



The Head Office,
People's Primary Healthcare Initiative, Balochistan.
Admin Section
Ref No. PPHI-B/H.O-BLN/CW/2026-2027/03
Dated: _____

Technical Proposal

People's Primary Healthcare Initiative (PPHI) - Balochistan

**TENDER DOCUMENT FOR THE MAJOR REPAIR AND RENOVATION OF BASIC
HEALTH UNITS (21-BHUs) UNDER PHASE-III, 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-III, 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: 20th August 2026 & Till 11:00 A.M Venue: PPHI District Office Naseerabad.
OPENING OF TECHNICAL BIDS	Date: 20th August 2026 & Time 12:00 P.M Venue: PPHI District Office Naseerabad.
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	Upper Dera Bugti	1	BHU Imam Bux	Attached at Pg.no 19-27
		2	BHU Khairo	Attached at Pg.no 28-36
		3	BHU Washian	Attached at Pg.no 37-43
		4	BHU Zahid Ali Choto Konal	Attached at Pg.no 44-53
		5	BHU Ghualm Rasool	Attached at Pg.no 62-71
2	Dera Bugti	1	BHU Killi Shahzad (Peshbogi)	Attached at Pg.no 54-61
		2	BHU Sher Dil Karmazai	Attached at Pg.no 72-79
		3	BHU Wadera Meer Muhammad Shaheed	Attached at Pg.no 80-88
3	Jaffarabad	1	BHU Mustafa Lehri	Attached at Pg.no 89-96
		2	BHU Sakhi Azizullah Badini	Attached at Pg.no 97-106
		3	BHU Turkish Colony Dera Allah Yar	Attached at Pg.no 107-113
		4	BHU Noor Muhmmad	Attached at Pg.no 114-121
4	Jhal Magsi	1	BHU Safarani	Attached at Pg.no 122-127
		2	BHU Yadgar	Attached at Pg.no 128-136
		3	BHU Zulfiqar Abad	Attached at Pg.no 137-144
		4	BHU Safiabad	Attached at Pg.no 145-148
5	Naseerabad	1	BHU Ameer Baksh Mengal	Attached at Pg.no 149-152
		2	BHU Peer Muhammad Mengal	Attached at Pg.no 153-156
		3	BHU Ranjhan Khan Hara	Attached at Pg.no 157-160
		4	BHU Shakar Khan Jatak	Attached at Pg.no 161-165
6	Sohbatpur	1	BHU Adil Bugti	Attached at Pg.no 166-171

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**

- Financial quotations of all substantially responsive bidders shall be evaluated.
- The Procurement Committee shall prepare the Financial Comparative Statement on a Lot-wise basis.
- 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-2-6 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 Estimated Works BHUs 2026-2027 Phase-3

Lot. No	District Name	Sr. No.	Name of Site	Estimated Amount Including applicable BRA
1	Upper Dera Bugti	1	BHU Imam Bux	5,742,301
		2	BHU Khairo	4,700,813
		3	BHU Washian	5,873,994
		4	BHU Zahid Ali Choto Konal	4,694,416
		5	BHU Ghualm Rasool	4,811,893
2	Dera Bugti	1	BHU Killi Shahzad (Peshbogi)	2,893,993
		2	BHU Sher Dil Karmazai	3,019,832
		3	BHU Wadera Meer Muhammad Shaheed	3,332,611
3	Jaffarabad	1	BHU Mustafa Lehri	3,638,062
		2	BHU Sakhi Azizullah Badini	5,174,414
		3	BHU Turkish Colony Dera Allah Yar	4,654,712
		4	BHU Noor Muhmmad	3,271,500
4	Jhal Magsi	1	BHU Safarani	4,790,658
		2	BHU Yadgar	4,975,756
		3	BHU Zulfiqar Abad	5,277,024
		4	BHU Safiabad	4,762,093
5	Naseerabad	1	BHU Ameer Baksh Mengal	3,255,930
		2	BHU Peer Muhammad Mengal	2,967,562
		3	BHU Ranjhan Khan Hara	3,035,815
		4	BHU Shakar Khan Jatak	3,746,697
6	Sohbatpur	1	BHU Adil Bugti	3,926,497
Total Amount <i>(Inclusive of: All Taxes, Labor cost & Transportation charges)</i>				88,546,573

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. _____

BOQS

REHABILITATION OF BHU KILLI IMAM BAKHSH AT DERA BUGTI		
ABSTRAT OF COST		
No.	DESCRIPTION	AMOUNT Rs.
1	CIVIL WORKS	
2	ELECTRICAL WORKS	
3	PLUMBING WORKS	
4	TOTAL	5742301

S.NO	DESCRIPTION	NO	L	W	D/H	QUANTITY	UNIT	CIVIL WORKS	
								RATE	AMOUNT
								(Pak Rs)	(Pak Rs)
	BUILDING CIVIL WORKS								
1	Providing and laying 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)								
	Roof Screeding								
	Kitchen	1.0	7.0	8.0		56.00	Sft		
	Room1	1.0	11.5	12.0		138.00	Sft		
	Room2	1.0	16.0	12.0		192.00	Sft		
	Room3	1.0	14.0	12.0		168.00	Sft		
	Room4	1.0	15.0	12.0		180.00	Sft		
	Mini Store room	1.0	7.0	12.0		84.00	Sft		
	Washroom 1	1.0	6.0	12.0		72.00	Sft		
	Washroom 2	1.0	6.0	12.0		72.00	Sft		
	Corridor	1.0	8.6	12.0		103.20	Sft		
					Total	1065.20	Cft		
2	Providing and applying two coats of High Albedo paint having a minimum Solar Reflective Index (SRI) of 108 (with solar reflectance and thermal emittance tested as per ASTM C1549 and ASTM C1371 respectively). The coating thickness and the methodology of application shall be strictly as per the manufacturer's specifications and as approved by the Engineer-in-charge. Surface preparation includes cleaning with a metal wire brush to remove all dust, fungus, etc., and washing with water. All work to be completed as per the directions of the Engineer-in-charge. The contractor shall provide a guarantee for the performance of the SRI and the durability of the coating, all complete as per the direction of the Engineer-in-charge (at least 0.5 liters per square meter).								
	(S.I No. 13 -68)								
	High Albedo paint for Roof Seepage								
	Kitchen	1.0	7.0	8.0		56.00	Sft		
	Room1	1.0	11.5	12.0		138.00	Sft		
	Room2	1.0	16.0	12.0		192.00	Sft		
	Room3	1.0	14.0	12.0		168.00	Sft		
						0.00			
	Room4	1.0	15.0	12.0		180.00	Sft		
	Mini Store room	1.0	7.0	12.0		84.00	Sft		
	Washroom 1	1.0	6.0	12.0		72.00	Sft		
	Washroom 2	1.0	6.0	12.0		72.00	Sft		
	Corridor	1.0	8.6	12.0		103.20	Sft		
					Total	1065.20	Cft		
3	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. With wire netting 1-1/2" (38mm) mesh - 18 gauge (1.4mm) thick								
	(S.I No. 15 -22 b)								
	Chicken Mesh with Plaster for Cracks Repair								
		1	35.00	15.00		525.00	Sft		
					Total	525.00	Sft		
4	Earthfilling from any nearer source for embankment lead upto 1000 M and compaction by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering. Earthfilling will be in layers about 1 feet layer & will be compacted by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering.								
		1.0	70.0	50.0	1.5	5250.00			
						5250.00	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.							
	(S.I No. 14-2 a iv)							
	P.C.C 1:2:4 in Plinth Protection							
		1	300.00	2.00	600.00	Sft		
				Total	600.00	Sft		
6	Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 guage made by shah industries or equivalent standard conforming to Block.S. 1245, treated with spacial primer base paint all round, fitted with six fixing lugs, three steel hinges for fixing door shutters, standard lock-strick plate, one sliding holt eye and three rubber buffers including cutting and making good damages to walls and filling the door frame cavity with lean cement mortar 1:4 as directed by the engineer incharge.							
c	Item same as above except moulded steel door frame manufactured from zinc coated mild steel 18 guage sheet instead of 16 guage							
	(S.I No. 28-40 c i)							
	Steel Door Frames							
	D	12	3.50	-	7	252.00	Rft	
				Total	252.000	Rft		
7	Providing and fixing First class deodar wood shutters fully panelled with same wood and fixed with approved brass hinges and tower bolts.							
	1.75" (44 mm) thick fully panelled shutters.							
	(S.I No. 16-7 b)							
	Wooden Door Shutters							
	D	12	3.50	-	7.00	294.00	Sft	
				Total	294.00	Sft		
8	Providing and fixing of wooden moulded beading to door and window frames with iron screws, plugs; 2nd Class Teak Wood 50x12mm							
	(S.I No. 16-89-1)							
	Wooden Door Beading							
	D	12	17.50		420.00	Rft		
				Total	420.00	Rft		
9	Providing and fixing fully double glazed aluminium windows (Deluxe model) of anodized Champagne or approved color of Alcop, Pakistan Cable or any approved section including Aluminium fittings, hungs, cutting holes and making good damages to walls including 5 mm thick tinted tempered glass.							
	(S.I No. 28-25-1)							
	Aluminum windows, ventilators							
	W	10	6.00	5.00	300.00	Sft		
				Total	300.00	Sft		
10	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 - 1)							
	Iron Grills on Windows							
	W	10	6.00	5.00	300.00	Sft		
				Total	300.00	Sft		
11	Painting with ICI/Berger or equivalent plastic emulsion paint of approved shade in two or more coats as per manufacturer's instructions on plastered rendered and/or concrete surface over and including the cost of priming coat, surface preparation, dusting, rubbing down smooth, filling cracks, holes removing blisters and other blisters and other imperfections in ground floor or basement. (@ atleast 1.65 Litre per 10 Sq.m)							
	(S.I No. 17- 8-1)							

	Intrenal Paint with Plastic Emulsion		Area						
	Ceiling Area	1	1265.20			1265.20	Sft		
	Internal Walls area	1	63.50		12.00	762.00	Sft		
					Total	2027.20	Sft		
					Net	2027.20	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 Sq.m.								
	(S.I No. 17-69 -1)								
	External Paint with Weather Coat		Area						
	External Walls area	1	260.00		13.50	3510.00	Sft		
		1	80.00		17.00	1360.00	Sft		
					Net	4870.00	Sft		
13	Applying french or spirit polish of approved make on wood work in ground floor or basement								
	Two coats (@ atleast 1.65 Litre per 10 Sq.m)								
	(S.I No. 17-15 b)								
	Polishing on Wood work		Area						
		2	987.00			1974.00	Sft		
					Net	1974.00	Sft		
14	Painting with ICI/Berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on 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)								
	Painting on Iron work		Area						
		2	345.00			690.00	Sft		
					Net	690.00	Sft		
15	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.								
	1/2" (13 mm) thick marble tiles floor								
	(S.I No. 14-9a)								
	Kitchen	1.0	8.0	7.0		56.00	Sft		
	Room1	1.0	15.5	11.5		178.25	Sft		
	Room2	1.0	13.0	16.0		208.00	Sft		
	Room3	1.0	15.0	14.0		210.00	Sft		
	Room4	1.0	14.0	15.0		210.00	Sft		
	Mini Store room	1.0	6.0	7.0		42.00	Sft		
	Washroom 1	1.0	7.0	6.0		42.00	Sft		
	Washroom 2	1.0	7.0	6.0		42.00	Sft		
	Corridor	1.0	21.0	8.6		180.60	Sft		
					Total	1168.85	Sft		
16	Providing and fixing 3/8" (9mm) thick super white marble tiles dressed on the surface in dado/skirting and facing in ground floor over 1/2" (13mm) thick base of cement sand 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, curing, finishing, grinding, cleaning & polishing.								
	(S.I No. 14-54 a)								
	Marble Skirting and Dado (Internal building Walls)								
	Kitchen	1.0	1.0		0.5	0.50	Sft		
	Room1	1.0	15.5		0.5	7.75	Sft		
	Room2	1.0	13.0		0.5	6.50	Sft		
	Room3	1.0	15.0		0.5	7.50	Sft		
	Room4	1.0	14.0		0.5	7.00	Sft		
	Mini Store room	1.0	6.0		0.5	3.00	Sft		
	Washroom 1	1.0	7.0		0.5	3.50	Sft		
	Washroom 2	1.0	7.0		0.5	3.50	Sft		
	Corridor	1.0	21.0		0.5	10.50	Sft		
					Total	49.75	Sft		

17	Providing and laying Vitrified/ Porcelain (Imported but not Chinese) tiles in floor with different sizes, Glazed or Matt, local or imported as directed by the Engineer-In-Charge, laid with 6mm thick layer of cement based high polymer modified quick set tile adhesive . (It may be noted that reduction in the rate shall be made accordingly if the cost of purchase of tile is less than the base price).							
	(S.I No. 14-73 -a)							
	Glazed Tile Flooring in Toilet							
	Bath Rooms	4	5.00	6.00		120.00	Sft	
					Total	138.00	Sft	
18	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- 64 a)							
	Glazed Tile Dado in Toilet							
	Bath	4	22.00	6.00		528.00	Sft	
					Total	607.20	Sft	
19	(S.I.No. 16-66 d)							
	Internal Door Lock							
	Hyundi Lock	4	-	-	-	4.00	Each	
					Total	4.00	Each	
	(S.I.No. 16-66 a)							
20	Toilet Lock							
	Union Lock	4	-	-	-	4.00	Each	
					Total	4.00	Each	
	(S.I.No. 16-66 f)							
21	Hydraulic Door Closer							
	Hydraulic door closer, New star make	4				4.00	Each	
					Total	4.00	Each	
22	Providing and fixing approved sliding bolts or aldrop bolt of sizes with screws of same metal and galvanized iron bolts and nuts.							
	ii) 250 mm x 16 mm (10 ² x 5/8 ²) size							
	(S.I.No. 16-74 ii)							
	Sliding Bolts	4				4.00	Each	
					Total	4.00	Each	
23	Providing and fixing approved standard finger plate with screws.							
	b) Brass finger plate 150 mm x 57 mm (6 ² x 2-1/4 ²) with brass screws.							
	(S.I.No. 16-68 b)							
	Finger Plate	2				2.00	Each	
					Total	2.00	Each	
24	Supply and fixing of concrete pavers on sand cushion of different designs, having thickness of 50 mm, mechanically compressed, with a minimum strength of 4500 psi after laboratory testing at factory and random testing at site as and when desired by the Engineer In-charge, complete in all respects.							
	50mm thick,tuff tile Cloured							
	(S.I.No. 21-9 b)							
	Tuff Pavers							
		1	1500.00			1500.00	Sft	
					Total	1500.00	Sft	
25	Brick Masonry in Ratio (1:4) CSM-SR) (first class brick & Hill Sand) including 07 days curing for internal external sides, parapet wall on top of roof or Path way etc, as per Technical Specifications would be required) including Labor & material cost.							
	Boundary Wall 9"	1	300	0.75	7	1575.00	Rft	
					Total	1575.00	Rft	

26	Plaster of latrines,water shed,below D.P.C level,& pharapet wall (1:4) CSM 1/2" thick, as per standard & also 07 days curing, Quantity required as per attached approved design, Cement Elephant/Luckey 10,000 PSI, Fine Hill Sand free from debries would be required) including Labor, material, Dismantling of exisitng damaged Plaster, & Filling of Main Cracks. Where required at any height at any point complete in all respects as required by engineer in charge								
		1	600		7	4200.00			
						4200.00	Cft		
27	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 fittings of approved make, including cost of fabrication, iron lugs, cutting holes, and making good the damages.								
	Description same as in Item No. 28-7-1 but with double leaf door with frame								
	(S.I.No. 28-8)								
	Main Gate								
		1	10.00		8.00	80.00	Sft		
					Total	80.00	Sft		
	TOTAL								
	ELECTRICAL WORKS								
	Description	Schedule item no		Quantity	Unit	Rate	Total		
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 Pak , Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings. (Concealed wiring with 3/4" 20 (mm)dia. PVC pipe conduit and accessories such as bends, elbows, junction boxes etc.)								
	Ground Floor	30-1 (a)		3	Point				
2	Concealed / open wiring from point to switch length upto 30 ft.(10m) including any switch to switch wiring with 3x1.5 mm PVC insulated single core copper conduct Pakistan Cables, Pioneer , Newage or as approved equivalent cables, (Concealed wiring with 3/4" 20 (mm) dia.PVC conduit and accessories such as bends, elbows , junction boxes etc.)								
	Ground Floor	30-3 (a)		3	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.								
	Ground Floor	30-4 (a)		5	Point				
4	Concealed/open wiring for two way light points such that two light points are controlled by 2 numbers two way switches and length from (12.5 m) with 3 x 1.5 Sq mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables. switches to point is upto 40 ft.								
	Ground Floor	30-6 (a)		3	Point				
5	Concealed/open wiring for 5 Amp. Socket outlets from nearest available circuit with a length upto 20 ft. (6m) 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)								
	Ground Floor	30-8 (a)		3	Point				
6	Wiring of Power Plug 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.								
	Ground Floor	30-9 (a)		3	Rft				
7	Wiring of 5 Amps. socket outlet with 2.5 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. (for Lighting Circut From Switch Board To Other Boards)								

	Ground Floor	30-10	10	Rm		
8	Supply and install 1-gang, 5 Amp, 250 Volt, . plate type moulded switch including appropriate size plastic box to be fixed recessed in wall.					
	Ground Floor	30-11	6	No.		
9	Supply and install 2-gang, 5 Amp, 250 Volt, . plate type moulded switch including appropriate size plastic box to be fixed recessed in wall.					
	Ground Floor	30-12	3	No		
10	Supply and install 3-gang, 5 Amp, 250 Volt, . plate type moulded switch including appropriate size plastic box to be fixed recessed in wall.					
	Ground Floor	30-13	3	No.		
11	Supply and install 4-gang, 5 Amp, 250 Volt, . plate type moulded switch including appropriate size plastic box to be fixed recessed in wall.					
	Ground Floor	30-14	3	No.		
12	Supply and installation of 5 Amp. 250 Volt, moulded, two-way single pole, flush mounting type light control single switch including appropriate size plastic box to be fixed recessed in wall.					
	Ground Floor	30-15	3	No.		
13	Supply and install combined 2/3 pin 5 Amps, 250 Volt switch socket including plastic box to be fixed recessed in wall.					
	Ground Floor	30-19	3	No.		
14	Supply and install combined 3 pin 15 Amps. 250 Volt switch socket including plastic box to be fixed recessed in wall.					
	Ground Floor	30-20	3	No.		
15	Supply and installation of 1" (25mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.					
	Ground Floor	30-22	30	Rft		
16	Supply and install surface mounted fluorescent light fixture with batten and one No. 20W. Lamps, Philips type P-120 or approved equivalent.					
	Ground Floor	30-68	5	No.		
17	Supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories.					
	Ground Floor	30-87	5	No.		
18	Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.					
	Ground Floor	30-113	2	Each		
19	Supply and install distribution board, 18 SWG steel sheet 18"x24" enclosure, suitable for recess mounting, comprising incoming MCCB-TP/100A, Outgoing 9 single phase MCB of various capacity with internal wiring earthing, neutral link etc. along with three Digital Amp. meters with lights.					
	Ground Floor	30-115	1	Job		
20	Extra for installing each number circuit breaker 6 Ampere on same distribution board and bus bar (For outgoing)					
	Ground Floor	30-116 a	1	Job		
21	Light Fixture Philips Type LED 13W Bulb ,complete in all respect with allied accessories or approved equivalent. The fitting shall be approved by the Engineer. (for Item no 30-74)					
	Ground Floor	30-124 (a)	20	Each		
22	Supply and install Electric motors with pump including all accessories. 1/2 HP electric motor with pump					
	Ground Floor	30-118 (b)	1	Each		
	Total					

PLUMBING WORKS									
SEWERAGE AND WATER SUPPLY									
S.NO	DESCRIPTION	NO	L	W	D/H	QUANTITY	UNIT	RATE (Pak Rs)	AMOUNT (Pak Rs)
	SEWERAGE AND WATER SUPPLY								
	BATH ROOM FIXTURES AND ACCESSORIES								
1	Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.								
	W.C. Indian/Desi/902 with glazed earthen ware 4" (100 mm) trap								
	(S.I No. 23-2-ai)								
		2				2.00	Each		
2	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.								
	Wash basin 24" (610 mm) Futura without pedestal								
	Extra over above for providing and fixing white glazed earthen ware pedestal manufactured by ICL/Karam Cera or approved equivalent make.								
	(S.I No. 23-5 b-i+d)								
		2				2.00	Each		
3	Providing and fixing superior quality C.P. bib cock of approved make.								
	1/2" (12 mm) dia.								
	(S.I No. 23-34 ba)								
		4				4.00	Each		
4	Providing and fixing C.P. brass telephonic shower including holder clamps, screw and bib cock.								
	(S.I No. 23-12-1)	2				2.00	Each		
						2.00	Each		
5	Providing and fixing soap dish.								
	(S.I No. 23-29 a)								
		2				2.00	Each		
						2.00	Each		
6	Providing and fixing approved quality chromium plated towel rail with bracket and screws.								
	(S.I No. 23-13-a)								
		2				2.00	Each		
						2.00	Each		
	WATER SUPPLY								
7	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								
	(S.I No. 27-47)								
		1	150.0			150.00	RM		
	SEWERAGE SYSTEM								

8	Providing and fixing floor trap 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								
	C.I. floor trap 6" x 2" and 6" x 3" size with grating.								
	(S.I No. 23-9a)								
		8				8.00	Each		
9	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.								
		2				2.00	Each		
		1				1.00	Each		
10	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.								
	Class B								
	(S.I No. 25-20b)								
	3" dia	1	20.00	-	-	20.00	Rm		
	4" dia (Including Rain Pipe)	1	10.00	-	-	10.00	Rm		
	6" dia	1	20.00	-	-	20.00	Rm		
11	Earth work excavation undressed, lead upto a single throw of kassi,phaorah, shovel. In ordinary soil								
	(S.I No. 3-1a2)								
		1	8.00	2.00	3.00	48.00	Cft		
	Manhole	6	3.00	3.00	2.50	135.00	Cft		
							Cft		
						201.30	Cft		
12	Providing and fixing gulley trap 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".								
	Cement concrete gulley trap 6" x 6" x 4" (150 x 150 x 100 mm) with C.I. cover and frame weighing not less than 10 kg.								
	(S.I No. 25-2a)								
		2				2.00	Each		
						2.00	Each		
13	Providing and fixing LDPE overhead tank manufactured by Dura or equivalent on top of any floor								
	b) 500 gallons capacity								
	(S.I No. 27-44 b)								
		1				1.00	Each		
						1.00	Each		
	TOTAL								

REHABILITATION OF BHU KILLI KHAIRO AT DERA BUGTI		
ABSTRAT OF COST		
No.	DESCRIPTION	AMOUNT Rs.
1	CIVIL WORKS	
2	ELECTRICAL WORKS	
3	PLUMBING WORKS	
4	TOTAL	4700813.735

REHABILITATION OF BHU KILLI KHAIRO AT DERA BUGTI									
GROUND FLOOR									
BILL OF QUANTITIES									
S.NO	DESCRIPTION	NO	L	W	D/H	QUANTITY	UNIT	RATE (Pak Rs)	AMOUNT (Pak Rs)
	BUILDING CIVIL WORKS								
1	Providing and laying 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)								
	Roof Screeding								
	Kitchen	1.0	7.0	8.0		56.00	Sft		
	Room1	1.0	11.5	12.0		138.00	Sft		
	Room2	1.0	16.0	12.0		192.00	Sft		
	Room3	1.0	14.0	12.0		168.00	Sft		
	Room4	1.0	15.0	12.0		180.00	Sft		
	Store room	1.0	7.0	12.0		84.00	Sft		
	Washroom 1	1.0	6.0	12.0		72.00	Sft		
	Washroom 2	1.0	6.0	12.0		72.00	Sft		
	Corridor	1.0	8.6	12.0		103.20	Sft		
					Total	1065.20	Cft		
2	Providing and applying two coats of High Albedo paint having a minimum Solar Reflective Index (SRI) of 108 (with solar reflectance and thermal emittance tested as per ASTM C1549 and ASTM C1371 respectively). The coating thickness and the methodology of application shall be strictly as per the manufacturer's specifications and as approved by the Engineer-in-charge. Surface preparation includes cleaning with a metal wire brush to remove all dust, fungus, etc., and washing with water. All work to be completed as per the directions of the Engineer-in-charge. The contractor shall provide a guarantee for the performance of the SRI and the durability of the coating, all complete as per the direction of the Engineer-in-charge (at least 0.5 liters per square meter).								
	(S.I No. 13 -68)								
	High Albedo paint for Roof Seepage								
	Kitchen	1.0	7.0	8.0		56.00	Sft		
	Room1	1.0	11.5	12.0		138.00	Sft		
	Room2	1.0	16.0	12.0		192.00	Sft		
	Room3	1.0	14.0	12.0		168.00	Sft		
	Room4	1.0	15.0	12.0		180.00	Sft		
	Mini Store room	1.0	7.0	12.0		84.00	Sft		
	Washroom 1	1.0	6.0	12.0		72.00	Sft		
	Washroom 2	1.0	6.0	12.0		72.00	Sft		
	Corridor	1.0	8.6	12.0		103.20	Sft		
					Total	1065.20	Cft		
3	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.								
	With wire netting 1-1/2" (38mm) mesh - 18 gauge (1.4mm) thick								
	(S.I No. 15 -22 b)								
	Chicken Mesh with Plaster for Cracks Repair								
		10	15.00	1.00		150.00	Sft		
					Total	150.00	Sft		
6	Earthfilling from any nearer source for embankment lead upto 1000 M and compaction by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering. Earthfilling will be in layers about 1 feet layer & will be compacted by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering.								
		1.0	80.0	70.0	1.5	8400.00			
						8400.00	Sft		

4	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.								
	(S.I No. 14-2 a iv)								
	P.C.C 1:2:4 in Plinth Protection	1	200.00	2.00	-	400.00			
					Total	400.00	Sft		
5	Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 guage made by shah industries or equivalent standard conforming to Block.S. 1245, treated with spacial primer base paint all round, fitted with six fixing lugs, three steel hinges for fixing door shutters, standard lock-strick plate, one sliding holt eye and three rubber buffers including cutting and making good damages to walls and filling the door frame cavity with lean cement mortar 1:4 as directed by the engineer incharge.								
c	Item same as above except moulded steel door frame manufactured from zinc coated mild steel 18 guage sheet instead of 16 guage								
	(S.I No. 28-40 c i)								
	Steel Door Frames								
	D	8	6.00	3.000	-	144.00	Rft		
					Total	144.000	Rft		
6	Providing and fixing First class deodar wood shutters fully panelled with same wood and fixed with approved brass hinges and tower bolts.								
	1.75" (44 mm) thick fully panelled shutters.								
	(S.I No. 16-7 b)								
	Wooden Door Shutters								
	D	8		3.00	6.00	288.00	Sft		
					Total	288.00	Sft		
8	Providing and fixing fully double glazed aluminium windows (Deluxe model) of anodized Shampagne or approved color of Alcop, Pakistan Cable or any approved section including Aluminium fittings, hungs, cutting holes and making good damages to walls including 5 mm thick tinted tempered glass.								
	(S.I No. 28-25-1)								
	Aluminum windows, ventilators								
	W	6	6.00		5.00	180.00	Sft		
					Total	180.00	Sft		
9	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 - 1)								
	Iron Grills on Windows								
	W	6	6.00		5.00	180.00	Sft		
					Total	180.00	Sft		
10	Painting with IC/Berger or equivalent plastic emulsion paint of approved shade in two or more coats as per manufacturer's instructions on plastered rendered and/or concrete surface over and including the cost of priming coat, surface preparation, dusting, rubbing down smooth, filling cracks, holes removing blisters and other blisters and other imperfections in ground floor or basement. (@ atleast 1.65 Litre per 10 Sq.m)								
	(S.I No. 17- 8-1)								
	Intrenal Paint with Plastic Emulsion		Area						
	Ceiling Area	1	1065.00			1065.00	Sft		
	Internal Walls area	1	63.50		12.00	762.00	Sft		
					Net	1827.00	Sft		

11	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.								
	(S.I No. 17-69 -1)								
	External Paint with Weather Coat		Area						
	External Walls area	1	100.00		10.00	1000.00	Sft		
		1	150.00		10.00	1500.00	Sft		
					Net	2500.00	Sft		
12	Applying french or spirit polish of approved make on wood work in ground floor or basement. Two coats (@ atleast 1.65 Litre per 10 Sq.m)								
	(S.I No. 17-15 b)								
	Polishing on Wood work		Area						
		8	7.00	3.00		168.00	Sft		
					Net	168.00	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)								
	Painting on Iron work		Area						
		2	207.00			414.00	Sft		
					Net	414.00	Sft		
14	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.								
	1/2" (13 mm) thick marble tiles floor								
	(S.I No. 14-9a)								
	Kitchen	1.0	7.0	8.0		56.00	Sft		
	Room1	1.0	15.5	11.5		178.25	Sft		
	Room2	1.0	13.0	16.0		208.00	Sft		
	Room3	1.0	15.0	14.0		210.00	Sft		
	Room4	1.0	14.0	15.0		210.00	Sft		
	Mini Store room	1.0	6.0	7.0		42.00	Sft		
	Washroom 1	1.0	7.0	6.0		42.00	Sft		
	Washroom 2	1.0	7.0	6.0		42.00	Sft		
	Corridor	1.0	21.0	8.6		180.60	Sft		
					Total	1168.85	Sft		
16	Providing and fixing 3/8" (9mm) thick super white marble tiles dressed on the surface in dado/skirting and facing in ground floor over 1/2" (13mm) thick base of cement sand 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, curing, finishing, grinding, cleaning & polishing.								
	(S.I No. 14-54 a)								
	Marble Skirting and Dado (Internal building Walls)								
	Kitchen	1.0	7.0	8.0	0.5	15.00	Sft		
	Room1	1.0	15.5	12.0	0.5	27.50	Sft		
	Room2	1.0	13.0	12.0	0.5	25.00	Sft		
	Room3	1.0	15.0	12.0	0.5	27.00	Sft		
	Room4	1.0	14.0	12.0	0.5	26.00	Sft		
	Mini Store room	1.0	6.0	12.0	0.5	18.00	Sft		
	Washroom 1	1.0	7.0	12.0	0.5	19.00	Sft		
	Washroom 2	1.0	7.0	12.0	0.5	19.00	Sft		
	Corridor	1.0	21.0	12.0	0.5	33.00	Sft		
					Total	209.50	Sft		
17	Providing and laying Vitrified/ Porcelain (Imported but not Chinese) tiles in floor with different sizes, Glazed or Matt, local or imported as directed by the Engineer-In-Charge, laid with 6mm thick layer of cement based high polymer modified quick set tile adhesive . (It may be noted that reduction in the rate shall be made accordingly if the cost of purchase of tile is less than the base price).								
	(S.I No. 14-73 -a)								
	Glazed Tile Flooring in Toilet								
	Bath Rooms	2	5.00	6.00		60.00	Sft		
					Total	60.00	Sft		
18	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- 64 a)								
	Glazed Tile Dado in Toilet								
	Bath	2	22.00		6.00	264.00	Sft		
					Total	264.00	Sft		

19	(S.I.No. 16-66 d)								
	Internal Door Lock								
	Hyundi Lock	6	-	-	-	6.00	Each		
					Total	6.00	Each		
	(S.I.No. 16-66 a)								
20	Toilet Lock								
	Union Lock	2	-	-	-	2.00	Each		
					Total	2.00	Each		
	(S.I.No. 16-66 f)								
21	Hydraulic Door Closer								
	Hydraulic door closer, New star make	6				6.00	Each		
					Total	6.00	Each		
22	Providing and fixing approved sliding bolts or aldrop bolt of sizes with screws of same metal and galvanized iron bolts and nuts.								
	ii) 250 mm x 16 mm (10 ² x 5/8 ²) size								
	(S.I.No. 16-74 ii)								
	Sliding Bolts	6				6.00	Each		
					Total	6.00	Each		
23	Providing and fixing approved standard finger plate with screws.								
	b) Brass finger plate 150 mm x 57 mm (6 ² x 2-1/4 ²) with brass screws.								
	(S.I.No. 16-68 b)								
	Finger Plate	2				2.00	Each		
					Total	2.00	Each		
24	Supply and fixing of concrete pavers on sand cushion of different designs, having thickness of 50 mm, mechanically compressed, with a minimum strength of 4500 psi after laboratory testing at factory and random testing at site as and when desired by the Engineer in-charge, complete in all respects.								
	50mm thick,tuff tile Cloured								
	(S.I.No. 21-9 b)								
	Tuff Pavers								
		1	1500.00			1500.00	Sft		
					Total	1500.00	Sft		
25	Brick Masonry in Ratio (1:4) CSM-SR) (first class brick & Hill Sand) including 07 days curing for internal external sides, parapet wall on top of roof or Path way etc, as per Technical Specifications would be required) including Labor & material cost.								
	Boundary Wall 9"	1	300	0.75	7	1575.00			
					Total	1575.00	Rft		
26	Plaster of latrines,water shed,below D.P.C level,& pharapet wall (1:4) CSM 1/2" thick, as per standard & also 07 days curing, Quantity required as per attached approved design, Cement Elephant/Luckey 10,000 PSI, Fine Hill Sand free from debries would be required) including Labor, material, Dismantling of existing damaged Plaster, & Filling of Main Cracks. Where required at any height at any point complete in all respects as required by engineer in charge								
		1	600		7	4200.00			
						4200.00	Cft		
27	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 fittings of approved make, including cost of fabrication, iron lugs, cutting holes, and making good the damages.								
	Description same as in Item No. 28-7-1 but with double leaf door with frame								
	(S.I.No. 28-8)								
	Main Gate								
		1	10.00		8.00	80.00	Sft		
					Total	80.00	Sft		
	Total								

Electrical Work						
	Description	Schedule item no	Quantity	Unit	Rate	Amount
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 Pak , Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings. (Concealed wiring with 3/4" 20 (mm) dia. PVC pipe conduit and accessories such as bends, elbows, junction boxes etc.)					
	Ground Floor	30-1 (a)	3	Point		
2	Concealed / open wiring from point to switch length upto 30 ft.(10m) including any switch to switch wiring with 3x1.5 mm PVC insulated single core copper conduct Pakistan Cables, Pioneer , Newage or as approved equivalent cables, (Concealed wiring with 3/4" 20 (mm) dia.PVC conduit and accessories such as bends, elbows , junction boxes etc.)					
	Ground Floor	30-3 (a)	3	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.					
	Ground Floor	30-4 (a)	5	Point		
4	Concealed/open wiring for two way light points such that two light points are controlled by 2 numbers two way switches and length from (12.5 m) with 3 x 1.5 Sq mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables. switches to point is upto 40 ft.					
	Ground Floor	30-6 (a)	3	Point		
5	Concealed/open wiring for 5 Amp. Socket outlets from nearest available circuit with a length upto 20 ft. (6m) 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)					
	Ground Floor	30-8 (a)	3	Point		
6	Wiring of Power Plug 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.					
	Ground Floor	30-9 (a)	3	Rft		
7	Wiring of 5 Amps. socket outlet with 2.5 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. (for Lighting Circuit From Switch Board To Other Boards)					
	Ground Floor	30-10	10	Rm		
8	Supply and install 1-gang, 5 Amp, 250 Volt, plate type moulded switch including appropriate size plastic box to be fixed recessed I wall.					
	Ground Floor	30-11	6	No.		
9	Supply and install 2-gang, 5 Amp, 250 Volt, plate type moulded switch including appropriate size plastic box to be fixed recessed I wall.					
	Ground Floor	30-12	3	No		
10	Supply and install 3-gang, 5 Amp, 250 Volt, plate type moulded switch including appropriate size plastic box to be fixed recessed I wall.					
	Ground Floor	30-13	3	No.		
11	Supply and install 4-gang, 5 Amp, 250 Volt, plate type moulded switch including appropriate size plastic box to be fixed recessed I wall.					
	Ground Floor	30-14	3	No.		
12	Supply and installation of 5 Amp. 250 Volt, moulded, two-way single pole, flush mounting type light control single switch including appropriate size plastic box to be fixed recessed in wall.					
	Ground Floor	30-15	3	No.		
13	Supply and install combined 2/3 pin 5 Amps, 250 Volt switch socket including plastic box to be fixed recessed in wall.					
	Ground Floor	30-19	3	No.		
14	Supply and install combined 3 pin 15 Amps. 250 Volt switch socket including plastic box to be fixed recessed in wall.					
	Ground Floor	30-20	3	No.		
15	Supply and installation of 1" (25mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.					
	Ground Floor	30-22	30	Rft		

16	Supply and install surface mounted fluorescent light fixture with batten and one No. 20W. Lamps, Philips type P-120 or approved equivalent.					
	Ground Floor	30-68	5	No.		
17	Supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories.					
	Ground Floor	30-87	5	No.		
18	Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.					
	Ground Floor	30-113	2	Each		
19	Supply and install distribution board, 18 SWG steel sheet 18"x24" enclosure, suitable for recess mounting, comprising incoming MCCB-TP/100A, Outgoing 9 single phase MCB of various capacity with internal wiring earthing, neutral link etc. alongwith three Digital Amp. meters with lights.					
	Ground Floor	30-115	1	Job		
20	Extra for installing each number circuit breaker 6 Ampere on same distribution board and bus bar (For outgoing)					
	Ground Floor	30-116 a	1	Job		
21	Light Fixture Philips Type LED 13W Bulb ,complete in all respect with allied accessories or approved equivalent. The fitting shall be approved by the Engineer. (for Item no 30-74)					
	Ground Floor	30-124 (a)	5	Each		
22	Supply and install Electric motors with pump including all accessories. 1/2 HP electric motor with pump					
	Ground Floor	30-118 (b)	1	Each		
	Total					

Plumbing									
S.NO	DESCRIPTION	NO	L	W	D/H	QUANTITY	UNIT	RATE (Pak Rs)	AMOUNT (Pak Rs)
	SEWERAGE AND WATER SUPPLY								
	BATH ROOM FIXTURES AND ACCESSORIES								
1	Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.								
	W.C. Indian/Desi/902 with glazed earthen ware 4" (100 mm) trap								
	(S.I No. 23-2-ai)								
		2				2.00	Each		
2	Providing and fixing export quality glazed earthen ware wash basin manufactured by ICL Boch/Karam Cera or equivalent approved make with single hole chromium plated mixer tap 1/2" (15mm), pillar tap deluxe, stop cocks, C.I. or W.I. brackets 6" (150mm) built into walls 1.5" (40mm) C.P. brass waste with malleable iron or C.P. brass trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material.								
	Wash basin 24" (610 mm) Futura without pedestal								
	Extra over above for providing and fixing white glazed earthen ware pedestal manufactured by ICL/Karam Cera or approved equivalent make.								
	(S.I No. 23-5 b-i+d)								
		2				2.00	Each		
3	Providing and fixing superior quality C.P. bib cock of approved make.								
	1/2" (12 mm) dia.								
	(S.I No. 23-34 ba)								
		4				4.00	Each		
4	Providing and fixing C.P. brass telephonic shower including holder clamps, screw and bib cock.								
	(S.I No. 23-12-1)	2				2.00	Each		
						2.00	Each		
5	Providing and fixing soap dish.								
	(S.I No. 23-29 a)								
		2				2.00	Each		
						2.00	Each		
6	Providing and fixing approved quality chromium plated towel rail with bracket and screws.								
	(S.I No. 23-13-a)								
		2				2.00	Each		
						2.00	Each		
	WATER SUPPLY								
7	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								
	(S.I No. 27-47)								
		1	1500.0			5.00	RM		
	SEWERAGE SYSTEM								
8	Providing and fixing floor trap 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								
	C.I. floor trap 6" x 2" and 6" x 3" size with grating.								
	(S.I No. 23-9a)								
		4				4.00	Each		
8	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.								
		2				2.00	Each		

10	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.								
	Class B								
	(S.I No. 25-20b)								
	3" dia	1	5.00	-	-	5.00	Rm		
	4" dia (Including Rain Pipe)	1	5.00	-	-	5.00	Rm		
	6" dia	1	5.00	-	-	5.00	Rm		
11	Earth work excavation undressed, lead upto a single throw of kassi,phaorah, shovel. In ordinary soil								
	(S.I No. 3-1a2)								
		1	5.00	2.00	3.00	30.00	Cft		
	Manhole	6	3.00	3.00	2.50	135.00	Cft		
							Cft		
						181.50	Cft		
12	Providing and fixing gulley trap 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".								
	Cement concrete gulley trap 6" x 6" x 4" (150 x 150 x 100 mm) with C.I. cover and frame weighing not less than 10 kg.								
	(S.I No. 25-2a)								
		2				2.00	Each		
						2.00	Each		
13	Providing and fixing LDPE overhead tank manufactured by Dura or equivalent on top of any floor								
	b) 500 gallons capacity								
	(S.I No. 27-44 b)								
		1				1.00	Each		
						1.00	Each		
	Total								

DETAILED ESTIMATE FOR REHABILITATION BASIC HEALTH UNIT WASHAIN DISTRICT DERA BUGTI		
GENERAL ABSTRACT OF COST		
S.No	NAME OF WORK	AMOUNT
1	Cost of Civil work	
2	Cost of Tuff Paver	
3	Cost of Septic tank	
4	SUB TOTAL (Rs)	5,873,994.83

DETAILED ESTIMATE FOR REHABILITATION BASIC HEALTH UNIT WASHAIN DISTRICT DERA BUGTI												
Civil Work												
S. No.	Description of work	No.			Measurement			Quantity	Unit	Rate		Amount
					Length	Width	Height					
1	Dismantling reinforced cement concrete, separating reinforcement from concrete, clearing and straightening the same											
	SI No 4-20/a											
	Room	1	x	4	15.00	14.00	0.50	420.00	cft			
	Bath	1	x	2	7.00	7.00	0.50	49.00	cft			
								469.00	cft			
2	Providing rolled steel joists and channels including hoisting and fixing in position in cement concrete but excluding the cost of cement concrete											
	SI No 28-32											
	Room	1	x	4	14.00	4		224.00	kgs			
								224.00				
3	Providing M.S. Tees, angles and flats including fixing in position.											
	SI No 28-33											
	Room	1	x	4	17.50	16.50	1.50	1732.50	lbs			
	Bath	1	x	2	9.50	9.50	1.50	270.75	lbs			
								2003.25	lbs			
					5406/2.204			908.92	kg			
4	Providing and laying second class brick tile roofing comprising 4 inches (100mm) thick earth and 1 inch (25 mm) thick mud plaster with gobri leeping over 1/2 inch (13mm) thick cement plaster 1:6 with 34 lbs./100 Sq.ft.(1.65 Kg./Sq.m.) hot bitumen coating sand blended in one coat, provided over one layer of tiles 12" x 6"x 2" laid in 1:6 cement sand mortar including 1:2 cement sand pointing underside of tiles including curing											
	SI No 13-2/b											
	Room	1	x	4	17.50	16.50		1155.00	Sft			
	Bath	1	x	2	9.50	9.50		180.50	Sft			
								1335.50	Sft			
5	Providing and laying 1:2:4 P.C.C roof screeding using crushed stone 3/4" (19mm) including formwork, consolidation, finishing and curing. 1-1/2" (37.5mm) nominal thick P.C.C. roof screeding											
	(SI No. 14-68 /c)											
	Room	1	x	4	17.50	16.50		1155.00	Sft			
	Bath	1	x	2	9.50	9.50		180.50	Sft			
							Total	1335.50	Sft			
6	Scraping, rubbing and cleaning of oil bound distemper from ceiling and walls including removal of rubbish in ground floor											
	(SI No. 17-51-1)											
	Ceiling											
	Room	1	x	4	15.00	14.00		840.00	Sft			
	Bath	1	x	2	7.00	7.00		98.00	Sft			
	Walls											
		2	x	4	29.00		12.00	2784.00	Sft			
		2	x	2	14.00		12.00	672.00	Sft			
							TOTAL	4394.00				
	Projection	1	x	1	120.00	2.50		300.00	Sft			
							Sub Total	4694.00	Sft			
	Deduction											
	D	4	x	1	3.50		6.50	91.00	Sft			
	D2	2	x	1	2.50		6.50	32.50	Sft			
	W1	4	x	1	4		5.00	80.00	Sft			
							Total	203.50	Sft			
							Net Qty.	4490.50	Sft			
7	Distemping with Berger/ ICI or equivalent synthetic vinyl emulsion paint of approved shade on old surface of walls and ceiling including dusting, sand papering and cleaning in ground floor.											
	(SI No. 17-60 b)											
	Ceiling and Internal walls Quantity	1	x	2	4394.0		Net Qty.	8788.00	Sft			
8	Painting old surface in ground floor or basement with ICI/Berger or equivalent											
	(SI No. 17-31 b)											
	Qty of Door and Windows	1	x	2			Net Qty.	203.50	Sft			

[illegible]

ELECTRICAL WORK											
30	Concealed wiring from point to switch with 3/4" (20 mm) dia. PVC conduit 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	10	x	1				10.00	Point		
31	Concealed wiring for 5 Amp. Socket outlets from nearest available circuit with 3/4" (20 mm) dia. PVC conduit length upto 20 ft. (6m) with 3x1.5 Sq.mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables										
	S.I No. 30-8 a	12	x	1				12.00	Point		
32	Supply and install 2-gang, 5 Amp, 250 Volt,, plate type moulded switch including appropriate size plastic box to be fixed recessed in wall.										
	S.I No. 30-12	12	x	1				12.00	No.		
33	Supply and install combined 2/3 pin 5 Amps, 250 Volt switch socket unit including plastic box to be fixed recessed in wall.										
	S.I No. 30-19	12	x	1				12.00	No.		
34	Supply and install Energy Saver electric bulbs										
	S.I No. 30-117 c	26	x	1				26.00	No.		
35	Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.										
	S.I No. 30-113	6	x	1				6.00	No.		
36	Installing each number circuit breaker 6 Ampere on same distribution board and bus bar (For outgoing)										
	S.I No. 30-116 b	1	x	2				2.00	No.		
	Total										

Tuff Tiles									
1	Earthwork for embankment lead upto 100 ft. (30m) and compaction by Manual (Maximum Area 250 Sft) labour at optimum moisture content, dressing to designed section, laying, leveling and watering	Measurement			Quantity	Unit	Rate		Amount
	SI.NO(3-6/b)				11250	Cft			
2	Supply and Fixing of Concrete pavers on sand cushion of different designs having thickness of 60 mm, mechanically compressed, minimum strenght of 4500 psi after laboratory testing at factory and random testiing at site as and when desired by the Engineer inchange comple in all respects. (No PCC work is premitted underneath this item of work)								
	SI.NO(21-91/b)				2000	Sft			
3	Providing and laying plain machine mixed cement concrete using coarse sand and crushed aggregate having maximum size upto 11/2" (38mm) & down gauge in foundation including levelling, compacting and curing.								
	SI.NO(5-5/a)				38	Cft			
Total									

SEPTIC TANK										
S. No.	Description of work	No.	Length	Width	Height	Quantity	Unit	Rate		Amount
1	Excavation in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m)									
	(S.I No. 3-21 A iv)									
	Excavation for Septic Tank	1	10.50	6.50	7.00	477.75				
			Total			477.75	Cft			
2	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.									
	(S.I No. 5 - 8 e)									
	P.C.C 1:4:8 in Foundation	1	10.00	6.00	0.38	22.50	Cft			
			Total			22.50				
3	Providing and laying 1:2:4 cement concret block masonry using coarse sand and aproved crushed aggregate 3/4" (19mm) & down guage in foundation, basement and plinth including scaffolding, raking out joints and curing									
	Same as item 9-6 but in 1:3:6 cement concrete block masonry.									
	(S.I No. 9-7 c ii)									
	Block masonry in Super Structure 8" thick									
	Long side	2	7.000	0.67	6.00	56.28	Cft			
	Short side	2	5.000	0.67	6.00	40.20	Cft			
	Partition	2	5.000	0.67	6.00	40.20	Cft			
			Total			136.68	Cft			
4	Cement plaster using Coarse Sand on soffits of ceiling, cantilever slabs, sides and soffits of beams, in basement and ground floor including making edges, corners and curing.									
	1/2 inch (13mm) thick cement sand plaster (1:4 Ratio)									
	(S.I No. 15- 1a3)									
	Ceiling Cement Plaster 1:4									
	Long side	2	10.000	-	7.00	140.00	Sft			
	Short side	2	6.000	-	7.00	84.00	Sft			
	Partition	2	6.000	-	7.00	84.00	Sft			
			Total			308.000	Sft			
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)									
	R.C.C 1:2:4 Top Slab									
		1	10.000	6.000	0.50	30.00	Cft			
			Total			30.00	Cft			
6	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									
	(S.I.NO 5-65-a)									
	Reinforcement	30	68.42			0.07	Tonne			
			Total			0.07	Tonne			
	Total									

REHABILITATION OF BHU KILLI ZAHID ALI CHOTO KOHAN AT DERA BUGTI		
ABSTRAT OF COST		
No.	DESCRIPTION	AMOUNT Rs.
1	CIVIL WORKS	
2	ELECTRICAL WORKS	
3	PLUMBING WORKS	
4	TOTAL	4,694,416.46

REHABILITATION OF BHU KILLI ZAHID ALI CHOTO KOHAN AT DERA BUGTI									
GROUND FLOOR									
BILL OF QUANTITIES									
S.NO	DESCRIPTION	NO	L	W	D/H	QUANTITY	UNIT	RATE (Pak Rs)	AMOUNT (Pak Rs)
	BUILDING CIVIL WORKS								
1	Providing and laying 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)								
	Roof Screeding								
	Room1	1.0	14.0	14.0		196.00	Sft		
	Room2	1.0	14.0	14.0		196.00	Sft		
	Room3	1.0	15.0	14.0		210.00	Sft		
	Verendah	1.0	28.0	10.0		280.00	Sft		
	Washroom 1	1.0	7.0	7.0		49.00	Sft		
					Total	931.00	Sft		
2	3/4 inch (19mm) thick cement plaster 1:4 using Coarse Sand on walls and columns in ground floor including making edges, corners and curing.								
	S.I No. 15-4 iii								
	Room1	1.0	14.0	14.0	6.0	336.00	Sft		
	Room2	1.0	14.0	14.0	6.0	336.00	Sft		
	Room3	1.0	15.0	14.0	6.0	348.00	Sft		
	Verendah	1.0	28.0	10.0	6.0	288.00	Sft		
	Washroom 1	1.0	7.0	7.0	6.0	168.00	Sft		
	Outer Walls	1.0	35.0	30.0	10.0	1300.00			
					Total	2776.00	Sft		
3	Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 guage made by shah industries or equivalent standard conforming to Block.S. 1245, treated with spacial primer base paint all round, fitted with six fixing lugs, three steel hinges for fixing door shutters, standard lock-strick plate, one sliding holt eye and three rubber buffers including cutting and making good damages to walls and filling the door frame cavity with lean cement mortar 1:4 as directed by the engineer incharge.								
c	Item same as above except moulded steel door frame manufactured from zinc coated mild steel 18 guage sheet instead of 16 guage								
	(S.I No. 28-40 c i)								
	Steel Door Frames								
	D	4	3.50	-	7.000	84.00	Rft		
					Total	84.000	Rft		
4	Providing and fixing First class deodar wood shutters fully panelled with same wood and fixed with approved brass hinges and tower bolts.								
	1.75" (44 mm) thick fully panelled shutters.								
	(S.I No. 16-7 b)								
	Wooden Door Shutters								
	D	4	3.50	-	7.00	98.00	Sft		
					Total	98.00	Sft		
5	Providing and fixing fully double glazed aluminium windows (Deluxe model) of anodized Champagne or approved color of Alcop, Pakistan Cable or any approved section including Aluminium fittings, hungs, cutting holes and making good damages to walls including 5 mm thick tinted tempered glass.								
	(S.I No. 28-25-1)								
	Aluminum windows, ventilators								
	W	6	6.00		5.00	180.00	Sft		
					Total	207.00	Sft		

6	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 - 1)							
	Iron Grills on Windows							
	W	6	6.00		5.00	180.00	Sft	
					Total	207.00	Sft	
7	Painting with ICI/Berger or equivalent plastic emulsion paint of approved shade in two or more coats as per manufacturer's instructions on plastered rendered and/or concrete surface over and including the cost of priming coat, surface preparation, dusting, rubbing down smooth, filling cracks, holes removing blisters and other blisters and other imperfections in ground floor or basement. (@ atleast 1.65 Litre per 10 Sq.m)							
	(S.I No. 17- 8-1)							
	Intrenal Paint with Plastic Emulsion							
	Internal Walls area	1				2776.00	Sft	
					Total	2776.00	Sft	
8	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.							
	(S.I No. 17-69 -1)							
	External Paint with Weather Coat		Area					
	External Walls area	1	50.00	40.00	12.00	2160.00	Sft	
					Net	2160.00	Sft	
9	Applying french or spirit polish of approved make on wood work in ground floor or basement							
	Two coats (@ atleast 1.65 Litre per 10 Sq.m)							
	(S.I No. 17-15 b)							
	Polishing on Wood work		Area					
		1	148.00			148.00	Sft	
					Net	148.00	Sft	
10	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.							
	1/2" (13 mm) thick marble tiles floor							
	(S.I No. 14-9a)							
	Room1	1.0	14.0	14.0		196.00	Sft	
	Room2	1.0	14.0	14.0		196.00	Sft	
	Room3	1.0	15.0	14.0		210.00	Sft	
	Verendah	1.0	28.0	10.0		280.00	Sft	
	Washroom 1	1.0	7.0	7.0		49.00	Sft	
					Total	931.00	Sft	
11	Providing and fixing 3/8" (9mm) thick super white marble tiles dressed on the surface in dado/skirting and facing in ground floor over 1/2" (13mm) thick base of cement sand 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, curing, finishing, grinding, cleaning & polishing.							
	(S.I No. 14-54 a)							
	Marble Skirting and Dado (Internal building Walls)							
	Room1	1.0	14.0	14.0	0.5	28.00	Sft	
	Room2	1.0	14.0	14.0	0.5	28.00	Sft	
	Verendah	1.0	28.0	10.0	0.5	38.00	Sft	
					Total	94.00	Sft	

12	Providing and laying Vitrified/ Porcelain (Imported but not Chinese) tiles in floor with different sizes, Glazed or Matt, local or imported as directed by the Engineer-In-Charge, laid with 6mm thick layer of cement based high polymer modified quick set tile adhesive . (It may be noted that reduction in the rate shall be made accordingly if the cost of purchase of tile is less than the base price).							
	(S.I No. 14-73 -a)							
	Glazed Tile Flooring in Toilet							
	Bath Rooms	2	7.00	7.00		98.00	Sft	
					Total	98.00	Sft	
13	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- 64 a)							
	Glazed Tile Dado in Toilet							
	Bath	2	28.00		6.00	336.00	Sft	
					Total	386.40	Sft	
14	(S.I.No. 16-66 d)							
	Internal Door Lock							
	Hyundi Lock	6	-	-	-	6.00	Each	
					Total	6.00	Each	
	(S.I.No. 16-66 a)							
15	Toilet Lock							
	Union Lock							
		2	-	-	-	2.00	Each	
					Total	2.00	Each	
	(S.I.No. 16-66 f)							
16	Hydraulic Door Closer							
	Hydraulic door closer, New star make							
		6				6.00	Each	
					Total	6.00	Each	
17	Providing and fixing approved sliding bolts or aldrop bolt of sizes with screws of same metal and galvanized iron bolts and nuts.							
	ii) 250 mm x 16 mm (10 ² x 5/8 ²) size							
	(S.I.No. 16-74 ii)							
	Sliding Bolts							
		6				6.00	Each	
					Total	6.00	Each	
18	Providing and fixing approved standard finger plate with screws.							
	b) Brass finger plate 150 mm x 57 mm (6 ² x 2-1/4 ²) with brass screws.							
	(S.I.No. 16-68 b)							
	Finger Plate	2				2.00	Each	
					Total	2.00	Each	
19	Supply and fixing of concrete pavers on sand cushion of different designs, having thickness of 50 mm, mechanically compressed, with a minimum strength of 4500 psi after laboratory testing at factory and random testing at site as and when desired by the Engineer In-charge, complete in all respects.							
	50mm thick,tuff tile Cloured							
	(S.I.No. 21-9 b)							
	Tuff Pavers							
		1	2500.00			2500.00	Sft	
					Total	2500.00	Sft	

Boundary Wall									
20	Earthfilling from any nearer source for embankment lead upto 1000 M and compaction by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering. Earthfilling will be in layers about 1 feet layer & will be compacted by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering.								
		1	70	50	1.5	5250			
					Total	5250	Sft		
21	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 iii)								
	Excavation for foundation								
		2	62.50	2.00	2.00	500.00			
		2	62.50	2.00	2.00	500.00			
						1000.00	Cft		
22	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.								
	1:4:8 (1 cement: 4 sand and 8 crushed stone).								
	(S.I No. 5-8-e)								
	Lean Concrete								
		2	62.50	2.00	0.25	62.50			
		2	62.50	2.00	0.25	62.50			
						125.00	Cft		
23	Providing and laying first class solid burnt brick masonry including scaffolding, raking out joints and curing in ground floor superstructure.								
	(S.I No. 11-12 (biii))								
	B.B Masonry 13"	2	62.50	1.08	3.00	406.25			
	B.B Masonry 9"	2	62.50	0.75	8.00	750.00			
						1156.25	Cft		
24	Providing and laying 1" (25mm) thick damp proof course with 1:2:4 cement concrete using Coarse Sand and crushed aggregate 1/2" (13mm) and down gauge mixed with any approved water proofing agent including compacting, curing, formwork and its removal cost of water proofing agent will be paid separately.								
	(S.I.NO 8-3 a)	2	62.50	1.08	-	135.00			
		2	62.50	1.08	-	135.00			
						270.00	Sft		
25	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.								
	(S.I No. 5-27 a)								
	Coping	2	50.00	1.125	0.25	28.13			
		2	50.00	1.125	0.25	28.13			
	Coping on wall					73.13	Cft		

26	3/4" inch (19 mm) thick cement plaster using coarse sand on walls and column in basement, plinth and ground floor including making edges, corners and curing.								
	(S.I No. 15-4-iii)								
	C.Plaster on Walls 1:4								
	Plaster on wall on both sides	4	50.00		7.00	1400.00			
		4	50.00		7.00	1400.00			
						3220.00			
						4186.00	Sft		
27	Hollow Column for Main Gate: Brick Masonry in Ratio (1:4) CSM-SR) (first class brick & Hill Sand) including 07 days curing for internal external sides, parapet wall on top of roof or Path way etc, as per Technical Specifications would be required) including Labor & material cost.								
	(S.I No. 11-12 (biii))								
		2.00	3.00	3.00	7.00	126.00	cft		
28	RCC (1:2:4) Column Including Steel for Main Gate	2.00	0.75	0.75	7.00	21.00	cft		
29	Providing Installing and fixing G.I Steel framed main gate with all accessories in complete 10'x8' size (18 gauge)	1.00				1.00	Job		
30	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.								
	(S.I No. 17-69-1)								
	External Painting	2	50.00	-	6.25	625.00			
		2	50.00	-	6.25	625.00			
						1250.00			
						1625.00	Sft		
	Total								

Electrical								
	Description	Schedule item no	Quantity	Unit	Rate	Total		
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 Pak , Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings. (Concealed wiring with 3/4" 20 (mm)dia. PVC pipe conduit and accessories such as bends, elbows, junction boxes etc.)							
	Ground Floor	30-1 (a)	3	Point				
2	Concealed / open wiring from point to switch length upto 30 ft.(10m) including any switch to switch wiring with 3x1.5 mm PVC insulated single core copper conduct Pakistan Cables, Pioneer , Newage or as approved equivalent cables, (Concealed wiring with 3/4" 20 (mm) dia.PVC conduit and accessories such as bends, elbows , junction boxes etc.)							
	Ground Floor	30-3 (a)	3	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.							
	Ground Floor	30-4 (a)	5	Point				
4	Concealed/open wiring for two way light points such that two light points are controlled by 2 numbers two way switches and length from (12.5 m) with 3 x 1.5 Sq mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables. switches to point is upto 40 ft.							
	Ground Floor	30-6 (a)	3	Point				
5	Concealed/open wiring for 5 Amp. Socket outlets from nearest available circuit with a length upto 20 ft. (6m) 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)							
	Ground Floor	30-8 (a)	3	Point				
6	Wiring of Power Plug 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.							
	Ground Floor	30-9 (a)	3	Rft				
7	Wiring of 5 Amps. socket outlet with 2.5 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. (for Lighting Circut From Switch Board To Other Boards)							
	Ground Floor	30-10	10	Rm				
8	Supply and install 1-gang, 5 Amp, 250 Volt,. plate type mouldedn switch including appropriate size plastic box to be fixed recessed I wall.							
	Ground Floor	30-11	6	No.				
9	Supply and install 2-gang, 5 Amp, 250 Volt,. plate type mouldedn switch including appropriate size plastic box to be fixed recessed I wall.							
	Ground Floor	30-12	3	No				
10	Supply and install 3-gang, 5 Amp, 250 Volt,. plate type mouldedn switch including appropriate size plastic box to be fixed recessed I wall.							
	Ground Floor	30-13	3	No.				
11	Supply and install 4-gang, 5 Amp, 250 Volt,. plate type mouldedn switch including appropriate size plastic box to be fixed recessed I wall.							
	Ground Floor	30-14	3	No.				
12	Supply and installation of 5 Amp. 250 Volt, moulded, two-way single pole, flush mounting type light control single switch including appropriate size plastic box to be fixed recessed in wall.							
	Ground Floor	30-15	3	No.				

13	Supply and install combined 2/3 pin 5 Amps, 250 Volt switch socket including plastic box to be fixed recessed in wall.					
	Ground Floor	30-19	3	No.		
14	Supply and install combined 3 pin 15 Amps. 250 Volt switch socket including plastic box to be fixed recessed in wall.					
	Ground Floor	30-20	3	No.		
15	Supply and installation of 1" (25mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.					
	Ground Floor	30-22	30	Rft		
16	Supply and install surface mounted fluorescent light fixture with batten and one No. 20W. Lamps, Philips type P-120 or approved equivalent.					
	Ground Floor	30-68	5	No.		
17	Supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories.					
	Ground Floor	30-87	5	No.		
18	Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.					
	Ground Floor	30-113	2	Each		
19	Supply and install distribution board, 18 SWG steel sheet 18"x24" enclosure, suitable for recess mounting, comprising incoming MCCB-TP/100A, Outgoing 9 single phase MCB of various capacity with internal wiring earthing, neutral link etc. alongwith three Digital Amp. meters with lights.					
	Ground Floor	30-115	1	Job		
20	Extra for installing each number circuit breaker 6 Ampere on same distribution board and bus bar (For outgoing)					
	Ground Floor	30-116 a	1	Job		
21	Light Fixture Philips Type LED 13W Bulb ,complete in all respect with allied accessories or approved equivalent. The fitting shall be approved by the Engineer. (for Item no 30-74)					
	Ground Floor	30-124 (a)	5	Each		
22	Supply and install Electric motors with pump including all accessories. 1/2 HP electric motor with pump					
	Ground Floor	30-118 (b)	1	Each		
Total						

SEWERAGE AND WATER SUPPLY									
S.NO	DESCRIPTION	NO	L	W	D/H	QUANTITY	UNIT	RATE (Pak Rs)	AMOUNT (Pak Rs)
	BATH ROOM FIXTURES AND ACCESSORIES								
1	Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.								
	W.C. Indian/Desi/902 with glazed earthen ware 4" (100 mm) trap								
	(S.I No. 23-2-ai)								
		2				2.00	Each		
2	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.								
	Wash basin 24" (610 mm) Futura without pedestal								
	Extra over above for providing and fixing white glazed earthen ware pedestal manufactured by ICL/Karam Cera or approved equivalent make.								
	(S.I No. 23-5 b-i+d)								
		2				2.00	Each		
3	Providing and fixing superior quality C.P. bib cock of approved make.								
	1/2" (12 mm) dia.								
	(S.I No. 23-34 ba)								
		4				4.00	Each		
4	Providing and fixing C.P. brass telephonic shower including holder clamps, screw and bib cock.								
	(S.I No. 23-12-1)	2				2.00	Each		
						2.00	Each		
5	Providing and fixing soap dish.								
	(S.I No. 23-29 a)								
		2				2.00	Each		
						2.00	Each		
6	Providing and fixing approved quality chromium plated towel rail with bracket and screws.								
	(S.I No. 23-13-a)								
		2				2.00	Each		
						2.00	Each		
	SEWERAGE SYSTEM								
8	Providing and fixing floor trap 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								
	C.I. floor trap 6" x 2" and 6" x 3" size with grating.								
	(S.I No. 23-9a)								
		4				4.00	Each		

9	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	Each		
	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				150.00	Rft		
10	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.								
	Class B								
	(S.I No. 25-20b)								
	3" dia	1	20.00	-	-	20.00	Rm		
	4" dia (Including Rain Pipe)	1	10.00	-	-	10.00	Rm		
	6" dia	1	20.00	-	-	20.00	Rm		
11	Earth work excavation undressed, lead upto a single throw of kassi,phaorah, shovel. In ordinary soil								
	(S.I No. 3-1a2)								
		1	5.00	2.00	3.00	30.00	Cft		
	Manhole	6	3.00	3.00	2.50	135.00	Cft		
							Cft		
						181.50	Cft		
12	Providing and fixing gulley trap 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".								
	Cement concrete gulley trap 6" x 6" x 4" (150 x 150 x 100 mm) with C.I. cover and frame weighing not less than 10 kg.								
	(S.I No. 25-2a)								
		2				2.00	Each		
						2.00	Each		
13	Providing and fixing LDPE overhead tank manufactured by Dura or equivalent on top of any floor								
	b) 500 gallons capacity								
	(S.I No. 27-44 b)								
		1				1.00	Each		
						1.00	Each		
Total									

REHABILITATION OF BHU SHEHZAD PESHPOGI AT DERA BUGTI		
ABSTRAT OF COST		
No.	DESCRIPTION	AMOUNT Rs.
1	CIVIL WORKS	
2	ELECTRICAL WORKS	
3	PLUMBING WORKS	
	TOTAL	2893993.36

REHABILITATION OF BHU SHEHZAD PESHPOGI AT DERA BUGTI									
GROUND FLOOR									
BILL OF QUANTITIES									
S.NO	DESCRIPTION	NO	L	W	D/H	QUANTITY	UNIT	RATE	AMOUNT
								(Pak Rs)	(Pak Rs)
	BUILDING CIVIL WORKS								
1	Providing and laying 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)								
	Roof Screeding								
	Room1	1.0	14.0	16.6		232.40	Sft		
	Room2	1.0	12.0	14.0		168.00	Sft		
	Room3	1.0	12.0	14.0		168.00	Sft		
	Room4 Patinet ward	1.0	24.0	20.0		480.00	Sft		
	Room5	1.0	12.0	14.0		168.00	Sft		
	Room 6 Mini Stor	1.0	16.5	10.0		165.00	Sft		
	Washroom 1	1.0	6.5	7.0		45.50	Sft		
	Washroom 2	1.0	6.5	7.0		45.50	Sft		
	Washroom 3	1.0	6.5	7.0		45.50	Sft		
	Washroom 4	1.0	6.5	7.0		45.50	Sft		
	Corridor	1.0	37.0	10.0		370.00	Sft		
	Room 1 MO Quarter	1.0	16.0	14.0		224.00	Sft		
	Room 2 MO Quarter	1.0	16.0	14.0		224.00	Sft		
	Vemda	1.0	12.0	8.0		96.00	Sft		
	Washroom 1	1.0	7.6	6.6		50.16	Sft		
	Kitchen	1.0	7.0	8.0		56.00	Sft		
					Total	2583.56	Sft		
3	Providing and applying two coats of High Albedo paint having a minimum Solar Reflective Index (SRI) of 108 (with solar reflectance and thermal emittance tested as per ASTM C1549 and ASTM C1371 respectively). The coating thickness and the methodology of application shall be strictly as per the manufacturer's specifications and as approved by the Engineer-in-charge. Surface preparation includes cleaning with a metal wire brush to remove all dust, fungus, etc., and washing with water. All work to be completed as per the directions of the Engineer-in-charge. The contractor shall provide a guarantee for the performance of the SRI and the durability of the coating, all complete as per the direction of the Engineer-in-charge (at least 0.5 liters per square meter).								
	(S.I No. 13 -68)								
	High Albedo paint for Roof Seepage								
	Room1	1.0	14.0	16.6		232.40	Sft		
	Room2	1.0	12.0	14.0		168.00	Sft		
	Room3	1.0	12.0	14.0		168.00	Sft		
	Room4 Patinet ward	1.0	24.0	20.0		480.00	Sft		
	Room5	1.0	12.0	14.0		168.00	Sft		
	Room 6 Mini Stor	1.0	16.5	10.0		165.00	Sft		
	Washroom 1	1.0	6.5	7.0		45.50	Sft		
	Washroom 2	1.0	6.5	7.0		45.50	Sft		
	Washroom 3	1.0	6.5	7.0		45.50	Sft		
	Washroom 4	1.0	6.5	7.0		45.50	Sft		
	Corridor	1.0	37.0	10.0		370.00	Sft		
	Room 1 MO Quarter	1.0	16.0	14.0		224.00	Sft		
	Room 2 MO Quarter	1.0	16.0	14.0		224.00	Sft		
	Vemda	1.0	12.0	8.0		96.00	Sft		
	Washroom 1	1.0	7.6	6.6		50.16	Sft		
	Ketchen	1.0	7.0	8.0		56.00	Sft		
					Total	2583.56	Sft		
4	Earthfilling from any nearer soruce for embankment lead upto 1000 M and compaction by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering. Earthfilling will be in layers about 1 feet layer & will be compacted by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering.								
		1.0	50.0	40.0	1.5	3000.00			
					Total	3000.00	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.								
	(S.I No. 14-2 a iv)								
	P.C.C 1:2:4 in Plinth Protection								
		4	60.00	2.00	-	480.00	Sft		
					Total	480.00	Sft		

6	Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 guage made by shah industries or equivalent standard conforming to Block.S. 1245, treated with spacial primer base paint all round, fitted with six fixing lugs, three steel hinges for fixing door shutters, standard lock-strick plate, one sliding holt eye and three rubber buffers including cutting and making good damages to walls and filling the door frame cavity with lean cement mortar 1:4 as directed by the engineer incharge.							
c	Item same as above except moulded steel door frame manufactured from zinc coated mild steel 18 guage sheet instead of 16 guage							
	(S.I No. 28-40 c i)							
	Steel Door Frames							
	D	1	17.50	-	-	17.50	Rft	
					Total	17.500	Rft	
7	Providing and fixing First class deodar wood shutters fully panelled with same wood and fixed with approved brass hinges and tower bolts. 1.75" (44 mm) thick fully panelled shutters.							
	(S.I No. 16-7 b)							
	Wooden Door Shutters							
	D	1	3.50	-	7.00	24.50	Sft	
					Total	24.50	Sft	
8	Painting with ICI/Berger or equivalent plastic emulsion paint of approved shade in two or more coats as per manufacturer's instructions on plastered rendered and/or concrete surface over and including the cost of priming coat, surface preparation, dusting, rubbing down smooth, filling cracks, holes removing blisters and other blisters and other imperfections in ground floor or basement. (@ atleast 1.65 Litre per 10 Sq.m)							
	(S.I No. 17- 8-1)							
	Intrenal Paint with Plastic Emulsion		Area					
	Area	1	2583.56			2583.56	Sft	
					Total	2583.56	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 Sq.m.							
	(S.I No. 17-69 -1)							
	External Paint with Weather Coat		Area					
	External Walls area	1	50.00	35.00	10.00	1700.00	Sft	
					Total	1700.00	Sft	
	(S.I.No. 16-66 d)							
10	Internal Door Lock							
	Hyundi Lock	2	-	-	-	2.00	Each	
					Total	2.00	Each	
	(S.I.No. 16-66 a)							
11	Toilet Lock							
	Union Lock	2	-	-	-	2.00	Each	
					Total	2.00	Each	
	(S.I.No. 16-66 f)							
12	Hydraulic Door Closer							
	Hydraulic door closer, New star make	2				2.00	Each	
					Total	2.00	Each	
13	Providing and fixing approved sliding bolts or aldrop bolt of sizes with screws of same metal and galvanized iron bolts and nuts. ii) 250 mm x 16 mm (10 ² x 5/8 ²) size							
	(S.I.No. 16-74 ii)							
	Sliding Bolts							
		2				2.00	Each	
					Total	2.00	Each	
14	Providing and fixing approved standard finger plate with screws. b) Brass finger plate 150 mm x 57 mm (6 ² x 2-1/4 ²) with brass screws.							
	(S.I.No. 16-68 b)							
	Finger Plate	2				2.00	Each	
					Total	2.00	Each	

15	Supply and fixing of concrete pavers on sand cushion of different designs, having thickness of 50 mm, mechanically compressed, with a minimum strength of 4500 psi after laboratory testing at factory and random testing at site as and when desired by the Engineer In-charge, complete in all respects.							
	50mm thick,tuff tile Cloured							
	(S.I.No. 21-9 b)							
	Tuff Pavers							
		1	1500.00			1500.00	Sft	
					Total	1500.00	Sft	
16	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 fittings of approved make, including cost of fabrication, iron lugs, cutting holes, and making good the damages.							
	Description same as in Item No. 28-7-1 but with double leaf door with frame							
	(S.I.No. 28-8)							
	Main Gate							
		1	10.00		8.00	80.00	Sft	
					Total	80.00	Sft	
	Total							

Electrical						
S.No	Description	Schedule item no	Quantity	Unit	Rate	Total
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 Pak , Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings. (Concealed wiring with 3/4" 20 (mm)dia. PVC pipe conduit and accessories such as bends, elbows, junction boxes etc.)					
	Ground Floor	30-1 (a)	6	Point		
2	Concealed / open wiring from point to switch length upto 30 ft.(10m) including any switch to switch wiring with 3x1.5 mm PVC insulated single core copper conduct Pakistan Cables, Pioneer , Newage or as approved equivalent cables, (Concealed wiring with 3/4" 20 (mm) dia.PVC conduit and accessories such as bends, elbows , junction boxes etc.)					
	Ground Floor	30-3 (a)	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.					
	Ground Floor	30-4 (a)	8	Point		
4	Concealed/open wiring for two way light points such that two light points are controlled by 2 numbers two way switches and length from (12.5 m) with 3 x 1.5 Sq mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables. switches to point is upto 40 ft.					
	Ground Floor	30-6 (a)	6	Point		
5	Concealed/open wiring for 5 Amp. Socket outlets from nearest available circuit with a length upto 20 ft. (6m) 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)					
	Ground Floor	30-8 (a)	6	Point		
6	Wiring of Power Plug 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.					
	Ground Floor	30-9 (a)	6	Rft		
7	Wiring of 5 Amps. socket outlet with 2.5 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. (for Lighting Circut From Switch Board To Other Boards)					
	Ground Floor	30-10	12	Rm		
8	Supply and install 1-gang, 5 Amp, 250 Volt,. plate type mouldedn switch including appropriate size plastic box to be fixed recessed I wall.					
	Ground Floor	30-11	8	No.		
9	Supply and install 2-gang, 5 Amp, 250 Volt,. plate type mouldedn switch including appropriate size plastic box to be fixed recessed I wall.					
	Ground Floor	30-12	6	No		
10	Supply and install 3-gang, 5 Amp, 250 Volt,. plate type mouldedn switch including appropriate size plastic box to be fixed recessed I wall.					
	Ground Floor	30-13	6	No.		
11	Supply and install 4-gang, 5 Amp, 250 Volt,. plate type mouldedn switch including appropriate size plastic box to be fixed recessed I wall.					
	Ground Floor	30-14	6	No.		
12	Supply and installation of 5 Amp. 250 Volt, moulded, two-way single pole, flush mounting type light control single switch including appropriate size plastic box to be fixed recessed in wall.					
	Ground Floor	30-15	6	No.		
13	Supply and install combined 2/3 pin 5 Amps, 250 Volt switch socket including plastic box to be fixed recessed in wall.					
	Ground Floor	30-19	6	No.		
14	Supply and install combined 3 pin 15 Amps. 250 Volt switch socket including plastic box to be fixed recessed in wall.					
	Ground Floor	30-20	6	No.		
15	Supply and installation of 1" (25mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.					
	Ground Floor	30-22	45	Rft		

16	Supply and install surface mounted fluorescent light fixture with batten and one No. 20W. Lamps, Philips type P-120 or approved equivalent.					
	Ground Floor	30-68	6	No.		
17	Supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories.					
	Ground Floor	30-87	7	No.		
18	Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.					
	Ground Floor	30-113	2	Each		
19	Supply and install distribution board, 18 SWG steel sheet 18"x24" enclosure, suitable for recess mounting, comprising incoming MCCB-TP/100A, Outgoing 9 single phase MCB of various capacity with internal wiring earthing, neutral link etc. alongwith three Digital Amp. meters with lights.					
	Ground Floor	30-115	1	Job		
20	Extra for installing each number circuit breaker 6 Ampere on same distribution board and bus bar (For outgoing)					
	Ground Floor	30-116 a	1	Job		
21	Light Fixture Philips Type LED 13W Bulb ,complete in all respect with allied accessories or approved equivalent. The fitting shall be approved by the Engineer. (for Item no 30-74)					
	Ground Floor	30-124 (a)	6	Each		
22	Supply and install Electric motors with pump including all accessories. 1/2 HP electric motor with pump					
	Ground Floor	30-118 (b)	1	Each		
	Total					

Plumbing									
S.NO	DESCRIPTION	NO	L	W	D/H	QUANTITY	UNIT	RATE (Pak Rs)	AMOUNT (Pak Rs)
	SEWERAGE AND WATER SUPPLY								
	BATH ROOM FIXTURES AND ACCESSORIES								
1	Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.								
	W.C. Indian/Desi/902 with glazed earthen ware 4" (100 mm) trap								
	(S.I No. 23-2-ai)								
		5				5.00	Each		
2	Providing and fixing European type glazed earthenware water closet ICL Ifo/Forte or approved equivalent make including cost of inlet pipe, lid cistern kit, stop cock deluxe and other accessories, fitting material such as brackets, PVC down pipe where required, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.								
a	White								
	(S.I No. 23-3-a)								
		3				3.00	Each		
2	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.								
	Wash basin 24" (610 mm) Futura without pedestal								
	Extra over above for providing and fixing white glazed earthen ware pedestal manufactured by ICL/Karam Cera or approved equivalent make.								
	(S.I No. 23-5 b-i+d)								
		5				5.00	Each		
3	Providing and fixing superior quality C.P. bib cock of approved make.								
	1/2" (12 mm) dia.								
	(S.I No. 23-34 b)								
		10				10.00	Each		
5	Providing and fixing standing shower concealed in wall with approved quality control valves, mixer unit and moveable shower head.								
	Grohe European Rain Shower (Product Code 27591000)								
	Grohe European Bath Mi (Product Code 3282000)								
	(S.I No. 23-11-1)								
		6				6.00	Each		
						6.00	Each		
6	Providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with chromium plated screws.								
	(S.I No. 23-15-1)								
		6	2.50	2.50	-	37.50	Sft		
						37.50	Sft		
4	Providing and fixing C.P. brass telephonic shower including holder clamps, screw and bib cock.								
	(S.I No. 23-12-1)								
		5				5.00	Each		
						5.00	Each		
5	Providing and fixing soap dish.								
	(S.I No. 23-29 a)								

		5				5.00	Each		
						5.00	Each		
6	Providing and fixing approved quality chromium plated towel rail with bracket and screws.								
	(S.I No. 23-13-a)	5				5.00	Each		
						5.00	Each		
10	Providing and 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.								
	(S.I No. 23-8 -b)								
	Stainless steel sink 33" x 18" (825 mm x 450 mm)	1				1.00	Each		
						1.00	Each		
	SEWERAGE SYSTEM								
8	Providing and fixing floor trap 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								
	C.I. floor trap 6" x 2" and 6" x 3" size with grating.								
	(S.I No. 23-9a)	8				8.00	Each		
9	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	Each		
	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				150.00	Rft		
10	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.								
	Class B								
	(S.I No. 25-20b)								
	3" dia	2	20.00	-	-	10.00	Rm		
	4" dia (Including Rain Pipe)	2	10.00	-	-	10.00	Rm		
	6" dia	2	20.00	-	-	10.00	Rm		
11	Earth work excavation undressed, lead upto a single throw of kassi.phaorah, shovel. In ordinary soil								
	(S.I No. 3-1a2)								
	Manhole	1	5.00	2.00	3.00	30.00	Cft		
		6	3.00	3.00	2.50	135.00	Cft		
							Cft		
						181.50	Cft		
12	Providing and fixing gulley trap 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".								
	Cement concrete gulley trap 6" x 6" x 4" (150 x 150 x 100 mm) with C.I. cover and frame weighing not less than 10 kg.								
	(S.I No. 25-2a)	8				8.00	Each		
						8.00	Each		
13	Providing and fixing LDPE overhead tank manufactured by Dura or equivalent on top of any floor								
	b) 500 gallons capacity								
	(S.I No. 27-44 b)	1				1.00	Each		
						1.00	Each		
14	Providing and installation of 1-inch dia rubber delivery pipe, complete in all respects, as per directions of the Engineer In-charge.								
	(N.S.R)	1	500.00			500.00	Rft		
						500.00	Rft		
	Total								

REHABILITATION OF BHU GHULAM RASOOL WAGO AT DERA BUGTI		
ABSTRAT OF COST		
No.	DESCRIPTION	AMOUNT Rs.
1	CIVIL WORKS	
2	ELECTRICAL WORKS	
3	PLUMBING WORKS	
	TOTAL	4811893.105

REHABILITATION OF BHU GHULAM RASOOL WAGO AT DERA BUGTI								
GROUND FLOOR								
BILL OF QUANTITIES								
S.NO	DESCRIPTION	NO	L	W	D/H	QUANTITY	UNIT	RATE (Pak Rs)
								AMOUNT (Pak Rs)
	BUILDING CIVIL WORKS							
1	Dismantling Dismantling 1st class tile roofing							
	(S.I No. 4-22 A)							
	Dismantling of Existing Slab							
	Room-1	1	14.00	14.00		196.00	Cft	
	Room-2	1	14.00	14.00	0.5	196.00	Cft	
	Room-3	1	14.00	14.00	0.5	196.00	Cft	
	Varenda	1	12.00	8.00	0.5	96.00	Cft	
	Washroom -1	1	8.00	8.00	0.5	64.00	Cft	
	Store	1	10.00	8.00	0.5	80.00	Cft	
					Total	828.00	Cft	
2	Providing and laying first-class burnt brick tile roofing laid in 1:6 cement-sand mortar, including 1:2 cement-sand pointing on the underside of tiles, including curing and the Cost of Tee iron and girder .							
	(N.S.R)							
	Roof with Brick Tiles							
	Room-1	1	14.00	14.00	0.5	196.00	Sft	
	Room-2	1	14.00	14.00	0.5	196.00	Sft	
	Room-3	1	14.00	14.00	0.5	196.00	Sft	
	Varenda	1	12.00	8.00	0.5	96.00	Sft	
	Washroom -1	1	8.00	8.00	0.5	64.00	Sft	
	Mini Store	1	10.00	8.00	0.5	80.00	Sft	
					Total	828.00	Sft	
3	Providing and applying two coats of High Albedo paint having a minimum Solar Reflective Index (SRI) of 108 (with solar reflectance and thermal emittance tested as per ASTM C1549 and ASTM C1371 respectively). The coating thickness and the methodology of application shall be strictly as per the manufacturer's specifications and as approved by the Engineer-in-charge. Surface preparation includes cleaning with a metal wire brush to remove all dust, fungus, etc., and washing with water. All work to be completed as per the directions of the Engineer-in-charge. The contractor shall provide a guarantee for the performance of the SRI and the durability of the coating, all complete as per the direction of the Engineer-in-charge (at least 0.5 liters per square meter).							
	(S.I No. 13 -68)							
	High Albedo paint for Roof Seepage							
	Room-1	1	14.00	14.00	0.5	196.00	Sft	
	Room-2	1	14.00	14.00	0.5	196.00	Sft	
	Room-3	1	14.00	14.00	0.5	196.00	Sft	
	Varenda	1	12.00	8.00	0.5	96.00	Sft	
	Washroom -1	1	8.00	8.00	0.5	64.00	Sft	
	Mini Store	1	10.00	8.00	0.5	80.00	Sft	
					Total	828.00	Cft	
4	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							
	(S.I No. 28 -45)							
	Girders		14.00	3.00		672.00		
	T iron		14.00	0.50		462.00		
					Total	1134.00		

5	Providing and laying first class solid burnt brick masonry including scaffolding, raking out joints and curing in ground floor superstructure.							
	(S.I No. 11-12 (biii))							
		1	50.00	0.75	10.00	375.00		
					Total	375.00	Cft	
6	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing. 19 mm thick cement plaster with 1:4 mortar etc							
	(S.I No. 15-4/iii)							
	Room-1	1	14.00	14.00	6.0	336.00	Cft	
	Room-2	1	14.00	14.00	6.0	336.00	Cft	
	Room-3	1	14.00	14.00	6.0	336.00	Cft	
	Varenda	1	12.00	8.00	6.0	240.00	Cft	
	Washroom -1	1	8.00	8.00	6.0	192.00	Cft	
	Store	1	10.00	8.00	6.0	216.00	Cft	
	Outer Building	1	72.00	66.00	10.00	2760.00		
					Total	4416.00	Cft	
7	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.							
	Floor							
	(S.I No. 14-41/a)							
	Room-1	1	14.00	14.00	0.5	98.00	Cft	
	Room-2	1	14.00	14.00	0.5	98.00	Cft	
	Room-3	1	14.00	14.00	0.5	98.00	Cft	
	Varenda	1	12.00	8.00	0.5	48.00	Cft	
	Washroom -1	1	8.00	8.00	0.5	32.00	Cft	
	Store	1	10.00	8.00	0.5	40.00	Cft	
					Total	414.00	Cft	
8	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.							
	(S.I No. 14-2 a iv)							
	P.C.C 1:2:4 in Plinth Protection	4	60.00	2.00	-	480.00	Sft	
					Total	480.00	Sft	
9	Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 guage made by shah industries or equivalent standard conforming to Block.S. 1245, treated with spacial primer base paint all round, fitted with six fixing lugs, three steel hinges for fixing door shutters, standard lock-strick plate, one sliding holt eye and three rubber buffers including cutting and making good damages to walls and filling the door frame cavity with lean cement mortar 1:4 as directed by the engineer incharge.							
c	Item same as above except moulded steel door frame manufactured from zinc coated mild steel 18 guage sheet instead of 16 guage							
	(S.I No. 28-40 c i)							
	Steel Door Frames							
	D	5	3.00	-	7.000	100.00	Rft	
					Total	100.000	Rft	

10	Providing and fixing First class deodar wood shutters fully panelled with same wood and fixed with approved brass hinges and tower bolts. 1.75" (44 mm) thick fully panelled shutters. (S.I No. 16-7 b)							
	Wooden Door Shutters							
	D	5	3.00	-	7.00	105.00	Sft	
					Total	105.00	Sft	
11	Providing and fixing fully double glazed aluminium windows (Deluxe model) of anodized Champagne or approved color of Alcop, Pakistan Cable or any approved section including Aluminium fittings, hungs, cutting holes and making good damages to walls including 5 mm thick tinted tempered glass. (S.I No. 28-25-1)							
	Aluminum windows, ventilators							
	W	5	6.00		4.00	120.00	Sft	
					Total	120.00	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 - 1)							
	Iron Grills on Windows							
	W	5	6.00		4.00	120.00	Sft	
					Total	120.00	Sft	
13	Painting with ICI/Berger or equivalent plastic emulsion paint of approved shade in two or more coats as per manufacturer's instructions on plastered rendered and/or concrete surface over and including the cost of priming coat, surface preparation, dusting, rubbing down smooth, filling cracks, holes removing blisters and other blisters and other imperfections in ground floor or basement. (@ atleast 1.65 Litre per 10 Sq.m) (S.I No. 17- 8-1)							
	Intrenal Paint with Plastic Emulsion		Area					
	Internal Walls area	1	828.00			828.00	Sft	
					Total	828.00	Sft	
14	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. (S.I No. 17-69 -1)							
	External Paint with Weather Coat		Area					
	External Walls area	1	40.00	35.00	12.00	1800.00	Sft	
		1	320.00		12.00	3840.00	Sft	
					Net	5640.00	Sft	

15	Painting with ICI/Berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on 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)							
	Painting on Iron work		Area					
		2	103.50		207.00	Sft		
				Net	207.00	Sft		
16	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.							
	1/2" (13 mm) thick marble tiles floor							
	(S.I No. 14-9a)							
	Room-1	1	14.00	14.00	196.00	Sft		
	Room-2	1	14.00	14.00	196.00	Sft		
	Room-3	1	14.00	14.00	196.00	Sft		
	Varenda	1	12.00	8.00	96.00	Sft		
	Washroom -1	1	8.00	8.00	64.00	Sft		
	Mini Store	1	10.00	8.00	80.00	Sft		
				Net	952.20	Sft		
17	Providing and fixing 3/8" (9mm) thick super white marble tiles dressed on the surface in dado/skirting and facing in ground floor over 1/2" (13mm) thick base of cement sand 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, curing, finishing, grinding, cleaning & polishing.			196.00				
	(S.I No. 14-54 a)							
	Marble Skirting and Dado (Internal building Walls)							
	Room-1	1	14.00	14.00	4.00	224.00	Sft	
	Room-2	1	14.00	14.00	4.00	224.00	Sft	
	Room-3	1	14.00	14.00	4.00	224.00	Sft	
	Varenda	1	12.00	8.00	4.00	160.00	Sft	
	Washroom -1	1	8.00	8.00	4.00	128.00	Sft	
	Mini Store	1	10.00	8.00	4.00	144.00	Sft	
				Total	1104.00	Sft		
18	Providing and laying Vitrified/ Porcelain (Imported but not Chinese) tiles in floor with different sizes, Glazed or Matt, local or imported as directed by the Engineer-In-Charge, laid with 6mm thick layer of cement based high polymer modified quick set tile adhesive . (It may be noted that reduction in the rate shall be made accordingly if the cost of purchase of tile is less than the base price).							
	(S.I No. 14-73 -a)							
	Glazed Tile Flooring in Toilet							
	Bath Rooms	2	5.00	6.00	60.00	Sft		
				Total	69.00	Sft		
19	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- 64 a)							
	Glazed Tile Dado in Toilet							
	Bath	2	22.00	6.00	264.00	Sft		
				Total	303.60	Sft		
20	(S.I.No. 16-66 d)							
	Internal Door Lock							
	Hyundi Lock	3	-	-	3.00	Each		
				Total	3.00	Each		
	(S.I.No. 16-66 a)							

21	Toilet Lock							
	Union Lock	2	-	-	-	2.00	Each	
					Total	2.00	Each	
	(S.I.No. 16-66 f)							
22	Hydraulic Door Closer							
	Hydraulic door closer, New star make	3				3.00	Each	
					Total	3.00	Each	
23	Providing and fixing approved sliding bolts or aldrop bolt of sizes with screws of same metal and galvanized iron bolts and nuts.							
	ii) 250 mm x 16 mm (10 ² x 5/8 ²) size							
	(S.I.No. 16-74 ii)							
	Sliding Bolts							
		3				3.00	Each	
					Total	3.00	Each	
24	Providing and fixing approved standard finger plate with screws.							
	b) Brass finger plate 150 mm x 57 mm (6 ² x 2-1/4 ²) with brass screws.							
	(S.I.No. 16-68 b)							
	Finger Plate	2				2.00	Each	
					Total	2.00	Each	
25	Supply and fixing of concrete pavers on sand cushion of different designs, having thickness of 50 mm, mechanically compressed, with a minimum strength of 4500 psi after laboratory testing at factory and random testing at site as and when desired by the Engineer in-charge, complete in all respects.							
	50mm thick,tuff tile Cloured							
	(S.I.No. 21-9 b)							
	Tuff Pavers							
		1	1500.00			1500.00	Sft	
					Total	1500.00	Sft	
	Sub. Total							

Electrical						
	Description	Schedule item no	Quantity	Unit	Rate	Total
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 Pak , Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings. (Concealed wiring with 3/4" 20 (mm)dia. PVC pipe conduit and accessories such as bends, elbows, junction boxes etc.)					
	Ground Floor	30-1 (a)	3	Point		
2	Concealed / open wiring from point to switch length upto 30 ft.(10m) including any switch to switch wiring with 3x1.5 mm PVC insulated single core copper conduct Pakistan Cables, Pioneer , Newage or as approved equivalent cables. (Concealed wiring with 3/4" 20 (mm) dia.PVC conduit and accessories such as bends, elbows , junction boxes etc.)					
	Ground Floor	30-3 (a)	3	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.					
	Ground Floor	30-4 (a)	5	Point		
4	Concealed/open wiring for two way light points such that two light points are controlled by 2 numbers two way switches and length from (12.5 m) with 3 x 1.5 Sq mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables. switches to point is upto 40 ft.					
	Ground Floor	30-6 (a)	3	Point		
5	Concealed/open wiring for 5 Amp. Socket outlets from nearest available circuit with a length upto 20 ft. (6m) 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)					
	Ground Floor	30-8 (a)	3	Point		
6	Wiring of Power Plug 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.					
	Ground Floor	30-9 (a)	3	Rft		
7	Wiring of 5 Amps. socket outlet with 2.5 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. (for Lighting Circut From Switch Board To Other Boards)					
	Ground Floor	30-10	10	Rm		
8	Supply and install 1-gang, 5 Amp, 250 Volt,. plate type mouldedn switch including appropriate size plastic box to be fixed recessed I wall.					
	Ground Floor	30-11	6	No.		
9	Supply and install 2-gang, 5 Amp, 250 Volt,. plate type mouldedn switch including appropriate size plastic box to be fixed recessed I wall.					
	Ground Floor	30-12	3	No		
10	Supply and install 3-gang, 5 Amp, 250 Volt,. plate type mouldedn switch including appropriate size plastic box to be fixed recessed I wall.					
	Ground Floor	30-13	3	No.		
11	Supply and install 4-gang, 5 Amp, 250 Volt,. plate type mouldedn switch including appropriate size plastic box to be fixed recessed I wall.					
	Ground Floor	30-14	3	No.		
12	Supply and installation of 5 Amp. 250 Volt, moulded, two-way single pole, flush mounting type light control single switch including appropriate size plastic box to be fixed recessed in wall.					
	Ground Floor	30-15	3	No.		
13	Supply and install combined 2/3 pin 5 Amps, 250 Volt switch socket including plastic box to be fixed recessed in wall.					
	Ground Floor	30-19	3	No.		
14	Supply and install combined 3 pin 15 Amps. 250 Volt switch socket including plastic box to be fixed recessed in wall.					
	Ground Floor	30-20	3	No.		
15	Supply and installation of 1" (25mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.					
	Ground Floor	30-22	30	Rft		
16	Supply and install surface mounted flourescent light fixture with batten and one No. 20W. Lamps, Philips type P-120 or approved equivalent.					
	Ground Floor	30-68	5	No.		
17	Supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories.					
	Ground Floor	30-87	4	No.		
18	Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.					
	Ground Floor	30-113	1	Each		

19	Supply and install distribution board, 18 SWG steel sheet 18"x24" enclosure, suitable for recess mounting, comprising incoming MCCB-TP/100A, Outgoing 9 single phase MCB of various capacity with internal wiring earthing, neutral link etc. alongwith three Digital Amp. meters with lights.					
	Ground Floor	30-115	1	Job		
20	Extra for installing each number circuit breaker 6 Ampere on same distribution board and bus bar (For outgoing)					
	Ground Floor	30-116 a	1	Job		
21	Light Fixture Philips Type LED 13W Bulb ,complete in all respect with allied accessories or approved equivalent. The fitting shall be approved by the Engineer. (for Item no 30-74)					
	Ground Floor	30-124 (a)	5	Each		
22	Supply and install Electric motors with pump including all accessories. 1/2 HP electric motor with pump					
	Ground Floor	30-118 (b)	1	Each		
	Total					

Plumbing									
S.NO	DESCRIPTION	NO	L	W	D/H	QUANTITY	UNIT	RATE (Pak Rs)	AMOUNT (Pak Rs)
	SEWERAGE AND WATER SUPPLY								
	BATH ROOM FIXTURES AND ACCESSORIES								
1	Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.								
	W.C. Indian/Desi/902 with glazed earthen ware 4" (100 mm) trap								
	(S.I No. 23-2-ai)								
		1				1.00	Each		
2	Providing and fixing European type glazed earthenware water closet ICL Ifo/Forte or approved equivalent make including cost of inlet pipe, lid cistern kit, stop cock deluxe and other accessories, fitting material such as brackets, PVC down pipe where required, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.								
a	White								
	(S.I No. 23-3-a)								
		3				3.00	Each		
3	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.								
	Wash basin 24" (610 mm) Futura without pedestal								
	Extra over above for providing and fixing white glazed earthen ware pedestal manufactured by ICL/Karam Cera or approved equivalent make.								
	(S.I No. 23-5 b-i+d)								
		1				1.00	Each		
4	Providing and fixing superior quality C.P. bib cock of approved make.								
	1/2" (12 mm) dia.								
	(S.I No. 23-34 b)								
		2				2.00	Each		
5	Providing and fixing standing shower concealed in wall with approved quality control valves, mixer unit and moveable shower head.								
	Grohe European Rain Shower (Product Code 27591000)								
	Grohe European Bath Mi (Product Code 3282000)								
	(S.I No. 23-11-1)								
		6				6.00	Each		
						6.00	Each		
6	Providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with chromium plated screws.								
	(S.I No. 23-15-1)								
		6	2.50	2.50	-	37.50	Sft		
						37.50	Sft		
7	Providing and fixing C.P. brass telephonic shower including holder clamps, screw and bib cock.								

	(S.I No. 23-12-1)	1				1.00	Each		
						1.00	Each		
8	Providing and fixing soap dish.								
	(S.I No. 23-29 a)								
		1				1.00	Each		
						1.00	Each		
9	Providing and fixing approved quality chromium plated towel rail with bracket and screws.								
	(S.I No. 23-13-a)								
		1				1.00	Each		
						1.00	Each		
10	Providing and 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.								
	(S.I No. 23-8 -b)								
	Stainless steel sink 33" x 18" (825 mm x 450 mm)	1				1.00	Each		
						1.00	Each		
	SEWERAGE SYSTEM								
11	Providing and fixing floor trap 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								
	C.I. floor trap 6" x 2" and 6" x 3" size with grating.								
	(S.I No. 23-9a)								
		2				2.00	Each		
12	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	Each		
	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				200.00	Rft		
13	Providing and installing uPVC pipe ILL, Dadex or equivalent make registered with PSQCA in tubewell bore hole and/or laying, cutting, jointing and testing uPVC pipe lines in trenches.								
	Class B								
	(S.I No. 25-20b								
	3" dia	2	20.00	-	-	10.00	Rm		
	4" dia (Including Rain Pipe)	2	10.00	-	-	10.00	Rm		
	6" dia	2	20.00	-	-	10.00	Rm		
14	Earth work excavation undressed, lead upto a single throw of kassi,phaorah, shovel. In ordinary soil								
	(S.I No. 3-1a2)								
		1	5.00	2.00	3.00	30.00	Cft		
	Manhole	6	3.00	3.00	2.50	135.00	Cft		
							Cft		
						181.50	Cft		
15	Providing and fixing gulley trap 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".								
	Cement concrete gulley trap 6" x 6" x 4" (150 x 150 x 100 mm) with C.I. cover and frame weighing not less than 10 kg.								
	(S.I No. 25-2a)								
		8				8.00	Each		
						8.00	Each		
16	Providing and fixing LDPE overhead tank manufactured by Dura or equivalent on top of any floor								
	b) 500 gallons capacity								
	(S.I No. 27-44 b)								
		1				1.00	Each		
						1.00	Each		
17	Providing and installation of 1-inch dia rubber delivery pipe, complete in all respects, as per directions of the Engineer In-charge.								
	(N.S.R)								
		1	300.00			300.00	Rft		
						300.00	Rft		
	TOTAL								

REHABILITATION OF BHU SHER DIL KARMANZI KORDAN AT DERA BUGTI		
ABSTRAT OF COST		
No.	DESCRIPTION	AMOUNT Rs.
1	CIVIL WORKS	
2	ELECTRICAL WORKS	
3	PLUMBING WORKS	
4	TOTAL	3019832.43

REHABILITATION OF BHU SHER DIL KARMANZI KORDAN AT DERA BUGTI									
GROUND FLOOR									
BILL OF QUANTITIES									
S.NO	DESCRIPTION	NO	L	W	D/H	QUANTITY	UNIT	RATE	AMOUNT
								(Pak Rs)	(Pak Rs)
	BUILDING CIVIL WORKS								
1	Providing and laying 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)								
	Roof Screeding								
	Room1	1.0	14.0	16.6		232.40	Sft		
	Room2	1.0	12.0	14.0		168.00	Sft		
	Room3	1.0	12.0	14.0		168.00	Sft		
	Room4 Patinet ward	1.0	24.0	20.0		480.00	Sft		
	Room5	1.0	12.0	14.0		168.00	Sft		
	Room 6 Mini Stor	1.0	16.5	10.0		165.00	Sft		
	Washroom 1	1.0	6.5	7.0		45.50	Sft		
	Washroom 2	1.0	6.5	7.0		45.50	Sft		
	Washroom 3	1.0	6.5	7.0		45.50	Sft		
	Washroom 4	1.0	6.5	7.0		45.50	Sft		
	Corridor	1.0	37.0	10.0		370.00	Sft		
	Room 1 MO Quarter	1.0	16.0	14.0		224.00	Sft		
	Room 2 MO Quarter	1.0	16.0	14.0		224.00	Sft		
	Vernda	1.0	12.0	8.0		96.00	Sft		
	Washroom 1	1.0	7.6	6.6		50.16	Sft		
	Kitchen	1.0	7.0	8.0		56.00	Sft		
					Total	2583.56	Cft		
2	Providing and applying two coats of High Albedo paint having a minimum Solar Reflective Index (SRI) of 108 (with solar reflectance and thermal emittance tested as per ASTM C1549 and ASTM C1371 respectively). The coating thickness and the methodology of application shall be strictly as per the manufacturer's specifications and as approved by the Engineer-in-charge. Surface preparation includes cleaning with a metal wire brush to remove all dust, fungus, etc., and washing with water. All work to be completed as per the directions of the Engineer-in-charge. The contractor shall provide a guarantee for the performance of the SRI and the durability of the coating, all complete as per the direction of the Engineer-in-charge (at least 0.5 liters per square meter).								
	(S.I No. 13 -68)								
	High Albedo paint for Roof Seepage								
	Room1	1.0	14.0	16.6		232.40	Sft		
	Room2	1.0	12.0	14.0		168.00	Sft		
	Room3	1.0	12.0	14.0		168.00	Sft		
	Room4 Patinet ward	1.0	24.0	20.0		480.00	Sft		
	Room5	1.0	12.0	14.0		168.00	Sft		
	Room 6 Mini Stor	1.0	16.5	10.0		165.00	Sft		
	Washroom 1	1.0	6.5	7.0		45.50	Sft		
	Washroom 2	1.0	6.5	7.0		45.50	Sft		
	Washroom 3	1.0	6.5	7.0		45.50	Sft		
	Washroom 4	1.0	6.5	7.0		45.50	Sft		
	Corridor	1.0	37.0	10.0		370.00	Sft		
	Room 1 MO Quarter	1.0	16.0	14.0		224.00	Sft		
	Room 2 MO Quarter	1.0	16.0	14.0		224.00	Sft		
	Vernda	1.0	12.0	8.0		96.00	Sft		
	Washroom 1	1.0	7.6	6.6		50.16	Sft		
	Ketchen	1.0	7.0	8.0		56.00	Sft		
					Total	2583.56	Cft		
3	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. With wire netting 1-1/2" (38mm) mesh - 18 gauge (1.4mm) thick								
	(S.I No. 15 -22 b)								
	Chicken Mesh with Plaster for Cracks Repair								
		3	25.00	1.00		75.00	Sft		
					Total	75.00	Sft		

4	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.								
	(S.I No. 14-2 a iv)								
	P.C.C 1:2:4 in Plinth Protection								
		4	60.00	2.00	-	480.00	Sft		
					Total	480.00	Sft		
5	upto 1000 M and compaction by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering. Earthfilling will be in layers about 1 feet layer & will be compacted by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and								
		1.0	50.0	40.0	1.5	3000.00			
						3000.00	Sft		
6	Painting with ICI/Berger or equivalent plastic emulsion paint of approved shade in two or more coats as per manufacturer's instructions on plastered rendered and/or concrete surface over and including the cost of priming coat, surface preparation, dusting, rubbing down smooth, filling cracks, holes removing blisters and other blisters and other imperfections in ground floor or basement. (@ atleast 1.65 Litre per 10 Sq.m)								
	(S.I No. 17- 8-1)								
	Intrenal Paint with Plastic Emulsion		Area						
	Ceiling Area	1	2583.56			2583.56	Sft		
	Internal Walls area	1	90.50	12.00		1086.00	Sft		
					Total	3669.56	Sft		
7	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.								
	(S.I No. 17-69 -1)								
	External Paint with Weather Coat		Area						
	External Walls area	1	80.00	10.00		800.00	Sft		
		1	540.00	7.00		3780.00	Sft		
					Total	4580.00	Sft		
8	Supply and fixing of concrete pavers on sand cushion of different designs, having thickness of 50 mm, mechanically compressed, with a minimum strength of 4500 psi after laboratory testing at factory and random testing at site as and when desired by the Engineer In-charge, complete in all respects.								
	50mm thick,tuff tile Cloured								
	(S.I.No. 21-9 b)								
	Tuff Pavers								
		1	1500.00			1500.00	Sft		
					Total	1500.00	Sft		
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)								
	(S.I No. 17-7-1)								
	Oil Paint								
	Main Gate	1	10.00	8.00		80.00	Sft		
	Doors	10	3.50	7.00		245.00	Sft		
	Windows	20	6.00	5.00		600.00	Sft		
					Total	925.00	Sft		
	Total								

Electrical						
	Description	Schedule item no	Quantity	Unit	Rate	Total
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 Pak , Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings. (Concealed wiring with 3/4" 20 (mm)dia. PVC pipe conduit and accessories such as bends, elbows, junction boxes etc.)					
	Ground Floor	30-1 (a)	6	Point		
2	Concealed / open wiring from point to switch length upto 30 ft.(10m) including any switch to switch wiring with 3x1.5 mm PVC insulated single core copper conduct Pakistan Cables, Pioneer , Newage or as approved equivalent cables, (Concealed wiring with 3/4" 20 (mm) dia.PVC conduit and accessories such as bends, elbows , junction boxes etc.)					
	Ground Floor	30-3 (a)	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.					
	Ground Floor	30-4 (a)	8	Point		
4	Concealed/open wiring for two way light points such that two light points are controlled by 2 numbers two way switches and length from (12.5 m) with 3 x 1.5 Sq mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables. switches to point is upto 40 ft.					
	Ground Floor	30-6 (a)	6	Point		
5	Concealed/open wiring for 5 Amp. Socket outlets from nearest available circuit with a length upto 20 ft. (6m) 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)					
	Ground Floor	30-8 (a)	6	Point		
6	Wiring of Power Plug 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.					
	Ground Floor	30-9 (a)	6	Rft		
7	Wiring of 5 Amps. socket outlet with 2.5 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. (for Lighting Circut From Switch Board To Other Boards)					
	Ground Floor	30-10	12	Rm		
8	Supply and install 1-gang, 5 Amp, 250 Volt,. plate type mouldedn switch including appropriate size plastic box to be fixed recessed I wall.					
	Ground Floor	30-11	8	No.		
9	Supply and install 2-gang, 5 Amp, 250 Volt,. plate type mouldedn switch including appropriate size plastic box to be fixed recessed I wall.					
	Ground Floor	30-12	6	No		
10	Supply and install 3-gang, 5 Amp, 250 Volt,. plate type mouldedn switch including appropriate size plastic box to be fixed recessed I wall.					
	Ground Floor	30-13	6	No.		
11	Supply and install 4-gang, 5 Amp, 250 Volt,. plate type mouldedn switch including appropriate size plastic box to be fixed recessed I wall.					
	Ground Floor	30-14	6	No.		
12	Supply and installation of 5 Amp. 250 Volt, moulded, two-way single pole, flush mounting type light control single switch including appropriate size plastic box to be fixed recessed in wall.					
	Ground Floor	30-15	6	No.		
	Supply and install combined 2/3 pin 5 Amps, 250 Volt switch socket including plastic box to be fixed recessed in wall.					
	Ground Floor	30-19	6	No.		

13	Supply and install combined 3 pin 15 Amps. 250 Volt switch socket including plastic box to be fixed recessed in wall.					
	Ground Floor	30-20	6	No.		
14	Supply and installation of 1" (25mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.					
	Ground Floor	30-22	45	Rft		
15	Supply and install surface mounted fluorescent light fixture with batten and one No. 20W. Lamps, Philips type P-120 or approved equivalent.					
	Ground Floor	30-68	6	No.		
16	Supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories.					
	Ground Floor	30-87	7	No.		
17	Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.					
	Ground Floor	30-113	2	Each		
18	Supply and install distribution board, 18 SWG steel sheet 18"x24" enclosure, suitable for recess mounting, comprising incoming MCCB-TP/100A, Outgoing 9 single phase MCB of various capacity with internal wiring earthing, neutral link etc. alongwith three Digital Amp. meters with lights.					
	Ground Floor	30-115	1	Job		
19	Extra for installing each number circuit breaker 6 Ampere on same distribution board and bus bar (For outgoing)					
	Ground Floor	30-116 a	1	Job		
20	Light Fixture Philips Type LED 13W Bulb ,complete in all respect with allied accessories or approved equivalent. The fitting shall be approved by the Engineer. (for Item no 30-74)					
	Ground Floor	30-124 (a)	6	Each		
21	Supply and install Electric motors with pump including all accessories. 1/2 HP electric motor with pump					
	Ground Floor	30-118 (b)	1	Each		
	Total					

Plumbing									
S.NO	DESCRIPTION	NO	L	W	D/H	QUANTITY	UNIT	RATE (Pak Rs)	AMOUNT (Pak Rs)
	SEWERAGE AND WATER SUPPLY								
	BATH ROOM FIXTURES AND ACCESSORIES								
1	Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.								
	W.C. Indian/Desi/902 with glazed earthen ware 4" (100 mm) trap								
	(S.I No. 23-2-ai)								
		2				2.00	Each		
2	Providing and fixing European type glazed earthenware water closet ICL Ifo/Forte or approved equivalent make including cost of inlet pipe, lid cistern kit, stop cock deluxe and other accessories, fitting material such as brackets, PVC down pipe where required, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.								
a	White								
	(S.I No. 23-3-a)								
		3				3.00	Each		
3	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.								
	Wash basin 24" (610 mm) Futura without pedestal								
	Extra over above for providing and fixing white glazed earthen ware pedestal manufactured by ICL/Karam Cera or approved equivalent make.								
	(S.I No. 23-5 b-i+d)								
		2				2.00	Each		
4	Providing and fixing superior quality C.P. bib cock of approved make.								
	1/2" (12 mm) dia.								
	(S.I No. 23-34 b)								
		4				4.00	Each		
5	Providing and fixing standing shower concealed in wall with approved quality control valves, mixer unit and moveable shower head.								
	Grohe European Rain Shower (Product Code 27591000)								
	Grohe European Bath Mi (Product Code 3282000)								
	(S.I No. 23-11-1)								
		6				6.00	Each		
						6.00	Each		

6	Providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with chromium plated screws. (S.I No. 23-15-1)								
		6	2.50	2.50	-	37.50	Sft		
						37.50	Sft		
7	Providing and fixing C.P. brass telephonic shower including holder clamps, screw and bib cock. (S.I No. 23-12-1)	2				2.00	Each		
						2.00	Each		
8	Providing and fixing soap dish. (S.I No. 23-29 a)	2				2.00	Each		
						2.00	Each		
9	Providing and fixing approved quality chromium plated towel rail with bracket and screws. (S.I No. 23-13-a)	2				2.00	Each		
						2.00	Each		
10	Providing and 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. (S.I No. 23-8 -b) Stainless steel sink 33" x 18" (825 mm x 450 mm)	1				1.00	Each		
						1.00	Each		
	SEWERAGE SYSTEM								
11	Providing and fixing floor trap 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 C.I. floor trap 6" x 2" and 6" x 3" size with grating. (S.I No. 23-9a)	4				4.00	Each		
12	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.	2				2.00	Each		
	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				200.00	Rft		

13	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.								
	Class B								
	(S.I No. 25-20b)								
	3" dia	4	20.00	-	-	20.00	Rm		
	4" dia (Including Rain Pipe)	4	10.00	-	-	20.00	Rm		
	6" dia	4	20.00	-	-	20.00	Rm		
14	Earth work excavation undressed, lead upto a single throw of kassi,phaorah, shovel. In ordinary soil								
	(S.I No. 3-1a2)								
		1	5.00	2.00	3.00	30.00	Cft		
	Manhole	6	3.00	3.00	2.50	135.00	Cft		
							Cft		
						181.50	Cft		
15	Providing and fixing gulley trap 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".								
	Cement concrete gulley trap 6" x 6" x 4" (150 x 150 x 100 mm) with C.I. cover and frame weighing not less than 10 kg.								
	(S.I No. 25-2a)								
		8				8.00	Each		
						8.00	Each		
16	Providing and fixing LDPE overhead tank manufactured by Dura or equivalent on top of any floor								
	b) 500 gallons capacity								
	(S.I No. 27-44 b)								
		1				1.00	Each		
						1.00	Each		
17	Providing and installation of 1-inch dia rubber delivery pipe, complete in all respects, as per directions of the Engineer In-charge.								
	(N.S.R)								
		1	500.00			500.00	Rft		
						500.00	Rft		
	TOTAL								

REHABILITATION OF BHU MUHAMMAD SHAHEED AT DERA BUGTI		
ABSTRAT OF COST		
No.	DESCRIPTION	AMOUNT Rs.
1	CIVIL WORKS	
2	ELECTRICAL WORKS	
3	PLUMBING WORKS	
4	TOTAL	3,332,611.07

REHABILITATION OF BHU MUHAMMAD SHAHEED AT DERA BUGTI									
GROUND FLOOR									
BILL OF QUANTITIES									
S.NO	DESCRIPTION	NO	L	W	D/H	QUANTITY	UNIT	RATE (Pak Rs)	AMOUNT (Pak Rs)
	BUILDING CIVIL WORKS								
1	Providing and laying 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)								
	Roof Screeding								
	Room1	1.0	14.0	16.6		232.40	Sft		
	Room2	1.0	12.0	14.0		168.00	Sft		
	Room3	1.0	12.0	14.0		168.00	Sft		
	Room4 Patinet ward	1.0	24.0	20.0		480.00	Sft		
	Room5	1.0	12.0	14.0		168.00	Sft		
	Room 6 Mini Store	1.0	16.5	10.0		165.00	Sft		
	Washroom 1	1.0	6.5	7.0		45.50	Sft		
	Washroom 2	1.0	6.5	7.0		45.50	Sft		
	Washroom 3	1.0	6.5	7.0		45.50	Sft		
	Washroom 4	1.0	6.5	7.0		45.50	Sft		
	Corridor	1.0	37.0	10.0		370.00	Sft		
	Room 1 MO Quarter	1.0	16.0	14.0		224.00	Sft		
	Room 2 MO Quarter	1.0	16.0	14.0		224.00	Sft		
	Vernda	1.0	12.0	8.0		96.00	Sft		
	Washroom 1	1.0	7.6	6.6		50.16	Sft		
	Kitchen	1.0	7.0	8.0		56.00	Sft		
					Total	2583.56	Cft		
2	Providing and applying two coats of High Albedo paint having a minimum Solar Reflective Index (SRI) of 108 (with solar reflectance and thermal emittance tested as per ASTM C1549 and ASTM C1371 respectively). The coating thickness and the methodology of application shall be strictly as per the manufacturer's specifications and as approved by the Engineer-in-charge. Surface preparation includes cleaning with a metal wire brush to remove all dust, fungus, etc., and washing with water. All work to be completed as per the directions of the Engineer-in-charge. The contractor shall provide a guarantee for the performance of the SRI and the durability of the coating, all complete as per the direction of the Engineer-in-charge (at least 0.5 liters per square meter).								
	(S.I No. 13 -68)								
	High Albedo paint for Roof Seepage								
	Room1	1.0	14.0	16.6		232.40	Sft		
	Room2	1.0	12.0	14.0		168.00	Sft		
	Room3	1.0	12.0	14.0		168.00	Sft		
	Room4 Patinet ward	1.0	24.0	20.0		480.00	Sft		
	Room5	1.0	12.0	14.0		168.00	Sft		
	Room 6 Mini Stor	1.0	16.5	10.0		165.00	Sft		
	Washroom 1	1.0	6.5	7.0		45.50	Sft		
	Washroom 2	1.0	6.5	7.0		45.50	Sft		
	Washroom 3	1.0	6.5	7.0		45.50	Sft		
	Washroom 4	1.0	6.5	7.0		45.50	Sft		
	Corridor	1.0	37.0	10.0		370.00	Sft		
	Room 1 MO Quarter	1.0	16.0	14.0		224.00	Sft		
	Room 2 MO Quarter	1.0	16.0	14.0		224.00	Sft		
	Vernda	1.0	12.0	8.0		96.00	Sft		
	Washroom 1	1.0	7.6	6.6		50.16	Sft		
	Ketchen	1.0	7.0	8.0		56.00	Sft		
					Total	2583.56	Cft		
3	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.								
	With wire netting 1-1/2" (38mm) mesh - 18 gauge (1.4mm) thick								
	(S.I No. 15 -22 b)								
	Chicken Mesh with Plaster for Cracks Repair								
		3	25.00	1.00		75.00	Sft		

					Total	75.00	Sft		
4	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.								
	(S.I No. 14-2 a iv)								
	P.C.C 1:2:4 in Plinth Protection	4	60.00	2.00	-	480.00	Sft		
					Total	480.00	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.								
	Room1	1.0	14.0	16.6	4.0	477.20	Sft		
	Room2	1.0	12.0	14.0	4.0	376.00	Sft		
	Room3	1.0	12.0	14.0	4.0	376.00	Sft		
	Room4 Patinet ward	1.0	24.0	20.0	4.0	832.00	Sft		
	Room5	1.0	12.0	14.0	4.0	376.00	Sft		
	Room 6 Mini Stor	1.0	16.5	10.0	4.0	377.00	Sft		
	Washroom 1	1.0	6.5	7.0	4.0	153.50	Sft		
	Washroom 2	1.0	6.5	7.0	4.0	153.50	Sft		
	Washroom 3	1.0	6.5	7.0	4.0	153.50	Sft		
	Washroom 4	1.0	6.5	7.0	4.0	153.50	Sft		
	Corridor	1.0	37.0	10.0	4.0	706.00	Sft		
					Total	1320.00	Sft		
	Deduction								
	Doors	10.0	3.0		7.0	210.00			
	Total					1110.00	Sft		
6	Earthfilling from any nearer soruce for embankment lead upto 1000 M and compaction by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering. Earthfilling will be in layers about 1 feet layer & will be compacted by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering.								
		1.0	50.0	40.0	1.5	3000.00			
						3000.00	Sft		
5	Painting with ICI/Berger or equivalent plastic emulsion paint of approved shade in two or more coats as per manufacturer's instructions on plastered rendered and/or concrete surface over and including the cost of priming coat, surface preparation, dusting, rubbing down smooth, filling cracks, holes removing blisters and other blisters and other imperfections in ground floor or basement. (@ atleast 1.65 Litre per 10 Sq.m)								
	(S.I No. 17- 8-1)								
	Intrenal Paint with Plastic Emulsion		Area						
	Ceiling Area	1	2583.56			2583.56	Sft		
	Internal Walls area	1	90.50		12.00	1086.00	Sft		
					Total	3669.56	Sft		
6	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.								
	(S.I No. 17-69 -1)								
	External Paint with Weather Coat		Area						
	External Walls area	1	80.00		10.00	800.00	Sft		
		1	540.00		7.00	3780.00	Sft		
					Total	4580.00	Sft		

7	Supply and fixing of concrete pavers on sand cushion of different designs, having thickness of 50 mm, mechanically compressed, with a minimum strength of 4500 psi after laboratory testing at factory and random testing at site as and when desired by the Engineer In-charge, complete in all respects.							
	50mm thick,tuff tile Cloured							
	(S.I.No. 21-9 b)							
	Tuff Pavers							
		1	1500.00		1500.00	Sft		
				Total	1500.00	Sft		
8	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)							
	Oil Paint							
	Main Gate	1	10.00	8.00	80.00	Sft		
	Doors	10	3.50	7.00	245.00	Sft		
	Windows	20	6.00	5.00	600.00	Sft		
				Total	925.00	Sft		
	Total							

Electrical						
	Description	Schedule item no	Quantity	Unit	Rate	Total
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 Pak , Pakistan Cables, Pioneer, Newage or approved equivalent cables for offices/multi storeyed buildings. (Concealed wiring with 3/4" 20 (mm)dia. PVC pipe conduit and accessories such as bends, elbows, junction boxes etc.)					
	Ground Floor	30-1 (a)	6	Point		
2	Concealed / open wiring from point to switch length upto 30 ft.(10m) including any switch to switch wiring with 3x1.5 mm PVC insulated single core copper conduct Pakistan Cables, Pioneer , Newage or as approved equivalent cables, (Concealed wiring with 3/4" 20 (mm) dia.PVC conduit and accessories such as bends, elbows , junction boxes etc.)					
	Ground Floor	30-3 (a)	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.					
	Ground Floor	30-4 (a)	8	Point		
4	Concealed/open wiring for two way light points such that two light points are controlled by 2 numbers two way switches and length from (12.5 m) with 3 x 1.5 Sq mm PVC insulated single core copper conductor Pakistan Cables, Pioneer, Newage or approved equivalent cables. switches to point is upto 40 ft.					
	Ground Floor	30-6 (a)	6	Point		
5	Concealed/open wiring for 5 Amp. Socket outlets from nearest available circuit with a length upto 20 ft. (6m) 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)					
	Ground Floor	30-8 (a)	6	Point		
6	Wiring of Power Plug 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.					
	Ground Floor	30-9 (a)	6	Rft		
7	Wiring of 5 Amps. socket outlet with 2.5 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. (for Lighting Circut From Switch Board To Other Boards)					
	Ground Floor	30-10	12	Rm		
8	Supply and install 1-gang, 5 Amp, 250 Volt,. plate type mouldedn switch including appropriate size plastic box to be fixed recessed I wall.					
	Ground Floor	30-11	8	No.		
9	Supply and install 2-gang, 5 Amp, 250 Volt,. plate type mouldedn switch including appropriate size plastic box to be fixed recessed I wall.					
	Ground Floor	30-12	6	No		
10	Supply and install 3-gang, 5 Amp, 250 Volt,. plate type mouldedn switch including appropriate size plastic box to be fixed recessed I wall.					
	Ground Floor	30-13	6	No.		
11	Supply and install 4-gang, 5 Amp, 250 Volt,. plate type mouldedn switch including appropriate size plastic box to be fixed recessed I wall.					
	Ground Floor	30-14	6	No.		
12	Supply and installation of 5 Amp. 250 Volt, moulded, two-way single pole, flush mounting type light control single switch including appropriate size plastic box to be fixed recessed in wall.					
	Ground Floor	30-15	6	No.		

13	Supply and install combined 2/3 pin 5 Amps, 250 Volt switch socket including plastic box to be fixed recessed in wall.					
	Ground Floor	30-19	6	No.		
14	Supply and install combined 3 pin 15 Amps. 250 Volt switch socket including plastic box to be fixed recessed in wall.					
	Ground Floor	30-20	6	No.		
15	Supply and installation of 1" (25mm) dia PVC concealed conduit including all accessories such as bends, elbows etc.					
	Ground Floor	30-22	45	Rft		
16	Supply and install surface mounted fluorescent light fixture with batten and one No. 20W. Lamps, Philips type P-120 or approved equivalent.					
	Ground Floor	30-68	6	No.		
17	Supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories.					
	Ground Floor	30-87	7	No.		
18	Supply and install 10" (250 mm) sweep exhaust fan including plastic louvers.					
	Ground Floor	30-113	2	Each		
19	Supply and install distribution board, 18 SWG steel sheet 18"x24" enclosure, suitable for recess mounting, comprising incoming MCCB-TP/100A, Outgoing 9 single phase MCB of various capacity with internal wiring earthing, neutral link etc. alongwith three Digital Amp. meters with lights.					
	Ground Floor	30-115	1	Job		
20	Extra for installing each number circuit breaker 6 Ampere on same distribution board and bus bar (For outgoing)					
	Ground Floor	30-116 a	1	Job		
21	Light Fixture Philips Type LED 13W Bulb ,complete in all respect with allied accessories or approved equivalent. The fitting shall be approved by the Engineer. (for Item no 30-74)					
	Ground Floor	30-124 (a)	6	Each		
22	Supply and install Electric motors with pump including all accessories. 1/2 HP electric motor with pump					
	Ground Floor	30-118 (b)	1	Each		
	Total					

Plumbing									
S.NO	DESCRIPTION	NO	L	W	D/H	QUANTITY	UNIT	RATE (Pak Rs)	AMOUNT (Pak Rs)
	SEWERAGE AND WATER SUPPLY								
	BATH ROOM FIXTURES AND ACCESSORIES								
1	Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.								
	W.C. Indian/Desi/902 with glazed earthen ware 4" (100 mm) trap								
	(S.I No. 23-2-ai)								
		5				5.00	Each		
2	Providing and fixing European type glazed earthenware water closet ICL Ifo/Forte or approved equivalent make including cost of inlet pipe, lid cistern kit, stop cock deluxe and other accessories, fitting material such as brackets, PVC down pipe where required, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.								
a	White								
	(S.I No. 23-3-a)								
		3				3.00	Each		
3	Providing and fixing export quality glazed earthen ware wash basin manufactured by ICL Boch/Karam Cera or equivalent approved make with single hole chromium plated mixer tap 1/2" (15mm), pillar tap deluxe, stop cocks, C.I. or W.I. brackets 6" (150mm) built into walls 1.5" (40mm) C.P. brass waste with malleable iron or C.P. brass trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material.								
	Wash basin 24" (610 mm) Futura without pedestal								
	Extra over above for providing and fixing white glazed earthen ware pedestal manufactured by ICL/Karam Cera or approved equivalent make.								
	(S.I No. 23-5 b-i+d)								
		3				3.00	Each		
4	Providing and fixing superior quality C.P. bib cock of approved make.								
	1/2" (12 mm) dia.								
	(S.I No. 23-34 ba)								
		20				20.00	Each		
5	Providing and fixing standing shower concealed in wall with approved quality control valves, mixer unit and moveable shower head.								
	Grohe European Rain Shower (Product Code 27591000)								
	Grohe European Bath Mi (Product Code 3282000)								
	(S.I No. 23-11-1)								
		6				6.00	Each		
						6.00	Each		
6	Providing and fixing looking mirror of Belgium/ Malaysian/ Indonesian glass with chromium plated screws.								
	(S.I No. 23-15-1)								
		6	2.50	2.50	-	37.50	Sft		
						37.50	Sft		

7	Providing and fixing C.P. brass telephonic shower including holder clamps, screw and bib cock. (S.I No. 23-12-1)	5				5.00	Each		
						5.00	Each		
8	Providing and fixing soap dish. (S.I No. 23-29 a)	2				2.00	Each		
						2.00	Each		
9	Providing and fixing approved quality chromium plated towel rail with bracket and screws. (S.I No. 23-13-a)	3				3.00	Each		
						2.00	Each		
10	Providing and 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. (S.I No. 23-8 -b) Stainless steel sink 33" x 18" (825 mm x 450 mm)	1				1.00	Each		
						1.00	Each		
11	Providing and fixing superior quality gun-metal peet/gate valve (Class150) of approved make. (S.I No. 23-39)								
	i) 12 mm(1/2") dia.	6				6.00	No.s		
	ii) 20 mm (.75") i/d.	4				4.00	No.s		
	iii) 25 mm(1") dia.	4				4.00	No.s		
	SEWERAGE SYSTEM								
12	Providing and fixing floor trap 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 C.I. floor trap 6" x 2" and 6" x 3" size with grating. (S.I No. 23-9a)	6				6.00	Each		
13	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.	2				2.00	Each		
14	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				150.00	Rft		
15	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. Class B (S.I No. 25-20b)								
	3" dia	1	40.00	-	-	40.00	Rm		
	4" dia (Including Rain Pipe)	1	30.00	-	-	30.00	Rm		
	6" dia	1	40.00	-	-	40.00	Rm		

16	Earth work excavation undressed, lead upto a single throw of kassi,phaorah, shovel. In ordinary soil								
	(S.I No. 3-1a2)								
		1	5.00	2.00	3.00	30.00	Cft		
	Manhole	6	3.00	3.00	2.50	135.00	Cft		
							Cft		
						181.50	Cft		
17	Providing and fixing gulley trap 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".								
	Cement concrete gulley trap 6" x 6" x 4" (150 x 150 x 100 mm) with C.I. cover and frame weighing not less than 10 kg.								
	(S.I No. 25-2a)								
		4				4.00	Each		
						4.00	Each		
18	Providing and fixing LDPE overhead tank manufactured by Dura or equivalent on top of any floor								
	b) 500 gallons capacity								
	(S.I No. 27-44 b)								
		2				2.00	Each		
						2.00	Each		
	Total								

GENERAL ABSTRACT OF COST		
REPAIR AND REHABILITATION OF BHU Ghulam Mustafa Lehri		
Sr. NO	DESCRIPTION OF WORK	TOTAL COST (Rs.)
1	GROUND FLOOR WORKS	
	i. CIVIL WORKS	
	ii. ELECTRIC WORKS	
	iii. PLUMBING WORKS	
2	SEWERAGE WORKS	
	i. CIVIL WORKS	
	Grant Total	3638062.81

REPAIR AND REHABILITATION OF BHU Ghulam Mustafa Lehri.					
S. No	Description	QTY	UNIT	RATE	AMOUNT
CIVIL WORKS GROUND FLOOR					
1	Providing and laying 1:2:4 P.C.C roof screeding using crushed stone 3/4", (19mm) including formwork, consolidation,				
	(S.I.No. 14-68/c)				
	TOTAL QUANTITY	772	P.SFT		
2	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.				
	TOTAL QUANTITY	802.00	Sft		
3	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				
		993.00	Kg		
2	Providing and fixing iron grills and Doors with square bars of 3/8" size as per approved Sq.m 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, with installation of Mirrors.				
	(S.I.No. 28-28)				
	GROUND FLOOR				
	TOTAL QUANTITY	197	P. SFT		

3	Providing and fixing Gypsum Board false ceiling of approved size and shape changed by approved suspension system, including provision of extra framing for lights fittings, A/C diffusers				
	(S.I No. 15-59/a)				
	GROUND FLOOR				
	TOTAL QUANTITY	672.00	P. SFT		
4	Providing and fixing PVC wall Panelling 9'' wide and 10 ft long including all accessories of approved design in any color, shade and pattern in ground floor.				
	(S.I No. 15-61)				
	GROUND FLOOR				
	TOTAL QUANTITY	640.00	P. SFT		
5	Painting with ICI/Berger or equivalent plastic emulsion paint of approved shade in two or more coats as per manufacturer's instructions on plastered rendered and/or concrete surface over and including the cost of priming coat, surface preparation, dusting, rubbing down smooth, filling cracks, holes removing blisters and other imperfections in ground floor or basement. (@ atleast 1.65 Litre per 10 Sq.m) (External walls With Weather Sheild)				
	(S.I No. 17-67/1)				
	GROUND FLOOR				
	TOTAL QUANTITY	7352.00	P. SFT		
6	Painting with ici/berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on wood work. etc				
	(S.I No. 17-6/1)				
	GROUND FLOOR				
	TOTAL QUANTITY	111.00	P. SFT		
7	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing. 19 mm thick cement plaster with 1:4 mortar etc				
	(S.I No. 15-4/iii)				
	GROUND FLOOR				
	TOTAL QUANTITY	4268.00	P. SFT		

8	Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed / Matt / Porcelaine 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. 14-74/a)				
	TOTAL QUANTITY	984.00	P. SFT		
9	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/aiii)				
	TOTAL QUANTITY	16.09	P CFT		
10	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.				
	(S.I No. 5- 8/e)				
	TOTAL QUANTITY	45	P.Cft		
11	Brick Masonry in Ratio (1:4) CSM-SR) (first class brick & Hill Sand) including 07 days curing for internal external sides, parapet wall on top of roof or Path way etc, as per Technical Specifcationswould be required) including Labor & material cost.				
	(S.I. No: 11-3/biii)				
		1464.1	P.Cft		
TOTAL =					

ELECTRICAL WORKS					
1.0	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. I/C wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc. (30-2)				
GROUND FLOOR					
TOTAL QUANTITY		15	No's		
2.0	Concealed 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. wiring with 3/4" (20 mm) dia. I/C PVC conduit and accessories such as bends, elbows, junction boxes etc. (30-3)				
GROUND FLOOR					
TOTAL QUANTITY		16	No's		
3.0	8 Supply and install 15 Amp, triple pole, 415 volts metal clad load breaker switch on surface of walls (30-56)				
GROUND FLOOR					
TOTAL QUANTITY		2	No's		
4.0	Supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories. (30-87)				
TOTAL QUANTITY		6	Each		
5.0	Supply and installation of Energy Savors & electric bulbs (30-117-c)				
GROUND FLOOR					
TOTAL QUANTITY		24	Each		
6	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. (30-17)				
GROUND FLOOR					
TOTAL QUANTITY		12	Each		
7	Supply and install distribution board, 18 SWG steel sheet 18"x24" enclosure, suitable for recess mounting, comprising one incoming MCCB-TP/100A, Outgoing 9 single phase MCB of various capacity with internal wiring earthing, neutral link etc. (30-115)				
GROUND FLOOR					
TOTAL QUANTITY		1	Each		
8	Supply and install 1-gang, 5 Amp, 250 Volt, plate type moulded switch including appropriate size plastic box to be fixed recessed in wall. (30-11)				
GROUND FLOOR					
TOTAL QUANTITY		6	Each		
TOTAL =					

PLUMBING WORKS					
1	Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.				
	(S.I. No: 23-2/ai)				
	GROUND FLOOR				
TOTAL QUANTITY		1	No's		
2	Providing and fixing 'P' trap including concrete chamber and C.I. grating				
	(S.I. No: 23-42/a)				
	GROUND FLOOR				
TOTAL QUANTITY		1	No's		
3	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.				
	(S.I. No: 23-5/ai)				
	GROUND FLOOR				
TOTAL QUANTITY		1	No's		
4	Providing and fixing superior quality C.P. bib cock of approved make				
	GROUND FLOOR				
TOTAL QUANTITY		2	No's		
5	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipe ILL make or equivalent gas line including the cost of jointing material with 500 Gallan Water fabric Tank.				
	GROUND FLOOR				
TOTAL QUANTITY		210	P. RFTs		
6	Supply and install Electric motors with pump, including all accessories				
	GROUND FLOOR				
TOTAL QUANTITY		1	No's		
7	Providing and fixing LDPE overhead tank manufactured by Dura or equivalent on top of any floor 500 gallons capacity				
	GROUND FLOOR				
TOTAL QUANTITY		1	No's		
TOTAL =					
SEWERAGE WORK					
1	Excavation of foundation of building bridges, including layout ,dressing,refilling arround structure with excavated earth ,watering ,ramming ,lead up to 100 ft .(30 m) & lift upto 5 ft.(1.5m).				
	(S.I No. 3-21/aiii)				
TOTAL QUANTITY		288.00	p. CFT		

2	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.				
	(S.I. No. 5- 8/e)				
	TOTAL QUANTITY	12.00	p. CFT		
3	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/a)				
	TOTAL QUANTITY	36.00	p. CFT		
4	Providing and laying first class solid burnt brick masonry (Brick Strength:1800psi2000psi) including scaffolding, raking out joints and curing in foundation and substructure/Basement i/c cost of testing				
	(S.I. No: 11-3/biii)				
	TOTAL QUANTITY	49.69	p. 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				
	(S.I. No: 5-22/c)				
	TOTAL QUANTITY	27.63	p. CFT		
6	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: 5-43/a)				
	TOTAL QUANTITY	0.08 ton	LBS		
7	Providing and laying terrazzo/mosaic floor in ground floor over 1" (25mm) thick base of 1:2:4 cement concrete using crushed aggregate 3/4" (19mm) and down grade laid in panels or approved pattern including formwork, curing, cutting, removing and polishing.				
	(S.I. No: 14-4/d)				
	TOTAL QUANTITY	38.06	p. SFT		
8	Providing damp proof course on vertical surface with 3/4" (19 mm) thick cement plaster 1:3 mixed with any approved water proofing agent including curing and providing a layer of polythene sheet 0.13mm thick (500 gauge), but excluding the cost of water proofing agent				
	(S.I. No: 8-8)				
	TOTAL QUANTITY	132.50	p. SFT		
9	Providing and fixing P.V.C.ribbed water stop in vertical or horizontal expansion joints including cutting or jointing				
	(S.I. No: 5-38/b)				
	TOTAL QUANTITY	20.00	p. RFT		

10	Providing and fixing steel grated single leaf door with locking arrangement, angle iron 2" x 2" x 3/8" frame, middle strip, 1/4" thick gusset plate 3" x 3" at each edge and 3/4" M.S square or round bars at 4" c/c including two coats of red oxide paint.				
	(S.I. No: 28-47/a)				
	TOTAL QUANTITY	17.50	p. SFT		

GENERAL ABSTRACT OF COST					
REPAIR AND REHABILITATION OF BHU Sakhi Azizullah Badini					
Sr. NO	DESCRIPTION OF WORK			UNIT COST (Rs.)	
1	GROUND FLOOR WORKS				
	i. CIVIL WORKS				
	ii. ELECTRIC WORKS				
	iii. PLUMBING WORKS				
2	SEWERAGE WORKS				
	i. CIVIL WORKS				
	TOTAL COST.			5174414.36	

REPAIR AND REHABILITATION OF BHU Azizullah Badini.					
S.No	Description	QTY	UNIT	RATE	AMOUNT
CIVIL WORKS GROUND FLOOR					
1	Providing and laying 1:2:4 P.C.C roof screeding using crushed stone 3/4", (19mm) including formwork, consolidation,				
	(S.I.No. 14-68/c)				
	TOTAL QUANTITY	1140	P.SFT		
2	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.				
	TOTAL QUANTITY	1140.00	P.sft		
3	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				
	TOTAL QUANTITY	1461.00	Kg		
4	Providing and fixing iron grills and Doors with square bars of 3/8" size as per approved Sq.m 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, with installation of Mirrors.				
	(S.I.No. 28-28)				
	GROUND FLOOR				
	TOTAL QUANTITY	288	P. SFT		
5	Providing and fixing Gypsum Board false ceiling of approved size and shape changed by approved suspension system, including provision of extra framing for lights fittings, A/C diffusers				
	(S.I No. 15-59/a)				
	GROUND FLOOR				
	TOTAL QUANTITY	756.00	P. SFT		

6	Providing and fixing PVC wall Panelling 9'' wide and 10 ft long including all accessories of approved design in any color, shade and pattern in ground floor.				
	(S.I No. 15-61)				
	GROUND FLOOR				
	TOTAL QUANTITY	540.00	P. SFT		
7	Painting with ICI/Berger or equivalent plastic emulsion paint of approved shade in two or more coats as per manufacturer's instructions on plastered rendered and/or concrete surface over and including the cost of priming coat, surface preparation, dusting, rubbing down smooth, filling cracks, holes removing blisters and other blisters and other imperfections in ground floor or basement. (@ atleast 1.65 Litre per 10 Sq.m) (External walls With Weather Sheild)				
	(S.I No. 17-67/1)				
	GROUND FLOOR				
	TOTAL QUANTITY	5604.00	P. SFT		
8	Painting with ici/berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on wood work. etc				
	(S.I No. 13-2/a)				
	GROUND FLOOR				
	TOTAL QUANTITY	330.00	P. SFT		
9	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing. 19 mm thick cement plaster with 1:4 mortar etc				
	(S.I No. 15-4/iii)				
	GROUND FLOOR				
	TOTAL QUANTITY	1584.00	P. SFT		
10	Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed / Matt / Porcelaine 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. 14-74/a)				
	TOTAL QUANTITY	1598.00	P. SFT		

11	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/aiii)				
	TOTAL QUANTITY	518.40	p.sft		
12	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.				
	(S.I No. 5- 8/e)				
	TOTAL QUANTITY	64.00	p.sft		
13	Brick Masonry in Ratio (1:4) CSM-SR) (first class brick & Hill Sand) including 07 days curing for internal external sides, parapet wall on top of roof or Path way etc, as per Technical Specifications would be required) including Labor & material cost.				
	(S.I. No: 11-3/biii)				
	TOTAL QUANTITY	2220.00	p.sft		
14	P/Installation Including Painting of Main Gate (16 SWG Sheet/MS Pipes, 14 SWG Side Frame) including small entrance of (4'x6.5') with hold fast, hinges, bolts cleats & Steel Handles etc complete in all respect and directed by Engineer in charge				
	TOTAL QUANTITY	60.00	Sqft		
15	Providing, fabricating and fixing M.S. Arch Sign Board at the main entrance of the building, comprising M.S. pipe/frame of approved size and design, M.S. sheet/aluminum composite panel (ACP) for display area, including welding, excavation and concrete foundation for posts, painting with approved synthetic enamel paint, lettering/logo as approved, and all allied fittings complete in all respects as directed by the Engineer Incharge.				
	TOTAL QUANTITY	1.00	No		
	TOTAL				

ELECTRICAL WORKS

1.0	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. I/C wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc. (30-2)				
GROUND FLOOR					
TOTAL QUANTITY		15	No's		
2.0	Concealed 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. wiring with 3/4" (20 mm) dia. I/C PVC conduit and accessories such as bends, elbows, junction boxes etc. (30-3)				
GROUND FLOOR					
TOTAL QUANTITY		16	No's		
3.0	8 Supply and install 15 Amp, triple pole, 415 volts metal clad load breaker switch on surface of walls (30-56)				
GROUND FLOOR					
TOTAL QUANTITY		2	No's		
4.0	Supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories. (30-87)				
TOTAL QUANTITY		6	Each		

5.0	Supply and installation of Energy Savors & electric bulbs (30-117-c)				
	GROUND FLOOR				
TOTAL	QUANTITY	24	Each		
6	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. (30-17)				
	GROUND FLOOR				
TOTAL	QUANTITY	12	Each		
7	Supply and install distribution board, 18 SWG steel sheet 18"x24" enclosure, suitable for recess mounting, comprising one incoming MCCB-TP/100A, Outgoing 9 single phase MCB of various capacity with internal wiring earthing, neutral link etc. (30-115)				
	GROUND FLOOR				
TOTAL	QUANTITY	1	Each		
8	Supply and install 1-gang, 5 Amp, 250 Volt,. plate type moulded switch including appropriate size plastic box to be fixed recessed in wall. (30-11)				
	GROUND FLOOR				
TOTAL	QUANTITY	6	Each		
TOTAL =					

PLUMBING WORKS					
1	Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.				
	(S.I. No: 23-2/ai)				
	GROUND FLOOR				
TOTAL	QUANTITY	1	No's		
2	Providing and fixing 'P' trap including concrete chamber and C.I. grating				
	(S.I. No: 23-42/a)				
	GROUND FLOOR				
TOTAL	QUANTITY	1	No's		
3	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.				
	(S.I. No: 23-5/ai)				
	GROUND FLOOR				
TOTAL	QUANTITY	1	No's		

4	Providing and fixing superior quality C.P. bib cock of approved make				
	GROUND FLOOR				
TOTAL QUANTITY		2	No's		
5	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipe ILL make or equivalent gas line including the cost of jointing material with 500 Gallon Water fabric Tank.				
	GROUND FLOOR				
TOTAL QUANTITY		210	P. RFTs		
6	Supply and install Electric motors with pump, including all accessories				
	GROUND FLOOR				
TOTAL QUANTITY		1	No's		
7	Providing and fixing LDPE overhead tank manufactured by Dura or equivalent on top of any floor 500 gallons capacity				
	GROUND FLOOR				
TOTAL QUANTITY		1	No's		
TOTAL =					

SEWERAGE WORK					
1	Excavation of foundation of building bridges, including layout ,dressing,refilling around structure with excavated earth ,watering ,ramming ,lead up to 100 ft .(30 m) & lift upto 5 ft.(1.5m) .				
	(S.I No. 3-21/aiii)				
	TOTAL QUANTITY	288.00	p. CFT		
2	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.				
	(S.I No. 5- 8/e)				
	TOTAL QUANTITY	12.00	p. CFT		
3	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/a)				
	TOTAL QUANTITY	36.00	p. CFT		
4	Providing and laying first class solid burnt brick masonry (Brick Strength:1800psi2000psi) including scaffolding, raking out joints and curing in foundation and substructure/Basement i/c cost of testing				
	(S.I. No: 11-3/biii)				
	TOTAL QUANTITY	49.69	p. 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				
	(S.I. No: 5-22/c)				
	TOTAL QUANTITY	27.63	p. CFT		
6	Providing and laying terrazzo/mosaic floor in ground floor over 1" (25mm) thick base of 1:2:4 cement concrete using crushed aggrgate 3/4" (19mm) and down grade laid in panels or approved pattern including formwork, curing, cutting, removing and polishing.				
	(S.I. No: 14-4/a)				
	TOTAL QUANTITY	38.06	p. SFT		

7	Providing damp proof course on vertical surface with 3/4" (19 mm) thick cement plaster 1:3 mixed with any approved water proofing agent including curing and providing a layer of polythene sheet 0.13mm thick (500 gauge), but excluding the cost of water proofing agent				
	(S.I. No: 8-8)				
	TOTAL QUANTITY	132.50	p. SFT		
8	Providing and fixing P.V.C. ribbed water stop in vertical or horizontal expansion joints including cutting or jointing				
	(S.I. No: 5-38/b)				
	TOTAL QUANTITY	20.00	p. RFT		
9	Providing and fixing steel grated single leaf door with locking arrangement, angle iron 2" x 2" x 3/8" frame, middle strip, 1/4" thick gusset plate 3" x 3" at each edge and 3/4" M.S square or round bars at 4" c/c including two coats of red oxide paint.				
	(S.I. No: 28-47/a)				
	TOTAL QUANTITY	15.00	p. SFT		
TOTAL					

GENERAL ABSTRACT OF COST		
REPAIR AND REHABILITATION OF BHU Turkish Colony		
Sr.NO	DESCRIPTION OF WORK	ESTIMATED COST
1	GROUND FLOOR WORKS	
	i. CIVIL WORKS	
	ii. ELECTRIC WORKS	
	iii. PLUMBING WORKS	
2	SEWERAGE WORKS	
	i. CIVIL WORKS	
	Grand Total =	4654712

REPAIR AND REHABILITATION OF BHU Turkish Colony.					
S.No	Description	QTY	UNIT	RATE	AMOUNT
CIVIL WORKS GROUND FLOOR					
1	Providing and laying 1:2:4 P.C.C roof screeding using crushed stone 3/4", (19mm) including formwork, consolidation,				
	(S.I.No. 14-68/c)				
	TOTAL QUANTITY	1920	P.SFT		
2	Providing and fixing iron grills and Doors with square bars of 3/8" size as per approved Sq.m 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, with installation of Mirrors.				
	(S.I.No. 28-28)				
	GROUND FLOOR				
	TOTAL QUANTITY	385	P. SFT		
3	Providing and fixing Gypsum Board false ceiling of approved size and shape changed by approved suspension system, including provision of extra framing for lights fittings, A/C diffusers				
	(S.I No. 15-59/a)				
	GROUND FLOOR				
	TOTAL QUANTITY	1176.00	P. SFT		
4	Providing and fixing PVC wall Panelling 9" wide and 10 ft long including all accessories of approved design in any color, shade and pattern in ground floor.				
	(S.I No. 15-61)				
	GROUND FLOOR				
	TOTAL QUANTITY	1960.00	P. SFT		

5	Painting with ICI/Berger or equivalent plastic emulsion paint of approved shade in two or more coats as per manufacturer's instructions on plastered rendered and/or concrete surface over and including the cost of priming coat, surface preparation, dusting, rubbing down smooth, filling cracks, holes removing blisters and other blisters and other imperfections in ground floor or basement. (@ atleast 1.65 Litre per 10 Sq.m) (External walls With Weather Sheild)				
	(S.I No. 17-67/1)				
	GROUND FLOOR				
	TOTAL QUANTITY	8600.00	P. SFT		
6	Painting with ici/berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on wood work. etc				
	(S.I No. 17-6/1)				
	GROUND FLOOR				
	TOTAL QUANTITY	243.00	P. SFT		
7	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing. 19 mm thick cement plaster with 1:4 mortar etc				
	(S.I No. 15-4/iii)				
	GROUND FLOOR				
	TOTAL QUANTITY	6820.00	P. SFT		
8	Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed / Matt / Porcelaine 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. 14-74/a)				
	TOTAL QUANTITY	3252.00	P. SFT		
TOTAL =					

ELECTRICAL WORKS					
1.0	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. I/C wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc. (30-2)				
GROUND FLOOR					
TOTAL QUANTITY		33	No's		
2.0	Concealed 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. wiring with 3/4" (20 mm) dia. I/C PVC conduit and accessories such as bends, elbows, junction boxes etc. (30-3)				
GROUND FLOOR					
TOTAL QUANTITY		36	No's		
3.0	8 Supply and install 15 Amp, triple pole, 415 volts metal clad load breaker switch on surface of walls (30-56)				
GROUND FLOOR					
TOTAL QUANTITY		11	No's		
4.0	Supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories. (30-87)				
TOTAL QUANTITY		9	Each		
5.0	Supply and installation of Energy Savors & electric bulbs (30-117-c)				
GROUND FLOOR					
TOTAL QUANTITY		25	Each		
6	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. (30-17)				
GROUND FLOOR					
TOTAL QUANTITY		42	Each		
7	Supply and install distribution board, 18 SWG steel sheet 18"x24" enclosure, suitable for recess mounting, comprising one incoming MCCB-TP/100A, Outgoing 9 single phase MCB of various capacity with internal wiring earthing, neutral link etc. (30-115)				
GROUND FLOOR					
TOTAL QUANTITY		5	Each		
8	Supply and install 1-gang, 5 Amp, 250 Volt,. plate type moulded switch including appropriate size plastic box to be fixed recessed in wall. (30-11)				
GROUND FLOOR					
TOTAL QUANTITY		6	Each		
TOTAL =					

PLUMBING WORKS					
1	Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.				
	(S.I. No: 23-2/ai)				
	GROUND FLOOR				
TOTAL QUANTITY		4	No's		
2	Providing and fixing 'P' trap including concrete chamber and C.I. grating				
	(S.I. No: 23-42/a)				
	GROUND FLOOR				
TOTAL QUANTITY		4	No's		
3	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.				
	(S.I. No: 23-5/ai)				
	GROUND FLOOR				
TOTAL QUANTITY		4	No's		
4	Providing and fixing superior quality C.P. bib cock of approved make				
	GROUND FLOOR				
TOTAL QUANTITY		16	No's		
5	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipe ILL make or equivalent gas line including the cost of jointing material with 500 Gallan Water fabric Tank.				
	GROUND FLOOR				
TOTAL QUANTITY		350	P. RFTs		
6	Supply and install Electric motors with pump, including all accessories				
	GROUND FLOOR				
TOTAL QUANTITY		1	No's		
7	Providing and fixing LDPE overhead tank manufactured by Dura or equivalent on top of any floor 500 gallons capacity				
	GROUND FLOOR				
TOTAL QUANTITY		1	No's		
TOTAL =					

SEWERAGE WORK					
1	Excavation of foundation of building bridges, including layout ,dressing,refilling around structure with excavated earth ,watering ,ramming ,lead up to 100 ft .(30 m) & lift upto 5 ft.(1.5m).				
	(S.I No. 3-21/aiii)				
	TOTAL QUANTITY	576.00	p. CFT		
2	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.				
	(S.I No. 5- 8/e)				
	TOTAL QUANTITY	12.00	p. CFT		
3	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/a)				
	TOTAL QUANTITY	36.00	p. CFT		
4	Providing and laying first class solid burnt brick masonry (Brick Strength:1800psi2000psi) including scaffolding, raking out joints and curing in foundation and substructure/Basement i/c cost of testing				
	(S.I. No: 11-3/biii)				
	TOTAL QUANTITY	49.69	p. 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				
	(S.I. No: 5-22/c)				
	TOTAL QUANTITY	27.63	p. CFT		
6	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: 5-43/a)				
	TOTAL QUANTITY	0.08 ton	LBS		

7	Providing and laying terrazzo/mosaic floor in ground floor over 1" (25mm) thick base of 1:2:4 cement concrete using crushed aggregate 3/4" (19mm) and down grade laid in panels or approved pattern including formwork, curing, cutting, removing and polishing.				
	(S.I. No: 14-4/a)				
	TOTAL QUANTITY	38.06	p. SFT		
8	Providing damp proof course on vertical surface with 3/4" (19 mm) thick cement plaster 1:3 mixed with any approved water proofing agent including curing and providing a layer of polythene sheet 0.13mm thick (500 gauge), but excluding the cost of water proofing agent				
	(S.I. No: 8-8)				
	TOTAL QUANTITY	132.50	p. SFT		
9	Providing and fixing P.V.C. ribbed water stop in vertical or horizontal expansion joints including cutting or jointing				
	(S.I. No: 5-38/b)				
	TOTAL QUANTITY	20.00	p. RFT		
10	Providing and fixing steel grated single leaf door with locking arrangement, angle iron 2" x 2" x 3/8" frame, middle strip, 1/4" thick gusset plate 3" x 3" at each edge and 3/4" M.S square or round bars at 4" c/c including two coats of red oxide paint.				
	(S.I. No: 28-47/a)				
	TOTAL QUANTITY	60.00	p. SFT		
GRAND TOTAL					

GENERAL ABSTRACT OF COST				
REPAIR AND REHABILITATION OF BHU Noor Mohammad				
Sr.NO	DESCRIPTION OF WORK			COST (Rs.)
1	GROUND FLOOR WORKS			
	i. CIVIL WORKS			
	ii. ELECTRIC WORKS			
	iii. PLUMBING WORKS			
2	SEWERAGE WORKS			
	i. CIVIL WORKS			
	Grand Total			3271500.59

REPAIR AND REHABILITATION OF BHU Noor Mohammad.					
Sr.No	Description	QTY	UNIT	RATE	AMOUNT
CIVIL WORKS GROUND FLOOR					
1	Earthwork for embankment lead upto 100 ft. (30m) and compaction by Manual (Maximum Area 250 Sft) labour at optimum moisture content, dressing to designed section, laying, leveling and watering.				
2	(S.I.No. 3-6/b)				
	TOTAL QUANTITY	7500	C.Ft		
	Providing and laying 1:2:4 P.C.C roof screeding using crushed stone 3/4", (19mm) including formwork, consolidation,				
(S.I.No. 14-68/c)					
	TOTAL QUANTITY	1852	P.SFT		
3	Providing and fixing iron grills and Doors with square bars of 3/8" size as per approved Sq.m 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, with installation of Mirrors.				
(S.I.No. 28-28)					
GROUND FLOOR					
	TOTAL QUANTITY	140	P. SFT		
4	Providing and fixing Gypsum Board false ceiling of approved size and shape changed by approved suspension system, including provision of extra framing for lights fittings, A/C diffusers				
(S.I No. 15-59/a)					
GROUND FLOOR					
	TOTAL QUANTITY	672.00	P. SFT		
5	Providing and fixing PVC wall Panelling 9'' wide and 10 ft long including all accessories of approved design in any color, shade and pattern in ground floor.				
(S.I No. 15-61)					
GROUND FLOOR					
	TOTAL QUANTITY	480.00	P. SFT		

6	Painting with ICI/Berger or equivalent plastic emulsion paint of approved shade in two or more coats as per manufacturer's instructions on plastered rendered and/or concrete surface over and including the cost of priming coat, surface preparation, dusting, rubbing down smooth, filling cracks, holes removing blisters and other blisters and other imperfections in ground floor or basement. (@ atleast 1.65 Litre per 10 Sq.m) (External walls With Weather Sheild)				
	(S.I No. 17-67/1)				
	GROUND FLOOR				
	TOTAL QUANTITY	8072.00	P. SFT		
7	Painting with ici/berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on wood work. etc				
	(S.I No. 17-6/1)				
	GROUND FLOOR				
	TOTAL QUANTITY	111.00	P. SFT		
8	Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed / Matt / Porcelaine 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,				
	(S.I No. 14-74/a)				
	TOTAL QUANTITY	2210.00	P. SFT		
	TOTAL =				

ELECTRICAL WORKS

1.0	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. I/C wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc. (30-2)				
	GROUND FLOOR				
TOTAL QUANTITY		15	No's		
2.0	Concealed 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. wiring with 3/4" (20 mm) dia. I/C PVC conduit and accessories such as bends, elbows, junction boxes etc. (30-3)				
	GROUND FLOOR				
TOTAL QUANTITY		16	No's		
3.0	8 Supply and install 15 Amp, triple pole, 415 volts metal clad load breaker switch on surface of walls (30-56)				
	GROUND FLOOR				
TOTAL QUANTITY		2	No's		
4.0	Supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories. (30-87)				
TOTAL QUANTITY		6	Each		
5.0	Supply and installation of Energy Savors & electric bulbs (30-117-c)				
	GROUND FLOOR				
TOTAL QUANTITY		24	Each		

6	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. (30-17)				
	GROUND FLOOR				
TOTAL QUANTITY		12	Each		
7	Supply and install distribution board, 18 SWG steel sheet 18"x24" enclosure, suitable for recess mounting, comprising one incoming MCCB-TP/100A, Outgoing 9 single phase MCB of various capacity with internal wiring earthing, neutral link etc. (30-115)				
	GROUND FLOOR				
TOTAL QUANTITY		1	Each		
8	Supply and install 1-gang, 5 Amp, 250 Volt,. plate type moulded switch including appropriate size plastic box to be fixed recessed in wall. (30-11)				
	GROUND FLOOR				
TOTAL =					

PLUMBING WORKS					
1	Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.				
	(S.I. No: 23-2/ai)				
	GROUND FLOOR				
TOTAL QUANTITY		2	No's		
2	Providing and fixing 'P' trap including concrete chamber and C.I. grating				
	(S.I. No: 23-42/a)				
	GROUND FLOOR				
TOTAL QUANTITY		2	No's		
3	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.				
	(S.I. No: 23-5/ai)				
	GROUND FLOOR				
TOTAL QUANTITY		2	No's		
4	Providing and fixing superior quality C.P. bib cock of approved make				
	GROUND FLOOR				
TOTAL QUANTITY		4	No's		
5	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipe ILL make or equivalent gas line including the cost of jointing material with 500 Gallan Water fabric Tank.				
	GROUND FLOOR				
TOTAL QUANTITY		210	P. RFTs		
6	Supply and install Electric motors with pump, including all accessories				
	GROUND FLOOR				
TOTAL QUANTITY		1	No's		
7	Providing and fixing LDPE overhead tank manufactured by Dura or equivalent on top of any floor 500 gallons capacity				
	GROUND FLOOR				
TOTAL QUANTITY		1	No's		
TOTAL =					

SEWERAGE WORK					
1	Excavation of foundation of building bridges, including layout ,dressing,refilling arround structure with excavated earth ,watering ,ramming ,iead up to 100 ft .(30 m) & lift upto 5 ft.(1.5m) .				
	(S.I No. 3-21/aiai)				
	TOTAL QUANTITY	96.00	p. CFT		
2	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.				
	(S.I No. 5- 8/e)				
	TOTAL QUANTITY	12.00	p. CFT		
3	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/a)				
	TOTAL QUANTITY	36.00	p. CFT		
4	Providing and laying first class solid burnt brick masonry (Brick Strength:1800psi2000psi) including scaffolding, raking out joints and curing in foundation and substructure/Basement i/c cost of testing				
	(S.I. No: 11-3/biii)				
	TOTAL QUANTITY	49.69	p. 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				
	(S.I. No: 5-22/c)				
	TOTAL QUANTITY	27.63	p. CFT		
6	Providing and laying terrazzo/mosaic floor in ground floor over 1" (25mm) thick base of 1:2:4 cement concrete using crushed aggrgate 3/4" (19mm) and down grade laid in panels or approved pattern including formwork, curing, cutting, removing and polishing.				
	(S.I. No: 14-4/a)				
	TOTAL QUANTITY	38.06	p. SFT		

7	Providing damp proof course on vertical surface with 3/4" (19 mm) thick cement plaster 1:3 mixed with any approved water proofing agent including curing and providing a layer of polythene sheet 0.13mm thick (500 gauge), but excluding the cost of water proofing agent				
	(S.I. No: 8-8)				
	TOTAL QUANTITY	132.50	p. SFT		
8	Providing and fixing P.V.C. ribbed water stop in vertical or horizontal expansion joints including cutting or jointing				
	(S.I. No: 5-38/b)				
	TOTAL QUANTITY	20.00	p. RFT		
9	Providing and fixing steel grated single leaf door with locking arrangement, angle iron 2" x 2" x 3/8" frame, middle strip, 1/4" thick gusset plate 3" x 3" at each edge and 3/4" M.S square or round bars at 4" c/c including two coats of red oxide paint.				
	(S.I. No: 28-47/a)				
	TOTAL QUANTITY	30.00	p. SFT		
TOTAL					

SUMMARY OF COST BHU Safrani			
		RATE	AMOUNT
1	Rehabilitation of Building		
2	Constructiobn of Washroom		
3	Boundary Wall		
	Total =		4,790,658

Rehabilitation Of BHU Safrani								
Sub Head (A)	DESCRIPTION	Length (L)	Width (W)	Hieght (H)	QTY	UNIT	RATE	AMOUNT
1	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							
	Rooms	14	12	0.25	126			
	Hall	14	10	0.25	35			
					161	Sft		
2	Dismantling of plaster							
	Rooms	14		14	588			
	Hall	14		10	140			
					728	Sft		
3	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.							
	Rooms	14	12	9	1404			
	Hall	14	10	9	432			
	Total				1836	Sft		
	Deduction							
	Doors		4	7	112			
	Windows		4	6	168			
	Total				280			
	Sub Total				1556	Sft		
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.							
	Rooms	14	12		504			
	Hall	14	10		140			
					644	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	14	3		378			
	T iron	12	0.5		216			
					594	kg		
6	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	14	12	0.50	252			
	Hall	14	10	0.50	70			
					322	Cft		
7	Retrofitting							
	Retrofitting for Cantilever by Dismantling of damaged concrete, cleaning and rust removal from reinforcement bars, add new bars as per requirement, application of anti-corrosion treatment, followed by the supply and application of polymer-modified repair mortar and including surface preparation, crack filling, and curing as per standard practices for the repair of RCC.							
	Hall	14	4		56			
	SunShade (Chajja)	8	5		280			
					336	Sft		
8	Roller Blinder							
	Providing and fixing roller blinds of approved quality, color, texture and design, comprising fabric blind, aluminum roller tube, brackets, chain operating mechanism and all necessary accessories, complete in all respects as directed by the Engineer Incharge.							
		6	4		168			
					168	Sft		

9	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		168		
					168	Sft	
10	Tiling						
	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.						
	Rooms	14	12	4	712		
	Hall	14	10	4	292		
	Total				1004	Sft	
	Deduction						
	Doors	7	4		112		
	Windows	6	3		126		
	Total				238		
	Grand Total				766	Sft	
11	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						
	Rooms	14	12	9	972		
	Hall	14	10	10	520		
					1492	Sft	
12	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.						
	Whole Building	50	35	12	2040		
					2040	Sft	
13	Ceiling Fans				4	Each	
14	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						
					7	Point	
	Total						

Construction of New Washroom (6x5) BHU Safrani								
Sub Head (B)	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)							
	Washroom	28	2.5	2	140			
					140	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.							
	Long Walls	28	2.5	0.250	17.50			
					17.50	Cu.ft		
3	Brick Masonary							
	Providing and laying first class solid burnt brick masonry (Brick Strength:1800psi-2000psi) including scaffolding, raking out joints and curing in foundation and substructure/Basement i/c cost of testing							
	13 Inch Wall	28	1.08	2	60.7			
	9 Inch Wall	28	0.75	8	168			
					228.7	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.							
	Washroom	6	6		36			
					36	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	6	3		18			
	T iron	7	0.5		10.5			
					28.5	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							
	Washroom	6	6		36			
					36	Sft		
7	Plaster							
	3/4 inch (19mm) thick cement plaster 1:3 using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.							
	single room interior/exterior	6	5	8	176			
					176	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.							
	Washroom	6	5	0.50	15			
					15	Cft		
9	Door							
	Providing and fixing single leaf steel door with frame fully panelled with M.S sheet 16 gauge (1.59mm) painted with to coats of redoxide paint with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.							
	Door	7	2.5		17.5			
	Ventilators	1.5	1.5		2.25			
					19.75	Sft		

10	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						
	Interior	6	5	8	206		
					206	Sft	
11	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.						
	Outer	6	6	10	240		
					240	Sft	
12	LDPE Water Tank						
	Providing and fixing LDPE overhead tank 300 gallon capacity double ply, blue/white manufactured by Marjan, Master or equivalent on top of any floor						
					1	Each	
13	Water Connection						
	Providing, laying, cutting, jointing, testing and disinfecting HDPE pipes density 700 - 960 Kg/ cu.m carbon black content .2% DIN 8074, 8075 or PS 3580-1997 (rev.) ISO 9001-2000 pressure classification of PF 100(black) for water PN-10, Complete in all respect, including specials and all fittings, connections and jointing material	200			200	Rft	
14	Dunkey Pump						
	P/Installation of Dunkey Pump with (2 HP) Motor Diamond, asal Panjab full copper) including Switch board, button plug, wiring & also Steel frame for security purpose made of angle iron 1.5" & 3mm thick, side grill with 6mm bar or flat bar, to be fixed in pcc 1:2:4 pad, Supply and fixing with all accessories connection to water tank. testing & commissioning, having 3 months warranty. Complete in all respect and as per instruction of engineer				1	No	
15	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				20	ft.	
16	Wash Basins						
	Providing and fixing approved quality fixtures Wash basin 24" (610 mm) ICL Futura make				1	No.	
17	Water Closet						
	Providing and fixing white English/Indian W.C with glazed earthen ware 4"(100mm) trap squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC downpipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.				1	Each	
18	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.				30	Rft	
19	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	
19	Washroom Assories set				1	each	
	Total						

Boundary Wall								
Sub Head (C)	DESCRIPTION	Length (L)	Width (W)	Hieght (H)	QTY	UNIT	RATE	AMOUNT
1	Excavation in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m)							
	Boundary Wall	330	1.083	2	715			
					715	Cft		
2	Providing and laying PCC Lean (1:4:8) as per standard & also 07 days curing, Quantity required as per attached approved design, (SR-Cement Elephant/Luckey 10,000 PSI, Fine Hill Sand & 1/2" crush free from debries would be required) including Labor & material cost.							
	Boundary Wall	330	1.083	0.25	89.375			
					89.375	Cft		
3	Brick Masonry in Ratio (1:4) CSM-SR) (first class brick & Hill Sand) including 07 days curing for internal external sides, parapet wall on top of roof or Path way etc, as per Technical Specifications would be required) including Labor & material cost.							
	Boundary Wall 13"	330	1.08	3	1069.2			
	Boundary Wall 9"	330	0.75	7	1732.5			
					2801.7	Cft		
4	Plaster of latrines, water shed, below D.P.C level, & parapet wall (1:4) CSM 1/2" thick, as per standard & also 07 days curing, Quantity required as per attached approved design, Cement Elephant/Luckey 10,000 PSI, Fine Hill Sand free from debries would be required) including Labor, material, Dismantling of existing damaged Plaster, & Filling of Main Cracks. Where required at any height at any point complete in all respects as required by engineer in charge							
	Plaster of Walls	660		8	5280			
					5280	Cft		
5	Weather Shield Paint (ICI/Berger/Master Scraping, Preparing the Surface & painting with at least 3 weather coats (ICI/Berger/Master) , filling the voids with chalk plaster of Paris & then painting weather coat of approved make, walls and ceiling, including the primer coat, preparation of surface, dusting, sand papering or rubbing with pumice stone, filling cracks or holes, if any, removing blisters or other imperfections at any height (including scaffolding) or any floor, complete, paint spills, also tiles at the wall and the floor. Clean up the site after completion.							
	Boundary Wall	660		10	6600			
					6600	Cft		
6	Hollow Column for Main Gate: Brick Masonry in Ratio (1:4) CSM-SR) (first class brick & Hill Sand) including 07 days curing for internal external sides, parapet wall on top of roof or Path way etc, as per Technical Specifications would be required) including Labor & material cost.	3	3	7	63	Cft		
7	RCC (1:2:4) Column Including Steel for Main Gate	0.75	0.75	7	21	Cft		
8	P/Installation Including Painting of Main Gate (16 SWG Sheet/MS Pipes, 14 SWG Side Frame) including small entrance of (4'x6.5') with hold fast, hinges, bolts cleats & Steel Handles etc complete in all respect and directed by Engineer in charge	10	6		60	Sqft		
9	Providing, fabricating and fixing M.S. Arch Sign Board at the main entrance of the building, comprising M.S. pipe/frame of approved size and design, M.S. sheet/aluminum composite panel (ACP) for display area, including welding, excavation and concrete foundation for posts, painting with approved synthetic enamel paint, lettering/logo as approved, and all allied fittings complete in all respects as directed by the Engineer Incharge.							
	Sign Board				1	No		
Total Cost:								

	SUMMARY OF COST BHU Yagdar	RATE	AMOUNT
1	Rehabilitation of Building		
2	Constructiobn of Washroom		
3	Boundary Wall		
	Total =		4,975,756

Rehabilitation Of BHU Yagdar								
Sub Head (A)	DESCRIPTION	Length (L)	Width (W)	Hieght (H)	QTY	UNIT	RATE	AMOUNT
1	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							
	Rooms	14	12	0.25	126			
	Hall	14	10	0.25	35			
					161	Sft		
2	Dismantling of plaster							
	Rooms	14		10	420			
	Hall	14		10	140			
					560	Sft		
3	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.							
	Rooms	14	12	10	1560			
	Hall	14	10	10	480			
	Total				2040	Sft		
	Deduction							
	Doors		4	7	112			
	Windows		4	6	168			
	Total				280			
	Sub Total				1760	Sft		
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.							
	Rooms	14	12		504			
	Hall	14	10		140			
					644	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	14	3		378			
	T iron	12	0.5		216			
					594	kg		
6	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	14	12	0.50	252			
	Hall	14	10	0.50	70			
					322	Cft		
7	Retrofitting							

	Retrofitting for Cantilever by Dismantling of damaged concrete, cleaning and rust removal from reinforcement bars, add new bars as per requirement, application of anti-corrosion treatment, followed by the supply and application of polymer-modified repair mortar and including surface preparation, crack filling, and curing as per standard practices for the repair of RCC.						
	Hall	14	4		56		
	SunShade (Chajja)	8	5		280		
					336	Sft	
8	Roller Blinder						
	Providing and fixing roller blinds of approved quality, color, texture and design, comprising fabric blind, aluminum roller tube, brackets, chain operating mechanism and all necessary accessories, complete in all respects as directed by the Engineer Incharge.						
		6	4		168		
					168	Sft	
9	Door Frame Installation						
	Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard conforming to B.S.S.1245, treated with special primer base paint all round, fitted with six fixing lugs, three steel hinges for fixing door shutters standard lock-strike plate, one sliding holt eye, and three rubber buffers, including cutting holes and making good damages to walls and filling the door frame cavity with lean cement mortar 1:4 as directed by the Engineer Incharge.						
	Room	7	4		72		
					72	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						
	Room	7	4		112		
					112	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		168		
					168	Sft	
12	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.						
	Rooms	14	12	4	712		
	Hall	14	10	4	292		
	Total				1004	Sft	

	Deduction						
	Doors	7	4		112		
	Windows	6	3		126		
	Total				238		
	Grand Total				766	Sft	
13	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						
	Rooms	14	12	9	972		
	Hall	14	10	10	520		
					1492	Sft	
14	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.						
	Whole Building	50	35	12	2040		
					2040	Sft	
15	Ceiling Fans				4	Each	
16	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						
					7	Point	
	Total						

Construction of New Washroom (6x5) BHU Yagdar

Sub Head (B)	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)							
	Washroom	28	2.5	2	140			
					140	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.							
	Long Walls	28	2.5	0.250	17.5			
					17.5	Cu.ft		
3	Brick Masonary							
	Providing and laying first class solid burnt brick masonry (Brick Strength:1800psi-2000psi) including scaffolding, raking out joints and curing in foundation and substructure/Basement i/c cost of testing							
	13 Inch Wall	28	1.083	2	60.7			
	9 Inch Wall	18	0.75	8	108			
					168.7	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.							
	Washroom	6	6		36			
					36	Sft		
5	Girders & T iron							
	Fabrication of heavy steel work with angle, tees, flat iron, round iron and sheet iron for making trusses, girders, tanks etc. including cutting, drilling riveting, handling, assembling and fixing but excluding erection in position as per directions of Engineer							
	Girders (9Nos)	6	3		18			
	T iron (24Nos)	7	0.5		10.5			
					28.5	kg		
6	Roof Screading							
	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							
	Washroom	6	6		36			
					36	Sft		
7	Plaster							
	3/4 inch (19mm) thick cement plaster 1:3 using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing.							

	single room interior/exterior	6	5	8	176			
					176	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.							
	Washroom	6	5	0.50	15			
					15	Cft		
9	Door							
	Providing and fixing single leaf steel door with frame fully panelled with M.S sheet 16 gauge (1.59mm) painted with two coats of redoxide paint with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.							
	Door	7	2.5		17.5			
	Ventilators	1.5	1.5		2.25			
					19.75	Sft		
10	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							
	Interior	6	5	8	206			
					206	Sft		
11	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.							
	Outer	6	6	10	240			
					240	Sft		
12	LDPE Water Tank							
	Providing and fixing LDPE overhead tank 300 gallon capacity double ply, blue/white manufactured by Marjan, Master or equivalent on top of any floor							
					1	Each		
13	Water Connection							
	Providing, laying, cutting, jointing, testing and disinfecting HDPE pipes density 700 - 960 Kg/ cu.m carbon black content .2% DIN 8074, 8075 or PS 3580-1997 (rev.) ISO 9001-2000 pressure classification of PF 100(black) for water PN-10, Complete in all respect, including specials and all fittings, connections and jointing material	150			150	Rft		
14	Dunkey Pump							

	P/installation of Dunkey Pump with (2 HP) Motor Diamond ,asal Panjab full copper) including Switch board, button plug, wiring & also Steel frame for security purpose made of angle iron 1.5" & 3mm thick, side grill with 6mm bar or flat bar, to be fixed in pcc 1:2:4 pad, Supply and fixing with all accessories connection to water tank. testing & commissioning, having 3 months warranty. Complete in all respect and as per instruction of engineer				1	No		
15	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							
					20	ft.		
16	Wash Basins							
	Providing and fixing approved quality fixtures Wash basin 24" (610 mm) ICL Futura make							
					1	No.		
17	Water Closet							
	Providing and fixing white English/indian W.C with glazed earthen ware 4"(100mm) trap squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC downpipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.							
					1	Each		
18	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.							
					30	Rft		
19	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		
20	Washroom Assories set				1	each		
	Total							

Boundary Wall								
Sub Head (C)	DESCRIPTION	Length (L)	Width (W)	Hieght (H)	QTY	UNIT	RATE	AMOUNT
1	Excavation in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m)							
	Boundary Wall	330	1.083	2	715			
					715	Cft		
2	Providing and laying PCC Lean (1:4:8) as per standard & also 07 days curing, Quantity required as per attached approved design, (SR-Cement Elephant/Luckey 10,000 PSI, Fine Hill Sand & 1/2" crush free from debries would be required) including Labor & material cost.							
	Boundary Wall	330	1.083	0.25	89.375			
					89.375	Cft		
3	Brick Masonry in Ratio (1:4) CSM-SR) (first class brick & Hill Sand) including 07 days curing for internal external sides, parapet wall on top of roof or Path way etc, as per Technical Specifications would be required) including Labor & material cost.							
	Boundary Wall 13"	330	1.08	3	1069.2			
	Boundary Wall 9"	330	0.75	7	1732.5			
					2801.7	Cft		
4	Plaster of latrines, water shed, below D.P.C level, & parapet wall (1:4) CSM 1/2" thick, as per standard & also 07 days curing, Quantity required as per attached approved design, Cement Elephant/Luckey 10,000 PSI, Fine Hill Sand free from debries would be required) including Labor, material, Dismantling of existing damaged Plaster, & Filling of Main Cracks. Where required at any height at any point complete in all respects as required by engineer in charge							
	Plaster of Walls	660		8	5280			
					5280	Cft		
5	Weather Shield Paint ICI/Berger/Master Scraping, Preparing the Surface & painting with at least 3 weather coats (ICI/Berger/Master) , filling the voids with chalk plaster of Paris & then painting weather coat of approved make, walls and ceiling, including the primer coat, preparation of surface, dusting, sand papering or rubbing with pumice stone, filling cracks or holes, if any, removing blisters or other imperfections at any height (including scaffolding) or any floor, complete. paint spills, also tiles at the wall and the floor. Clean up the site after completion.							
	Boundary Wall	660		10	6600			
					6600	Cft		
6	Hollow Column for Main Gate: Brick Masonry in Ratio (1:4) CSM-SR) (first class brick & Hill Sand) including 07 days curing for internal external sides, parapet wall on top of roof or Path way etc, as per Technical Specifications would be required) including Labor & material cost.	3	3	7	63	Cft		
7	RCC (1:2:4) Column Including Steel for Main Gate	0.75	0.75	7	21	Cft		

8	P/Installation Including Painting of Main Gate (16 SWG Sheet/MS Pipes, 14 SWG Side Frame) including small entrance of (4'x6.5') with hold fast, hinges, bolts cleats & Steel Handles etc complete in all respect and directed by Engineer in charge	10	6		60	Sqft		
9	Providing, fabricating and fixing M.S. Arch Sign Board at the main entrance of the building, comprising M.S. pipe/frame of approved size and design, M.S. sheet/aluminum composite panel (ACP) for display area, including welding, excavation and concrete foundation for posts, painting with approved synthetic enamel paint, lettering/logo as approved, and all allied fittings complete in all respects as directed by the Engineer Incharge.							
	Sign Board				1	No		
	Total Cost:							

	SUMMARY OF COST BHU Zulfiqarabad		
		RATE	AMOUNT
1	Rehabilitation of Building		
2	Constructiobn of Washroom		
3	Boundary Wall		
	Total =		5277024.5

Rehabilitation Of BHU Zulfiqarabad								
Sub Head (A)	DESCRIPTION	Length (L)	Width (W)	Hieght (H)	QTY	UNIT	RATE	AMOUNT
1	Earthfilling							
	Earthfilling from any nearer soruce for embankment lead upto 1000 M and compaction by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering. Earthfilling will be in layers about 1 feet layer & will be compacted by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering.							
		40	30	10	12000			
					12000	Sft		
2	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							
	Rooms	14	12	0.25	126			
	Hall	14	10	0.25	35			
					161	Sft		
3	Dismantling of plaster							
	Rooms	14		14	588			
	Hall	14		10	140			
					728	Sft		
4	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.							
	Rooms	14	12	10	1560			
	Hall	14	10	10	480			
	Total				2040	Sft		
	Deduction							
	Doors		4	7	112			
	Windows		4	6	168			
	Total				280			
	Sub Total				1760	Sft		
5	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.							
	Rooms	14	12		504			
	Hall	14	10		140			
					644	Sft		
6	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	14	3		378			
	T iron	12	0.5		216			
					594	kg		
7	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	14	12	0.50	252			
	Hall	14	10	0.50	70			
					322	Cft		
8	Retrofitting							

	Retrofitting for Cantilever by Dismantling of damaged concrete, cleaning and rust removal from reinforcement bars, add new bars as per requirement, application of anti-corrosion treatment, followed by the supply and application of polymer-modified repair mortar and including surface preparation, crack filling, and curing as per standard practices for the repair of RCC.						
	Hall	14	4		56		
	SunShade (Chajja)	8	5		280		
					336	Sft	
9	Roller Blinder						
	Providing and fixing roller blinds of approved quality, color, texture and design, comprising fabric blind, aluminum roller tube, brackets, chain operating mechanism and all necessary accessories, complete in all respects as directed by the Engineer Incharge.						
		6	4		168		
					168	Sft	
10	Door Frame Installation						
	Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard conforming to B.S.S.1245, treated with special primer base paint all round, fitted with six fixing lugs, three steel hinges for fixing door shutters standard lock-strike plate, one sliding holt eye, and three rubber buffers, including cutting holes and making good damages to walls and filling the door frame cavity with lean cement mortar 1:4 as directed by the Engineer Incharge.						
	Room	7	4		72		
					72	Rft	
11	Door Installation						
	Providing and fixing 1.5" (38mm) thick pressed Teak wood, 5 Ply flushed with First class wood veneering on all faces and sides fixed over deodar wood cavited core and frame work of not less than 4" (100mm) wide strips all-round with approved brass hinges, tower bolts as required						
	Room	7	4		112		
					112	Sft	
12	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		168		
					168	Sft	
13	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.						
	Rooms	14	12	4	712		
	Hall	14	10	4	292		
	Total				1004	Sft	
	Deduction						
	Doors	7	4		112		
	Windows	6	3		126		
	Total				238		
	Grand Total				766	Sft	
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						

	Rooms	14	12	9	972			
	Hall	14	10	10	520			
					1492	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.							
	Whole Building	50	35	12	2040			
					2040	Sft		
16	Ceiling Fans				4	Each		
17	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							
					7	Point		
	Total							

Construction of New Washroom (6x5) BHU Zulfiqarabad								
Sub Head (B)	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)							
	Washroom	28	2.5	2	140			
					140	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.							
	Long Walls	28	2.5	0.250	17.5			
					17.5	Cu.ft		
3	Brick Masonary							
	Providing and laying first class solid burnt brick masonry (Brick Strength:1800psi-2000psi) including scaffolding, raking out joints and curing in foundation and substructure/Basement i/c cost of testing							
	13 Inch Wall	28	1.083	2	60.7			
	9 Inch Wall	28	0.75	8	168			
					228.7	Cu.ft		
4	Roofing							
	Providing and laying first class tile roof insulation comprising single layer of tiles12"x6"x1 1/2"grouted with cement sand mortar 1:3 laid over 2.5" thick cement concrete1:4:8 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.							
	Washroom	6	6		36			
					36	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	6	3		18			
	T iron	7	0.5		10.5			
					28.5	kg		
6	Roof Screading							
	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							
	Washroom	6	6		36			
					36	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.						
		6	5	8	176		
					176	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.						
	Washroom	6	5	0.50	15		
					15	Cft	
9	Door						
	Providing and fixing single leaf steel door with frame fully panelled with M.S sheet 16 gauge (1.59mm) painted with to coats of redoxide paint with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.						
	Door	7	2.5		17.5		
	Ventilators	1.5	1.5		2.25		
					19.75	Sft	
10	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						
	Interior	6	5	8	206		
					206	Sft	
11	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.						
	Outer	6	6	10	240		
					240	Sft	
12	LDPE Water Tank						
	Providing and fixing LDPE overhead tank 300 gallon capacity double ply, blue/white manufactured by Marjan, Master or equivalent on top of any floor						
					1	Each	
13	Water Connection						
	Providing, laying, cutting, jointing, testing and disinfecting HDPE pipes density 700 - 960 Kg/ cu.m arbon black contentent . 2% DIN 8074, 8075 or PS 3580-1997 (rev.) ISO 9001-2000 pressure clasification of PF 100(black) for water PN-10, Complete in all respect, including specials and all fittings, connnections and jointing material	150			150	Rft	

14	Dunkey Pump							
	P/installation of Dunkey Pump with (2 HP) Motor Diamond ,asal Panjab full copper) including Switch board, button plug, wiring & also Steel frame for security purpose made of angle iron 1.5" & 3mm thick, side grill with 6mm bar or flat bar, to be fixed in pcc 1:2:4 pad, Supply and fixing with all accessories connection to water tank. testing & commissioning, having 3 months warranty. Complete in all respect and as per instruction of engineer				1	No		
15	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				20	ft.		
16	Wash Basins							
	Providing and fixing approved quality fixtures Wash basin 24" (610 mm) ICL Futura make				1	No.		
17	Water Closet							
	Providing and fixing white English/indian W.C with glazed earthen ware 4"(100mm) trap squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC downpipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.				1	Each		
18	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.				30	Rft		
19	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		
20	Washroom Assories set				1	each		
Total								

Boundary Wall								
Sub Head (C)	DESCRIPTION	Length (L)	Width (W)	Hieght (H)	QTY	UNIT	RATE	AMOUNT
1	Excavation in foundation of buildings and bridges including layout, dressing, refilling around structures with excavated earth, watering & ramming lead upto 100 ft. (30m) & lift upto 5 ft. (1.5m)							
	Boundary Wall	330	1.083	2	715			
					715	Cft		
2	Providing and laying PCC Lean (1:4:8) as per standard & also 07 days curing, Quantity required as per attached approved design, (SR-Cement Elephant/Luckey 10,000 PSI, Fine Hill Sand & 1/2" crush free from debries would be required) including Labor & material cost.							
	Boundary Wall	330	1.083	0.25	89.375			
					89.375	Cft		
3	Brick Masonry in Ratio (1:4) CSM-SR) (first class brick & Hill Sand) including 07 days curing for internal external sides, parapet wall on top of roof or Path way etc, as per Technical Specifications would be required) including Labor & material cost.							
	Boundary Wall 13"	330	1.08	3	1069.2			
	Boundary Wall 9"	330	0.75	7	1732.5			
					2801.7	Cft		
4	Plaster of latrines, water shed, below D.P.C level, & parapet wall (1:4) CSM 1/2" thick, as per standard & also 07 days curing, Quantity required as per attached approved design, Cement Elephant/Luckey 10,000 PSI, Fine Hill Sand free from debries would be required) including Labor, material, Dismantling of existing damaged Plaster, & Filling of Main Cracks. Where required at any height at any point complete in all respects as required by engineer in charge							
	Plaster of Walls	660		8	5280			
					5280	Cft		
5	Weather Shield Paint ICI/Berger/Master Scraping, Preparing the Surface & painting with at least 3 weather coats (ICI/Berger/Master) , filling the voids with chalk plaster of Paris & then painting weather coat of approved make, walls and ceiling, including the primer coat, preparation of surface, dusting, sand papering or rubbing with pumice stone, filling cracks or holes, if any, removing blisters or other imperfections at any height (including scaffolding) or any floor, complete. paint spills, also tiles at the wall and the floor. Clean up the site after completion.							
	Boundary Wall	660		10	6600			
					6600	Cft		
6	Hollow Column for Main Gate: Brick Masonry in Ratio (1:4) CSM-SR) (first class brick & Hill Sand) including 07 days curing for internal external sides, parapet wall on top of roof or Path way etc, as per Technical Specifications would be required) including Labor & material cost.	3	3	7	63	Cft		
7	RCC (1:2:4) Column Including Steel for Main Gate	0.75	0.75	7	21	Cft		
8	P/Installation Including Painting of Main Gate (16 SWG Sheet/MS Pipes, 14 SWG Side Frame) including small entrance of (4'x6.5') with hold fast, hinges, bolts cleats & Steel Handles etc complete in all respect and directed by Engineer in charge	10	6		60	Sqft		
9	Providing, fabricating and fixing M.S. Arch Sign Board at the main entrance of the building, comprising M.S. pipe/frame of approved size and design, M.S. sheet/aluminum composite panel (ACP) for display area, including welding, excavation and concrete foundation for posts, painting with approved synthetic enamel paint, lettering/logo as approved, and all allied fittings complete in all respects as directed by the Engineer Incharge.							
	Sign Board				1	No		
Total Cost:								

Rehabilitation Of BHU Saifabad								
S.No	DESCRIPTION	Length (L)	Width (W)	Hieght (H)	QTY	UNIT	RATE	AMOUNT
1	Earthfilling							
	Earthfilling from any nearer source for embankment lead upto 1000 M and compaction by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering. Earthfilling will be in layers about 1 feet layer & will be compacted by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering.							
	Whole Building	80	50	6	24000			
					24000	Sft		
2	Dismantling							
	Carefully dismantling/removing existing doors, windows, ventilators, frames, shutters and other serviceable building materials, stacking reusable materials at site as directed, removing unserviceable material and making good damages complete in all respects as directed by the Engineer Incharge							
	Roof of Building	36	45	0.5	810			
	Windows		4	6	168			
					978	LumSum		
3	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							
	Rooms	14	12	0.25	168			
	Hall	28	10	0.25	70			
	Store	10	8	0.25	20			
	Wahroom	6.5	6.5	0.25	10.6			
					268.6	Sft		
4	PCC							
	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.							
	Room	14	12	0.33	224.0			
	Hall	28	10	0.33	93.3			
	Store	10	8	0.33	26.7			
	Washroom	6.5	6.5	0.33	14.1			
					358.1	Cft		
5	Brick Masonary							
	Providing and laying first class solid burnt brick masonry (Brick Strength:1800psi-2000psi) including scaffolding, raking out joints and curing in foundation and substructure/Basement i/c cost of testing							
	Room	52	0.75	5.00	780.0			
	Hall	76	0.75	5.00	285.0			
	Store	44	0.75	5.00	165.0			
	Washroom	26	0.75	5.00	97.5			
	Boundary Wall	200	0.75	5.00	750.0			
					2077.5	Cft		
6	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.							
	Room	14	12	8.00	1664			
	Hall	28	10	8.00	608			
	Store	10	8	8.00	288			
	Washroom	6.5	6.5	8.00	208			
	Total				2768	Sft		
	Deduction							
	Doors		4	7	112			
	Windows		4	6	168			
	Total				280			
	Sub Total				2488	Sft		
7	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.							
	Room	14	12		672			
	Hall	28	10		280			
	Store	10	8		80			
	Washroom	6.5	6.5		42			
					1074.25	Sft		
4	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	14	3		966			
	T iron	12	0.5		426			
					1392	kg		
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.							
	Room	14	12	0.50	336			
	Hall	28	10	0.50	140			
	Store	10	8	0.50	40			
	Washroom	6.5	6.5	0.50	21			
					537.125	Cft		
9	Door Frame Installation							
	Providing and fixing moulded steel door frame of approved profile, manufactured from zinc-coated mild steel sheets 16 gauge made by Shahah Industries or equivalent standard conforming to B.S.S.1245, treated with special primer base paint all round, fitted with six fixing lugs, three steel hinges for fixing door shutters standard lock-strike plate, one sliding holt eye, and three rubber buffers, including cutting holes and making good damages to walls and filling the door frame cavity with lean cement mortar 1:4 as directed by the Engineer Incharge.							
	Room	7	4		72			
					72	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							
	Room	7	4		112			
					112	Sft		
11	Windows Installation							
	Providing and fixing fully glazed fixed aluminium windows, ventilators (Deluxe model - 1.6mm) of anodized champagne or approved color of Alcop, Pakistan Cable or any approved section as approved by Engineer incharge including aluminium fittings, local tinted glass, lugs, cutting holes and making good the damages to walls.							
	Windows	6	4		168			
					168	Sft		
12	Iron Grills on Windows							
	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							
		6	4		168			
					168	Sft		
12	Tilling							
	Providing and laying 1/4" to 3/8" (6mm to 9mm) thick Glazed/ Matt tiles of any colour and size in ground floor laid over 1" (25mm) thick cement sand mortar base including jointing and washing the tiles with white cement slurry of matching color by using color pigment and curing.							
	Room	14	12	2.00	1088			
	Hall	28	10	2.00	432			
	Store	10	8	2.00	152			
	Washroom	6.5	6.5	2.00	94			
	Total				1766	Sft		
	Deduction							
	Doors	7	3		147			
	Windows	6	3		126			
	Total				273			
	Grand Total				1493.25	Sft		
13	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	14	12	4.00	1504			
	Hall	28	10	4.00	584			
	Store	10	8	4.00	224			
	Washroom	6.5	6.5	4.00	146			
					2458	Sft		
14	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.							
	Whole Building	40	38	12	1872			
	Boundary Wall				200			
					2072	Sft		
15	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							
					12	Point		
16	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							
					30	ft.		
17	Wash Basins							
	Providing and fixing approved quality fixtures Wash basin 24" (610 mm) ICL Futura make							
					1	No.		
18	Water Closet							
	Providing and fixing white English/Indian W.C with glazed earthen ware 4"(100mm) trap squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC downpipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.							
					1	Each		
19	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.							
					30	Rft		
20	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		
21	Washroom Assories set				1	each		
	Total							4,762,093

SUMMARY OF COST BHU AMEER BAKHSH MENGAL		
S.No	Descripton	Amount
1	Repaire and Rehabilitation od BHU Ameer Bakhsh Mengal	
	Total Amount	3255930

DETAILED ESTIMATE of BHU AMEER BAKHSH MENGAL

S.No	Description	No	L	B	D/H	Quantity	Unit	Rate	Amount
1	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/b)								
		4	12.00	14.00		672.00			
		1	28.00	10.00		280.00			
		1	10.00	8.00		80.00			
		2	6.50	6.50		84.50			
						1116.50	sft		
2	Providing and laying mixed cement concrete 1:4:8 bed under floor using single or bajri i/c curing etc. in bed								
	SI No. (14-1/b)								
		4	12.00	14.00	0.33	221.76			
		1	28.00	10.00	0.33	92.40			
		1	10.00	8.00	0.33	26.40			
		2	6.50	6.50	0.33	27.89			
						368.45	Cft		
3	Providing and laying 1:2:4 cement concrete floor using graded screened shingle/bajri 19 mm and down gauge in ground floor laid in panels (without glass strips) including formwork, consolidation, finishing and curing.								
	SI No. (14-2iii)								
		4	12.00	14.00		672.00			
		1	28.00	10.00		280.00			
		1	10.00	8.00		80.00			
		2	6.50	6.50		84.50			
						1116.50	Sft		
4	Providing and laying floor of flexible polyvinyl chloride (P.V.C) tiles of Decorarany approved make and shade in ground floor including fixing with approved adhesive, 1-1/2" (37mm) thick subbase of 1:2:4 cement concrete and its curing.								
	SI No. (14-33/b)								
		4	12.00	14.00		672.00			
		1	28.00	10.00		280.00			
						952.00	Sft		
5	Providing and fixing 3/8"(9mm) thick super white marble tiles dressed on the surface in dado/skirting and facing in ground floor over 1/2" (13mm) thick base of cement sand 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, curing, finishing, grinding, cleaning & polishing.								
	SI No. (14-54/a)								
		2	6.50	6.50		84.50	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.								
	SI No. (14-64/a)								
		2	2.00	6.50	7.00	182			
		2	2.00	6.50	7.00	182			
						364.00	Sft		

7	Earthfilling from any nearer source for embankment lead upto 1000 M and compaction by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering. Earthfilling will be in layers about 1 feet layer & will be compacted by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering.								
	S.I No 3-46-B-ii								
		1.00	2000.00	1.00	2.00	4000			
		1.00	100.00	100.00	4.00	40000			
						44000.00	Sft		
8	Providing and spreading murum (stone dust) of approved quality over stone metalling (water bound macadam) or brick ballast. Watering and consolidation with road roller including all lead and lift. (murum upto 25% of road metal) (including royalty of Quarry).								
	S.I No 21-13-1								
		1.00	2000.00	1.00	0.25	500.00	Sft		
9	Supply and Fixing of Concrete pavers on sand cushion of different designs having thickness of 60 mm, mechanically compressed, minimum strength of 4500 psi after laboratory testing at factory and random testing at site as and when desired by the Engineer incharge complete in all respects. (No PCC work is permitted underneath this item of work).								
	SI No.21-90-1								
		1.00	2000.00	1.00		2000.00	Sft		
10	Providing and fixing superior quality teak wood shutters partly paneled and partly glazed with required thickness of plain glass of approved quality, approved brass hinges, tower bolts, teak wood beading and putty packing to glasses as required.								
	SI No. (16-8/b)								
		5.00	7.00	3.50		122.50	Sft		
11	Providing and Fixing iron grill of required section of flat iron 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 etc								
	SI No. (28-30)								
	w	8	1	6	4	192			
	v	2	1	2	3	12			
						204.00	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.								
	SI No. (17-7)								
			8.00	6.00	4.000	192.000			
			2.00	2.00	2.000	8.000			
						200.00	Sft		
13	Providing and fixing hot dipped galvanized fully glazed (with 3 mm glass sheet) double leaf hung steel windows and ventilators with Z-section 32 mm (1.25") or as approved by Engineer in Charge with Z-section width 32 mm (1.25") at each edge including using approved brass sections oxidized fitting, iron lugs, cutting holes and making good the damages to walls.								
	SI No. (28-21)								
	w	2.000	6.000	1.000	4.000	48.000			
	v	2.000	2.000	1.000	1.600	6.400			
						54.40	Sft		

14	Supply and installation of Philips 25 Watt energy saver.								
	SI No. (30-117/c)	25.000				25.000	Point		
15	Wiring of light circuit length upto 25m (8.2 ft) from distribution board to point/ switchy with 2.5 sq.mm PVC insulated single core copper conductor cables including PVC conduit 20mm (0.75") dia and wiring accessories such as bends, elbow, junction boxes, 3.2mm 2 (14 SWG) ECC for large offices/ multi-storeyed buildings.								
	SI No. (30-1/a)	10.000				10.000	Points		
16	Wiring from point to switch and upto 10 m including any switch to switch wiring with 1.5 mm PVC insulated singel core.								
	SI No. (30 - 3)	20.000				20.000	Points		
17	Supply and installation of 1.42m (56") sweep ceiling fan								
	SI No. (30-87)	6.000				6.000	Points		
18	Providing and fixing export quality Indian type glazed earthen ware water closet manufacture by International Ceramics Limited (ICL) Boch/Karam Cera or approved equivalent make including cost of inlet pipe cisterns, lid cistern kit, stop cock deluxe and other accessories, fitting material such as brackets, PVC down pipe where required, rubber rings/washers, making requisite number of holes in walls, plinth								
	SI No. 23-2/a	2.000				2.000	Nos		
19	Providing and fixing chromium plated bib cock of superior quality of approved make..5" dia								
	SI No. 23-34/a	10.000				10.000	Nos		
20	Providing and fixing LDPE overhead tank 300 gallon capacity double ply, blue/white manufactured by Marjan, Master or equivalent on top of any floor								
	SI No. 27-44/a	1.000				1.000	No		
21	Providing U.P.V.C. blind pipe Class D manufactured by Shayl Pakistan Limited or equivalent at the site of work and stacking.4" dia pipe								
	SI No.27-48/d	1.000				150.000	RFT		
	Total								

SUMMARY OF COST BHU PEER BAKHSH MENGAL		
S.No	Descripton	Amount
1	Repaire and Rehabilitation od BHU Peer Bakhsh Mengal	
	Total Amount	2967562

DETAILED ESTIMATE of BHU AMEER BAKHSH MENGAL									
S.No	Descripton	No	L	B	D/H	Quantity	Unit	Rate	Amount
1	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/b)								
		4	12.00	14.00		672.00			
		1	28.00	10.00		280.00			
		1	10.00	8.00		80.00			
		2	6.50	6.50		84.50			
						1116.50	sft		
2	Providing and laying mixed cement concrete 1:4:8 bed under floor using single or bajri i/c curing etc. in bed								
	SI No. (14-1/b)								
		4	12.00	14.00	0.33	221.76			
		1	28.00	10.00	0.33	92.40			
		1	10.00	8.00	0.33	26.40			
		2	6.50	6.50	0.33	27.89			
						368.45	Cft		
3	Providing and laying 1:2:4 cement concrete floor using graded screened shingle/bajri 19 mm and down gauge in ground floor laid in panels (without glass strips) including formwork, consolidation, finishing and curing.								
	SI No. (14-2iii)								
		4	12.00	14.00		672.00			
		1	28.00	10.00		280.00			
		1	10.00	8.00		80.00			
		2	6.50	6.50		84.50			
						1116.50	Sft		
4	Providing and laying floor of flexible polyvinyl chloride (P.V.C) tiles of Decoraoranyapprovedmakeandshade ingroundfloor includingfixing withapprovedadhesive, 1-1/2" (37mm) thicksubbaseof 1:2:4cement concrete and its curing.								
	SI No. (14-33/b)								
		4	12.00	14.00		672.00			
		1	28.00	10.00		280.00			
						952.00	Sft		
5	Providing and fixing 3/8"(9mm) thick super white marble tiles dressedon the surface in dado/skirting and facing in ground floor over 1/2" (13mm) thick base of cement sandmortar 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, curing, finishing, grinding, cleaning & polishing.								
	SI No. (14-54/a)								
		2	6.50	6.50		84.50	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 mortar1:3, 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.								
	SI No. (14-64/a)								
		2	2.00	6.50	7.00	182			
		2	2.00	6.50	7.00	182			
						364.00	Sft		

7	Earthfilling from any nearer source for embankment lead upto 1000 M and compaction by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering. Earthfilling will be in layers about 1 feet layer & will be compacted by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering.								
	S.I No 3-46-B-ii								
		1.00	2000.00	1.00	2.00	4000			
		1.00	100.00	100.00	3.00	30000			
						34000.00	Sft		
8	Providing and spreading murum (stone dust) of approved quality over stone metalling (water bound macadam) or brick ballast. Watering and consolidation with road roller including all lead and lift. (murum upto 25% of road metal) (including royalty of Quarry).								
	S.I No 21-13-1								
		1.00	1000.00	1.00	0.25	250.00	Sft		
9	Supply and Fixing of Concrete pavers on sand cushion of different designs having thickness of 60 mm, mechanically compressed, minimum strength of 4500 psi after laboratory testing at factory and random testing at site as and when desired by the Engineer incharge complete in all respects. (No PCC work is permitted underneath this item of work).								
	SI No.21-90-1								
		1.00	1000.00	1.00		1000.00	Sft		
10	Providing and fixing superior quality teak wood shutters partly paneled and partly glazed with required thickness of plain glass of approved quality, approved brass hinges, tower bolts, teak wood beading and putty packing to glasses as required.								
	SI No. (16-8/b)								
		5.00	7.00	3.50		122.50	Sft		
11	Providing and Fixing iron grill of required section of flat iron 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 etc								
	SI No. (28-30)								
	W	12	1	2	5	120			
	V	2	1	2	3	12			
						132.00	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.								
	SI No. (17-7)								
			12.00	2.00	5.000	120.000			
			2.00	2.00	2.000	8.000			
						128.00	Sft		
13	Providing and fixing hot dipped galvanized fully glazed (with 3 mm glass sheet) double leaf hung steel windows and ventilators with Z-section 32 mm (1.25") or as approved by Engineer in Charge with Z-section width 32 mm (1.25") at each edge including using approved brass sections oxidized fitting, iron lugs, cutting holes and making good the damages to walls.								

	SI No. (28-21)								
	W	12.000	2.000	1.000	5.000	120.000			
	V	2.000	2.000	1.000	1.600	6.400			
						126.40	Sft		
14	Supply and installation of Philips 25 Watt energy saver.								
	SI No. (30-117/c)	25.000				25.000	Point		
15	Wiring of light circuit length upto 25m (8.2 ft) from distribution board to point/ switch with 2.5 sq.mm PVC insulated single core copper conductor cables including PVC conduit 20mm (0.75") dia and wiring accessories such as bends, elbow, junction boxes, 3.2mm 2 (14 SWG) ECC for large offices/ multi-storeyed buildings.								
	SI No. (30-1/a)								
		10.000				10.000	Points		
16	Wiring from point to switch and upto 10 m including any switch to switch wiring with 1.5 mm PVC insulated single core.								
	SI No. (30 - 3)								
		20.000				20.000	Points		
17	Supply and installation of 1.42m (56") sweep ceiling fan								
	SI No. (30-87)								
		6.000				6.000	Points		
18	Providing and fixing export quality Indian type glazed earthen ware water closet manufacture by International Ceramics Limited (ICL) Boch/Karam Cera or approved equivalent make including cost of inlet pipe cisterns, lid cistern kit, stop cock deluxe and other accessories, fitting material such as brackets, PVC down pipe where required, rubber rings/washers, making requisite number of holes in walls, plinth								
	SI No. 23-2/a								
		2.000				2.000	Nos		
19	Providing and fixing chromium plated bib cock of superior quality of approved make..5" dia								
	SI No. 23-34/a	10.000				10.000	Nos		
20	Providing and fixing LDPE overhead tank 300 gallon capacity double ply, blue/white manufactured by Marjan, Master or equivalent on top of any floor								
	SI No. 27-44/a								
		1.000				1.000	No		
21	Providing U.P.V.C. blind pipe Class D manufactured by Shayl Pakistan Limited or equivalent at the site of work and stacking.4" dia pipe								
	SI No.27-48/d								
		1.000				150.000	RFT		
	Total								

SUMMARY OF COST BHU Ranjhan Khan Hara		
S.No	Descripton	Amount
1	Repaire and Rehabilitation od BHU Ranjhan Khan Hara	
	Total Amount	3035815

DETAILED ESTIMATE of BHU Ranjhan Khan Hara

S.No	Description	No	L	B	D/H	Quantity	Unit	Rate	Amount
1	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/b)								
		4	12.00	14.00		672.00			
		1	28.00	10.00		280.00			
		1	10.00	8.00		80.00			
		2	6.50	6.50		84.50			
						1116.50	sft		
2	Providing and laying mixed cement concrete 1:4:8 bed under floor using single or bajri i/c curing etc. in bed								
	SI No. (14-1/b)								
		4	12.00	14.00	0.33	221.76			
		1	28.00	10.00	0.33	92.40			
		1	10.00	8.00	0.33	26.40			
		2	6.50	6.50	0.33	27.89			
						368.45	Cft		
3	Providing and laying 1:2:4 cement concrete floor using graded screened shingle/bajri 19 mm and down gauge in ground floor laid in panels (without glass strips) including formwork, consolidation, finishing and curing.								
	SI No. (14-2iii)								
		4	12.00	14.00		672.00			
		1	28.00	10.00		280.00			
		1	10.00	8.00		80.00			
		2	6.50	6.50		84.50			
						1116.50	Sft		
4	Providing and laying floor of flexible polyvinyl chloride (P.V.C) tiles of Decor or any approved make and shade in ground floor including fixing with approved adhesive, 1-1/2" (37mm) thick subbase of 1:2:4 cement concrete and its curing.								
	SI No. (14-33/b)								
		4	12.00	14.00		672.00			
		1	28.00	10.00		280.00			
						952.00	Sft		
5	Providing and fixing 3/8"(9mm) thick super white marble tiles dressed on the surface in dado/skirting and facing in ground floor over 1/2" (13mm) thick base of cement sand 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, curing, finishing, grinding, cleaning & polishing.								
	SI No. (14-54/a)								
		2	6.50	6.50		84.50	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.								
	SI No. (14-64/a)								
		2	2.00	6.50	7.00	182			
		2	2.00	6.50	7.00	182			
						364.00	Sft		

7	Earthfilling from any nearer source for embankment lead upto 1000 M and compaction by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering. Earthfilling will be in layers about 1 feet layer & will be compacted by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering.								
	S.I No 3-46-B-ii								
		1.00	2000.00	1.00	2.00	4000			
		1.00	100.00	100.00	4.00	40000			
						44000.00	Sft		
8	Providing and spreading murum (stone dust) of approved quality over stone metalling (water bound macadam) or brick ballast. Watering and consolidation with road roller including all lead and lift. (murum upto 25% of road metal) (including royalty of Quarry).								
	S.I No 21-13-1								
		1.00	10000.00	1.00	0.25	2500.00	Sft		
9	Supply and Fixing of Concrete pavers on sand cushion of different designs having thickness of 60 mm, mechanically compressed, minimum strength of 4500 psi after laboratory testing at factory and random testing at site as and when desired by the Engineer incharge complete in all respects. (No PCC work is permitted underneath this item of work).								
	SI No.21-90-1								
		1.00	10000.00	1.00		10000.00	Sft		
10	Providing and fixing superior quality teak wood shutters partly paneled and partly glazed with required thickness of plain glass of approved quality, approved brass hinges, tower bolts, teak wood beading and putty packing to glasses as required.								
	SI No. (16-8/b)								
		5.00	7.00	3.50		122.50	Sft		
11	Providing and Fixing iron grill of required section of flat iron 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 etc								
	SI No. (28-30)								
	W	8	1	6	4	192			
	V	2	1	2	3	12			
						204.00	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.								
	SI No. (17-7)								
			8.00	6.00	4.000	192.000			
			2.00	2.00	2.000	8.000			
						200.00	Sft		

13	Providing and fixing hot dipped galvanized fully glazed (with 3 mm glass sheet) double leaf hung steel windows and ventilators with Z-section 32 mm (1.25") or as approved by Engineer in Charge with Z-section width 32 mm (1.25") at each edge including using approved brass sections oxidized fitting, iron lugs, cutting holes and making good the damages to walls.								
	SI No. (28-21)								
	W	2.000	6.000	1.000	4.000	48.000			
	V	2.000	2.000	1.000	1.600	6.400			
						54.40	Sft		
14	Supply and installation of Philips 25 Watt energy saver.								
	SI No. (30-117/c)	25.000				25.000	Point		
15	Wiring of light circuit length upto 25m (8.2 ft) from distribution board to point/ switch with 2.5 sq.mm PVC insulated single core copper conductor cables including PVC conduit 20mm (0.75") dia and wiring accessories such as bends, elbow, junction boxes, 3.2mm 2 (14 SWG) ECC for large offices/ multi-storeyed buildings.								
	SI No. (30-1/a)								
		10.000				10.000	Points		
16	Wiring from point to switch and upto 10 m including any switch to switch wiring with 1.5 mm PVC insulated single core.								
	SI No. (30 - 3)								
		20.000				20.000	Points		
17	Supply and installation of 1.42m (56") sweep ceiling fan								
	SI No. (30-87)								
		6.000				6.000	Points		
18	Providing and fixing export quality Indian type glazed earthen ware water closet manufacture by International Ceramics Limited (ICL) Boch/Karam Cera or approved equivalent make including cost of inlet pipe cisterns, lid cistern kit, stop cock deluxe and other accessories, fitting material such as brackets, PVC down pipe where required, rubber rings/washers, making requisite number of holes in walls, plinth								
	SI No. 23-2/a								
		2.000				2.000	Nos		
19	Providing and fixing chromium plated bib cock of superior quality of approved make..5" dia								
	SI No. 23-34/a	10.000				10.000	Nos		
20	Providing and fixing LDPE overhead tank 300 gallon capacity double ply, blue/white manufactured by Marjan, Master or equivalent on top of any floor								
	SI No. 27-44/a								
		1.000				1.000	No		
21	Providing U.P.V.C. blind pipe Class D manufactured by Shayl Pakistan Limited or equivalent at the site of work and stacking.4" dia pipe								
	SI No.27-48/d								
		1.000				150.000	RFT		
	Total								

SUMMARY OF COST BHU SHAKAR KHAN		
S.No	Descripton	Amount
1	Repaire and Rehabilitation od BHU Shakar Khan	
	Total Amount	3746967

DETAILED ESTIMATE of BHU Shakar Khan

S.No	Description	No	L	B	D/H	Quantity	Unit	Rate	Amount
1	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/b)								
		4	12.00	14.00		672.00			
		1	30.00	10.00		300.00			
		1	10.00	8.00		80.00			
		2	6.50	6.50		84.50			
						1136.50	sft		
2	Providing and laying mixed cement concrete 1:4:8 bed under floor using single or bajri i/c curing etc. in bed floor.								
	SI No. (14-1/b)								
		4	12.00	14.00	0.33	221.76			
		1	30.00	10.00	0.33	99.00			
		1	10.00	8.00	0.33	26.40			
		2	6.50	6.50	0.33	27.89			
						375.05	Cft		
3	Providing and laying 1:2:4 cement concrete floor using graded screened shingle/bajri 19 mm and down gauge in ground floor laid in panels (without glass strips) including formwork, consolidation, finishing and curing.								
	SI No. (14-2iii)								
		4	12.00	14.00		672.00			
		1	48.00	10.00		480.00			
		1	10.00	8.00		80.00			
		2	6.50	6.50		84.50			
						1316.50	Sft		
4	Providing and laying floor of flexible polyvinyl chloride (P.V.C) tiles of Decor or any approved make and shade in ground floor including fixing with approved adhesive, 1-1/2" (37mm) thick subbase of 1:2:4 cement concrete and its curing.								
	SI No. (14-33/b)								
		4	12.00	14.00		672.00			
		1	48.00	10.00		480.00			
						1152.00	Sft		
5	Providing and fixing 3/8" (9mm) thick super white marble tiles dressed on the surface in dado/skirting and facing in ground floor over 1/2" (13mm) thick base of cement sand 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, curing, finishing, grinding, cleaning & polishing.								
	SI No. (14-54/a)								
		2	6.50	6.50		84.50	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.								
	SI No. (14-64/a)								
		2	2.00	6.50	7.00	182.00			
		2	2.00	6.50	7.00	182.00			
						364.00	Sft		

7	Earthfilling from any nearer source for embankment lead upto 1000 M and compaction by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering. Earthfilling will be in layers about 1 feet layer & will be compacted by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering.								
	S.I No 3-46-B-ii								
		1.00	2000.00	1.00	2.00	4000.00			
		1.00	100.00	100.00	2.00	20000.00			
						24000.00	Sft		
8	Providing and spreading murum (stone dust) of approved quality over stone metalling (water bound macadam) or brick ballast. Watering and consolidation with road roller including all lead and lift. (murum upto 25% of road metal) (including royalty of Quarry).								
	S.I No 21-13-1								
		1.00	2000.00	1.00	0.25	500.00	Sft		
9	Supply and Fixing of Concrete pavers on sand cushion of different designs having thickness of 60 mm, mechanically compressed, minimum strength of 4500 psi after laboratory testing at factory and random testing at site as and when desired by the Engineer in charge complete in all respects. (No PCC work is permitted underneath this item of work).								
	SI No.21-90-1								
		1.00	2000.00	1.00		2000.00	Sft		
10	Providing and fixing superior quality teak wood shutters partly paneled and partly glazed with required thickness of plain glass of approved quality, approved brass hinges, tower bolts, teak wood beading and putty packing to glasses as required.								
	SI No. (16-8/b)								
		7.00	3.50	7.00		171.50			
		1.00	5.00	7.00		35.00			
						206.50	Sft		
11	Providing and Fixing iron grill of required section of flat iron 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 etc								
	SI No. (28-30)								
	w	8	1	6	4	192			
	v	2	1	2	3	12			
						204.00	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.								
	SI No. (17-7)								
			8.00	6.00	4.000	192.000			
			2.00	2.00	2.000	8.000			
						200.00	Sft		
13	Providing and fixing hot dipped galvanized fully glazed (with 3 mm glass sheet) double leaf hung steel windows and ventilators with Z-section 32 mm (1.25") or as approved by Engineer in Charge with Z-section width 32 mm (1.25") at each edge including using approved brass sections oxidized fitting, iron lugs, cutting holes and making good the damages to walls.								
	SI No. (28-21)								
	w	2.000	6.000	1.000	4.000	48.000			
	v	2.000	2.000	1.000	1.600	6.400			

						54.40	Sft		
14	Supply and installation of Philips 25 Watt energy saver.								
	SI No. (30-117/c)	25.000				25.000	Point		
15	Wiring of light circuit length upto 25m (8.2 ft) from distribution board to point/ switchy with 2.5 sq.mm PVC insulated single core copper conductor cables including PVC conduit 20mm (0.75") dia and wiring accessories such as bends, elbow, junction boxes, 3.2mm 2 (14 SWG) ECC for large offices/ multi-storeyed buildings.								
	SI No. (30-1/a)	10.000				10.000	Points		
16	Wiring from point to switch and upto 10 m including any switch to switch wiring with 1.5 mm PVC insulated singel core.								
	SI No. (30 - 3)	20.000				20.000	Points		
17	Supply and installation of 1.42m (56") sweep ceiling fan								
	SI No. (30-87)	6.000				6.000	Points		
18	Providing and fixing export quality Indian type glazed earthen ware water closet manufacture by International Ceramics Limited (ICL) Boch/Karam Cera or approved equivalent make including cost of inlet pipe cisterns, lid cistern kit, stop cock deluxe and other accessories, fitting material such as brackets, PVC down pipe where required, rubber rings/washers, making requisite number of holes in walls, plinth								
	SI No. 23-2/a	2.000				2.000	Nos		
19	Providing and fixing chromium plated bib cock of superior quality of approved make..5" dia								
	SI No. 23-34/a	10.000				10.000	Nos		
20	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.								
	SI No.28-18-1	1.000	12.000	10.000		120.000	Sft		
21	Providing and fixing LDPE overhead tank 300 gallon capacity double ply, blue/white manufactured by Marjan, Master or equivalent on top of any floor								
	SI No. 27-44/a	1.000				1.000	No		
22	Providing U.P.V.C. blind pipe Class D manufactured by Shayl Pakistan Limited or equivalent at the site of work and stacking.4" dia pipe								
	SI No.27-48/d	1.000				150.000	RFT		
23	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								
	SI No.17-67/a								

		4	12.00	14.00	10.00	1192.000			
		1	30.00	10.00	10.00	1100.000			
		1	10.00	8.00	10.00	440.000			
		2	6.50	6.500	10.00	344.500			
						3076.50	Sft		
24	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.								
	SI No.17-61/c								
		1	40	50	12	24000.00	Sft		
	Total								

GENERAL ABSTRACT OF COST		
REPAIR AND REHABILITATION OF BHU Adil Khan Bugti		
Sr. NO	DESCRIPTION OF WORK	ESTIMATED COST
1.00	GROUND FLOOR WORKS	
	i. CIVIL WORKS	
	ii. ELECTRIC WORKS	
	iii. PLUMBING WORKS	
2.00	SEWERAGE WORKS	
	i. CIVIL WORKS	
	TOTAL COST	3926497.19

REPAIR AND REHABILITATION OF BHU Adil Khan Bugti.					
S. No	Description	QTY	UNIT	RATE	AMOUNT
1	Providing and laying 1:2:4 P.C.C roof screeding using crushed stone 3/4", (19mm) including formwork, consolidation,				
	(S.I.No. 14-68/c)				
	TOTAL QUANTITY	2020	P. SFT		
2	Providing and fixing iron grills and Doors with square bars of 3/8" size as per approved Sq.m 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, with installation of Mirrors.				
	(S.I.No. 28-28)				
	GROUND FLOOR				
	TOTAL QUANTITY	274	P. SFT		
3	Providing and fixing Gypsum Board false ceiling of approved size and shape changed by approved suspension system, including provision of extra framing for lights fittings, A/C diffusers				
	(S.I No. 15-59/a)				
	GROUND FLOOR				
	TOTAL QUANTITY	1520.00	P. SFT		
4	Providing and fixing PVC wall Panelling 9" wide and 10 ft long including all accessories of approved design in any color, shade and pattern in ground floor.				
	(S.I No. 15-61)				
	GROUND FLOOR				
	TOTAL QUANTITY	1610.00	P. SFT		
5	3/4 inch (19mm) thick cement plaster using Coarse Sand on walls and columns in basement, plinth and ground floor including making edges, corners and curing. 19 mm thick cement plaster with 1:4 mortar etc				
	(S.I No. 15-4/iii)				
	GROUND FLOOR				
	TOTAL QUANTITY	150.00	LumSum		
6	Earthfilling from any nearer source for embankment lead upto 1000 M and compaction by mechanical means at optimum moisture content (95% maximum modified AASHTO dry density), dressing to designed section including laying, leveling and watering.				
		3750.00	Sqft		

7	Supply and Fixing of Concrete pavers on sand cushion of different designs having thickness of 60 mm, mechanically compressed, minimum strength of 4500 psi after laboratory testing at factory and random testing at site as and when desired by the Engineer in charge complete in all respects. (No PCC work is permitted underneath this item of work)				
	SI.NO(21-91/b)	750.00	Sqft		
8	Painting with ICI/Berger or equivalent plastic emulsion paint of approved shade in two or more coats as per manufacturer's instructions on plastered rendered and/or concrete surface over and including the cost of priming coat, surface preparation, dusting, rubbing down smooth, filling cracks, holes removing blisters and other blisters and other imperfections in ground floor or basement. (@ atleast 1.65 Litre per 10 Sq.m) (External walls With Weather Shield)				
	(S.I No. 17-67/1)				
	GROUND FLOOR				
	TOTAL QUANTITY	8957.00	P. SFT		
9	Painting with ICI/Berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer's instructions on wood work. etc				
	(S.I No. 13-2/a)				
	GROUND FLOOR				
	TOTAL QUANTITY	274.00	P. SFT		
10	Providing and fixing 1/4" to 3/8" (6mm to 9mm) thick Ceramic Glazed / Matt / Porcelain 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. 14-74/a)				
	TOTAL QUANTITY	3535.00	P. SFT		
11	Repair and maintenance of existing M.S. main gate including adjustment of shutters, welding of minor cracks, tightening of loose joints, replacement of defective hinges, tower bolts, handles, locking arrangement and other necessary hardware where required, surface preparation by removing rust with wire brush, applying one coat of red oxide primer and two coats of synthetic enamel paint, complete in all respects as directed by the Engineer in charge.				
		2.00	Nos		
TOTAL =					

ELECTRICAL WORKS					
S. No	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
1.0	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. I/C wiring with 3/4" (20 mm) dia. PVC conduit and accessories such as bends, elbows, junction boxes etc. (30-2)				
	GROUND FLOOR				
TOTAL QUANTITY		6	No's		
2.0	Concealed 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. wiring with 3/4" (20 mm) dia. I/C PVC conduit and accessories such as bends, elbows, junction boxes etc. (30-3)				
	GROUND FLOOR				
TOTAL QUANTITY		6	No's		
3.0	8 Supply and install 15 Amp, triple pole, 415 volts metal clad load breaker switch on surface of walls (30-56)				
	GROUND FLOOR				
TOTAL QUANTITY		2	No's		
4.0	Supply and install 56" (1.42 m) sweep ceiling fan with fan hook and dimmer complete with all accessories. (30-87)				
TOTAL QUANTITY		15	Each		
5.0	Supply and installation of Energy Savors & electric bulbs (30-117-c)				
	GROUND FLOOR				
TOTAL QUANTITY		18	Each		
6	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. (30-17)				
	GROUND FLOOR				
TOTAL QUANTITY		12	Each		
7	Supply and install distribution board, 18 SWG steel sheet 18"x24" enclosure, suitable for recess mounting, comprising one incoming MCCB-TP/100A, Outgoing 9 single phase MCB of various capacity with internal wiring earthing, neutral link etc. (30-115)				
	GROUND FLOOR				
TOTAL QUANTITY		2	Each		
8	Supply and install 1-gang, 5 Amp, 250 Volt,, plate type moulded switch including appropriate size plastic box to be fixed recessed in wall. (30-11)				
	GROUND FLOOR				
TOTAL QUANTITY		6	Each		
TOTAL =					

PLUMBING WORKS					
S. No	DESCRIPTION OF WORK	QTY	UNIT	RATE	AMOUNT
1	Providing and fixing squatting type water closet with integral treads ICL Boch/Karam Cera or approved equivalent make including cost of inlet pipe cistern and lid cistern kit, stop cock deluxe type and other accessories, fittings, brackets, PVC down pipe, rubber rings/washers, making requisite number of holes in walls, plinth and floor for pipe connection and making good with approved material.				
	(S.I. No: 23-2/ai)				
	GROUND FLOOR				
TOTAL QUANTITY		2	No's		
2	Providing and fixing 'P' trap including concrete chamber and C.I. grating				
	(S.I. No: 23-42/a)				
	GROUND FLOOR				
TOTAL QUANTITY		2	No's		
3	Providing and fixing export quality glazed earthen ware wash basin manufactured by ICL Boch/Karam Cera or equivalent approved make with single hole chromium plated mixer tap 1/2" (15mm), pillar tap deluxe, stop cocks, C.I. or W.I. brackets 6" (150mm) built into walls 1.5" (40mm) C.P. brass waste with malleable iron or C.P. brass trap with malleable iron or brass union and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material.				
	(S.I. No: 23-5/ai)				
	GROUND FLOOR				
TOTAL QUANTITY		2	No's		
4	Providing and fixing superior quality C.P. bib cock of approved make				
	GROUND FLOOR				
TOTAL QUANTITY		4	No's		
5	Providing, laying, cutting, jointing, testing and disinfecting G.I. pipe ILL make or equivalent gas line including the cost of jointing material with 500 Gallon Water fabric Tank.				
	GROUND FLOOR				
TOTAL QUANTITY		250	P. RFTs		
6	Supply and install Electric motors with pump, including all accessories				
	GROUND FLOOR				
TOTAL QUANTITY		1	No's		
7	Providing and fixing LDPE overhead tank manufactured by Dura or equivalent on top of any floor 500 gallons capacity				
	GROUND FLOOR				
TOTAL QUANTITY		1	No's		
TOTAL =					

SEWERAGE WORK					
S. No	Description	QTY	UNIT	RATE	AMOUNT
1	Excavation of foundation of building bridges, including layout ,dressing,refilling around structure with excavated earth ,watering ,ramming ,lead up to 100 ft .(30 m) & lift upto 5 ft.(1.5m).				
	(S.I No. 3-21/aiii)				
	TOTAL QUANTITY	576	p. CFT		
2	Providing and laying cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) & down gauge in foundation including leveling, compacting and curing.				
	(S.I No. 5- 8/e)				
	TOTAL QUANTITY	12	p. CFT		
3	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/a)				
	TOTAL QUANTITY	36	p. CFT		
4	Providing and laying first class solid burnt brick masonry (Brick Strength:1800psi2000psi) including scaffolding, raking out joints and curing in foundation and substructure/Basement i/c cost of testing				
	(S.I. No: 11-3/biii)				
	TOTAL QUANTITY	49.69	p. 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				
	(S.I. No: 5-22/c)				
	TOTAL QUANTITY	27.63	p. CFT		
6	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: 5-43/a)				
	TOTAL QUANTITY	0.08 ton	LBS		
7	Providing and laying terrazzo/mosaic floor in ground floor over 1" (25mm) thick base of 1:2:4 cement concrete using crushed aggregate 3/4" (19mm) and down grade laid in panels or approved pattern including formwork, curing, cutting, removing and polishing.				
	(S.I. No: 14-4/a)				
	TOTAL QUANTITY	38.06	p. SFT		
8	Providing damp proof course on vertical surface with 3/4" (19 mm) thick cement plaster 1:3 mixed with any approved water proofing agent including curing and providing a layer of polythene sheet 0.13mm thick (500 gauge), but excluding the cost of water proofing agent				
	(S.I. No: 8-8)				
	TOTAL QUANTITY	132.5	p. SFT		
9	Providing and fixing P.V.C. ribbed water stop in vertical or horizontal expansion joints including cutting or jointing				
	(S.I. No: 5-38/b)				
	TOTAL QUANTITY	20	p. RFT		
10	Providing and fixing steel grated single leaf door with locking arrangement, angle iron 2" x 2" x 3/8" frame, middle strip, 1/4" thick gusset plate 3" x 3" at each edge and 3/4" M.S square or round bars at 4" c/c including two coats of red oxide paint.				
	(S.I. No: 28-47/a)				
	TOTAL QUANTITY	4	p. SFT		
TOTAL					