



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 (37-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-BALUCHISTAN)	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: 17th August 2026 & Till 11:00 A.M Venue: PPHI District Office Washuk.
OPENING OF TECHNICAL BIDS	Date: 17th 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-BALUCHISTAN , 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-BALUCHISTAN. 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 297-308
		2	Kohak Dasht	Attached at Pg.no 292-296
2	Awaran	1	BHU Shandi	Attached at Pg.no 245-256
		2	BHU Garai	Attached at Pg.no 61-81
		3	BHU Gilli	Attached at Pg.no 82-91
		4	BHU Dam Ali Muhammad	Attached at Pg.no 42-52
3	Awaran	1	BHU Goko Laksar	Attached at Pg.no 92-104
		2	BHU Arah	Attached at Pg.no 25-31
		3	BHU Waja Bhag	Attached at Pg.no 273-281
4	Awaran	1	BHU Koto	Attached at Pg.no 178-191
		2	BHU Kohro	Attached at Pg.no 168-177
5	Awaran	1	BHU Zoomdan Pirunder	Attached at Pg.no 282-291
		2	BHU Nagago	Attached at Pg.no 213-220
		3	BHU Dhal Bedi	Attached at Pg.no 53-60
6	Awaran	1	BHU Kahn e Zeeing	Attached at Pg.no 144-150
		2	BHU Kalaro	Attached at Pg.no 160-167
7	Awaran	1	BHU Teertij	Attached at Pg.no 257-272
		2	BHU Cherry Malar	Attached at Pg.no 32-41
		3	BHU Hore	Attached at Pg.no 116-129
8	Awaran	1	BHU Manguli	Attached at Pg.no 203-212
		2	BHU Parwar	Attached at Pg.no 221-230
9	Awaran	1	BHU Laaki	Attached at Pg.no 192-202
		2	BHU Jebri	Attached at Pg.no 130-143
10	Awaran	1	BHU Sham Mara	Attached at Pg.no 231-244
		2	BHU Gushunag	Attached at Pg.no 105-115

11	Awaran	1	BHU Kalathoo	Attached at Pg.no 151-159
12	Gawadar	1	BHU Sirdasht/Nokebur	Attached at Pg.no 354-358
		2	BHU Chakkuli	Attached at Pg.no 348-353
		3	BHU Shatangi	Attached at Pg.no 333-347
		4	BHU Kandasol	Attached at Pg.no 317-328
		5	BHU Saiji	Attached at Pg.no 329-332
		6	BHU Faqeer abad	Attached at Pg.no 309-316
13	Panjgur	1	BHU Khar Putt Essai	Attached at Pg.no 21-24
		2	BHU Dazi	Attached at Pg.no 19
		3	BHU Soruk	Attached at Pg.no 20
14	Washuk	1	BHU Gwaragi	Attached at Pg.no 377-395
		2	BHU Daali	Attached at Pg.no 359-376

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	8,134,629
		2	Kohak Dasht	2,253,351
2	Awaran	1	BHU Shandi	3,370,909
		2	BHU Garai	8,804,368
		3	BHU Gilli	3,454,970
		4	BHU Dam Ali Muhammad	5,159,211
3	Awaran	1	BHU Goko Laksar	5,470,892
		2	BHU Arah	1,955,329
		3	BHU Waja Bhag	3,381,445
4	Awaran	1	BHU Koto	6,641,856
		2	BHU Kohro	3,336,445
5	Awaran	1	BHU Zoomdan Pirunder	3,568,571
		2	BHU Nagago	3,691,181
		3	BHU Dhal Bedi	4,211,863
6	Awaran	1	BHU Kahn e Zeeing	3,204,190
		2	BHU Kalaro	3,349,752
7	Awaran	1	BHU Teertij	6,641,850
		2	BHU Cherry Malar	2,920,251
		3	BHU Hore	5,565,238
8	Awaran	1	BHU Manguli	3,326,852
		2	BHU Parwar	3,118,280
9	Awaran	1	BHU Laaki	4,869,385
		2	BHU Jebri	5,865,641
10	Awaran	1	BHU Sham Mara	5,574,778
		2	BHU Gushunag	3,418,545
11	Awaran	1	BHU Kalathoo	3,496,445
12	Gawadar	1	BHU Sirdasht/Nokebur	1,026,777
		2	BHU Chakkuli	1,139,380
		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		1	BHU Khar Putt Essai	3,348,283

	Panjgur	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)				143,934,497

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. _____

[illegible]

"BOQ BHU Soruk Panigoor " Repair and Renovation Works								
S.No	DESCRIPTION	Length (L)	Width (W)	Hieght (H)	QTY	UNIT	RATE	AMOUNT
1	Distempering							
	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)							
	BHU Building Exterior	55	45.00	12	5000			
						Sq.ft		
2	LED Lights				15	no		
3	Celing Fan				5	no		
4	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							
					2	Each		
	Shower set				3	No		
5	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, connnections and jointing material							
	PPR Pipe				300	ft.		
	Elbow (90 bend)				45	no		
	Elbow (45 bend)				30	no		
	Tee (T joint)				18	no		
	Ball Valve				2	no		
	Stop Cock				2	no		
	Pipe Clips				80	no		
	Elbow Brass				10	no		
	Union				16	no		
	Tee Brass				12	no		
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"							
	BHU Building	55	45.00	1"	2475	Sq.ft		
7	Touf Tile	60	30.00	1"	1800	Sq.ft		
8	Transportation							
	Total Estimated Cost							1,696,679.50
	Total Amount							

"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

REPAIR AND RENOVATION OF BHU ARAH DISTRICT AWARAN		
GENERAL ABSTRACT		
<i>S NO.</i>	<i>DESCRIPTION OF WORK</i>	<i>AMOUNT</i>
1	REPAIR AND RENOVATION OF BHU ARAH DISTRICT AWARAN	
2	CONSTRUCTION OF UNDER GROUND WATER TANK	
3	Total	
4	8%BRA	
<i>Total</i>		1955329

REPAIR AND RENOVATION OF BHU ARAH DISTRICT AWARAN													
S.No	Description	No	L	B/H						Qty		Rate	Amounte
1	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes												
	Porch	1	x	1	x	17.00	x	10.00	=	170.00	sft		
								Total		170.00	sft		
2	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.												
	Porch	1	x	1	x	17.00	x	10.00	=	170.00	sft		
								Total		170.00	sft		
3	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.												
	Room 1	1	x	1	x	16.25	x	12.50	=	203.13	sft		
	Room 2	1	x	1	x	16.00	x	12.00	=	192.00	sft		
	Store	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		
4	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.												
	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		

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													
	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			
6	providing and laying Roof Screeding thick using 3/4 (19mm) including form work consolidating finishing and curring.													
	Main Building	1	x	33.33	x			27.00		899.91	sft			
	Toilet Block	1	x	17.66	x			9.33		164.7678	sft			
7	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			
	Whole Building	1		40		25				1000.00	sft			
	Boundary Wall	1		70		60				4200.00				
								Total		5200.00				
8	painting on old surface on wood work withBerger /ICI or equivalent super gloss synthetic enmal paint on wood work.													
	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			
9	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.													
	Windows	5	x	5.00	x			5.00	=	125.00	sft			
								Total		125.00	sft			
SANITARY FITTING AND WATER SUPPLY														
10	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			
								Total		1	Nos			
11	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			
										1	Nos			
12	Providing and fixing squatting type water closet with integral treads ICL													

[illegible]

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									
		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									
		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.									
	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									
		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									
		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"									
		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.									
		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									
		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.									
		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.									
		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.									
		1	1	2.00		2.00	4.00	Sft		
						Total	4.00	Sft		
TOTAL										

AWARAN		
<u>GENERAL ABSTRACT</u>		
<i>S NO.</i>	<i>DESCRIPTION OF WORK</i>	<i>AMOUNT</i>
1	REPAIR & RENOVATION OF BHU BUILDING AND BOUNDARY WALL CHERI MALLAR	
2	CONSTRUCTION OF UNDER GROUND WATER TANK	
3	Total	
4	8%BRA	
5	Grand total	2920251

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.										
	CEILING										
	Room 1	1	x	16.25	x	12.50	=		203.13	sft	
	Room 2	1	x	16.00	x	12.00	=		192.00	sft	
	Room 3	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										
	Room 1	1	2	x	16.25	x	11.50	=	373.75	sft	
		1	2	x	12.50	x	11.50	=	287.50	sft	
	Room 2	1	2	x	16.00	x	11.50	=	368.00	sft	
		1	2	x	12.00	x	11.50	=	276.00	sft	
	Room 3	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	10.00	=	170.00	sft	
	Store	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	4703.91	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)			4703.91		189.50		Total	4514.41	sft	
2	Removing door with chowkat										
	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										
	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										
	Room 1	1	x	1	x	16.25	x	12.50	=	203.13	sft
	Room 2	1	x	1	x	16.12	x	1.50	=	24.18	sft
	Room 3	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	

[illegible]

	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.													
	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										4514.41	sft		
									Total		4514.4061			
13	painting on old surface on wood work withBerger /ICI or equivalent super gloss syenthetic enmal paint on wood work.													
	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.													
	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		
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.													
	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													
	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													

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		
								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		
								Total			4	point		
30	fixing fan to ceiling													
			1	x			4			=	4	point		
								Total			4	point		
31	supply and installation 20" (500 mm) sweep revolving bracket fan with guard													
			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	point		
								Total	=		2	point		
33	Supply and install Energy Saver electric bulbs 25W Philips energy save													
			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.													
			1	x			1				1			
								Total	=		1	Nos		
35	Supply and install Electric motors with pump including all accessories.													
36			1	x			1				1			
								Total	=		1	point		
37	Supply and install 35 gallons electric geyser													
			1	x			1				1			
								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													
			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													
			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, connnections and jointing material													
			1	x			100				100			
								Total	=		100	Rft		

41	Repaire of 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 as per direction of the Engineer Incharge.													
			1							1	Job			
	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									
		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									
		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.									
	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									
		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									
		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"									
		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.									
		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									
		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.									
		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.									
		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.									
		1	1	2.00		2.00	4.00	Sft		
					Total	4.00	Sft			
TOTAL										

REPAIR AND RENOVATION OF BHU DAMB ALI MOHD DISTRICT AWARAN		
GENERAL ABSTRACT		
<i>S NO.</i>	<i>DESCRIPTION OF WORK</i>	<i>AMOUNT</i>
1	REPAIR & RENOVATION OF BHU DAMB ALI MOHD	
2	CONSTRUCTION OF BOUNDARY WALL 320 RFT	
3	CONSTRUCTION OF UNDER GROUND WATER TANK	
4	Total	
5	8%BRA	
6	Grand Total	5159211

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

S.No	Description	No	L	B/H	Qty	Rate	Amounte
1	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes						
	Room 1	1	x	16.25	x	12.50	= 203.13 sft
	Room 2	1	x	16.12	x	1.50	= 24.18 sft
	Room 3	1	x	12.50	x	6.00	= 75.00 sft
	Porch	1	x	17.00	x	10.00	= 170.00 sft
	Toilets & Bath	1	x	5.00	x	4.00	= 40.00 sft
	Wash Area	1	x	4.33	x	5.66	= 24.51 sft
	Total					536.81	sft
2	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.						
	Room 1	1	x	16.25	x	12.50	= 203.13 sft
	Room 2	1	x	16.00	x	12.00	= 192.00 cft
	Room 3	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
3	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 conforming to B.S.S.1245, treated with special primer base paint all round, fitted with six fixinglugs, 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.						
	(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
4	providing and fixing first class deodar wooddeodar wood shutter fully panelled with same wood and fixed with approved brass hinges and tower bolts						
	Door 1	1		3.5		7	24.5
	Door 2	1		5		7	35
	Total						59.50 Sft
5	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.						
		1		5		5	25.00 Sft
							25.00 Sft

6	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.													
			8		5		5				200.00			
											200.00	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.													
	Room 1		1	x	1	x	16.25	x	12.50	=	203.13	sft		
	Room 2		1	x	1	x	16.00	x	12.00	=	192.00	sft		
	Room 3		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		
8	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.													
	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		
9	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													
	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		
10	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								1	No		
	Total											RS.		

CONSTRUCTION OF BOUNDARY WALL 320 RFT FOR BHU DAMB ALI MOHD 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									
	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									
	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									
	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.									
	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									
	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									
	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.									
	PLINTH BAND CONCRETE									
	BOUNDARY 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									
	Wall in super structure									
	BOUNDARY 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		

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 excavated earth watering and ramming lead up to 30 m									
		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									
		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.									
	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									
		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									
		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"									
		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.									
		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									
		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.									
		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.									
		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.									
		1	1	2.00		2.00	4.00	Sft		
						Total	4.00	Sft		
TOTAL										

REPAIR AND RENOVATION OF BHU DHULL BEEDI DISTRICT 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	Total	
5	8% BRA	
	Grand Total	4211863

**CONSTRUCTION OF BOUNDARY 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									
	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									
	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									
	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.									
	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									
	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									
	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.									
	PLINTH BAND CONCRETE									
	BOUNDARY 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									
	Wall in super structure									
	BOUNDARY 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									
	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.								
	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								
	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.								
	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									
		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									
		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.									
	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									
		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									
		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"									
		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.									
		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									
		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.									
		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.									
		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.									
		1	1	2.00		2.00	4.00	Sft		
					Total		4.00	Sft		
TOTAL										

AWARAN		
GENERAL ABSTRACT		
S NO.	DESCRIPTION OF WORK	AMOUNT
1	BHU GARAI JHAOO	
2	CONSTRUCTION OF 2 ADDITIONAL ROOMS	
3	CONSTRUCTION OF BOUNDRY WALL 250 RFT	
4	CONSTRUCTION OF UNDER GROUND WATER TANK	
5	Total	
6	8% BRA	
7	Grand Total	8804368

REPAIR AND RENOVATION OF BHU GARAI JAHOO DISTRICT AWARAN.													
S.N	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.												
	CEILLING												
	Room 1		1	x	16.25	x	12.50		=		203.13	sft	
	Room 2		1	x	16.00	x	12.00		=		192.00	sft	
	Porch		1	x	17.00	x	10.00		=		170.00	sft	
	Walls												
	Room 1	1	2	x	16.25	x	11.50		=		373.75	sft	
	Room 2	1	2	x	12.50	x	11.50		=		287.50	sft	
	Ward	1	2	x	17.00	x	10.00		=		340.00	sft	
	Columns	1	2	x	3.32	x	7.50		=		49.80	sft	
								Total A			1616.18	sft	
	Deuction												
	D		1	x	2	x	3.50	x	7.00	=	49.00	sft	
	D2		1	x	1	x	3.00	x	7.00	=	21.00	sft	
	W		2	x	5	x	4.00	x	4.00	=	160.00	sft	
	v		2	x	2	x	1.50	x	1.50	=	9.00	sft	
								Total B			239.00	sft	
	Net Quantity(A---B)				1616.18		239.00		Total		1377.18	sft	
2	Removing door with chowkat												
	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	
3	Removing Windows with chowkat												
	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												
	Room1		1	x	1	x	16.25	x	12.50	=	203.13	sft	
	Room2		1	x	1	x	16.12	x	1.50	=	24.18	sft	
	Room3		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			472.31	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.													
	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			
11	providing and laying Roof Screeding 2" thick using 3/4 (19mm) including form work consolidating finishing and curing.													
	Main Building	1	x	33.33	x			27.00		899.91	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.							Total		899.91	sft			
	Same Quantity of item no.1									1377.18	sft			
								Total		1377.175				
13	painting on old surface on wood work with Berger /ICI or equivalent super gloss syenthetic enmal paint on wood work.													
	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													
	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			
										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.													
	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			
							Total			70.00	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		
21	Providing and fixing squatting type water closet with integral												
			1	x			2		=	2	Nos		
								Total		2	Nos		
26	providing laying cutting jointing and												

	disinfecting G.I													
	Pipe lill make or equavilient.													
		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													
		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.													
		1	x			4		=	4	point				
							Total		4	point				
30	fixing fan to ceiling													
		1	x			4		=	4	point				
							Total		4	point				

31	supply and installation 20" (500 mm) sweep revolving bracket fan with guard													
			1	x			2		Total	=	2	point		
											2	point		
32	Supply and install 10" (250 mm) sweep exhaust fan including plastic													
			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		
34	Providing and fixing LDPE overhead tank manufactured by Dura or equivalent on top of any floor louvers.													
			1	x			1				1			
								Total	=		1	Nos		
35	Supply and install Electric motors with pump including all accessories.													
36														
			1	x			1				1			
								Total	=		1	point		
38	R.C.C pipe with bell & spigot or tongued & grooved joint conforming to ASTM C-76 class II wall B													
			1	x			50				50			
								Total	=		50	Rft		
39	Providing manhole type 'A' size 24" x 18" (inside dimensions) as per approved design													
			1	x			3				3			
								Total	=		3	Rft		
40	Providing, laying, cutting, jointing, testing and disinfecting PPRC pipes													
			1	x			100				100			
								Total	=		100	Rft		

	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							1	No			
	Total											RS.		

New room								
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)							
	L.R Building Footing	217	2.5	2	1085			
					1085	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.							
	L.R Building Footing	217	2.5	0.250	135.63			
					135.63	Cu.ft		
3	Brick masonry							
	Providing and laying first class solid burnt brick masonry cement sand 1 : 4 (Brick Strength: 1800psi- 2000psi) including scaffolding, raking out joints and curing in ground floor superstructure and i/c cost of testing							
	13.5" brick masonry	217	1.125	2	488.25			
					488.25	Cu.ft		
	9" brick masonry	217	0.75	10	1627.5			
					1627.5	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.							
	L.R Building				780			
					780	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 (14Nos)	14	5		980			
	T iron (60Nos)	12	0.623		448.56			
					1428.56	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							
	L.R Building				780			
					780	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.						
	L.R Building interior				2160		
	L.R Building exterior				1800		
					3960	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.						
	rooms-1	14	12	0.50	84		
	rooms-2	16	14	0.50	112		
	washroom-1	8	6	0.50	24		
	washroom-2	8	6	0.50	24		
	verandah	29	10	0.50	145		
					389	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 bolt 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.						
	Rooms	7	3		34		
	washrooms	7	2.5		33		
					67	Rft	
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						
	2 Rooms	7	3		42		
	2 washroom	7	2.5		35		
					77	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		6		
					54	Sft	
12	Ceiling Fans				2	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						
					20	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						
	Room-1	14	12	11	740		
	Room-2	16	14	11	884		
	Washroom-1	8	6	11	356		
	Washroom-2	8	6	11	356		
	verandah	29	10	11	829		
					3165	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.						
	L.R Building exterior	150		12	1800		
					1800	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.						
	Labor Room Walls upto 4ft	16	14	4	464		
	washroom	8	6	6	432		
					896	Sft	
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	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				250	ft.	
13	Wash Basins						
	Providing and fixing approved quality fixtures Wash basin 24" (610 mm) ICL Futura make				2	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.				2	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.				150	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	Water Pumping Machine						
	Donkey Pump 2900 RPM 2 HP				1	Each	
18	Washroom Assories set				2	each	
	Total Amount						-

**CONSTRUCTION OF BOUNDARY WALL 250 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									
	BOUNDARY 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									
	BOUNDARY 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									
	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 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.									
	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.									
	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									
	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.									
	PLINTH BAND CONCRETE									
	BOUNDARY 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.									
	Wall in super structure									
	BOUNDARY 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									
	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.									
	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									
	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									
	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									
		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									
		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.									
	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									
		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									
		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"									
		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.									
		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									
		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.									
		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.									
		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.									
		1	1	2.00		2.00	4.00	Sft		
					Total		4.00	Sft		
TOTAL										

REPAIR AND RENOVATION OF BHU GILLI JAHOO DISTRICT AWARAN		
GENERAL ABSTRACT		
<i>S NO.</i>	<i>DESCRIPTION OF WORK</i>	<i>AMOUNT</i>
1	REPAIR AND RENOVATION OF BHU GILLI JAHOO DISTRICT AWARAN	
2	CONSTRUCTION OF UNDER GROUND WATER TANK	
3	Total	
4	8% BRA	
5	Grand Total	3454970

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.												
									0				
	CEILING												
	Room 1	1	x	16.25	x	12.50		=		203.13	sft		
	Room 2	1	x	16.00	x	12.00		=		192.00	sft		
	Store	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												
	Room 1	1	2	x	16.25	x	11.50		=	373.75	sft		
		1	2	x	12.50	x	11.50		=	287.50	sft		
	Room 2	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		
	Store	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												
	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												
	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												
	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.												
	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 byShahah Industries or equivalent standard conforming to B.S.S.1245, treated with special primer base paint all												

	(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.													
	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.													
	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.													
	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.													
	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.													
	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													

		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.												
		1	x			1				1			
							Total	=		1	Nos		
35	Supply and install Electric motors with pump including all accessories.												
36													
							Total	=		1	point		
37	Supply and install 35 gallons electric geyser												
							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												
		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 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,												
		1	x			3				3			
							Total	=		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, connnections and jointing material												
		1	x			100				100			
							Total	=		100	Rft		
41	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								1	No		
											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									
		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									
		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.									
	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									
		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									
		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"									
		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/aiai									
		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									
		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.									
		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.									
		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.									
		1	1	2.00		2.00	4.00	Sft		
					Total		4.00	Sft		
TOTAL										

REPAIR AND RENOVATION OF BHU GOKO JAHOO DISTRICT AWARAN		
GENERAL ABSTRACT		
<i>S NO.</i>	<i>DESCRIPTION OF WORK</i>	<i>AMOUNT</i>
1	REPAIR AND RENOVATION OF BHU GOKO JAHOO DISTRICT AWARAN	
2	CONSTRUCTION OF BOUNDARY WALL 250 RFT	
3	CONSTRUCTION OF UNDER GROUND WATER TANK	
4	Total	
5	8% BRA	
6	Grand Total	5470892

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.								
	CEILING								
	Room 1	1	x	16.25	x	12.50	= 203.13 sft		
	Room 2	1	x	16.00	x	12.00	= 192.00 sft		
	Store	1	x	12.50	x	6.00	= 75.00 sft		
	Verandah	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								
	Room	1	2	x	16.25	x	11.50	= 373.75 sft	
		1	2	x	12.50	x	11.50	= 287.50 sft	
	Room 2	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	
	Verandah	1	1	x	17.00	x	8.50	= 144.50 sft	
	Verandah	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								
	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								
	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								
	Room 1	1	x	1	x	16.25	x	12.50	= 203.13 sft
	Room 2	1	x	1	x	16.12	x	1.50	= 24.18 sft
	Store	1	x	1	x	12.50	x	6.00	= 75.00 sft
	Verandah	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.								

	Room 1		1	x	16.25	x	12.50		=	203.13	sft			
	Room 2		1	x	16.00	x	12.00	x	=	192.00	cft			
	Store		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 conforming to B.S.S.1245,													
	(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.													
	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.													
	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													
	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.													
	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 surfac including cleanding and ICI or equvalint on plastered rendered or sand preparing the surfac.							Total		1064.6778	sft			

31	supply and installation 20" (500 mm) sweep revolving bracket fan with guard																		
			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								
									Total	=	2	point							
33	Supply and install Energy Saver electric bulbs 25W Philips energy save																		
			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.																		
			1	x			1				1								
									Total	=	1	Nos							
35	Supply and install Electric motors with pump including all accessories.																		
36									Total	=	1	point							
37	Supply and install 35 gallons electric geyser																		
									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																		
			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 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,																		
			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, connnections and jointing material																		
			1	x			100				100								
									Total	=	100	Rft							

41	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								1	No		
	Total											RS.		

**CONSTRUCTION OF BOUNDRY WALL 250 RFT FOR BHU GOKO 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								
	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 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								
	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 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								
	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 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.								
	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								
	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									
	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.									
	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									
	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									
	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.									
	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									
	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.									
	M. GATE		1				1.00	No		
	SIDE GATE		1				1.00	No		
						Total	2.00			
										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									
		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									
		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.									
	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									
		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"									
		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.									
		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									
		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.									
		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.									
		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.									
		1	1	2.00		2.00	4.00	Sft		
					Total		4.00	Sft		
TOTAL										

REPAIR AND RENOVATION OF BHU GOSHANAG DISTRICT 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	
3	Total	
4	8% BRA	
5	Grand Total	3418545

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.												
									0				
	CEILLING												
	Room 1	1	x	16.25	x	12.50		=		203.13	sft		
	Room 2	1	x	16.00	x	12.00		=		192.00	sft		
	Room 3	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												
	Room 1	1	2	x	16.25	x	11.50	=		373.75	sft		
		1	2	x	12.50	x	11.50	=		287.50	sft		
	room 2	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												
	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												
	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												
	Room 1	1	x	1	x	16.25	x	12.50	=	203.13	sft		
	Room 2	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.												
	Room 1	1	x	16.25	x	12.50			=	203.13	sft		
	Room 2	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 byShahah												

	Industries or equivalent standard												
	(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.													
	Room 1	1	x	1	x	16.25	x	12.50	=	203.13	sft			
	Room 2	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.													
	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 withBerger /ICI or equivalent super gloss sythetic enmal paint on wood work.													
	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.													
	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													

									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													
									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													
		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 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,													
		1	x				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													
		1	x				100		Total	=	100	Rft		
								Total	=		100	Rft		
													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									
		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									
		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.									
	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									
		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									
		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"									
		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.									
		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									
		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.									
		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.									
		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.								
		1	1	2.00		2.00	4.00	Sft	
						Total	4.00	Sft	
TOTAL									

AWARAN		
GENERAL ABSTRACT		
<i>S NO.</i>	<i>DESCRIPTION OF WORK</i>	<i>AMOUNT</i>
1	REPAIR & RENOVATION OF BHU HOOR GISHKOR	
2	CONSTRUCTION OF BOUNDARY WALL 250 RFT	
3	CONSTRUCTION OF UNDER GROUND WATER TANK	
4	Total	
5	8% BRA	
6	Grand Total	5565238

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.												
	CEILLING												
	Room 1		1	x	16.25	x	12.50		=	203.13	sft		
	Room 2		1	x	16.00	x	12.00		=	192.00	sft		
	Room 3		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												
	Room	1	2	x	16.25	x	11.50		=	373.75	sft		
		1	2	x	12.50	x	11.50		=	287.50	sft		
	room2	1	2	x	16.00	x	11.50		=	368.00	sft		
		1	2	x	12.00	x	11.50		=	276.00	sft		
	Room 3	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												
	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												
	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												
	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.												
	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 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 bolt 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.												
	(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.												
	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												
	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.												

[illegible]

[illegible]

			1	x		6							
								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.									6	point		
			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.												
			1	x		4			=	4	point		
								Total		4	point		
30	fixing fan to ceiling												
			1	x		4			=	4	point		
								Total		4	point		
31	supply and installation 20" (500 mm) sweep revolving bracket fan with guard												
			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			
								Total	=	2	point		
33	Supply and install Energy Saver electric bulbs 25W Philips energy save												
			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.												
			1	x		1				1	Nos		
								Total	=	1			
35	Supply and install Electric motors with pump including all accessories.												
36													
								Total	=	1	point		
37	Supply and install 35 gallons electric geyser												
								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												
			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												

[illegible]

CONSTRUCTION OF BOUNDARY WALL 250 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									
	BOUNDARY 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									
	BOUNDARY 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									
	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 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.									
	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									
	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									
	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.									
	PLINTH BAND CONCRETE									
	BOUNDARY 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									
	Wall in super structure									
	BOUNDARY 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									
	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.								
	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								
	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.								
	M. GATE		1				1.00	No	
	SIDE GATE		1				1.00	No	
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									
		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									
		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.									
	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									
		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									
		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"									
		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.									
		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									
		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.									
		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.									
		1	1	2.00		2.00	4.00	Sft		
					Total		4.00	Sft		
TOTAL										

AWARAN		
GENERAL ABSTRACT		
S NO.	DESCRIPTION OF WORK	AMOUNT
1	REPAIR & RENOVATION OF BHU JEBRI MASHKAY	
2	CONSTRUCTION OF BOUNDARY WALL 250 RFT	
3	CONSTRUCTION OF UNDER GROUND WATER TANK	
4	Total	
5	8% BRA	
6	Grand Total	5865641

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.						
CEILLING							
Room 1		1	x	16.25	x	12.50	= 203.13 sft
Room 2		1	x	16.00	x	12.00	= 192.00 sft
Room 3		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							
Room 1		1	2	x	16.25	x	11.50 = 373.75 sft
		1	2	x	12.50	x	11.50 = 287.50 sft
Room 2		1	2	x	16.00	x	11.50 = 368.00 sft
		1	2	x	12.00	x	11.50 = 276.00 sft
Room 3		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						
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						
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	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.						
Rooms							2646.00 sft
Outer Side		2		34.00	x	45.00	3060.00 sft
Total							5706.00 Sft
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes						
Room 1		1	x	1	x	16.25	x 12.50 = 203.13 sft
Room 2		1	x	1	x	16.12	x 1.50 = 24.18 sft
Room 3		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.									
	Room 1									
	Room 2	1	x	16.25	x	12.50		=	203.13	sft
	Room 3	1	x	16.00	x	12.00	x	=	192.00	cft
	Room 3	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									
	(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.									
	Room 1	1	x	1	x	16.25	x	12.50	=	203.13 sft
	Room 2	1	x	1	x	16.00	x	12.00	=	192.00 sft
	Room 3	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.									
	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									
	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.									
	Main Building	1	x	33.33	x		27.00		899.91	sft

12	Toilet Block providing on old surface of wall with Berger concrete surface including cleanding and ICI or equvalint on plastered rendered or sand preparing the surfac.	1	x	17.66	x	9.33		164.7678	sft
						Total		1064.6778	sft
	Same Quantity of item no.1							4488.91	sft
						Total		4488.9061	
13	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.	1		80		12		960	Sft
13	painting on old surface on wood work with Berger /ICI or equivalent super gloss sythetic enmal paint on wood work.								
	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.								
	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
								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.								
	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								
	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
						1	Nos
20	providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with screw.						
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.	1	x	2	=	2	Nos
				Total		2	Nos
22	providing and fixing approved make plastic accessories.						
25	providing and fixing approved quality bib cock	1	x	2	=	2	Nos
				Total		2	Nos
26	providing laying cutting jointing and disinfecting G.I Pipe lill make or equavilient.	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	
				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	
				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	
				Total		4	point	
30	fixing fan to ceiling	1	x	4	=	4	point	
				Total		4	point	
31	supply and installation 20" (500 mm) sweep revolving bracket fan with guard	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		
				Total	=	2	point	
33	Supply and install Energy Saver electric bulbs 25W Philips energy save	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.	1	x	1		1	Nos	
				Total	=	1	Nos	
35	Supply and install Electric motors with pump including all	36						
36	accessories.							
				Total	=	1	point	
37	Supply and install 35 gallons electric geyser							
				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	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 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, channels and benching including making requisite number of main and branch channels but excluding the

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

1 x

100

100

Total	=	100	Rft
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- 41 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

Total

1

No

RS.

CONSTRUCTION OF BOUNDARY WALL 250 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									
	BOUNDARY 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									
	BOUNDARY 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									
	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 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.									
	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									
	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									
	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.									
	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									
	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									
	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.								
	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								
	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.								
	M. GATE		1			1.00	No		
	SIDE GATE	1	1			1.00	No		
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									
		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									
		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.									
	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									
		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									
		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"									
		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.									
		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									
		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.									
		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.									
		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.									
		1	1	2.00		2.00	4.00	Sft		
					Total		4.00	Sft		
TOTAL										

AWARAN		
S NO.	DESCRIPTION OF WORK	AMOUNT
1	CONSTRUCTION OF BOUNDRY WALL 250 RFT	
2	CONSTRUCTION OF UNDER GROUND WATER TANK	
3	Total	
4	8% BRA	
5	Grand Total	3204190

**CONSTRUCTION OF BOUNDARY WALL 250 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 execavted earth watering and ramming lead up to 30 m lift up to 1.5m								
	BOUNDARY 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								
	BOUNDARY 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								
	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.								
	BOUNDARY 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								
	BOUNDARY 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									
	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.									
	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									
	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		

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									
		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									
		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.									
	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									
		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									
		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"									
		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.									
		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									
		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.									
		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.									
		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.									
		1	1	2.00		2.00	4.00	Sft		
						Total	4.00	Sft		
TOTAL										

REPAIR AND RENOVATION OF BHU KALATO DISTRICT AWARAN		
<u>GENERAL ABSTRACT</u>		
<i>S NO.</i>	<i>DESCRIPTION OF WORK</i>	<i>AMOUNT</i>
1	REPAIR AND RENOVATION OF BHU KALATO DISTRICT AWARAN	
2	CONSTRUCTION OF UNDER GROUND WATER TANK	
3	Total	
4	8% BRA	
5	Grand Total	3496445

DETAIL ESTIMATE FOR REPAIR AND RENOVATION OF BHU kalatho 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.										
	CEILING										
	Room 1	1	x	16.25	x	12.50	=	203.13	sft		
	Room 2	1	x	16.00	x	12.00	=	192.00	sft		
	Room 3	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										
	Room 1	1	2	x	16.25	x	11.50	=	373.75	sft	
		1	2	x	12.50	x	11.50	=	287.50	sft	
	Room 2	1	2	x	16.00	x	11.50	=	368.00	sft	
		1	2	x	12.00	x	11.50	=	276.00	sft	
	Room 3	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										
	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										
	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	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.										
	Rooms							2646.00	sft		
	Outer Side	2		34.00	x	45.00		3060.00	sft		
							Total	5706.00	Sft		
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes										
	Room 1	1	x	1	x	16.25	x	12.50	=	203.13	sft
	Room 2	1	x	1	x	16.12	x	1.50	=	24.18	sft
	Room 3	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.																			
	Room 1																			
	Room 2		1	x	16.25	x	12.50			=	203.13	sft								
	Room 3		1	x	16.00	x	12.00	x		=	192.00	cft								
	Room 3		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 byShahah Industries or equivalent standard																			
	(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.																			
	Room 1		1	x	1	x	16.25	x	12.50	=	203.13	sft								
	Room 2		1	x	1	x	16.00	x	12.00	=	192.00	sft								
	Room 3		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.																			
	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																			
	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.																			
	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								

		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												
		1	x		1				=	1	Nos		
										1	Nos		
20	providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with screw.												
	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 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		
								Total		2	Nos		
22	providing and fixing approved make plastic accessories.												
25	providing and fixing approved quality bib cock												
		1	x		2				=	2	Nos		
								Total		2	Nos		
26	providing laying cutting jointing and disinfecting G.I Pipe lill make or equavilient.												
		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		
								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		
								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		
						Total			4	point		
30	fixing fan to ceiling	1	x		4			=	4	point		
						Total			4	point		
31	supply and installation 20" (500 mm) sweep revolving bracket fan with guard											
		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			
						Total		=	2	point		
33	Supply and install Energy Saver electric bulbs 25W Philips energy save	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.	1	x		1				1			
						Total		=	1	Nos		
35	Supply and install Electric motors with pump including all accessories.											
36												
						Total		=	1	point		
37	Supply and install 35 gallons electric geyser											
						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	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 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, channels and benching including making requisite number of main and branch channels but excluding the	1	x		3				3			
						Total		=	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, connections and jointing material											

		1	x			100				100			
							Total	=	100	Rft			
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.												
							No		1				
							No						
	M. GATE	1							1	No			
	SIDE GATE	1							1	No			
41	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							1	No			
	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								
		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								
		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.								
	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=	#####	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								
		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								
		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"									
		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									
		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.									
		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.									
		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.									
		1	1	2.00		2.00	4.00	Sft		
						Total	4.00	Sft		
TOTAL										

AWARAN		
<u>GENERAL ABSTRACT</u>		
<i>S NO.</i>	<i>DESCRIPTION OF WORK</i>	<i>AMOUNT</i>
1	CONSTRUCTION OF BOUNDARY WALL 250 RFT	
2	CONSTRUCTION OF UNDER GROUND WATER TANK	
3	Total	
4	8% BRA	
5	Grand Total	3349752

**CONSTRUCTION OF BOUNDARY WALL 250 RFT FOR BHU KALLARO
DISTRICT AWARAN**

COST ESTIMATE

S. No	DESCRIPTION	No	MEASUREMENT			QTY	UNIT	RATE	AMOUNT
			L	B	H/D				
1	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.								
	Whole Building								
		2	40	50.00	12.00	2160.00			
						2160.00	Sft		
	CIVIL WORKS								
2	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								
	BOUNDARY 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	
3	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								
	BOUNDARY 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	
4	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								
	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		
5	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.									
	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		
6	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									
	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		
7	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									
	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		
8	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.									
	PLINTH BAND CONCRETE									
	BOUNDARY 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		
9	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									
	Wall in super structure									
	BOUNDARY 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		
10	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									
	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.								
	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, scaffolding and removal of debris etc. @ atleast 3.50 litre per 10								
	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.								
	M. GATE		1				1.00	No	
	SIDE GATE		1				1.00	No	
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									
		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									
		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.									
	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									
		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									
		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"									
		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.									
		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									
		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.									
		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.								
		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.								
		1	1	2.00		2.00	4.00	Sft	
					Total	4.00	Sft		
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	Total	
4	8% BRA	
5	Grand Total	
		3336445

DETAIL ESTIMATE FOR 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.											
	CEILLING											
	Room 1	1	x	16.25	x	12.50	= 203.13 sft					
	Room 2	1	x	16.00	x	12.00	= 192.00 sft					
	Room 3	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											
	Room 1	1	2	x	16.25	x	11.50	= 373.75 sft				
		1	2	x	12.50	x	11.50	= 287.50 sft				
	Room 2	1	2	x	16.00	x	11.50	= 368.00 sft				
		1	2	x	12.00	x	11.50	= 276.00 sft				
	Room 3	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											
	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											
	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	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.											
	Rooms						2646.00	sft				
	Outer Side	2		34.00	x	45.00		3060.00	sft			
							Total	5706.00	Sft			
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes											
	Room 1	1	x	1	x	16.25	x	12.50	= 203.13 sft			
	Room 2	1	x	1	x	16.12	x	1.50	= 24.18 sft			
	Room 3	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.														
	Room 1														
	Room 2		1	x	16.25	x	12.50		=	203.13	sft				
	Room 3		1	x	16.00	x	12.00	x	=	192.00	cft				
	Room 3		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														
	(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.														
	Room 1		1	x	1	x	16.25	x	12.50	=	203.13	sft			
	Room 2		1	x	1	x	16.00	x	12.00	=	192.00	sft			
	Room 3		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.														
	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														
	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.														
	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 surface 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	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.													
			1		80				12		960	Sft		
13	painting on old surface on wood work with Berger /ICI or equivalent super gloss sythetic enmal paint on wood work.													
	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.													
	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		
											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.													
	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													
	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													

[illegible]

			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.												
			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.												
			1	x		4			=	4	point		
								Total		4	point		
30	fixing fan to ceiling												
			1	x		4			=	4	point		
								Total		4	point		
31	supply and installation 20" (500 mm) sweep revolving bracket fan with guard												
			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			
								Total	=	2	point		
33	Supply and install Energy Saver electric bulbs 25W Philips energy save												
			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.												
			1	x		1				1	Nos		
								Total	=	1			
35	Supply and install Electric motors with pump including all accessories.												
36													
								Total	=	1	point		
37	Supply and install 35 gallons electric geyser												
								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												
			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, channels and benching including making requisite number of main and branch channels but excluding the												
		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												
		1	x			100				100			
								Total	=	100	Rft		
41	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								1	No		
												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								
		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								
		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.								
	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								
		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								
		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"									
		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.									
		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									
		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.									
		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.									
		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.									
		1	1	2.00		2.00	4.00	Sft		
						Total	4.00	Sft		
TOTAL										

AWARAN		
GENERAL ABSTRACT		
S NO.	DESCRIPTION OF WORK	AMOUNT
1	BHU KOTO JHAOO	
2	CONSTRUCTION OF BOUNDRY WALL 250 RFT	
3	CONSTRUCTION OF UNDER GROUND WATER TANK	
4	Total	
5	8% BRA	
6	Grand Total	6641856

DETAIL ESTIMATE FOR REPAIR AND RENOVATION JAHOO DISTRICT AWARAN.

S.No	Description	No	L	B/H	Qty	Rate	Amounte
2	Removing door with chowkat						
	Main Building	1	x	2	x	3.50	7.00 = 49.00 sft
	Toilet Block	1	x	1	x	3.00	7.00 = 21.00 sft
		1	x	2	x	2.50	7.00 = 35.00 sft
						Total	105.00 sft
3	Removing Windows with chowkat						
	w	1	x	4	x	4.00	4.00 = 64.00 sft
	v	1	x	1	x	1.50	1.50 = 2.25 sft
						Total	66.25 sft
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes						
	Room 1	8	x	1	x	16.25	12.50 = 1625.00 sft
	Porch	1	x	1	x	17.00	10.00 = 170.00 sft
	Toilets & Bath	1	x	2	x	5.00	4.00 = 40.00 sft
	Wash Area	1	x	1	x	4.33	5.66 = 24.51 sft
						Total	1859.51 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.						
	Room	8	x	16.25	x	12.50	= 1625.00 sft
	Toilets	2	x	5.00	x	4.00	= 40.00 cft
	Wash Area	1	x	4.33	x	5.66	= 24.51 cft
						Total	1689.51 sft
6	Providing and fixing moulded steel door frame of approved profile, manufactured from						
	(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.						
	Room	8	x	1	x	16.25	12.50 = 1625.00 sft
	Porch	1	x	1	x	17.00	10.00 = 170.00 sft
						Total	1795.00 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.												
	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												
	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		
13	painting on old surface on wood work with Berger /ICI or equivalent super gloss syenthetic enmal paint on wood work.												
	D	8	x		x	3.50	x	7.00	=	196.00	sft		
	D1	1	x		x	5.00	x	7.00	=	35.00	sft		
	D2	2	x		x	2.50	x	7.00	=	35.00	sft		
								Total		266.00	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												
	Windows	6	x	4.00	x		4.00	=	96.00	sft			
							Total		96.00	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	6	x	5.00	x		5.00	=	150.00	sft			
									150.00	sft			
	Conversion in Kg	150		x		3.5	Total		525.00	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 inch as approved design.												
	Windows	6	x	5.00	x		5.00	=	150.00	sft			
							Total		150.00	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												
	Doors	8	x			3.50	x	7.00	=	196.00	sft		
	Doors	1	x			5.00	x	7.00	=	35.00	sft		
	Doors	2	x			2.50	x	7.00	=	35.00	sft		
							Total		266.00	sft			
18	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												
		8		16.5		12.5		10.00		2230.00			

	pipes confirming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings, connnections and jointing material												
			1	x		100				100			
							Total	=	100	Rft			
											RS.		

**CONSTRUCTION OF BOUNDARY WALL 250 RFT FOR BHU KOTO 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 excavted earth watering and ramming lead up to 30 m lift up to 1.5m								
	BOUNDARY 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 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								
	BOUNDARY 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 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								
	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 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.								
	BOUNDARY 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								
	BOUNDARY 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								
	BOUNDARY 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									
	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.									
	PLINTH BAND CONCRETE									
	BOUNDARY 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									
	Wall in super structure									
	BOUNDARY 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									
	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.									
	BOUNDARY 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									
	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 (.75 x .75) 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									
	M. GATE		1				1.00	No		
	SIDE GATE		1				1.00	No		
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 execcavted earth watering and ramming lead up to 30 m lift up to 1.5m								
		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								
		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.								
	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								
		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								
		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"									
		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.									
		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									
		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.									
		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.									
		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.									
		1	1	2.00		2.00	4.00	Sft		
						Total	4.00	Sft		
TOTAL										

REPAIR AND RENOVATION OF BHU LAKI DISTRICT AWARAN		
<u>GENERAL ABSTRACT</u>		
S NO.	DESCRIPTION OF WORK	AMOUNT
1	REPAIR AND RENOVATION OF BHU LAKI DISTRICT AWARAN	
2	CONSTRUCTION OF BOUNDARY WALL 250 RFT	
3	CONSTRUCTION OF UNDER GROUND WATER TANK	
4	Total	
5	8% BRA	
6	Grand Total	4869385

REPAIR AND RENOVATION OF BHU LAKI 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.						
	Walls						
	Room 1	1 2 x	16.25 x	11.50	=	373.75 sft	
		1 2 x	12.50 x	11.50	=	287.50 sft	
	Room 2	1 2 x	16.00 x	11.50	=	368.00 sft	
		1 2 x	12.00 x	11.50	=	276.00 sft	
	Room 3	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						
	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						
	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						
	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.						
	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 byShahah Industries or equivalent standard						

	(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.												
	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												
	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.												
	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									3784.23	sft		
								Total		3784.23			

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

CONSTRUCTION OF BOUNDARY WALL 250 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									
	BOUNDARY 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 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									
	BOUNDARY 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									
	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 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.									
	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									
	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.									
	PLINTH BAND CONCRETE									
	BOUNDARY 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									
	Wall in super structure									
	BOUNDARY 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									
	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.									
	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									
	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.									
	M. GATE		1				1.00	No		
	SIDE GATE		1				1.00	No		
TOTAL										0

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									
		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									
		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.									
	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									
		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									
		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"									
		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.									
		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									
		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.									
		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.									
		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.									
		1	1	2.00		2.00	4.00	Sft		
					Total		4.00	Sft		
TOTAL										

REPAIR AND RENOVATION OF BHU MANGULI DISTRICT AWARAN		
<u>GENERAL ABSTRACT</u>		
<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	Total	
4	8% BRA	
5	Grand Total	3326852

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.										
	CEILING										
	Room 1	1	x	16.25	x	12.50	=		203.13	sft	
	Room 2	1	x	16.00	x	12.00	=		192.00	sft	
	Room 3	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										
	Room 1	1	2	x	16.25	x	11.50	=	373.75	sft	
		1	2	x	12.50	x	11.50	=	287.50	sft	
	Room 2	1	2	x	16.00	x	11.50	=	368.00	sft	
		1	2	x	12.00	x	11.50	=	276.00	sft	
	Room 3	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										
	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										
	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										
	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.										
	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												
	(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.													
	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	=	0.00	sft		
									Total		470.13	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.													
	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													
	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.													
	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 withBerger /ICI or equivalent super gloss synthetic enmal paint on wood work.													
	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.													
	Windows		5	x	4.00	x			4.00	=	80.00	sft		
									Total		80.00	sft		
15	providing and fixing iron grills as													

[illegible]

[illegible]

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									
		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									
		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.									
	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									
		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									
		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"									
		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.									
		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									
		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.									
		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.									
		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.									
		1	1	2.00		2.00	4.00	Sft		
					Total		4.00	Sft		
TOTAL										

REPAIR AND RENOVATION OF BHU NADAGO DISTRICT AWARAN		
<u>GENERAL ABSTRACT</u>		
<i>S NO.</i>	<i>DESCRIPTION OF WORK</i>	<i>AMOUNT</i>
1	CONSTRUCTION OF BOUNDRY WALL 320 RFT	
2	CONSTRUCTION OF UNDER GROUND WATER TANK	
3	Total	
4	8%BRA	
5	Grand Total	3691181

CONSTRUCTION OF BOUNDRY 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	Execavation 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									
	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									
	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 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									
	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.									
	BOUNDARY 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									
	BOUNDARY 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									
	BOUNDARY 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									
	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.									
	PLINTH BAND CONCRETE									
	BOUNDARY 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									
	Wall in super structure									
	BOUNDARY 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									
	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.									
	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									
	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.									
	M. GATE		1				1.00	No		
	SIDE GATE		1				1.00	No		
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									
		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									
		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.									
	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									
		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									
		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"									
		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.									
		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									
		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.									
		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.									
		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.									
		1	1	2.00		2.00	4.00	Sft		
					Total		4.00	Sft		
TOTAL										0

REPAIR AND RENOVATION OF BHU PARWAR DISTRICT AWARAN		
GENERAL ABSTRACT		
S NO.	DESCRIPTION OF WORK	AMOUNT
1	REPAIR & RENOVATION OF BHU BUILDING AND BOUNDARY WALL PARWAR	
2	CONSTRUCTION OF UNDER GROUND WATER TANK	
3	Total	
4	8%BRA	
5	Grand Total	3118280

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.								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	
	Duction										
	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										
	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										
	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										
	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.										
	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													
(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.												
	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.												
	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.												
	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.												
	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.												
	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.												
	Windows	5	x	4.00	x			4.00	=	80.00	sft		

[illegible]

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									
		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									
		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.									
	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									
		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									
		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"									
		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.									
		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									
		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.									
		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.									
		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.									
		1	1	2.00		2.00	4.00	Sft		
					Total		4.00	Sft		
TOTAL										0

AWARAN		
<u>GENERAL ABSTRACT</u>		
<i>S NO.</i>	<i>DESCRIPTION OF WORK</i>	<i>AMOUNT</i>
1	REPAIR AND RENOVATION OF BHU SHAM MARAH DISTRICT AWARAN	
2	CONSTRUCTION OF BOUNDARY WALL 250 RFT	
3	CONSTRUCTION OF UNDER GROUND WATER TANK	
4	Total	
5	8% BRA	
6	Grand Total	5574778

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.										
	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										
	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										
	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										
	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.										

	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													
	(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.													
	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.													
	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.													
	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 surfac including cleanding and ICI or equvalint on plastered rendered or sand preparing the surfac.							Total		1064.6778	sft			

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																		
		1	x			1			=	1	Nos								
										1	Nos								
20	providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with screw.																		
	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 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								
								Total		2	Nos								
22	providing and fixing approved make plastic accessories.																		
25	providing and fixing approved quality bib cock																		
		1	x			2			=	2	Nos								
								Total		2	Nos								
26	providing laying cutting jointing and disinfecting G.I Pipe lill make or equavillient.																		
		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								
								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								
								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								

									Total		4	point		
30	fixing fan to ceiling													
		1	x				4			=	4	point		
									Total		4	point		
31	supply and installation 20" (500 mm) sweep revolving bracket fan with guard													
		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			
									Total	=	2	point		
33	Supply and install Energy Saver electric bulbs 25W Philips energy save													
		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.													
		1	x				1				1			
									Total	=	1	Nos		
35	Supply and install Electric motors with pump including all accessories.													
36														
									Total	=	1	point		
37	Supply and install 35 gallons electric geyser													
									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													
		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 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,													
		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													

			1	x			100				100			
								Total	=	100	Rft			
												RS.		

CONSTRUCTION OF BOUNDARY WALL 250 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 execavted earth watering and ramming lead up to 30 m lift up to 1.5m									
	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									
	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									
	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.									

	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									
	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									
	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.									
	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									
	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									
	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 mortor ratio on wall and coloumns in basment plinth and ground floor including making edges cornor and curing.									
	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									
	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.									
	M. GATE		1				1.00	No		
	SIDE GATE		1				1.00	No		
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									
		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									
		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.									
	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									
		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									
		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"									
		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.									
		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									
		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.									
		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.								
		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.								
		1	1	2.00		2.00	4.00	Sft	
					Total	4.00	Sft		
TOTAL									0

AWARAN		
<u>GENERAL ABSTRACT</u>		
<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	Total	
4	8% BRA	
5	Grand Total	3370909

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.											
					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											
	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												
	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												
	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.											
	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												
	(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														
	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														
	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														
	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														
	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		
12														
	Same Quantity of item no.1										4488.91	sft		
									Total		4488.9061			
	painting on old surface on wood work with Berger /ICI or equivalent super gloss sythetic enmal paint on wood work.													
13														

	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, 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.												
	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		
										125.00	sft		
	Conversion in Kg	125		x		3.5	Total			437.50	Kg		
	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												
12													
	SAME QTY OF PLASTER												
						4480.00	SFT	80.77		361849.60			
	Providing and fixing steel grated double leaf Gate with locking												
13													
	M. GATE	1									1	No	
	SIDE GATE	1									1	No	
14	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								1.00	No		
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	5	x	5.00	x			5.00	=	125.00	sft		
	Windows							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												
	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												
	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												

	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		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		2	x			12		=	24	Rm			
								Total	24	Rm			
	supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories.												
29		1	x			4		=	4	point			
								Total	4	point			
	fixing fan to ceiling												
30		1	x			4		=	4	point			
								Total	4	point			
	supply and installation 20" (500 mm) sweep revolving bracket fan with guard												
31													
		1	x			2		Total	=	2	point		
										2	point		
	Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.												
32		1	x			2		Total	=	2	point		
	Supply and install Energy Saver electric bulbs 25W Philips energy save												
33		1	x			15		Total	=	15	point		
	Providing and fixing LDPE overhead tank manufactured by Dura or equivalent on top of any floor louvers.												
34		1	x			1		Total	=	1	Nos		
	Supply and install Electric motors with pump including all accessories.												
35													
	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												
38													

		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												
		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												
		1	x			100			100				
							Total	=	100	Rft			
													0

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									
		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									
		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.									
	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									
		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									
		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"									
		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.									
		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									
		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.									
		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.									
		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.									
		1	1	2.00		2.00	4.00	Sft		
						Total	4.00	Sft		
TOTAL									0	

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 250 RFT	
3	CONSTRUCTION OF UNDER GROUND WATER TANK	
4	Total	
5	8% BRA	
6	Grand Total	6641856

DETAIL ESTIMATE FOR REPAIR AND RENOVATION Teertij DISTRICT AWARAN.												
S.No	Description	No	L	B/H	Qty	Rate	Amounte					
2	Removing door with chowkat											
	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	542.40
												56952
3	Removing Windows with chowkat											
	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	227.04
												15041
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes											
	Room 1	8	x	1	x	16.25	x	12.50	=	1625.00	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		1859.51	sft	118.25
												219887
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.											
	Room	8	x	16.25	x	12.50			=	1625.00	sft	
	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		1689.51	sft	85.57
												144571.1825
6	Providing and fixing moulded steel door frame of approved profile, manufactured from											
	(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	688.05
												76373.55
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.											
	Room	8	x	1	x	16.25	x	12.50	=	1625.00	sft	
	Porch	1	x	1	x	17.00	x	10.00	=	170.00	sft	
								Total		1795.00	sft	539.37
												968169

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.													
	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	213.60	101150	
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													
	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	278.29	17952	
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			
13	painting on old surface on wood work with Berger /ICI or equivalent super gloss syenthetic enmal paint on wood work.													
	D	8	x		x	3.50	x	7.00	=	196.00	sft			
	D1	1	x		x	5.00	x	7.00	=	35.00	sft			
	D2	2	x		x	2.50	x	7.00	=	35.00	sft			
								Total		266.00	sft	35.77	9514.82	
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												
	Windows	6	x	4.00	x		4.00	=	96.00	sft			
							Total		96.00	sft	1784.95	171355	
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	6	x	5.00	x		5.00	=	150.00	sft			
									150.00	sft			
	Conversion in Kg	150		x		3.5	Total		525.00	Kg	396.50	208163	
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 inch as approved design.												
	Windows	6	x	5.00	x		5.00	=	150.00	sft			
							Total		150.00	sft	589.34	88401	
17	providing and fixing first class deodar wooddeodar wood shutter fully panelled with same wood and fixed with approved brass hinges and tower bolts												
	Doors	8	x			3.50	x	7.00	=	196.00	sft		
	Doors	1	x			5.00	x	7.00	=	35.00	sft		
	Doors	2	x			2.50	x	7.00	=	35.00	sft		
							Total		266.00	sft	2227.13	592417	
18	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												
		8		16.5		12.5		10.00		2230.00			

[illegible]

[illegible]

	pipes confirming to ISO 4427, PN-20, complete in all respects with specials and valves etc. including all fittings, connnections and jointing material												
			1	x		100				100			
							Total	=	100	Rft	749.76	74976	
											RS.		

CONSTRUCTION OF BOUNDRY WALL 250 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									
	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									
	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 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									
	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	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 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.									
	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									
	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									
	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.									
	PLINTH BAND CONCRETE									
	BOUNDARY 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									
	Wall in super structure									
	BOUNDARY 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									
	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.									
	BOUNDARY 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									
	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.									
	M. GATE		1				1.00	No		
	SIDE GATE		1				1.00	No		
TOTAL									0	

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									
		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									
		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.									
	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									
		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									
		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"									
		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.									
		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									
		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.									
		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.									
		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.									
		1	1	2.00		2.00	4.00	Sft		
					Total		4.00	Sft		
TOTAL										0

**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 UNDER GROUND WATER TANK	
3	Total	
4	8% BRA	
5	Grand Total	3381445

DETAIL ESTIMATE FOR REPAIR AND RENOVATION OF BHU waja bagh 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.											
	CEILLING											
	Room 1	1	x	16.25	x	12.50	= 203.13 sft					
	Room 2	1	x	16.00	x	12.00	= 192.00 sft					
	Room 3	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											
	Room 1	1	2	x	16.25	x	11.50	= 373.75 sft				
		1	2	x	12.50	x	11.50	= 287.50 sft				
	Room 2	1	2	x	16.00	x	11.50	= 368.00 sft				
		1	2	x	12.00	x	11.50	= 276.00 sft				
	Room 3	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											
	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											
	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	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.											
	Rooms						2646.00	sft				
	Outer Side	2		34.00	x	45.00		3060.00	sft			
							Total	5706.00	Sft			
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes											
	Room 1	1	x	1	x	16.25	x	12.50	= 203.13 sft			
	Room 2	1	x	1	x	16.12	x	1.50	= 24.18 sft			
	Room 3	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			

[illegible]

	Toilet Block		1	x	17.66	x			9.33		164.7678	sft		
12	providing on old surface of wall with Bergerconcrete surface 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	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.													
			1		80				12		960	Sft		
13	painting on old surface on wood work with Berger /ICI or equivalent super gloss sythetic enmal paint on wood work.													
	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.													
	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		
											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.													
	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													
	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													

[illegible]

			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.												
			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.												
			1	x		4			=	4	point		
								Total		4	point		
30	fixing fan to ceiling												
			1	x		4			=	4	point		
								Total		4	point		
31	supply and installation 20" (500 mm) sweep revolving bracket fan with guard												
			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			
								Total	=	2	point		
33	Supply and install Energy Saver electric bulbs 25W Philips energy save												
			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.												
			1	x		1				1	Nos		
								Total	=	1			
35	Supply and install Electric motors with pump including all accessories.												
36													
								Total	=	1	point		
37	Supply and install 35 gallons electric geyser												
								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												
			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, channels and benching including making requisite number of main and branch channels but excluding the												
		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												
		1	x			100				100			
								Total	=	100	Rft		
41	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								1	No		
												RS.	0

CONSTRUCTION OF UNDER GROUND WATER TANK

S. No		DESCRIPTION	No	MEASUREMENT			COST ESTIMATE			
				L	B	H/D	QTY	UNIT	RATE	AMOUNT
CIVIL WORKS										
1	Excavation in foundation in shingle or gravel soil of buildings, bridges and other structures, depth up to 4 meters including dechelling dressing refilling around structures with excavated earth watering and ramming lead up to 30 m									
	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									
	1	1	9.00	9.00	0.25	20.25	CFT			
					Total*	20.25	CFT			
3	Providing and fabricating and laying For 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.									
	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									
	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									
	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"									
	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.									
	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 10" (25mm) thick topping 1:2 (one part cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing									
	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.									
	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.									
	1	1	1.00		33.50	33.50	Rft			
					Total	33.50	Rft			
11	Providing and fixing hot dipped Galvanized 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.									
	1	1	2.00		2.00	4.00	Sft			
					Total	4.00	Sft			
TOTAL										

DISTRICT AWARAN		
<u>GENERAL ABSTRACT</u>		
<i>S NO.</i>	<i>DESCRIPTION OF WORK</i>	<i>AMOUNT</i>
1	REPAIR AND RENOVATION OF BHU ZOOM DAN PIRANDAR DISTRICT AWARAN	
2	CONSTRUCTION OF UNDER GROUND WATER TANK	
3	Total	
4	8% BRA	
5	Grand Total	3568571

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.											
								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		=	373.75	sft		
	Office	1	2	x	12.50	x		=	287.50	sft		
		1	2	x	16.00	x		=	368.00	sft		
	Ward	1	2	x	12.00	x		=	276.00	sft		
		1	2	x	12.50	x		=	287.50	sft		
	First Aid	1	2	x	6.00	x		=	138.00	sft		
		1	1	x	17.00	x		=	144.50	sft		
	Porch	1	1	x	10.00	x		=	85.00	sft		
	Porch	1	1	x	17.00	x		=	51.00	sft		
	Beam	1	1	x	10.00	x		=	30.00	sft		
		1	2	x	3.32	x		=	49.80	sft		
	Columns	1	2	x	5.00	x		=	95.00	sft		
	Toilets	1	2	x	4.00	x		=	76.00	sft		
		1	1	x	4.33	x		=	41.14	sft		
		1	2	x	5.66	x		=	107.54	sft		
		1	1	x	71.75	x		=	968.63	sft		
	Outer Side	1	1	x	117.66	x		=	176.49	sft		
	Shade	1	1	x	14.67	x		=	161.37	sft		
	Toilets	1	2	x	6.33	x		=	139.26	sft		
		1	2	x	5.33	x		=	117.26	sft		
		1						Total A	4653.86	sft		
	Deuction		1	x	2	x						
	D		1	x	1	x						
	D1		1	x	2	x						
	D2		1	x	5	x						
	W		1	x	2	x						
	v							Total B	189.50	sft		
				4653.86		189.50		Total	4464.36	sft		
	Net Quantity(A---B)											
2	Removing door with chowkat											
			1	x	2	x						
	Main Building		1	x	1	x						
	Toilet Block		1	x	2	x						
								Total	105.00	sft		
3	Removing Windows with chowkat											
			1	x	4	x						
	w		1	x	1	x						
	v							Total	66.25	sft		
4	Dismantling plain cement concrete 1 : 2 : 4 & richer mixes											
			1	x	1	x						
	Office		1	x	1	x						
	Ward		1	x	1	x						
	First Aid		1	x	1	x						
	Porch		1	x	2	x						
	Toilets & Bath		1	x	1	x						
	Wash Area							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.											
			1	x	16.25	x						
	Office		1	x	16.00	x						
	Ward		1	x	12.50	x						
			2	x	5.00	x						
	Toilets		1	x	4.33	x						
	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											
		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.													
		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.													
		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.													
		1	x	33.33	x			27.00		899.91	sft			
	Main Building	1	x	17.66	x			9.33		164.7678	sft			
	Toilet Block							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.													
	Same Quantity of item no.1							Total		4464.36	sft			
										4464.355				
13	painting on old surface on wood work withBerger /ICI or equivalent super gloss sythetic enmal paint on wood work.													
		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 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.													
		5	x	4.00	x			4.00	=	80.00	sft			
	Windows							Total		80.00	sft			
15	providing and fixing iron grills as													

32	Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.													
		1	x			2								
							Total	=	2	2	point			
33	Supply and install Energy Saver electric bulbs 25W Philips energy save													
		1	x			15								
							Total	=	15	15	point			
34	Providing and fixing LDPE overhead tank manufactured by Dura or equivalent on top of any floor louvers.													
		1	x			1								
							Total	=	1	1	Nos			
35	Supply and install Electric motors with pump including all accessories.													
36		1	x			1				1				
37	Supply and install 35 gallons electric geyser													
		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 including cost of reinforcement. 12" (300 mm) inner dia													
		1	x			50				50				
							Total	=	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 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, channels and benching including making requisite number of main and branch channels but excluding the													
		1	x			3				3				
							Total	=	3	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													
		1	x			100				100				
							Total	=	100	100	Rft			
							Total							0

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									
		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									
		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.									
	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									
		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									

		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"									
		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.									
		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									
		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.									
		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.									
		1	1	2.00		2.00	4.00	Sft		
						Total	4.00	Sft		
TOTAL										0

DETAILED ESTIMATE FOR THE REPAIR OF BASIC HEALTH UNIT KOHAK DASHT DISTRICT KECH			
S No	DESCRIPTION OF WORK	Amount	
1	Civil Work		
2	Surface Water Tank		
3	Total		
4	8% BRA		
5	Grand Total	2253351.84	

DETAILED ESTIMATE FOR THE REPAIR OF BASIC HEALTH UNIT KOHAK DASHT DISTRICT KECH	
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S.NO	DISCRIPTION OF WORK			N LBD H	QTY:	RATE	UNIT	AMOUNT
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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
1 (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 fixing of Concrete
paviors (Sl.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
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)								
1		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
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)								
2		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
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)								
3		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
Earth Filling watering and ramming under floor (SI.NO.3-16/a)								
4	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 REHABILITATION OF BASIC HEALTH UNIT(BHU) AT MIR BOHAIR BAZAR SOLO BULEADA DISTRICT KECH			
GENERAL ABSTRACT.			
S No	DESCRIPTION OF WORK	Amount	
1	BHU SOLO		
2	RESIDENTIAL QUARTER		
3	Total		
4	8% BRA		
5	Grand Total		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 equivalenent 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:-

ABSTRACT OF COST					
S.No.	Description of Works				Amount
1	Civil Works				
2	Plumbing Works				
3	Electrification Works.				
4	Total				
5	8% BRA				
6	Grand Total				2447000

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 = 26.00Sft Corridore 1 x 2 (24.67 + 10.00) 0.50 = 34.67Sft W.C 1 x 2 (6.00 + 6.00) 0.50 = 12.00Sft Store 1 x 2 (10.00 + 6.00) 0.50 = 16.00Sft = 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 = 40.00Sft W -1 = 1 x 8 x 3.00 x 5.0 = 120.00Sft W -2 = 1 x 2 x 1.50 x 2.0 = 6.00Sft V-1 = 1 x 1 x 3.00 x 2.0 = 6.00Sft Total = 172.00Sft											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 = 546.00Sft 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 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 = 40.00Sft D-1 = 1 x 2 x 4.00 x 8.0 = 64.00Sft D-2 = 1 x 3 x 3.50 x 8.0 = 84.00Sft D-3 = 1 x 2 x 2.50 x 8.0 = 40.00Sft = 228.00Sft											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 = 113.75Sft D-1 = 2 x 2 x 5.50 x 8.75 = 192.50Sft D-2 = 2 x 3 x 5.00 x 8.75 = 262.50Sft D-3 = 2 x 2 x 4.00 x 8.75 = 140.00Sft											

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 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 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 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 choromium plated cast iron soil pipe with all acceseries. B.H.U									
b-	4" dia (S.I.No.23-44/c)					2x	10.0			
								= 20.00Rt		
								= 20.00Rt		
								%Rt	Rs	-
11	P/F choromium 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.		

P/F C.C Pipe moulded with cement 1:1.5:3 with spigot socket collar joint									
a- 4" dia	=								
(S.I.No.25-1/a-i)		1x	70.0						
b- 6" dia	=								
(S.I.No.25-1/a-ii)		1x	80.0						
15 Laying R.C.C pipe with all acceseries.									
B.H.U									
a- 4" dia	=								
(S.I.No.25-2/i)		1x	70.0						
b- 6" dia	=								
(S.I.No.25-2/ii)		1x	80.0						
16 Providing manhole type 'A' with all acceseries.									
(S.I.No.25-4/a)									
B.H.U									
		1x	4.0						
17 Providing manhole type 'B' (3'x1.5') inside dimension with all acceseries.									
(S.I.No.25-5/a)									
B.H.U									
		1x	1.0						
18 Excavation of trenches ordinary soil i/c degbelling, refilling around the structure watering and raming.									
Si No (3-8/b)									
Searage line	=	1	x	1	x	100.0	x	1.5	x
							x	2.00	=
									300.00
								Total=	300.00
19 Providing G.I pipe with all acceseries.									
B.H.U									
a- .5" dia	=								
(S.I.No.27-23/a-ii)		1x	130.0						
b- .75" dia	=								
(S.I.No.27-26/b)		1x	100.0						
c- 1" dia	=								
(S.I.No.27-26/c)		1x	90.0						
20 P/F Fiber Glass Over Head Tank (1000 gallons) with all acceseries.									
(S.I.No.27-44/c)									
20 Grade									
		1x	1						
21 Excavation in foundation									
Si No (3-21/a-iv)									
Under G. Tank									
Septic Tank		1	x	1	x	12.0	x	10.0	x
		1	x	1	x	8.0	x	10.0	x
									6.00
									720.00
									480.00
								Total	1200.00

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
				Total=	25
				Points	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
				Total=	6
				Points	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. 6 Nos.	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) B.H.U	1x	1	= =	1 Nos. 1 Nos.	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) B.H.U	1x	1	= =	1 Nos. 1 Nos.	Each	Rs	-	
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. 1 Nos.	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) B.H.U	1x	18	= =	18 Rft 18 Rft	P.rft	Rs	-	
							Total	Rs	-
Say Rs:-									

ABSTRACT OF COST					
S.No.	Description of Works				Amount
1	Civil Works				
2	Plumbing Works				
3	Electrification Works.				
4	Total				
5	8% BRA				
6	Grand Total				2447000

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 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 (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
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 = 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	
Deductions:								A =	=	2807.12	Sft
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.											
<i>Si No 16-11-a-ii</i>											
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											
<i>(S.I.No.17-6)</i>											
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.											
<i>(S.I.No.16-66/c)</i>											
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.											
<i>(S.I.No.16-80/B-a-iii)</i>											
		1	x	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.											
<i>(S.I.No.28-28-1)</i>											
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
									=	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.											
<i>(S.I.No.16-82/c)</i>											
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.											
<i>(S.I.No.17-7)</i>											
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
									=	172.00	Sft
											P.Sft

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
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 -
	P/F C.C Pipe moulded with cement 1:1.5:3 with spigot socket collar joint				

[illegible]

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

P.Cft Rs

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:
// D/B 6"c/c Bott

1	x	1	x	25	x	10.00	x	0.367	=	92.73	Kgs
1	x	1	x	16	x	12.00	x	0.367	=	70.46	Kgs

Walls:

1/2" M/B 5"c/c
// D/B 8"c/c

1	x	4	x	16	x	8.00	x	0.367	=	187.90	Kgs
1	x	4	x	8	x	10.00	x	0.367	=	119.22	Kgs

= 470.32
= 1000

Convert into Tonne

Total= 0.470 Tonne

/-T Rs

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

P.Cft Rs

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

P.Cft Rs

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

P.Cft Rs

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

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	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 =

12.00	x	6.50									
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

/-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:-

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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		= 3.00 points = 3.00 points	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> = <u>6Nos.</u>	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> = <u>1Nos.</u>	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> = <u>1Nos.</u>	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> = <u>1Nos.</u>	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> = <u>18Rft</u>	P.rft Rs	-
				<u>Total Rs</u> -

Say Rs:-

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	
2	Total	
3	8% BRA	
4	Grand Total	674993.3444

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										

ABSTRACT OF COST BHU SHATANGI		
S.No.	Description of Works	Amount
1	Civil Works	
2	Plumbing Works	
3	Electrification Works.	
4	Total	
5	8% BRA	
6	Grand Total	4333000

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. 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 Convert into Tonne = 3242.68 Kgs = 1000 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.

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.

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.

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.

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.

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.

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

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

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

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

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

10

P/Fixing any kind of Aluminum windows sliding with wire gauze 30 gauge with frame 1/1/2" in colour.

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

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.

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

12

Painting with Robbialac or equivalent weather coat in two or more coats over & i/c cost of priming coat.

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

P.Cft

P.Sft

P.Sft

P.Sft

P.Sft

P.Sft

P.Sft

P.Cft

P.Sft

P.Sft

P.Sft

P.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.	Doors	D =	1 x 1 x 5.00 x 8.0	=	40.00Sft	P.Sft
		D-1 =		1 x 2 x 4.00 x 8.0	=	64.00Sft	
		D-2 =		1 x 3 x 3.50 x 8.0	=	84.00Sft	
		D-3 =		1 x 2 x 2.50 x 8.0	=	40.00Sft	
					=	228.00Sft	
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 instruction on wood work over and including the cost of priming coat, surface preparation, rubbing down smooth, knotted, filling cracks, holes and joints	Painting i/c Frame:-					P.Sft
		Doors	D =	2 x 1 x 6.50 x 8.75	=	113.75Sft	
		D-1 =		2 x 2 x 5.50 x 8.75	=	192.50Sft	
		D-2 =		2 x 3 x 5.00 x 8.75	=	262.50Sft	
		D-3 =		2 x 2 x 4.00 x 8.75	=	140.00Sft	
15	P/F hydraulic Door Lock with handle.			Total	=	708.75Sft	P.No.
		Doors	D =	1 x 1 x 8	=	8.00Nos.	
					=	8.00Nos.	
16	Providing and fixing approved 9" chromic plate brass tower bolts of sizes with screws of same metal.			1x 8	=	8Nos.	P.No.
					=	8Nos.	
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.	Windows	W. =	1 x 2 x 4.00 x 5.0	=	40.00Sft	P.Kg
		W -1 =		1 x 8 x 3.00 x 5.0	=	120.00Sft	
		V -1 =		1 x 2 x 1.50 x 2.0	=	6.00Sft	
		V-1 =		1 x 1 x 3.00 x 2.0	=	6.00Sft	
				Total Qty's:	=	172.0x 1.00	
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.	Almarah		1 x 3 x 6.00 x - x 8.0	=	144.00Sft	P.Sft
					=	144.00Sft	
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.	Windows	W. =	1 x 2 x 4.00 x 5.0	=	40.00Sft	P.Sft
		W -1 =		1 x 8 x 3.00 x 5.0	=	120.00Sft	
		V -1 =		1 x 2 x 1.50 x 2.0	=	6.00Sft	
		V-1 =		1 x 1 x 3.00 x 2.0	=	6.00Sft	
					=	172.00Sft	
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.	Plinth Protection:					P.Cft
		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	
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.	Plinth Protection:					9% Cft
		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	
22	Providing and laying 1:3:6 C.C Block masonry in super structure	Plinth Protection:					P.Cft
		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	

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.

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.

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

B.H.U		1x	4	=	4.00Nos.	Each	Rs	-
				=	4.00Nos.			
8 P/F Belgium Looking Glass (24"x18") with all accseries.								
B.H.U		2x	2.0 x 1.5	=	6.00Nos.	Each	Rs	-
				=	6.00Nos.			
9 P/F gun-metal peet / gate valve with all accseries.								
B.H.U								
a- 0.75" dia		1x	2	=	2.00Nos.	Each	Rs	-
c- 1" dia				=	2.00Nos.			
		1x	2	=	2.00Nos.			

10	P/F choromium plated cast iron soil pipe with all acceseries.	=	2.00Nos.	Each	Rs	-
11	P/F choromium plated cast iron S.S special with spigot and socket joint (3"to 6") with all acceseries.	=	20.00Rft	%Rft	Rs	-
12	P/F Cement Concrete gully trap (2") with all acceseries.	=	4.00Nos.	Each	Rs	-
13	P/F 0.5" dia Plastic rubber connection with all acceseries.	=	100.00Nos.	Each	Rs	-
14	P/F .75" dia brass ball valve with all acceseries.	=	4.00Nos.	Each	Rs	-
15	Laying R.C.C pipe with all acceseries.	=	70.00Rft	Each	Rs	-
16	Providing manhole type 'A' with all acceseries.	=	4.00Nos.	Each	Rs	-
17	Providing manhole type 'B' (3'x1.5') inside dimension with all acceseries.	=	1.00Nos.	Each	Rs	-
18	Excavation of trenches ordinary soil i/c degbelling, refilling around the structure watering and raming.	=	300.00 Cft	P.Rft	Rs	-
19	Providing G.I pipe with all acceseries.	=	130.00Rft	P.Rft	Rs	-
20	P/F Fiber Glass Over Head Tank (1000 gallons) with all acceseries.	=	1 No.	Each	Rs	-
21	Excavation in foundation	=	1200.00 Cft	P.Cft	Rs	-
22	Providing fabrication and laying deformed steel for all kind of RCC works in Bottom Slab a the yield strength equal to 60000 psi.	=	100.00 Cft	P.Cft	Rs	-
23	Providing fabrication and laying deformed steel for all kind of RCC works in Bottom Slab a the yield strength equal to 60000 psi.	=	100.00 Cft	P.Cft	Rs	-
24	Providing and laying 1:2:4 C.C in Slab	=	0.470 Tonne	/-T	Rs	-

27 3/4" thick Cement **plaster** on **walls** and columns in

ground floor i/c making edges, corners and curing.

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

P.Sft **Rs**

28 Providing fabrication and laying deformed **steel** for all kind of RCC works in **Slab**

Under G. Tank Size =	12.00	x	10.00									
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 =	12.00	x	6.50									
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

/-T **Rs**

29 Providing and laying **1:2:4** C.C in **Slab**

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**

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.	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.				

7	Supply and installation of 1.42 m (56") sweep ceiling fan with fan hook and fan regulator complete with all	1x 6	= 6Nos. = 6Nos.	Each Rs	-
B.H.U					
8	Supply and install 30 Amp, triple pole, 415 volts metal clad load breaker switch on surface of walls.	1x 1	= 1Nos. = 1Nos.	Each Rs	-
B.H.U					
9	Supply and installation of distribution board, 18 SWG sheet steel enclosure, suitable for recess/semirecess mounting and comprising.	1x 1	= 1Nos. = 1Nos.	Each Rs	-
B.H.U					
10	Supply and installation of Electric motors with pump including all accessories.	1x 1	= 1Nos. = 1Nos.	Each Rs	-
B.H.U					
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.	1x 18	= 18Rft = 18Rft	P.rft Rs	-
B.H.U					
Say Rs:- 0.000 Million			Total Rs -		

Detail Estimate Repair and Renovation at BHU Chakukuli

ABSTRACT OF COST

S#	Components	TOTAL AMOUT
1	BHU Civil Works	
2	Electrification	
3	Plumbing Works	
4	Sockage Pit	
	Total	
	8% BRA	
Grand Total		Rs. 1,139,379.62

1,139,379.62

Detail Estimate Repair and Renovation at BHU Chakskuli									
6. Sub									
Description of Work		No.	E	B	F	B	F	Rate	Amount Bt.
Disemper									
1 Disempering with Rubbhalac, ICI Dulux, Everbrite or equivalent synthetic polyvinyl (SPV) Emulsion finish of approved shade in two or more coats over and including the cost of priming coat including preparation of surface via chiseling, 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 Rubbhalac (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, duster, 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	10.00				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				60.00Sb	
		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 Robbshade (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#17-4-1	item	1	190.00	14.00	2660.00Sft
					2660.00Sft
					P.Sft
Paint on wood work					
4 Painting in ground floor on basement with Robbshade 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
	Almari	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,Refilling 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				
				total	203
					P.Ch
6 P/L 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				
				total	66.99
					P.Ch
7 Providing and laying 1:3:6 C.C Block masonry in super structure					
SI No (9-71c-ii)					
Plinth Protection:					
		1	2.00	40.67	0.5
	S/Sides	1	2.00	52.83	0.5
	L/Sides				
				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				
				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				
				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	
2	Electrification	
3	Plumbing Works	
4	Sockage Pit	
5	Total	
6	8% BRA	
7	Grand Total	1,026,776.68

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.
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- 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				4.00	Nos.	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				2.00	Nos.	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) high (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

REPAIRING OF BHU DALI.		
S.No	DESCRIPTION OF WORKS	TOTAL COST (RS)
<u>A</u>	MAIN BUILDING WORKS	
1	ROOMS REPAIRING	
2	ROOMS ELECTRIC REPAIRING	
3	TOILETS REPAIRING	
4	TOILETS PLUMBING REPAIRING	
5	BOUNDARY WALL REPAIRING	
6	SEPTIC TANK	
7	Total	
8	8% BRA	
9	GRAND TOTAL	5,204,165

**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	2	18.00	16.00		576.00	Sft		
	Rooms				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	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								

#REF!
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		

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) Externel 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									

0
0
0

#REF!
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 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		

[illegible]

#REF!
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								
		Isloated 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 Column							
		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 Column							
		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	
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#REF!
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.										

REPAIRING OF BHU GAWARAGI		
S.No	DESCRIPTION OF WORKS	TOTAL COST (RS)
A	<u>MAIN BUILDING WORKS</u>	
1	ROOMS REPAIRING	
2	ROOMS ELECTRIC REPAIRING	
3	TOILETS REPAIRING	
4	TOILETS PLUMBING REPAIRING	
5	BOUNDARY WALL REPAIRING	
6	SEPTIC TANK	
7	Total	
8	8% BRA	
9	GRAND TOTAL	5,204,165

**GOVERNMENT OF BALOCHISTAN
REPAIRING OF BHU GAWARAGI**

#REF!

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

#REF!

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

#REF!

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. (@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

GOVERNMENT OF BALOCHISTAN
REPAIRING OF BHU GAWARAGI

0
#REF!

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		

						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 GAWARAGI**

**0
#REF!**

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										

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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.										