No.	P.No	
	1" (25 mm) dia.	2				2	No.	P.No	
10	Providing and fixing floor trap 4" dia of approved self cleaning design with screwed down grating with or without a vent arm with and including making requisite number of holes in walls, plinth and floor for pipe connection and making good with. (S.I.No.23-9-b)	4				4.00Nos.		Each	
11	Providing and fitting superior quality C.P. or brass oxidised 1/2" (12mm) swan neck pillar cock (tap) of approved make. (S.I.No.23-40-a)	2				2.00Nos.		Each	
Total									

DETAIL ESTIAMTE FOR THE RENOVATION OF BASIC HEALTH UNIT (BHU) AT SARDASHT/NOKEBAR, GWADAR

S No	Description of Work	No.	L	B	D	Qty:	Unit	Rate	Amount Rs.
1	Excavation in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m) (S I No. 3-21-A-i)								
	Sokage Pit	1	6.00	6.00	6.00	216.00	Cft		
						216.00	Cft		P.Cft
	Stone Soling								
2	Providing and laying stone soling 6" thick with approved stone to required grade and camber including packing with spawls, chips, watering, compacting with road roller and with all lead and lift.(including royalty of Quarry). (S.I.No.21-14 B)								
	Sokage Pit	1	6.00	6.00	8.00	288.00	Cft		
					Total	288.00	Cft		P.Cft
3	Providing and laying 1:3:6 cement concrete 8" (200 mm) thick solid block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) and down gauge in ground floor super-structure including scaffolding, raking out joints and curing. (S.I.No.9-7-c-ii)								
	Sokage Pit	2.00	6.00	0.67	2.00	15.98	Cft		
		2.00	6.00	0.67	2.00	15.98	Cft		
					Total	31.97	Cft		P.Cft
4	Providing, fabricating and laying deformed Grade 40 steel reinforcement (deformed bar) for all kinds of R.C.C work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting, bending, binding, wastage and providing such over-laps as are not shown on the drawings. The cost of binding wire and cement concrete spacer blocks or chairs for binding and holding the reinforcement in position is inclusive upto 15 ft. (5m) hight (S.I.No.5-44/a)								
	Slab 6"/c/c	1	12	6.50	0.375	29.25	Lbs		
		1	12	6.50	0.375	29.25	Lbs		
						58.500	Lbs		
	Change to Ton					0.027	Ton		P.Ton
5	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing (S.I.No.5-22-c)								
	Sokage Pit slab	1	7.00	7.00	0.50	24.50	Cft		
						24.50	Cft		P.Cft
									Total

[illegible]

[illegible]

"BOQ BHU Khar putt Essai District Panigur" Repair and Renovation Works									
S.No	DESCRIPTION	No	Length (L)	Width (W)	Hieght (H)	QTY	UNIT	RATE	AMOUNT
1	Boundary Wall								
	Providing and laying 8"(200mm) thick solid 1:2:4 cement concrete block masonry using Coarse Sand and Approved crushed aggregate 3/4" (19mm) and down gauge in ground floor super-structure including scaffolding, raking out joints and curing.								
	9-8-cii								
	Boundary Wall	1	180	0.667	8	960			
							cu.ft		
	Main Gate		10	8	8	80	sq.ft		
2	Plaster of Boundary Wall								
	1/2 inch (13mm) thick cement plaster using Coarse Sand 1:4 cement mortar ratio on wall and columns in basement, plinth and ground floor including making edges, corners and curing.								
	15-3-iii								
	Boundary Wall	1	180		8	2880			
							sq.ft		
3	Weather Coat of Boundary Wall								
	Applying weather resistant paint coatings such as ICI weather shield, Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10								
	17-69								
	Boundary Wall	1	180		8	2880	sq.ft		
4	Roof Screeding								
	Providing and laying 1:2:4 P.C.C roof screeding using crushed stone 3/4" (19mm) including formwork, consolidation, finishing and curing 3" (75mm) nominal thick P.C.C. roof screeding								
	Room no 1		14	12.00		168			
	Room no 2		14	12.00		168			
	Room no 3		14	12.00		168			
	Room no 4		14	12.00		168			
	Corridor		9	8.00		72			
	Washroom (6*6)		6	6.00		36			
	Washroom (6*6)		6	6.00		36			
						816	Sq.ft		
5	Wire Mesh Plaster								
	Providing and fixing expanded metal or wire net lathing with 3/4" (19mm) cement plaster 1:4 using Coarse Sand in three layers including curing in any floor.								
	Room no 1		14	12.00		168			
	Room no 2		14	12.00		168			
	Room no 3		14	12.00		168			
	Room no 4		14	12.00		168			
	Corridor		9	8.00		72			
	Washroom (6*6)		6	6.00		36			
	Washroom (6*6)		6	6.00		36			

						816	Sq.ft		
6	Tilling								
	Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing.								
	Washroom (6*6)		6	6.00	4	132			
	Washroom (6*6)		6	6.00	4	132			
	BHU Room-1		14	12.00	1	220			
	BHU Room-2		14	12.00	1	220			
	BHU Room-3		14	12.00	1	220			
	BHU Room -4		14	12.00	1	220			
	Corridor		9	8.00	1	106			
						1118	Sq.ft		
7	Replacement of Windows								
	Providing and fixing diped galvanized fully glazed partly fixed and partly hung steel windows and ventilatores with Z- section 1.25" (32mm) width or as approved by engineer incharge including using approved brass section oxidized fittings, iron lugs cutting holes and making good the damages to walls								
	Windows (4*4) 6 nos	6	5	4.00		120	sft		
8	Doors Installation								
	Providing and fixing fully glazed steel door with frame single leaf with M.S bottom or kick rail 6" (150mm) wide and top rail of 4" (100mm) wide painted with two coats of red oxide paint, brass oxidized fittings of lugs, cutting holed, andmaking good the damages to walls.								
		5	3.5	7.00		122.5	sft		
9	Distempering Colour								
	Distempering with Berger, ICI or equivalent synthetic polyvinyl emulsion finish of approved shade in two or more coat soverand including the cost of priming coat including preparation of surfaceviz. dusting, sand papering or rubbing with pumicestone, filling cracks or holes, if any, removing blisters or other imperfections at any height and any floor. (@ atleast 2.20 Litre per 10 Sq.m)								
	Washroom (6*6)		6	6.00	5	120			
	Washroom (6*6)		6	6.00	5	120			
	BHU Room-1		14	12.00	10	688			
	BHU Room-2		14	12.00	10	688			
	BHU Room-3		14	12.00	10	688			
	BHU Room-4		14	12.00	10	688			
	Corridor		9	8.00	10	412			
						3,404	Sq.ft		
10	Weather Coat								
	Applying weather resistant paint coating such as ICI weather shield,Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10 Sq.m.								
	Washroom (6*6) 02 Nos	1	52		11	572			

	BHU Building	1	50	35.00	11	550			
						1122	Sq.ft		
11	LDPE Water Tank								
	Providing and fixing LDPE overhead tank 500 gallon capacity double ply, blue/white manufactured by Marjan, Master or equivalent on top of any floor								
						1	Each		
12	Wiring								
	Supply, installation, testing and commissioning of open surface wiring for solar power system including PVC insulated copper cables, casing/capping, clips, switches, fan points, and all necessary accessories required for complete operation.								
	Cable wire					400	RM		
	Solar-powered LED Lights					15	no		
	Ceiling Fan					4	no		
	Switch board					10	Point		
13	PPRC Pipes								
	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes conforming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings, connections and jointing material								
	Pipe		80			80	ft.		
	Elbow 90					18	no		
	Elbow 45					14	no		
	Nipple					4	no		
	plug					6	no		
	Tee					4	no		
	Socet					6	no		
	Brass socket					2	no		
	Brass tee					2	no		
	Gate valve					2	no		
14	Wash Basins								
	Providing and fixing approved quality fixtures Wash basin 24" (610 mm) ICL Futura make								
		2				2	No.		
15	Water Closet								
	Providing and fixing white English W.C with glazed earthen ware 4"(100mm) trap squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC downpipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.								
		1				1	Each		
16	UPVC sewerage pipes								
	Providing and Installing uPVC pipe class b having 4"(100mm inner dia) IIL, Dadex or equivalent make registered with PSQCA in sewer lines and/or laying, cutting, jointing, testing including all specials in pipe lines in trenches.								
		1	60			60	Rft		
17	Soak Pit								

	Providing and Construction of Soak Pit having diameter 3' with depth 10' , inner filled with Brick ballast/stone ballast having RCC top , complete in all respects as per drawings and as per direction of Engineer.								
						1	No		
18	Washroom Assories set					2	each		
	Total Estimated Cost								
	8% BRA								
	Total Amount (Inclusive of: All Taxes, Labour cost & Transportation charges)								3,348,283

Director operations & monitoring
PPHI-B

Engineer Head Office
PPHI-B

Sub Engineer (Division)

District Manager DM

GOVERNMENT OF BALOCHISTAN**REPAIRING OF BHU DALI.****ENGINEERS ESTIMATE**

S.No	DESCRIPTION OF WORKS	TOTAL COST (RS)
A	MAIN BUILDING WORKS	
1	ROOMS REPAIRING	
2	ROOMS ELECTRIC REPAIRING	
3	TOILETS REPAIRING	
4	TOILETS PLUMBING REPAIRING	
5	BOUNDARY WALL REPAIRING	
6	SEPTIC TANK	
	GRAND TOTAL	5,204,165
	IN MILLION :	5.20

5204165

GOVERNMENT OF BALOCHISTAN
REPAIRING OF BHU DALI.

S.NO	DESCRIPTION	NO	L	W	D/H	QUANTITY	UNIT	RATE (Pak Rs)	AMOUNT (Pak Rs)
ROOMS REPAIRING WORKS									
1	Removing door with chowkat (S.I No. 4-32 a)								
	DOORS	1	2.00			2.00	Each		
					Total	2.00	Each		
2	Removing windows and sky lights with chowkat (S.I No. 4-32 b)								
	Windows	2	2.00			4.00	Each		
					Total	4.00	Each		
3	Dismantling glazed or encaustic tiles from walls & Floor. (S.I No. 4-49)								
	Rooms	2	18.00	16.00		576.00	Sft		
	Flooring	4	34.00		3.00	408.00	Sft		
	Dado								
					Total	984.00	Sft		
4	Plastering in patches in cement sand mortar 1:4 including curing and scraping old damaged portions in regular shape and removal of rubbish from the site in ground floor (S.I No. 15-44 c)		30 % of Paint Work						
	3/4 inch (19 mm) thick plastering	1	580.80			580.80	Sft		
					Total	580.80	Sft		
5	Dismantling plain cement concrete leaner mixes (S.I No. 4-19 c)								
	Rooms	2	18.00	16.00	0.33	190.08	Cft		
					Total	190.08	Cft		
6	Providing and laying plain machine mixed cement concrete 1:4:8 using coarse sand and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation including levelling, compacting and curing. (S.I No. 5-5 c)								
	Rooms	2	18.00	16.00	0.25	144.00	Cft		
					Total	144.00	Cft		
7	Providing and laying Badal 12"x12" marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar. (S.I No. 14-11-a)								
	Marble Flooring								
	Rooms	2	18.00	16.00		576.00	Sft		
					Total	576.00	Sft		
8	Scraping old paints of all sorts in ground floor or basement with blow lamp from wood, plastered , rendered and /or concrete surface including rubbing, cleaning and removal of rubbish from the site (S.I No. 17- 23-a)								
	Ceiling	2	18.00	16.00		576.00	Sft		
	Internal	4	34.00		10.00	1360.00	Sft		
	External	2	74.00		10.00	1480.00	Sft		
						1936.00	Sft		
9	Oil free distempering of approved make and shade on old surface of walls and ceiling including dusting, sand papering and cleaning in basement and ground floor. (S.I No. 17- 59-a)								
	CEILING								
	CEILING	2	18.00	16.00		576.00	Sft		
	"					576.00	Sft		
9	Painting old surface in ground floor or basement with ICI/ Berger or equivalent plastic emulsion paint as per manufacturer's instructions on plastered, rendered and concrete surface including cleaning and sand papering the surface. (S.I No. 17- 33-a)								
	Intrrenal Paint with Plastic Emulsion								
	"	4	34.00		10.00	1360.00	Sft		
					Total A	1360.00	Sft		
	Deduction of Doors,Windows & vetilators								

	D	2	3.50		7.00	49.00	Sft		
	W	2	5.00		5.00	50.00	Sft		
					Total B	99.00			
					TOTAL A-B	1261.00	Sft		

10	Applying weather resistant paint coating such as ICI/Berger or equivalent paint of approved shade on old surface of walls and ceiling including dusting, sand papering and cleaning, scaffolding and removal of debris.							
	(S.I No. 17-61 -a)							
	External Paint with Weather Coat External	2	74.00		10.00	1480.00	Sft	
					Total A	1480.00	Sft	
	Deduction of Doors,Windows & ventilators							
	D	2	3.50		7.00	49.00	Sft	
	W	2	5.00		5.00	50.00	Sft	
					Total B	99.00	Sft	
					Total A-B	1381.00	Sft	
11	Providing and fixing factory made uPVC fixed or openable glazed windows/ventilators comprising of uPVC multi-chambered frame and mullion							
	(S.I No. 16-100-1)							
	W	4	5.00		5.00	100.00	Sft	
					Total	100.00	Sft	
12	Providing and fixing iron grills with square bars of 3/8" size as per approved design including welding all sides of the section at the junction and fixing with sunk iron screws, painting with two coats of red oxide paint and fixing in masonry/concrete or wood							
	(S.I No. 28-28)							
	W	4	5.00		5.00	100.00	Sft	
					Total	100.00	Sft	
13	Painting with ICI/Berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on steel and iron work over and including the cost of priming coat, surface preparation, removing rust, scales and dust with wire brush in ground floor or basement. (@ atleast 1.25 Litre per 10 Sq.m)							
	(S.I No. 17-7-1)							
	W-4	2x4	5.00		5.00	200.00	Sft	
					Total	200.00	Sft	
14	Providing and fixing 1.5" (38 mm) thick pressed veneered door shutters fully flushed with Teak wood veneering on all faces and sides fixed over partial wood caved core and frame work of not less than 4" (100mm) wide strips all round with approved iron hinges, tower bolts as required.							
	(S.I No. 16-12-a/ii)							
	D-1	2	3.50		7.00	49.00	Sft	
					Total	49.00	Sft	
15	Painting with ICI/Berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on wood work over and including the cost of priming coat, surface preparation, rubbing down smooth, knotted, filling cracks, holes and joints in ground floor or basement. (@atleast 1.65 Litre per 10 Sq.m)							
	(S.I No. 16-12-a/ii)							
	D-1	2x2	5.00		8.00	160.00	Sft	
					Total	160.00	Sft	
16	Providing and laying 2" (50mm) nominal thick 1:2:4 P.C.C roof screeding using crushed stone 3/4" (19mm) including formwork, consolidation, finishing and curing							
	(S.I No. 14-68-b)							
	Roof	2	19.50	17.50		682.50	Sft	
					Total	682.50	Sft	
G-TOTAL								

GOVERNMENT OF BALOCHISTAN
REPAIRING OF BHU DALI.

ELECTRICAL WORKS

S. No	SCHEDULE ITEM	DESCRIPTION OF ITEMS	QTY	UNIT	RATE (RS)	AMOUNT (RS)
1		Light circuit concealed / open wiring with length upto 75 ft. (25m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings. (Concealed wiring with 3/4" 20 (mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc.)				
	30-1 (a)	Ground Floor	3	Point		-
2		Concealed / open wiring from point to switch with length upto 30 ft. (10m) including any switch to switch wiring with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables, (Concealed wiring with 3/4" 20 (mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc.)				
	30-3 (a)	Ground Floor	6	Point		-
3		Concealed/open wiring from point to point with length upto 10 ft. (3m) Sq.mm PVC insulated single core copper conductor with 3x1.5 Pakistan Cables, Pioneer, Newage or approved equivalent cables.				
	30-4 (a)	Ground Floor	8	Point		-
4		Supply and install 1-gang, 5 Amp, 250 Volt,. plate type moulded switch including appropriate size plastic box to be fixed recessed I wall.				
	30-11	Ground Floor	1	NO		-
5		Supply and install 3-gang, 5 Amp, 250 Volt,. plate type moulded switch including appropriate size plastic box to be fixed recessed I wall.				
	30-13	Ground Floor	2	No.		-
6		Supply and install combined 2/3 pin 5 Amps, 250 Volt switch socket unit including plastic box to be fixed recessed in wall.				
	30-19	Ground Floor	3	No.		-
7		Supply and install combined 3 pin 15 Amps. 250 Volt socket unit including plastic box to be fixed recessed in wall.				
	30-20	Ground Floor	4	No.		-
8		Supply and installation of 3/4" (20 mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.				
	30-21	Ground Floor	10	RM		-
9		Supply and installation of 1" (25mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.				
	30-22	Ground Floor	30	RM		-
10		Supply and installation of 2" (50mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.				
	30-24	Ground Floor	20	RM		-
11		Supply and install 2.5 sq.mm PVC insulated single core 600/1000V.cable with copper conductor in already concealed PVC conduit. 2 x 25 mm Single Core Cable				
	30-32	Ground Floor	40	RM		-

12		Supply and install 6 sq.mm PVC insulated single core 600/1000V.cable with copper conductor in already concealed PVC conduit. (2x6sqmm +1mm as Ecc for AC Points.)				
	30-34	Ground Floor	20	RM		-
13		Supply and install 10 sq.mm PVC insulated single core 600/1000V.cable with copper conductor in already concealed PVC conduit. Green Color For E.C.C (Earth Copper Conductor)				
	30-35	Ground Floor	10	RM		-
14		Supply and install 16 sq.mm PVC insulated single core 600/1000V.cable with copper conductor in already concealed PVC conduit. 4 x 16 mm From DB-G1 TO DB-F1 & DB-G2 TO DB-F2				
	30-36	Ground Floor	8	RM		-
15		Supply and install 25 sq.mm PVC insulated single core 600/1000V.cable with copper conductor in already concealed PVC conduit.				
	30-37		8	RM		-
21		LED BULBS				
	30-124 a		10	No.		-
						-
		b) LED Panel Lights				
22	30-124 b		4	No.		-
23		Supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories.				
	30-87	Ground Floor	4	No.		-
24		Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.				
	30-113	Ground Floor	2	Each		-
25		Extra for installing each number circuit breaker 6 Ampere on same distribution board and bus bar (For outgoing)				
	30-116 (b)		2	Job		-
26		Supply and install Plastic holder including base plate with LED bulbs				
	30-122b + 124 a	Ground Floor	10	Each		-
33		Supply and install of Single Pole Circuit Breaker (MCB) 16 Ampere				
	31-22 (a)	Ground Floor	2	Each		-
34		Supply and install of 4 Pole (MCCB) Circuit Breaker 100-160 Ampere (70KV)				
	31-22 (z-4)	Ground Floor	2	Each		-
Sub Total Schedule items						-

GOVERNMENT OF BALOCHISTAN
REPAIRING OF BHU DALI.

S.NO	DESCRIPTION	NO	L	W	D/H	QUANTITY	UNIT	RATE (Pak Rs)	AMOUNT (Pak Rs)
	TOILET REPAIRING WORKS								
1	Plastering in patches in cement sand mortar 1:4 including curing and scraping old damaged portions in regular shape and removal of rubbish from the site in ground floor (S.I No. 15-44 c) 3/4 inch (19 mm) thick plastering	1	200.40			200.40	Sft		
					Total	200.40	Sft		
2	Dismantling glazed or encaustic tiles from walls & Floor. (S.I No. 4-49) WALLS Toilets FLOOR Toilets	2	14.00		7.00	196.00	Sft		
		1	8.00	6.00		48.00	Sft		
					Total	244.00	Sft		
3	Dismantling plain cement concrete 1 : 4 : 8 & leaner mixes (S.I No. 4-19 c) Toilets	1	8.00	6.00	0.33	15.84	Cft		
					Total	15.84	Cft		
4	Providing and laying plain machine mixed cement concrete 1:4:8 using coarse sand and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation including levelling, compacting and curing. (S.I No. 5-5 c) Toilets	1	8.00	6.00	0.25	12.00	Cft		
					Total	12.00	Cft		
5	Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing. (S.I No. 14-25-a) Tile Flooring Toilets	1	8.00	6.00		48.00	Sft		
					Total	48.00	Sft		
6	Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry of matching color, cleaning & curing. (S.I No. 14-25-a) Tile Flooring Toilets	2	14.00		7.00	196.00	Sft		
					Total	196.00	Sft		
6	Scraping old paints of all sorts in ground floor or basement with blow lamp from wood, plastered , rendered and /or concrete surface including rubbing, cleaning and removal of rubbish from the site (S.I No. 17- 23-a) CEILING Toilets INTERNAL Toilets EXTERNAL	1	8.00	6.00		48.00	Sft		
		2	14.00		10.00	280.00	Sft		
		1	34.00		10.00	340.00	Sft		
						668.00	Sft		
7	Oil free distempering of approved make and shade on old surface of walls and ceiling including dusting, sand papering and cleaning in basement and ground floor. (S.I No. 17- 59-b) CEILING CEILING Toilets	1	8.00	6.00		48.00	Sft		
						48.00	Sft		

14	Painting with ICI/Berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on wood work over and including the cost of priming coat, surface preparation, rubbing down smooth, knotted, filling cracks, holes and joints inground floor or basement. (@atleast 1.65 Litre per 10 Sq.m) (S.I No. 16-12-a/ii) D-1	4	3.50		7.00	49.00	Sft		
					Total	49.00	Sft		
15	Providing and laying 3" (75mm) nominal thick 1:2:4 P.C.C roof screeding using crushed stone 3/4" (19mm) including formwork, consolidation, finishing and curing (S.I No. 14-68-c) "	1	17.88	22.75		406.66	Sft		
					Total	406.66	Sft		
G-TOTAL									

0

0

0

GOVERNMENT OF BALOCHISTAN
REPAIRING OF BHU DALI.

Repairing Plumbing/ Sanitary Works

Ground Floor

Sr. No.	Description	Measurement				Quantity	Unit	Rate Rs.	Amount Rs.
		No	L	B	H/D				
1	Providing and fixing squatting type water closet W.C. Indian/Desi/902 with glazed earthen ware 4" (100 mm) trap with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/ washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.								
	S.I No. 23-2-a								
		1	1	-	-	-	1.00		
		Total				1.00	Each		
2	Providing and fixing Sonex/Master WC CR Shower including Connecting Flexible Pipe and bib cok including making requisite numbers of holes and making good with approved material.								
	S.I No. 23-70-1								
		1	1	-	-	-	1.00		
		Total				1.00	Set		
3	Providing and fixing approved quality white glazed earthenware Lavatory basin 25" x 18" (625 mm x 450 mm) with 1/2" (15 mm) dia. single hole C.P. mixer tap, 2 way deluxe pillar tap, stop cocks, 6" C.I. or W.I. brackets built into walls, rubber plug, C.P. brass chain, C.P. brass waste, malleable iron or C.P. brass bottle trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.								
	S.I No. 23-23-b								
		1	1	-	-	-	1.00		
		Total				1.00	Each		
4	Providing and fixing Glazed 4" (100 mm) size ' P trap including concrete chamber and C.I. grating.								
	S.I No. 23-42-b								
		1	1	-	-	-	1.00		
		Total				1.00	Each		

5	Providing and fixing C.I. floor trap 4" dia. inlet and outlet with C.I. grating of approved self cleaning design with screwed down grating with or without a vent arm with and including making requisite number of holes in walls, plinth and floor for pipe connection and making good with								
	S.I No. 23-9-b								
		1	1	-	-	-	1.00		
		Total					1.00	Each	
6	Providing and fixing superior quality C.P. bib cock 1/2" (12 mm) dia. of approved make.								
	S.I No. 23-34-a								
		1	2	-	-	-	2.00		
		Total					2.00	Each	
7	Providing and Installing Class B uPVC pipe 3" (75 mm) inner dia. IIL, Dadex or equivalent make registered with PSQCA in tubewell bore hole and/or laying, cutting, jointing and testing uPVC pipe lines in trenches. For Waste Water Pipe								
	S.I No. 25-20-a/i								
		1	1	50.00	-	-	50.00		
		Total					50.00	R.ft.	
8	Providing and Installing Class B uPVC pipe 4" (100 mm) inner dia. IIL, Dadex or equivalent make registered with PSQCA in tubewell bore hole and/or laying, cutting, jointing and testing uPVC pipe lines in trenches. For Soil Water Pipe								
	S.I No. 25-20-a/ii								
		1	1	50.00	-	-	50.00		
		Total					50.00	R.ft.	
9	Providing and fixing cement concrete gully trap 6" x 6" x 4" (150 x 150 x 100 mm) with C.I. cover and frame weighing not less than 10 kg. with 4" (100mm) outlet, complete with 4" (100mm) thick 1:2:4 cement concrete using 3/4" (19mm) crushed aggregate for bed and kerb, 1/2" (13mm) thick cement plaster 1:3, 12"x12"x18" deep inside dimension chamber with C.I. grating 6"x6" cover and frame 12"x12".								
	S.I No. 25-2-a								
		1	1	-	-	-	1.00		
		Total					1.00	Each	
10	Providing, laying, cutting, jointing, testing and disinfecting (15mm) PPRC pipe conforming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings, connnections and jointing material								
	S.I No. 27-47-a/i								
		1	1	80.00	-	-	80.00		

						Total	80.00	R.ft.		
11	Providing, laying, cutting, jointing, testing and disinfecting (20mm) PPRC pipe conforming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings, connnections and jointing material									
	S.I No. 27-47-a/ii									
		1	1	50.00	-	-	50.00			
						Total	50.00	R.ft.		
12	Providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with chromium plated screws.									
	S.I No. 23-15-1									
		1	1	-	-	-	1.00			
						Total	1.00	Each		
13	Providing and fitting superior quality plastic accessories of approved make Soap dish, Toilet paper holder, Towel rod, Shelf 24" x 5" with bracket and railing.									
	S.I No. 23-30-a+b+c+d									
	For General Toilet	1	1	-	-	-	1.00			
						Total	1.00	Set		
14	Providing and fixing LDPE over head tank doubleply , blue/white manufactured by Marjan, Master or equivalent on top of any floor									
	S.I No. 27-44-c									
	1000 gallons capacity	1	1	-	-	-	1.00			
						Total	1.00	Set		
						Total Cost of Schedule Items (Rs.)				
						Total Cost of Non-Schedule Items (Rs.)				
									Total (Rs.)	

GOVERNMENT OF BALOCHISTAN
REPAIRING OF BHU DALI.

S. No	CSR ITEM NO	Description	NO	L	W	H/D	QTY:	UNIT	Rate Par UNIT (Rs)	Amount (Rs)
		Excavation								
1	3-21 Aii	Excavation in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m)								
		ii) in ordinary soil. (Building)								
		B Wall	1	200	3.0	3.0	1800.00			
		Isolated Footings	4	4.0	4.0	3.0	192.00			
				200			1992.00	C _{FT}		
		Plain and Reinforced Concrete								
2	14-3 b	providing and laying 4" (100 mm) thick sand cushion under floor.								
		B Wall	1	200	3.0		600.00			
		Isolated Footings	3	4	4.0		48.00			
				200			648.00	S _{FT}		
3	5-8 e	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19 mm) & down gauge in foundation including leveling, compacting and curing.								
		B Wall	1	200	4.0	0.25	200.00			
		Isolated Footings	3	4	4.0	0.25	12.00			
							212.00	C _{FT}		
		Steel Reinforcement								
4	5-65 a	Providing and fabricating and laying Tor steel grade 60 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of building wire and precast 1:2:4 cement concrete spacer block or MS chairs for binding and holding the reinforcement in position is inclusive up to 5m (14.6 ft)								
		ii) Deformed bars (Grade-60)								
		IN FOUNDATION								
		Isolated Footings								
		M.BAR (4/8") Dia	3	10	4.67	0.473	68.48	KG		
		D.BAR (4/8") Dia	3	10	4.67	0.473	68.48	KG		
		Strip Footings								
		M.BAR (4/8") Dia	1	8	200.00	0.473	756.32	KG		
		RINGS (3/8") Dia @ 9"C/C	1	268	5.75	0.170	261.95	KG		
		COL 1 (Gate Columns With Slab)								
		M.BAR (4/8") Dia	4	8	16.50	0.473	249.59	KG		
		RINGS (3/8") Dia @ 6"C/C	4	34	9.82	0.170	227.31	KG		
		COL 3								
		M.BAR (4/8") Dia	25	4	16.50	0.473	779.96	KG		
		RINGS (3/8") Dia @ 6"C/C	25	34	2.83	0.170	409.42	KG		
		PLINTH BAND								
		M.BAR (4/8") Dia	1	4	200.00	0.303	242.40	KG		

		RINGS (3/8") Dia @ 9"C/C	1	268	2.75	0.170	125.28	KG		
							3189.17	KG		
							3.19	TON		
		Foundation Footing								
5	5-8 e	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19 mm) & down gauge in foundation including leveling, compacting and curing.								
		B Wall	1	200	3.00	1.50	900.00			
		Isolated Footings	3	4.00	4.00	1.50	72.00			
							972.00	C_{FT}		
		Column								
6	5-15-c	Providing and laying in situ cement concrete 1 : 1.5 : 3 cement concrete using crush stone using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in pillars and columns of any shape in foundation including compacting, curing, cost of form-work & its removal in basement and ground floor.								
		C-1 Step-1	3	1.50	1.50	1.00	6.75			
		C-1 Step-2	3	1.50	1.13	1.00	5.06			
		C-2 Step-1	25	0.75	1.50	1.00	28.13			
		C-2 Step-2	25	0.75	1.13	1.00	21.09			
							61.03	C_{FT}		
		Foundation Brick work								
7	11-3 b	Providing and laying first class solid burnt brick masonry 1:4 CM (Brick Strength :1800 psi- 2000 psi) including scaffolding, raking out joints and curing in foundation and substructure /Basement i/c cost of testing. Above 4.5" thick								
		Step-1	1	200.00	1.50	1.00	300.00			
		Step-2	1	200.00	1.13	1.00	225.00			
		Columns Deduction								
		C-1 Step-1	3	1.50	1.50	1.00	-6.75			
		C-1 Step-2	3	1.50	1.13	1.00	-5.06			
		C-2 Step-1	25	0.75	1.50	1.00	-28.13			
		C-2 Step-2	25	0.75	1.13	1.00	-21.09			
							463.97	C_{ft}		
		Plinth Beam								
8	5-49-a	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm.) and down gauge in plinth band , door band and roof band of required shape or section including formwork and its removal, compacting and curing in basement and ground floor but excluding the cost of reinforcement.								
		Plinth Beam	1	200.00	1.25	0.50	125.00			
							125.00	C_{FT}		
		Superstructure Brick Work								

9	11-12-b iii	Providing and laying first class solid burnt brick masonry 1:4 cm using Brick Strength: 1800 Psi- 2000 psi) including scaffolding, raking out joints and curing in ground floor superstructure and i/c cost of testing. Above 4.5" (115 mm) nominal thick brick work							
		Wall	1	200.00	0.75	10.00	1500.00		
		Diduction of Collumn							
		C1	3	1.50	0.75	10.00	-33.75		
		C2	25	0.75	0.75	12.00	-168.75		
		MAIN GATE	1	12.00	0.75	12.00	-108.00		
			1	4.00	0.75	12.00	-36.00		
							1153.50	C_{FT}	
		Plain and Reinforced Concrete							
10	5-27-a	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in precast shelves coping, cornices, eave boards, hood, fencing posts and manhole covers etc. including formwork & its removal, compacting and curing in ground floor.							
		Coping	1	200.00	0.75	0.25	37.50		
		Diduction of Collumn							
		C1	3	1.50	0.75	0.25	-0.84		
		C2	25	0.75	0.75	0.25	-3.52		
		MAIN GATE	1	12.00	0.75	12.00	-108.00		
			1	4.00	0.75	12.00	-36.00		
						TOTAL	-110.86	C_{FT}	
11	5-15-c	Providing and laying in situ cement concrete 1 : 1.5 : 3 cement concrete using crush stone using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in pillars and columns of any shape in foundation including compacting, curing, cost of form-work & its removal in basement and ground floor.							
		C1	3	1.50	1.50	13.00	87.75		
		C2	25	0.75	0.75	13.00	182.81		
						TOTAL	270.56	C_{FT}	
		Surface Rendering							
12	15-4 iii	1/2 inch (13mm) thick cement plaster using Coarse Sand 1:4 cement mortar ratio on external walls and olumns in basement, plinth and ground floor including making edges, corners with deep cut groves and curing.							
		Wall	2	200.00	-	11.00	4400.00		
							4400.00	S_{FT}	
		WEATHER SHIELD							
13	17-69- i	Applying weather resistant paint coating such as ICI weather shield,Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10 Sq.m.							
		Wall	2	200.00	-	11.00	4400.00		

							4400.00	S _{FT}		
TOTAL										

**GOVERNMENT OF BALOCHISTAN
REPAIRING OF BHU DALI.**

DETAIL MEASUREMENT SHEET

S.NO	C.S.R No	DESCRIPTIONS	NO	MEASUREMENTS			TOTAL QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
1	3-42 A iv	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock (i) The rate includes back filling after laying of sewer, which is payable separately Below 5 ft. to 10 ft. (1.5 m to 3.0 m) depth								
			1	8.00	8.00	7.00	448.00	CFT		
2	5-4-b	Providing and laying 1:4:8 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.								
			1	8.00	8.00	0.25	16.00	CFT		
3	5-12-a	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.								
			1	8.00	8.00	0.75	48.00	CFT		
4	11-3-b-3	Providing and laying first class solid burnt brick masonry (Brick Strength:1800 psi-2000 psi) including scaffolding, raking out joints and curing in foundation and substructure / Basement i/c cost of testing.								
			2	7.57	0.75	6.00	68.13	CFT		
			2	13.50	0.75	6.00	121.50	CFT		
			2	8.00	0.75	6.00	72.00	CFT		
						Total	261.63	CFT		
6	5-22-c	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. c) Top slab upto 6" (150 mm) thick								
			1	8.00	8.00	1.00	64.00	CFT		0
6	5-65-a	Providing, fabricating and laying deformed Grade 60 steel reinforcement (deformed bar) for all kinds of R.C.C work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting, bending, binding, wastage and providing such over-laps as are not shown on the drawings. The cost of binding wire and cement concrete spacer blocks or chairs for binding and holding the reinforcement in position is inclusive upto 15 ft. (5m) height Extra on item 5-65 (a) for overhead tanks at a height of 30 ft. (10m)								
		FOUNDATION BED	35	7.50	1.042	2	547.05			
		"	25	8.50	1.042	2	442.85			
		SLAB	35	7.50	0.667	2	350.18			
			25	8.50	0.667	2	283.48			
							1623.55	LBS		
		CHANG INTO TONS	1	1623.55		2240	0.725	TON		
7	15-4-iii	19mm (3/4") thick cement plaster 1:4 cement mortar ratio on Internal wall and columns in basment plinth and ground floor including making edges cornor and curing.								
			2	8.00		5	80.00	SFT		
			4	8.00		5	160.00	SFT		
							240.00	SFT		
9	25-12-a	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels. a) Angle iron 1.25" x 1.25" x 3/16" (32 mm x 32 mm x 5 mm)								

			1	4.00	1.00		4.00	Each		
10	13-16-a	Providing and fixing cast iron rain water pipe shoe, bend and offset including cost of clamps, holdfasts, bolts, nuts and painting a) 4 inches (100 mm) dia. shoe or bend or offset								
		internal vertical wall corners	1	4			4	NOS		
TOTAL in Rs.										

GOVERNMENT OF BALOCHISTAN

REPAIRING OF BHU GAWARAGI

ENGINEERS ESTIMATE

S.No	DESCRIPTION OF WORKS	TOTAL COST (RS)
A	MAIN BUILDING WORKS	
1	ROOMS REPAIRING	
2	ROOMS ELECTRIC REPAIRING	
3	TOILETS REPAIRING	
4	TOILETS PLUMBING REPAIRING	
5	BOUNDARY WALL REPAIRING	
6	SEPTIC TANK	
	GRAND TOTAL	5,204,165
	IN MILLION :	5.20

5204165

**GOVERNMENT OF BALOCHISTAN
REPAIRING OF BHU GAWARAGI**

ENGINEERS ESTIMATE

S.NO	DESCRIPTION	NO	L	W	D/H	QUANTITY	UNIT	RATE (Pak Rs)	AMOUNT (Pak Rs)
ROOMS REPAIRING WORKS									
1	Removing door with chowkat (S.I No. 4-32 a)								
	DOORS	1	2.00			2.00	Each		
					Total	2.00	Each		
2	Removing windows and sky lights with chowkat (S.I No. 4-32 b)								
	Windows	2	2.00			4.00	Each		
					Total	4.00	Each		
3	Dismantling glazed or encaustic tiles from walls & Floor. (S.I No. 4-49)								
	Rooms	2	18.00	16.00		576.00	Sft		
	Flooring	4	34.00		3.00	408.00	Sft		
	Dado								
					Total	984.00	Sft		
4	Plastering in patches in cement sand mortar 1:4 including curing and scraping old damaged portions in regular shape and removal of rubbish from the site in ground floor (S.I No. 15-44 c)		30 % of Paint Work						
	3/4 inch (19 mm) thick plastering	1	580.80			580.80	Sft		
					Total	580.80	Sft		
5	Dismantling plain cement concrete leaner mixes (S.I No. 4-19 c)								
	Rooms	2	18.00	16.00	0.33	190.08	Cft		
					Total	190.08	Cft		
6	Providing and laying plain machine mixed cement concrete 1:4:8 using coarse sand and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation including levelling, compacting and curing. (S.I No. 5-5 c)								
	Rooms	2	18.00	16.00	0.25	144.00	Cft		
					Total	144.00	Cft		
7	Providing and laying Badal 12"x12" marble tiles floor fine dressed on surface without winding in ground floor and laid over 1" (25mm) thick cement sand mortar 1:2 setting tiles with portland cement slurry over cement mortar, jointing and washing the tiles with white cement slurry including curing, rubbing and polishing including the cost of cement mortar. (S.I No. 14-11-a)								
	Marble Flooring								
	Rooms	2	18.00	16.00		576.00	Sft		
					Total	576.00	Sft		
8	Scraping old paints of all sorts in ground floor or basement with blow lamp from wood, plastered , rendered and /or concrete surface including rubbing, cleaning and removal of rubbish from the site (S.I No. 17- 23-a)								
	Ceiling	2	18.00	16.00		576.00	Sft		
	Internal	4	34.00		10.00	1360.00	Sft		
	External	2	74.00		10.00	1480.00	Sft		
						1936.00	Sft		
9	Oil free distempering of approved make and shade on old surface of walls and ceiling including dusting, sand papering and cleaning in basement and ground floor. (S.I No. 17- 59-a)								
	CEILING								
	CEILING	2	18.00	16.00		576.00	Sft		
	"					576.00	Sft		
9	Painting old surface in ground floor or basement with ICI/ Berger or equivalent plastic emulsion paint as per manufacturer's instructions on plastered, rendered and concrete surface including cleaning and sand papering the surface. (S.I No. 17- 33-a)								
	Intrrenal Paint with Plastic Emulsion								
	"	4	34.00		10.00	1360.00	Sft		
					Total A	1360.00	Sft		
	Deduction of Doors, Windows & vetilators								

	D	2	3.50		7.00	49.00	Sft		
	W	2	5.00		5.00	50.00	Sft		
					Total B	99.00			
					TOTAL A-B	1261.00	Sft		
10	Applying weather resistant paint coating such as ICI/Berger or equivalent paint of approved shade on old surface of walls and ceiling including dusting, sand papering and cleaning, scaffolding and removal of debris.								
	(S.I No. 17-61 -a)								
	External Paint with Weather Coat								
	External	2	74.00		10.00	1480.00	Sft		
	Deduction of Doors,Windows & ventilators				Total A	1480.00	Sft		
	D	2	3.50		7.00	49.00	Sft		
	W	2	5.00		5.00	50.00	Sft		
					Total B	99.00	Sft		
					Total A-B	1381.00	Sft		
11	Providing and fixing factorymadeuPVC fixedor openable glazed windows / ventilators comprising of uPVC multi-chambered frame and mullion								
	(S.I No. 16-100-1)								
	W	4	5.00		5.00	100.00	Sft		
					Total	100.00	Sft		
12	Providing and fixing iron grills with square bars of 3/8" size as per approved design including welding all sides of the section at the junction and fixing with sunk iron screws, painting with two coats of red oxide paint and fixing in masonry/concrete or wood								
	(S.I No. 28-28)								
	W	4	5.00		5.00	100.00	Sft		
					Total	100.00	Sft		
13	Painting with ICI/Berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on steel and iron work over and including the cost of priming coat, surface preparation, removing rust, scales and dust with wire brush in ground floor or basement. (@ atleast 1.25Litre per 10 Sq.m)								
	(S.I No. 17-7-1)								
	W-4	2x4	5.00		5.00	200.00	Sft		
					Total	200.00	Sft		
14	Providing and fixing 1.5" (38 mm) thick pressed veneered door shutters fully flushed with Teak wood veneering on all faces and sides fixed over partial wood cavited core and frame work of not less than 4" (100mm) wide strips all round with approved iron hinges, tower bolts as required.								
	(S.I No. 16-12-a/ii)								
	D-1	2	3.50		7.00	49.00	Sft		
					Total	49.00	Sft		
15	Painting with ICI/Berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on wood work over and including the cost of priming coat, surface preparation, rubbing down smooth, knotted,filling cracks,holes and joints inground floor or basement. (@atleast1.65Litreper10 Sq.m)								
	(S.I No. 16-12-a/ii)								
	D-1	2x2	5.00		8.00	160.00	Sft		
					Total	160.00	Sft		
16	Providing and laying 2" (50mm) nominal thick 1:2:4 P.C.C roof screeding using crushed stone 3/4" (19mm) including formwork, consolidation, finishing and curing								
	(S.I No. 14-68-b)								
	Roof	2	19.50	17.50		682.50	Sft		
					Total	682.50	Sft		
G-TOTAL									

GOVERNMENT OF BALOCHISTAN

REPAIRING OF BHU GAWARAGI

ENGINEERS ESTIMATE

ELECTRICAL WORKS

S. No	SCHEDULE ITEM	DESCRIPTION OF ITEMS	QTY	UNIT	RATE (RS)	AMOUNT (RS)
1		Light circuit concealed / open wiring with length upto 75 ft. (25m) from distribution board to point/switch with 3x2.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings. (Concealed wiring with 3/4" 20 (mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc.)				
	30-1 (a)	Ground Floor	3	Point		-
2		Concealed / open wiring from point to switch with length upto 30 ft. (10m) including any switch to switch wiring with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables, (Concealed wiring with 3/4" 20 (mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc.)				
	30-3 (a)	Ground Floor	6	Point		-
3		Concealed/open wiring from point to point with length upto 10 ft. (3m) Sq.mm PVC insulated single core copper conductor with 3x1.5 Pakistan Cables, Pioneer, Newage or approved equivalent cables.				
	30-4 (a)	Ground Floor	8	Point		-
4		Supply and install 1-gang, 5 Amp, 250 Volt., plate type moulded switch including appropriate size plastic box to be fixed recessed I wall.				
	30-11	Ground Floor	1	NO		-
5		Supply and install 3-gang, 5 Amp, 250 Volt., plate type moulded switch including appropriate size plastic box to be fixed recessed I wall.				
	30-13	Ground Floor	2	No.		-
6		Supply and install combined 2/3 pin 5 Amps, 250 Volt switch socket unit including plastic box to be fixed recessed in wall.				
	30-19	Ground Floor	3	No.		-
7		Supply and install combined 3 pin 15 Amps. 250 Volt socket unit including plastic box to be fixed recessed in wall.				
	30-20	Ground Floor	4	No.		-
8		Supply and installation of 3/4" (20 mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.				
	30-21	Ground Floor	10	RM		-
9		Supply and installation of 1" (25mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.				
	30-22	Ground Floor	30	RM		-

10		Supply and installation of 2" (50mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.				
	30-24	Ground Floor	20	RM		-
11		Supply and install 2.5 sq.mm PVC insulated single core 600/1000V.cable with copper conductor in already concealed PVC conduit. 2 x 25 mm Single Core Cable				
	30-32	Ground Floor	40	RM		-
12		Supply and install 6 sq.mm PVC insulated single core 600/1000V.cable with copper conductor in already concealed PVC conduit. (2x6sqmm +1mm as Ecc for AC Points.)				
	30-34	Ground Floor	20	RM		-
13		Supply and install 10 sq.mm PVC insulated single core 600/1000V.cable with copper conductor in already concealed PVC conduit. Green Color For E.C.C (Earth Copper Conductor)				
	30-35	Ground Floor	10	RM		-
14		Supply and install 16 sq.mm PVC insulated single core 600/1000V.cable with copper conductor in already concealed PVC conduit. 4 x 16 mm From DB-G1 TO DB-F1 & DB-G2 TO DB-F2				
	30-36	Ground Floor	8	RM		-
15		Supply and install 25 sq.mm PVC insulated single core 600/1000V.cable with copper conductor in already concealed PVC conduit.				
	30-37		8	RM		-
21		LED BULBS				
	30-124 a		10	No.		-
						-
		b) LED Panel Lights				
22	30-124 b		4	No.		-
23		Supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories.				
	30-87	Ground Floor	4	No.		-
24		Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.				
	30-113	Ground Floor	2	Each		-
25		Extra for installing each number circuit breaker 6 Ampere on same distribution board and bus bar (For outgoing)				
	30-116 (b)		2	Job		-
26		Supply and install Plastic holder including base plate with LED bulbs				
	30-122b + 124 a	Ground Floor	10	Each		-
33		Supply and install of Single Pole Circuit Breaker (MCB) 16 Ampere				
	31-22 (a)	Ground Floor	2	Each		-
34		Supply and install of 4 Pole (MCCB) Circuit Breaker 100-160 Ampere (70KV)				

	31-22 (z-4)	Ground Floor	2	Each		-
Sub Total Schedule items						-

GOVERNMENT OF BALOCHISTAN
REPAIRING OF BHU GAWARAGI

ENGINEERS ESTIMATE

S.NO	DESCRIPTION	NO	L	W	D/H	QUANTITY	UNIT	RATE (Pak Rs)	AMOUNT (Pak Rs)
	TOILET REPAIRING WORKS								
1	Plastering in patches in cement sand mortar 1:4 including curing and scraping old damaged portions in regular shape and removal of rubbish from the site in ground floor (S.I No. 15-44 c) 3/4 inch (19 mm) thick plastering	1	200.40			200.40	Sft		
					Total	200.40	Sft		
2	Dismantling glazed or encaustic tiles from walls & Floor. (S.I No. 4-49) WALLS Toilets FLOOR Toilets	2	14.00		7.00	196.00	Sft		
		1	8.00	6.00		48.00	Sft		
					Total	244.00	Sft		
3	Dismantling plain cement concrete 1 : 4 : 8 & leaner mixes (S.I No. 4-19 c) Toilets	1	8.00	6.00	0.33	15.84	Cft		
					Total	15.84	Cft		
4	Providing and laying plain machine mixed cement concrete 1:4:8 using coarse sand and crushed aggregate having maximum size upto 1-1/2" (38mm) & down gauge in foundation including levelling, compacting and curing. (S.I No. 5-5 c) Toilets	1	8.00	6.00	0.25	12.00	Cft		
					Total	12.00	Cft		
5	Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing. (S.I No. 14-25-a) Tile Flooring Toilets	1	8.00	6.00		48.00	Sft		
					Total	48.00	Sft		
6	Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed/Matt tiles (Prime Quality) of any colour and size, as directed by Engineer-in-Charge in dado/skirting in ground floor over 1/2" (13mm) thick base of cement mortar 1:3, setting of tiles in slurry of grey cement over mortar base including filling the joints and washing the tiles with white cement slurry of matching color, cleaning & curing. (S.I No. 14-25-a) Tile Flooring Toilets	2	14.00		7.00	196.00	Sft		
					Total	196.00	Sft		
6	Scraping old paints of all sorts in ground floor or basement with blow lamp from wood, plastered , rendered and /or concrete surface including rubbing, cleaning and removal of rubbish from the site (S.I No. 17- 23-a) CEILING Toilets INTERNAL Toilets EXTERNAL	1	8.00	6.00		48.00	Sft		
		2	14.00		10.00	280.00	Sft		
		1	34.00		10.00	340.00	Sft		
						668.00	Sft		
7	Oil free distempering of approved make and shade on old surface of walls and ceiling including dusting, sand papering and cleaning in basement and ground floor. (S.I No. 17- 59-b) CEILING CEILING Toilets	1	8.00	6.00		48.00	Sft		
						48.00	Sft		

8	Painting old surface in ground floor or basement with ICI/Berger or equivalent plastic emulsion paint as per manufacturer's instructions on plastered, rendered and concrete surface including cleaning and sand papering the surface. (S.I No. 17- 33-b) Intrnal Paint with Plastic Emulsion Toilets	2	14.00		10.00	280.00	Sft		
					Total A	280.00	Sft		
	Deduction of Doors,Windows & vetilators				7.00	24.50	Sft		
	D-1	1	3.50		2.00	4.00	Sft		
	V1	1	2.00		Total B	28.50			
					TOTAL A-B	251.50	Sft		
9	Applying weather resistant paint coating such as ICI weather shield,Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10 S (S.I No. 17-69 -1) External Paint with Weather Coat "	1	34.00	-	11.00	374.00	Sft		
					Total A	374.00	Sft		
	Deduction of Doors,Windows & vetilators				7.00	24.50	Sft		
	D-1	1	3.50		2.00	4.00	Sft		
	V1	1	2.00		Total B	28.50	Sft		
					Total A-B	345.50	Sft		
10	Providing & fixing steel windows with openable glazed panels using beam section for frame 1.5"x1"x5/8"x1/8" z-section for leave 3/4"x1"x3/4"x1/8" T-section sashes 1"x1"x1/8 " glass panes, wooden screws for glazing embedded over a thin layer of putty duty screwed with leave with fittings of approved make including cost of painting, hold fast, fabrication, cutting holes as per approved design. With G.I. wire gauze 22 gauge - 12 mesh and with glass 5 mm thick.								
	(S.I No. 28-58-b/ii)								
	V1	1	2.00		2.00	4.00	Sft		
					Total	4.00	Sft		
11	Providing and fixing iron grills with square bars of 3/8" size as per approved design including welding all sides of the section at the junction and fixing with sunk iron screws, painting with two coats of red oxide paint and fixing in masonry/concrete or wood								
	(S.I No. 28-28)								
	V1	1	2.00		2.00	4.00	Sft		
					Total	4.00	Sft		
12	Painting with ICI/Berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on steel and iron work over and including the cost of priming coat, surface preparation, removing rust, scales and dust with wire brush in ground floor or basement. (@ atleast 1.25Litre per 10 Sq.m)								
	(S.I No. 17-7-1)								
	V1	2	2.00		2.00	48.00	Sft		
					Total	48.00	Sft		
13	Providing and fixing 1.5" (38 mm) thick pressed veneered door shutters fully flushed with Teak wood veneering on all faces and sides fixed over partial wood cavited core and frame work of not less than 4" (100mm) wide strips all round with approved iron hinges, tower bolts as required.								
	(S.I No. 16-12-a/ii)								
	D-1	1	3.50		7.00	24.50	Sft		
					Total	24.50	Sft		

14	Painting with ICI/Berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on wood work over and including the cost of priming coat, surface preparation, rubbing down smooth, knotted, filling cracks, holes and joints inground floor or basement. (@atleast1.65Litreper10 Sq.m) (S.I No. 16-12-a/ii) D-1	4	3.50		7.00	49.00	Sft		
					Total	49.00	Sft		
15	Providing and laying 3" (75mm) nominal thick 1:2:4 P.C.C roof screeding using crushed stone 3/4" (19mm) including formwork, consolidation, finishing and curing (S.I No. 14-68-c) "	1	17.88	22.75		406.66	Sft		
					Total	406.66	Sft		
G-TOTAL									

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GOVERNMENT OF BALOCHISTAN
REPAIRING OF BHU GAWARAGI
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ENGINEERS ESTIMATE

Repairing Plumbing/ Sanitary Works

Ground Floor

Sr. No.	Description	Measurement				Quantity	Unit	Rate Rs.	Amount Rs.
		No	L	B	H/D				
1	Providing and fixing squatting type water closet W.C. Indian/Desi/902 with glazed earthen ware 4" (100 mm) trap with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/ washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.								
	S.I No. 23-2-a								
		1	1	-	-	-	1.00		
		Total				1.00	Each		
2	Providing and fixing Sonex/Master WC CR Shower including Connecting Flexible Pipe and bib cock including making requisite numbers of holes and making good with approved material.								
	S.I No. 23-70-1								
		1	1	-	-	-	1.00		
		Total				1.00	Set		
3	Providing and fixing approved quality white glazed earthenware Lavatory basin 25" x 18" (625 mm x 450 mm) with 1/2" (15 mm) dia. single hole C.P. mixer tap, 2 way deluxe pillar tap, stop cocks, 6" C.I. or W.I. brackets built into walls, rubber plug, C.P. brass chain, C.P. brass waste, malleable iron or C.P. brass bottle trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.								
	S.I No. 23-23-b								
		1	1	-	-	-	1.00		
		Total				1.00	Each		
4	Providing and fixing Glazed 4" (100 mm) size 'P' trap including concrete chamber and C.I. grating.								
	S.I No. 23-42-b								
		1	1	-	-	-	1.00		
		Total				1.00	Each		

5	Providing and fixing C.I. floor trap 4" dia. inlet and outlet with C.I. grating of approved self cleaning design with screwed down grating with or without a vent arm with and including making requisite number of holes in walls, plinth and floor for pipe connection and making good with								
	S.I No. 23-9-b								
		1	1	-	-	-	1.00		
		Total					1.00	Each	
6	Providing and fixing superior quality C.P. bibcock 1/2" (12 mm) dia. of approved make.								
	S.I No. 23-34-a								
		1	2	-	-	-	2.00		
		Total					2.00	Each	
7	Providing and Installing Class B uPVC pipe 3" (75 mm) inner dia. IIL, Dadex or equivalent make registered with PSQCA in tubewell bore hole and/or laying, cutting, jointing and testing uPVC pipe lines in trenches. For Waste Water Pipe								
	S.I No. 25-20-a/i								
		1	1	50.00	-	-	50.00		
		Total					50.00	R.ft.	
8	Providing and Installing Class B uPVC pipe 4" (100 mm) inner dia. IIL, Dadex or equivalent make registered with PSQCA in tubewell bore hole and/or laying, cutting, jointing and testing uPVC pipe lines in trenches. For Soil Water Pipe								
	S.I No. 25-20-a/ii								
		1	1	50.00	-	-	50.00		
		Total					50.00	R.ft.	
9	Providing and fixing cement concrete gully trap 6" x 6" x 4" (150 x 150 x 100 mm) with C.I. cover and frame weighing not less than 10 kg. with 4" (100mm) outlet, complete with 4" (100mm) thick 1:2:4 cement concrete using 3/4" (19mm) crushed aggregate for bed and kerb, 1/2" (13mm) thick cement plaster 1:3, 12"x12"x18" deep inside dimension chamber with C.I. grating 6"x6" cover and frame 12"x12".								
	S.I No. 25-2-a								
		1	1	-	-	-	1.00		
		Total					1.00	Each	
10	Providing, laying, cutting, jointing, testing and disinfecting (15mm) PPRC pipe conforming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings, connnections and jointing material								
	S.I No. 27-47-a/i								
		1	1	80.00	-	-	80.00		

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**GOVERNMENT OF BALOCHISTAN
REPAIRING OF BHU GAWARAGI**

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ENGINEERS ESTIMATE

S. No	CSR ITEM NO	Description	NO	L	W	H/D	QTY:	UNIT	Rate Par UNIT (Rs)	Amount (Rs)
		Excavation								
1	3-21 Aii	Excavation in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m)								
		ii) in ordinary soil. (Building)								
		B Wall	1	200	3.0	3.0	1800.00			
		Isolated Footings	4	4.0	4.0	3.0	192.00			
				200			1992.00	C _{FT}		
		Plain and Reinforced Concrete								
2	14-3 b	providing and laying 4" (100 mm) thick sand cushion under floor.								
		B Wall	1	200	3.0		600.00			
		Isolated Footings	3	4	4.0		48.00			
				200			648.00	S _{FT}		
3	5-8 e	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19 mm) & down gauge in foundation including leveling, compacting and curing.								
		B Wall	1	200	4.0	0.25	200.00			
		Isolated Footings	3	4	4.0	0.25	12.00			
							212.00	C _{FT}		
		Steel Reinforcement								
4	5-65 a	Providing and fabricating and laying Tor steel grade 60 having yield strength equal to 60000 psi reinforcement for all kind of RCC work in foundation , plinth and ground floor including the cost of straightening , removal of rust , cutting bending , binding wastage and providing such overlap as are not shown on the drawings , the cost of building wire and precast 1:2:4 cement concrete spacer block or MS chairs for binding and holding the reinforcement in position is inclusive up to 5m (14.6 ft)								
		ii) Deformed bars (Grade-60)								
		IN FOUNDATION								
		Isolated Footings								
		M.BAR (4/8") Dia	3	10	4.67	0.473	68.48	KG		
		D.BAR (4/8") Dia	3	10	4.67	0.473	68.48	KG		
		Strip Footings								
		M.BAR (4/8") Dia	1	8	200.00	0.473	756.32	KG		
		RINGS (3/8") Dia @ 9"C/C	1	268	5.75	0.170	261.95	KG		
		COL 1 (Gate Columns With Slab)								
		M.BAR (4/8") Dia	4	8	16.50	0.473	249.59	KG		
		RINGS (3/8") Dia @ 6"C/C	4	34	9.82	0.170	227.31	KG		
		COL 3								
		M.BAR (4/8") Dia	25	4	16.50	0.473	779.96	KG		
		RINGS (3/8") Dia @ 6"C/C	25	34	2.83	0.170	409.42	KG		
		PLINTH BAND								
		M.BAR (4/8") Dia	1	4	200.00	0.303	242.40	KG		

		RINGS (3/8") Dia @ 9"C/C	1	268	2.75	0.170	125.28	KG		
							3189.17	KG		
							3.19	TON		
		Foundation Footing								
5	5-8 e	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19 mm) & down gauge in foundation including leveling, compacting and curing.								
		B Wall	1	200	3.00	1.50	900.00			
		Isolated Footings	3	4.00	4.00	1.50	72.00			
							972.00	C_{FT}		
		Column								
6	5-15-c	Providing and laying in situ cement concrete 1 : 1.5 : 3 cement concrete using crush stone using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in pillars and columns of any shape in foundation including compacting, curing, cost of form-work & its removal in basement and ground floor.								
		C-1 Step-1	3	1.50	1.50	1.00	6.75			
		C-1 Step-2	3	1.50	1.13	1.00	5.06			
		C-2 Step-1	25	0.75	1.50	1.00	28.13			
		C-2 Step-2	25	0.75	1.13	1.00	21.09			
							61.03	C_{FT}		
		Foundation Brick work								
7	11-3 b	Providing and laying first class solid burnt brick masonry 1:4 CM (Brick Strength :1800 psi- 2000 psi) including scaffolding, raking out joints and curing in foundation and substructure /Basement i/c cost of testing. Above 4.5" thick								
		Step-1	1	200.00	1.50	1.00	300.00			
		Step-2	1	200.00	1.13	1.00	225.00			
		Columns Deduction								
		C-1 Step-1	3	1.50	1.50	1.00	-6.75			
		C-1 Step-2	3	1.50	1.13	1.00	-5.06			
		C-2 Step-1	25	0.75	1.50	1.00	-28.13			
		C-2 Step-2	25	0.75	1.13	1.00	-21.09			
							463.97	C_{ft}		
		Plinth Beam								
8	5-49-a	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm.) and down gauge in plinth band , door band and roof band of required shape or section including formwork and its removal, compacting and curing in basement and ground floor but excluding the cost of reinforcement.								
		Plinth Beam	1	200.00	1.25	0.50	125.00			
							125.00	C_{FT}		
		Superstructure Brick Work								

9	11-12-b iii	Providing and laying first class solid burnt brick masonry 1:4 cm using Brick Strength: 1800 Psi- 2000 psi) including scaffolding, raking out joints and curing in ground floor superstructure and i/c cost of testing. Above 4.5" (115 mm) nominal thick brick work							
		Wall	1	200.00	0.75	10.00	1500.00		
		Diduction of Collumn							
		C1	3	1.50	0.75	10.00	-33.75		
		C2	25	0.75	0.75	12.00	-168.75		
		MAIN GATE	1	12.00	0.75	12.00	-108.00		
			1	4.00	0.75	12.00	-36.00		
							1153.50	C_{FT}	
		Plain and Reinforced Concrete							
10	5-27-a	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in precast shelves coping, cornices, eave boards, hood, fencing posts and manhole covers etc. including formwork & its removal, compacting and curing in ground floor.							
		Coping	1	200.00	0.75	0.25	37.50		
		Diduction of Collumn							
		C1	3	1.50	0.75	0.25	-0.84		
		C2	25	0.75	0.75	0.25	-3.52		
		MAIN GATE	1	12.00	0.75	12.00	-108.00		
			1	4.00	0.75	12.00	-36.00		
						TOTAL	-110.86	C_{FT}	
11	5-15-c	Providing and laying in situ cement concrete 1 : 1.5 : 3 cement concrete using crush stone using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in pillars and columns of any shape in foundation including compacting, curing, cost of form-work & its removal in basement and ground floor.							
		C1	3	1.50	1.50	13.00	87.75		
		C2	25	0.75	0.75	13.00	182.81		
						TOTAL	270.56	C_{FT}	
		Surface Rendering							
12	15-4 iii	1/2 inch (13mm) thick cement plaster using Coarse Sand 1:4 cement mortar ratio on external walls and olumns in basement, plinth and ground floor including making edges, corners with deep cut groves and curing.							
		Wall	2	200.00	-	11.00	4400.00		
							4400.00	S_{FT}	
		WEATHER SHIELD							
13	17-69- i	Applying weather resistant paint coating such as ICI weather shield,Berger weather coat or equivalent to interior or exterior walls or ceiling including supplying all labour, materials, scaffoldings and removal of debris etc. @ atleast 3.50 litre per 10 Sq.m.							
		Wall	2	200.00	-	11.00	4400.00		

							4400.00	S _{FT}		
TOTAL										

**GOVERNMENT OF BALOCHISTAN
REPAIRING OF BHU GAWARAGI**

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ENGINEERS ESTIMATE

DETAIL MEASUREMENT SHEET

S.NO	C.S.R No	DESCRIPTIONS	NO	MEASUREMENTS			TOTAL QTY	UNIT	RATE	AMOUNT
				L	B	H/D				
1	3-42 A iv	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock (i) The rate includes back filling after laying of sewer, which is payable separately Below 5 ft. to 10 ft. (1.5 m to 3.0 m) depth								
			1	8.00	8.00	7.00	448.00	CFT		
2	5-4-b	Providing and laying 1:4:8 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.								
			1	8.00	8.00	0.25	16.00	CFT		
3	5-12-a	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.								
			1	8.00	8.00	0.75	48.00	CFT		
4	11-3-b-3	Providing and laying first class solid burnt brick masonry (Brick Strength:1800 psi-2000 psi) including scaffolding, raking out joints and curing in foundation and substructure / Basement i/c cost of testing.								
			2	7.57	0.75	6.00	68.13	CFT		
			2	13.50	0.75	6.00	121.50	CFT		
			2	8.00	0.75	6.00	72.00	CFT		
						Total	261.63	CFT		
6	5-22-c	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in underground tank, septic tank and underground drain including formwork and its removal, compacting and curing. c) Top slab upto 6" (150 mm) thick								
			1	8.00	8.00	1.00	64.00	CFT		
6	5-65-a	Providing, fabricating and laying deformed Grade 60 steel reinforcement (deformed bar) for all kinds of R.C.C work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting, bending, binding, wastage and providing such over-laps as are not shown on the drawings. The cost of binding wire and cement concrete spacer blocks or chairs for binding and holding the reinforcement in position is inclusive upto 15 ft. (5m) height Extra on item 5-65 (a) for overhead tanks at a height of 30 ft. (10m)								
		FOUNDATION BED	35	7.50	1.042	2	547.05			
		"	25	8.50	1.042	2	442.85			
		SLAB	35	7.50	0.667	2	350.18			
			25	8.50	0.667	2	283.48			
							1623.55	LBS		
		CHANG INTO TONS	1	1623.55		2240	0.725	TON		
7	15-4-iii	19mm (3/4") thick cement plaster 1:4 cement mortar ratio on Internal wall and columns in basment plinth and ground floor including making edges cornor and curing.								
			2	8.00		5	80.00	SFT		

			4	8.00		5	160.00	SFT		
							240.00	SFT		
9	25-12-a	Providing and fixing step iron or foot rest in manhole chambers including setting to correct lines and levels. a) Angle iron 1.25" x 1.25" x 3/16" (32 mm x 32 mm x 5 mm)								
			1	4.00	1.00		4.00	Each		
10	13-16-a	Providing and fixing cast iron rain water pipe shoe, bend and offset including cost of clamps, holdfasts, bolts, nuts and painting a) 4 inches (100 mm) dia. shoe or bend or offset								
		internal vertical wall corners	1	4			4	NOS		
TOTAL in Rs.										