



The Head Office,
People's Primary Healthcare Initiative,
Balochistan.

Admin Section

Reference No. PPHI-B/H.O

BLN/2023/09/CW/SOLAR/001

Dated: _____

Technical Proposal

People's Primary Healthcare Initiative (PPHI) - Balochistan

**Bidding Document for Construction and Renovation Works and
Solarization in Basic Health Unit Shay Salar of District Chagai &
Urgus of District Killa Saifullah, Balochistan**

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

Address: Peoples 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 under the Peoples Primary Healthcare Initiative (PPHI-Balochistan) procurement rules, by the PPHI-B from Eligible Individuals/Firms/Constructors having expertise in Civil Works & Solarization and Registered under Pakistan Engineering Council (PEC) under relevant codes:

REQUIRED BIDDING INFORMATION	TO BE FILLED BY THE PEOPLES PRIMARY HEALTHCARE INITIATIVE (PPHI-B)
DESIGNATION OF PROCUREMENT OFFICER	MANAGER ADMIN
POSTAL ADDRESS OF THE PEOPLES PRIMARY HEALTH CARE INITIATIVE (PPHI-B)	PEOPLES PRIMARY HEALTHCARE INITIATIVE (PPHI-B) SAMUNGLI ROAD, QUETTA-PAKISTAN
PHONE NUMBER & FAX NUMBER	081-2863620 & 081-2863623
E-MAIL PPHIBLN@GMAIL.COM ADDRESS & WEBSITE	https://www.pphib.org/
METHOD OF PROCUREMENT	SINGLE STAGE - TWO ENVELOPE BIDDING PROCEDURE
ISSUANCE OF BIDDING DOCUMENTS	The tender documents can be downloaded from the PPHI-B website: http://pphib.org/
DEADLINE FOR SUBMISSION OF BIDS	Date: 29 Sept 2023 & Time 11:30 PM directly submitted to the Head Office, PPHI-Balochistan.
OPENING OF TECHNICAL BIDS	Date: 02 Oct 2023 & Time 12:00 PM at the Head Office of PPHI-Balochistan.
OPENING OF FINANCIAL BIDS	Date: 03 Oct 2023 & Time 03:00 PM at the Head Office of PPHI-Balochistan.
BIDDING DOCUMENT FEE	AMOUNT: PKR. 2,000/- PAY ORDER IN THE NAME OF PPHI Balochistan WITH TECHNICAL BID IN SEPARATE ENVELOPE
BID SECURITY/EARNEST MONEY	AMOUNT: 2 % OF THE QUOTED AMOUNT MANNER OF PAYMENT: <u>CALL DEPOSIT/ PAY ORDER</u> IN FAVOR OF PPHI-B BALOCHISTAN, WITH FINANCIAL BID

ELIGIBILITY CRITERIA FOR BIDDERS:

S. No.	Bidders Eligibility Factor	Mandatory Requirement	Document Required
1	Registration with Income Tax and BRA	NTN/STRN Certificate AND must be on Active Tax Payer list and has active registration with BRA	Copy of <u>NTN/STRN</u> AND duly verifiable <u>Active Tax Payer Certificate</u> from FBR website & BRA
2	Registration with Pakistan Engineering Council	Valid PEC Certificate	Copy of Valid PEC with relevant Civil Codes should be attached
3	Relevant Experience	For Experienced (Old Firms): 03 successfully completed comparable & similar assignments of Civil work & Solarization	Copy/ies of <u>Work Order</u> /s with relevant completion certificate/s
		For In-experienced (New Firms): MoU / JV or Agreement with a Firm fulfilling the above-mentioned criteria	Signed & stamped copy of <u>Agreement</u> in addition to <u>Supply orders</u> of the experienced Firm
4	Financial Capacity (For Firms)	Turn Over of PKR. 7.5 Million for the past 3 years (For Firms)	Audited <u>Final Accounts</u> OR Annual Tax Return Only
5	Non-Blacklisting	Must not be presently black-listed by any Government Organization	Declaration of Non-blacklisting on <u>Non-Judicial Stamp</u> paper by the Bidder/Individual
6	Local presence (For Firms)	The Bidder must have functional corporate/support office at Provincial level	Copy of <u>Tenancy agreement</u> or <u>ownership documents</u> of the office premises AND Copy of recently paid <u>utility Bill</u> (maximum 3 months old)
7	Technical HR	Technical HR (Engineers) with previous experience of similar assignments as required by the Peoples Primary Health Care Initiative (PPHI-B) in the Data-sheet	<u>Detailed CVs of the HR/Individual along with PEC registration</u>
8	Delivery time compliance	Must agree to serve the Contract within agreed time i.e., 45 days period after award of contract	Completion time must be <u>clearly specified</u> in the Technical Bid
9	Agreement with all the terms & conditions	Must unconditionally agree with all the instructions, terms & conditions specified in the bidding documents & contract agreement	<u>Signature & company seal</u> on <u>every page</u> of the bidding document.
10	Submission of Bidding Document Fee	As required by the Peoples Primary Healthcare Initiative (PPHI-B) in the Tender Notice	AMOUNT: PKR. 2,000/- Tender Fee in separate envelope AMOUNT: 2 % Security Fee

NOTE: It is mandatory for the bidders to meet all the above-mentioned requirements of eligibility. In-case of not meeting any single requirement, the Bid shall be declared NON-RESPONSIVE

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. / BRA Registration No. _____

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

12. Total Completion Time _____ (In Days, Months please specify)

DATA-SHEET OF THE ASSIGNMENT / SCOPE OF WORK

The objective of the below given Data-Sheet / Schedule of Requirements is to provide sufficient information to bidders to understand complete scope of this procurement such that no requirement of the Peoples Primary Healthcare Initiative (PPHI-B) is left un-mentioned here under.

S#	District	Name of BHUs	Nature of Work
1	CHAGAI	Shay Salar	Construction and Renovation works and Solarization in Basic Health Unit
2	Killa Saif Ullah	Urgus	Construction and Renovation works and Solarization in Basic Health Unit

Note: All Contractors are advised to visit the site before quoting rates in BOQs of Tender Documents

Delivery Schedule & Requirements:

Place of Execution of Works is: Basic Health Unit of Districts Chagai and Kila Saifulah as per the above list of BHUs.

INSTRUCTIONS FOR PREPARING TECHNICAL BID

These Instructions are being given for strict compliance by the Bidders. **Failure to fulfill any instruction given here-under may result in dis-qualification of the Bid/s.**

Proposals shall be prepared on following lines: -

1. Sealed Envelope containing the Technical Proposal should clearly state:
 - a. **"Name of Bidder"**
 - b. **"Name of Tender"**
 - c. **"TECHNICAL PROPOSAL"**
2. The portion of Technical Proposal of this bidding document duly filled, supported with Bidder's covering Letter and the technical Bid on Bidders Letter Head be attached as the Technical Proposal.
3. Technical Proposal shall be prepared keeping in view the specifications provided in the Data Sheet and the schedule of requirements or otherwise as placed demand further during the bidding process.
4. Following information should be attached/contained in the Technical Proposal: -
 - a. Receipt of payment of **bidding Document Fee** May be in terms of **Pay Order in favor of PPHI BALOCHISTAN**
 - b. **Completion time**, which means; actual execution time for the titled Work.
 - c. Documentary **evidence of fulfillment of eligibility criteria** for Bidders as required by the Peoples Primary Healthcare Initiative, Balochistan. (PPHI-B).
 - d. Documentary evidence of **fulfillment of complete schedule of requirements as per evaluation criteria** including technical, administrative and service requirements of the Peoples Primary Healthcare Initiative, Balochistan (PPHI-B)
 - e. **Description of status** as Partnership / authorization from the Firm / authorized importer / distributor / manufacturer / retailer etc. (as the case may be) as required by the Peoples Primary Healthcare Initiative, Balochistan (PPHI-B) in the schedule of requirements.
 - f. **Defect Liability Period:** details. (As applicable) as required by the Peoples Primary Healthcare Initiative, Balochistan (PPHI-B) in the schedule of requirements as mentioned.
 - g. Every page of the **Bid must be numbered, signed & stamped** by the authorized representative.
5. Attachment of any document not demanded by the Peoples Primary Healthcare Initiative (PPHI-B) at instruction 4 of "Instruction for preparation of Technical Bid" is strictly prohibited.

Evaluation Criteria: Selection of the successful bidder shall be based on the **Single Stage-Two Envelop Method**

The procedure shall be applied as follows: -

1. **Bidders Eligibility Assessment.** Initial evaluation of the technical proposals shall be carried-out by the **PROCUREMENT COMMITTEE**, as per the requirements of the eligibility criteria laid down under the heading of “Letter of Invitation for Bids – Eligibility Criteria for Bidders” in the following manner:

Bidders Eligibility Factor	Requirement	Bidder 1	Bidder 2	Bidder 3
		YES / NO	YES / NO	YES / NO
Registration with Income Tax (For Firms),BRA (if applicable)	Copy of NTN attached? BRA Certificate Copy? Active Tax Payer?			
Registration with PEC	Copy of Valid PEC Certificate at time of Technical Bid, with Relevant code			
Relevant Experience	For Self-experienced / Old Firms/Individuals: 03 No. of Work Orders with relevant completion certificate of successfully completed similar assignments attached?			
	For In-experienced / New Firms/Individuals: Signed & stamped copy of MoU / JV or Agreement of support, with a Firm fulfilling the above-mentioned criteria duly attested by Notary Public attached?			
Financial Capacity (For Firms)	Annual Audit Financial Statement OR Annual Tax Returns to Clarify the Minimum turnover of PKR. 7.5 million for the past 3 years attached?			
Agreement with all the terms & conditions	Signature & company seal at every page of bidding document affixed?			
Delivery time	Is the quoted completion time within the stipulated time period?			
Technical HR	Detailed CVs of the HR/Individual along with PEC registration?			

- i. Firm must score “YES” in all requirements of the eligibility criteria to be categorized as Eligible. “NO” to any requirement of the eligibility criteria, by any bidder shall render the Firm as Ineligible.
 - ii. Subsequent upon said assessment, Bidders shall be categorized as:
 1. Eligible Bidders
 2. Ineligible Bidders
2. **Return of Financial Proposals from Ineligible Bidders.** Proposals from Ineligible Bidders shall be declared “Non-Responsive”, consequently shall **NOT** be accepted for any further evaluation:
 - i. Their Financial Proposals shall be returned without being opened.
 - ii. Their Bid security shall be released upon their written request.
3. **Component-wise Evaluation.** The Bids received from Eligible Bidders shall then be evaluated by the **TECHNICAL MEMBER / COMMITTEE OR THE PROCUREMENT COMMITTEE ITSELF** (If the required items are not technically complex) for conformance with the required technical qualification (which includes specification, schedule of requirements and all other administrative and legal requirements as stated in the Data-Sheet) on the basis of given criteria, in the following manner:

Evaluation Criteria for The “Construction and Renovation Works and Solarization ”				
S. #	Description	Marks Assigned	Marks Obtained	Weightage Rules & Formulas
(I) General Experience				
a)	Projects of similar nature and complexity Completed in last 3 years.	20		<ul style="list-style-type: none"> 20 marks are given if the contractor who has completed at least 4 projects of similar nature in last 03 years. The 05 marks will allocate to each similar nature project if the work order inspection report and completion report revised of the same project.
b)	Completion Certificates & Work Satisfactory Certificates	10		<ul style="list-style-type: none"> 2.5 Marks for Each Certificate of the relevant work order as mentioned in point (a) (attach certificates)

Total Marks Assigned & Obtained for General Experience		30		
(II) Personnel Capabilities				
a)	B. Sc Engineers registered with Pakistan Engineering Council (PEC)	9		<ul style="list-style-type: none"> • Experience (9-Marks) • 03 marks for each employee of B.SC Eng. and Have minimum 15 years of experience up to the 03 BSC eng.
b)	Associate Engineers (DAE)	6		<p><u>Experience (6-Marks)</u></p> <p>∴</p> <p>03 of minimum marks for each employee on having experience of associate, egg having 07 years of experience up to maximum 02 DAE Egg.</p>
Total Marks Assigned & Obtained for Personnel Capabilities		15		

(III) Financial Soundness & Certificates				
a)	Turnover Verifiable from Audited Financial Statements & Annual Tax returns	15		<ul style="list-style-type: none"> • 05 Marks will be given if the turnover is equal to 7.5 to 08 million. • 10 Marks will be given if the turnover is equal to 10 to 15 million. • 15 Marks will be given if the turnover is equal to 15 million or Above.
b)	Litigation History in which Decision has been given against the firm(s)	5		<ul style="list-style-type: none"> • In case the firm is involved in any litigation, no marks will be given and 5 points will be added in case affidavit of no litigation is attached
c)	Blacklisting from any agency.	5		<ul style="list-style-type: none"> • In case the firm is blacklisted, no Marks will be given and 5 points will be added in case affidavit by the company that it has not been black listed is attached.
Total Weightage Allocated & Obtained for Personal Capability		25		
Total Marks of (I) General Experience+(II) Personal Capabilities+(III) Financial Soundness and certification		70		

NOTE: It is mandatory for the bidders to meet all the requirements of eligibility. In-case of not meeting any single requirement, the Bid shall be declared NON-RESPONSIVE.

The eligible vendors with responsive BIDs shall be finally evaluated/scored by following mentioned criteria,

(A) Requirement compliance

(B) Technical Expertise and past experience

- i. Bids confirming to the required technical qualification score i-e 70% (after above three steps) will qualify for Financial Bid opening.

- ii. **The Contract will be awarded to the lowest Financial Bidder after Technical Qualification.**

4. **Return of Non-Responsive Proposals & preparation of Technical Evaluation Report.**

Technical Proposals not conforming to the required technical, administrative or legal requirements shall be declared as “Non-Responsive” and consequently shall **NOT** be accepted for any further evaluation:

- i. Their financial proposals shall be returned without being opened.
- ii. Their Bid security shall be released upon their written request.
- iii. Technical Evaluation Report shall be prepared duly signed by all the members of the Procurement Committee, giving **REASONS** for;
 - 1. Acceptance of the Eligible & Responsive Bid/s and.
 - 2. Rejection of the Ineligible &/OR Non-Responsive Bid/s.
- iv. Technical Evaluation concludes at this stage.

5. **Financial Evaluation.** Financial Proposals of the Responsive Technical Proposals shall be publicly opened in the next meeting as specified in this document under the heading of “Letter of Invitation for Bid” Financial Comparative Statement / Evaluation Report of the “Responsive Proposals” shall be prepared by the **PROCUREMENT COMMITTEE** in the following manner:

<u>FINANCIAL EVALUATION OF BIDS</u>							
Item/s Name / Model & description	Quantity	Responsive Bidder 1		Responsive Bidder 2		Responsive Bidder 3	
		Unit Price	Total Price	Unit Price	Total Price	Unit Price	Total Price
Service 1							
Service 2							
Service 3							

- i. Subsequently, the prepared Financial Evaluation Report shall duly be signed by all the members of the Procurement Committee.
- ii. Comparatives of Financial will be prepared and signed by the procurement Committee in detail
- iii. If there is any discrepancy between Unit rate and total rate, the unit rate will always govern
- iv. If there is any discrepancy in tender documents clause and Work Order Clause, the work order Clause will always govern.
- v. If there is any discrepancy between amount in words and amount in figures, the amount in words will always govern

6. **Recommendation of Procurement Committee**

After Technical Qualification, the contract will be awarded to the “Lowest Financially Evaluated bidder” with minimum quoted rates among all the Technical qualified Contractors.



Reference No. PPHI-B/H.O
BLN/2023/08/CW/SOLAR/001
Dated: _____

Financial Proposal

People's Primary Healthcare Initiative Balochistan

**Bidding Document for Construction and Renovation Works and
Solarization in Basic Health Unit Shay Salar of District Chagai &
Urgus of District Killa Saifullah, Balochistan**

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

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

Phone: 081-2863620
Website: www.pphib.org

1. Name of company: _____
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. / BRA Registration No. _____
11. BTSN No. _____
12. Bid Validity: _____ (Please specify in No. of Days)
13. Total Bid Value: _____ (In Pakistani Rupees)

INSTRUCTIONS FOR PREPARING FINANCIAL PROPOSAL

These Instructions are being given for strict compliance by the Bidders. **Failure to fulfill any instruction given here-under may result in disqualification of the Bid/s.**

Financial Proposals shall be prepared on following lines: -

1. Sealed Envelope containing the Financial Proposal should clearly state:
 - a. **"Name of Bidder"**
 - b. **"Name of Tender"**
 - c. **"Financial Proposal"**
2. The portion of Financial Proposal of this bidding document duly filled, supported with Bidder's covering Letter be attached as the Financial Proposal of the bidder
3. Following information should be attached/contained in the financial proposal: -
 - a. Original Bid Security (If required by the Peoples Primary Health Initiative (PPHI-B))
 - b. Taxes must be included along-with the price of each item
 - c. Financial Bid shall be prepared on the Bidders Letter Head in the following format:

A	B	C	D	E		F
S. No.	Item Name	Quantity	Unit Price	BRA Amount	BRA %age	Total Price (Including Taxes)
A	B	C	C x D			(C x D) + E = F
1						
2						
3						
4						
Total						

Note: Each Bidder must mention clearly the rate of BRA & GST applicable on each item of its Bid.

4. Offer must be quoted on TCA (Total Cost of Acquisition) basis at the risk & cost of the bidder. This means:
 - i. ALL costs (including duties, taxes & other Govt. payables) incurred up-to delivery at the designated location of the Peoples Primary Health Initiative (PPHI-B)
 - ii. Complete services as required in the schedule of requirements of this bidding document
 - iii. Cost including fixation, assembling, dismantling etc. (As & where applicable)
5. BST/GST Taxes must be included along-with the price of each item/components/service
6. 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
7. Every page of the Bid must be numbered, signed & stamped by the authorized representative.

TERMS AND CONDITIONS:

1. Completion time may be clearly specified. Where completion time shall mean; time consumed execution of required services to the designated location of Peoples Primary Health Initiative (PPHI-B), including but not limited to time required for development of Performa/forms and training (if needed) **(Complete delivery as per the schedule of requirements services detailed in the Data-Sheet)**
2. Maximum completion time for the assignment is **45 Days** from the date of work Order
3. Tenders must be quoted in Pakistani Rupees (PKR).
4. 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.
 - iv. All tax variations by the Tax Authorities will be borne by the vendor only, there will be no change in contract.
5. Validity of the bid would be at-least 45 days (to be specified by the Peoples Primary Health Initiative (PPHI-B)/ office) from the date of Tender opening
6. Financial Bids must be accompanied with Bid Security (for firms) in the form of Bank Guarantee or Deposit at Call from a scheduled bank @ 2% of quoted bid value favoring the PPHI Balochistan.
7. In case of late execution of required works, the bidder may be blacklisted and late delivery penalty (Liquidated Damages) shall be imposed at the rate of 0.05% per day(of the value of items delivered late) per day, up to a maximum of 10% of the Contract Value.
8. The services, as per the work Order, must be executed by the authorized HR (technical) at the time of execution of work at Peoples Primary Health Initiative (PPHI-B)/ designated Office.
9. Bid Security of successful bidder/s shall be released upon submission of Performance Security, Otherwise Bid Security/CDR may be retained until 30% completion of work
10. Bid Security of unsuccessful bidder/s shall be released within thirty days from the date of award of contract to the successful bidder/s.
11. Tender will be awarded to the highest scored bidder in financial evaluation.
12. Payment release is subject to satisfactory sign off by the joint team report comprising of:
 - i. Two members duly authorized by PPHI-B
 - ii. One member duly authorized by vendors.
13. Payment:
 - i. 40% payment will be released subject to completion report of 50% work by members nominated by PPHI-B & Vendor.

- ii. 70% payment will be released subject to completion report of 80% work by members nominated by PPHI-B & Vendor.
 - iii. 90% payment will be released subject to completion report of 100% work by members nominated by PPHI-B & Vendor.
14. 10% performance guarantee will be withheld from the financial payment by PPHI-B for 120 days from the date of completion of all work.

CURRENCY & BID VALIDITY

- Pak Rupees & 45 days

PEOPLE'S PRIMARY HEALTHCARE INITIATIVE (PPHI)-BALOCHISTAN

Summary of Cost for Repair & Renovations of PPHI's BHUs at Shay Salar (District Chaghi) & Urgas (District Muslim bagh)

S.No	Description	Amount (Rs.)
1	BHU Shay Salar in District Chaghi	-
2	BHU Urgas in District Muslim bagh	-
	Grand Total	-

1. Bill of Quantities for Repair & Renovation of BHU Shay Salar in District Chaghi

S.No	ITEM DESCRIPTION	QTY.	UNIT	RATE	BST/GST Amount	AMOUNT (Rs.)
A	[A] Buildings + Quarters Repair & Renovation Works					
1	Weather Resistant Coat					
	Applying 2 coats of weather resistant paint coating such as ICI/ Berger or equivalent paint of approved shade on old surface of walls and ceiling including dusting, sand papering and cleaning, scaffolding and removal of debris	5859	Sft			
2	Paint Works					
	Providing and applying 2 Coats Distemper on old surface i/c the removal of old distemper, etc completed in all aspects as per the directions of engineer incharge	16156	Sft			

3	Enamel Paint					
	Painting with ICI/Berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer 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)	196	Sft			
4	MS Door					
	Providing and fixing hot dipped MS single/Double leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, acrylic Paint, iron lugs, cutting holes and making good the damages to walls	294	Sft			
5	Ceiling Fans					
	Supply and Installation of Fan 56" AC/DC (Deluxe) of Superior quality aluminum alloy construction, Energy efficient Electrical Steel Sheet and 99.9% Pure Copper Wire, "E" grade varnish insulation to protect from electric shock and voltage fluctuation, Aerodynamically designed blades for maximum air delivery, High quality paint for superior finishing, Packed in strong corrugated cartons with protective thermopore. with GFC./PAK/Royal complete in all respect. including cost of Dimmer and making all necessary arrangements etc complete in all respects as per direction/satisfaction of Engineer.	9	Nos.			
6	5mm Glass Panes					
	Providing and fixing glass panes in wooden or steel frames of doors, windows and ventilators etc. complete in all respect.	102	Sft			
8	Energy Saver Electrical Bulbs					
	Supply and install Energy Saver Electrical Bulbs of 25 W Philips Energy Saver with plastic holders complete in all respect as per directions of the Engineer	22	No.			
9	Wiring for Lights					
	Wiring of Lights/Fan Points, Light Plugs and Power Plug (15A) from Distribution Box to switch Board and from Switch Board to point i/c appropriate sized cable/Wire, PVC duct , installation, fixing , commissioning , removal of old fitting wiring etc. complete in all respects as per direction of Engineer. (Fast/newage or equivalent)	106	points			

10	6 Gang power Plug Switches					
	Supply and install 6-gang, 5 Amp, 250 Volt,. plate type moulded Clipsal/Schneider or equivalent imported switch including appropriate size plastic box to be fixed recessed in wall.	6	No.			
11	Brick Masonry for minor Repair Works					
	Providing and laying first class burnt brick masonry including surface preparation, raking out joints and curing of surface drains in 3/8" (9.5 mm) joints of required thickness.	42	CFT			
12	Plaster for minor Repair Works					
	Plastering in patches in cement sand mortar 1:4 including curing and scraping old damaged portions in regular shape and removal of rubbish from the site in ground floor as directed by the Engineer	675	SFT			
13	Concrete Works for minor Repair					
	Providing and laying cement concrete (1:2:4)using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in at required places of repair works	54	CFT			
14	Distribution board					
	Provide, install, test and commission recessed wall mounting type distribution board fabricated from 16 SWG steel sheet, powder coated with approved color 2'x2'x1.5'	1	Each			
15	Electric Motor with Pump					
	Supply and install 1 HP Electric Motor with copper winding with pump including all accessories	1	Nos.			
16	LDPE Water Tank					
	Providing and fixing 400 gallon LDPE overhead tank manufactured by Dura or equivalent on top of any floor	1	Nos			
17	PPRC pipes works					
	Providing,laying,cutting jointing, testing and disinfecting PPRC Pipe of 20mm dia, sand valves etc. including all fittings, connections and jointing material.	186	ft			
18	Glazed Tiles					
	Providing and Laying colored glazed tiles 24"x24" of approved quality & shade on floor of labor Room or wherever required, on mortar bed,i/c style nound and filling completed in all aspects as per specifications or as directed by the engineer incharge.	366	Sft			
19	Concrete Pavers					

	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).	1875	Sft			
20	Dado Tiles					
	Providing and laying terrazzo dado/ skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing.	105	Sft			
21	Window Curtains					
	Providing & Installing fine quality curtains with 6" bukram at the top with fine quality Eyelet Curtains	84	Sft			
22	Planter					
	Providing and making of Planter in approved shape and quality includes 6" to 4"th solid block masonry with water proof plaster on internal & external sides includes water proofing, with fertile soil and plants with approved stone complete in all respect or as directed by Engineer In charge. maximum size size: 50'x20'	1	Nos			
23	Wire Mesh For Windows					
	Providing and fixing G.I Wire guage 24 SWG(1.06 mm),2.1mm x 2.1 mm mesh fixed with flat iron 1/2"x1/8" at 15" c/c and screwed at 6" c/c to steel windows, doors and grill including painting.	108	SFT			
24	Flood Lights					
	Supply and install Wall mounted weather proof LED 50 Watt fixture including accessories, installation materials. Philips or approved equivalent	2	No.			
25	Soak Pit					
	Providing and Construction of Soak Pit having diameter 3' with depth 25' , inner filled with Brick ballast/stone ballast having RCC top , complete in all respects as per drawings and as per direction of Engineer.	2	No			
26	Wash Basin					
	Providing and fixing approved quality fixtures wash basin 24" (610 mm) ICL Futura make	3	Each			
27	C.P Bib Cocks					

	Providing and fixing 3/4 "(20mm)superior quality C.P. bib cock of approved make.	9	Nos.			
28	Pillar Cock Double Way					
	Providing and fitting Double way superior quality C.P. or brass oxidised 1/2" (12mm) swan neck pillar cock (tap) of approved make.	3	Each			
29	PVC Pipes					
	Providing, laying, cutting, jointing, testing and disinfecting PVC pipes of 4" dia complete in all respects	36	Rft			
30	Indian Water Closet					
	Supply and fix Orrisa pattern glazed earthenware Indian W/C i/c SS hockey pipe, P-trap, Internal uPVC/PPRC work, nuts and bolts, connection with water source and Sewerage Line/Septic Tank, removal of old WC/fixtures/fittings etc complete in all respects and as approved by the Engineer.	3	Nos			
31	Kitchen Shelf with Sink					
	Providing and erecting RCC Kitchen shelf of dimensions 6' x 2' x 3' with 2" thick concrete slab , with necessary partitions with at appropriate distance, one Sink at the end with double way CP MIXER with 2" flexible pipe for outside drainage, with 4" PVC pipes for drainage complete in all respect as per directions of the Engineer.	1	LS			
A	Sub Total of all above works [A]					
[B] Detailed Estimate of Water Tank 9' x 7'						
32	Excavation					
	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock	441	CFT			
33	Concrete Bed & Slab Concrete					
	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in sills and Bed Plate including formwork and its removal, compacting and curing	64	CFT			
34	Brick Masonry					
	Providing and laying first class burnt brick masonry including surface preparation, raking out joints and curing of surface drains in 3/8" (9.5 mm) joints of required thickness.	198	CFT			

35	Steel Reinforcement					
	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 up to 15 ft. (5m) height	18	Kg			
36	Plaster with chips					
	Rough Plaster of brick walls in patches in cement sand mortar 1:4 including curing and then applying Chips plaster having ratio 1:1 on rough plaster complete in all respect including curing for 14 days as directed by the Engineer	256	SFT			
37	Girders & T irons					
	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.	196	Kg			
38	Brick Tiles					
	Providing and laying first class burnt brick tile roofing laid in 1 : 6 cement sand mortar including 1 : 2 cement sand pointing underside of tiles including curing for Tee iron/girder roof (Cost of Tee iron/ girder not included)	63	Sft			
39	Pudlo Powder					
	Providing and using Pudlow Powder in concrete additives and Chemical	4	Kg			
40	Water Tank Cover					
	Providing and fixing 16 gauge Galvanized Iron hot dipped water tank cover complete in all respect as per directions of the Engineer	4	Sft			
B	Sub Total of construction of water tank[B]					
C	[C] Boundry Wall					
41	Excavation & Backfilling					
	Excavation in foundation of buildings, bridges, and other structures, depth up to 4 Feet including dag belling, dressing, refilling around structures with excavated earth, watering and ramming lead up to 30m lift up to 1.5 m. complete in all respect as directed by the Engineer	1440	Cft			
42	1:3:6 Lean Concrete					

	Providing and laying C.C 1:3:6 Cast -in Situ using graded screened bajri 3/8" and down gauge as fine aggregate and crushed stone 3/4" and down gauge as coarse aggregate including / excluding form work and its removal, curing etc. having minimum works cube crushing strength of 1500 p.s.i. after 28 days curing complete as per drawing complete as per drawing and as directed by Engineer/in charge.	240	Cft			
43	Brick Masonry					
	Providing and laying first class solid burnt Brick masonry in 1:4 cement sand mortar including 13.5" Column at every 10' interval, levelling, scaffolding, raking out joints and curing in super structure. Complete as per Drawings, Specifications and as Engineer/incharge					
43.1	13.5" Wall	1098	Cft			
43.2	9 " Wall with 13.5" Brick Columns including raising of BW	2441	Cft			
44	Concrete(1:2:4)					
	Providing and laying Reinforced cement concrete using graded screened bajri 3/8" and down gauge as fine aggregate, SRC and crushed stone 3/4" down gauge as coarse aggregate with mixer machine concrete including the cost of fixing form work and scaffolding and its removal, vibrating using mechanical vibrator, curing and Cylinder testing at 7 & 28 days etc. having min. cylindrical strength of 3000 psi after 28 days curing but excluding the cost of reinforcement bars complete as per drawing and as directed by Engineer/in charge.					
	Copping of wall	68	Cft			
45	Plaster					
	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	7162	Sft			
46	Weather Resistant Coat					
	Applying two coats (@ at least 1.750 Liter per 10 Sq.m)weather resistant paint coating such as ICI/Berger or equivalent paint of approved shade on old surface of walls and ceiling including dusting, sand papering and cleaning, scaffolding and removal of debris	6040	Sft			
47	Enamel Paint					

	Painting with ICI/Berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer 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)	196	Sft			
48	Main Gate					
	Providing and fixing Mild steel double leaf door with 14 gauge (1.6mm) thick sheet and locking arrangement, angle iron 2"x2"x3/8" frame, middle strip, 1/4" thick gusset plate 3"x3" at each edge and 3/4" M.S square or round bars at 4" c/c including two coats of red oxide paint.(the cost includes demolishing of existing gate)	98	Sft			
	MS Arch Board					
	P/F semi circular MS arch board fixed on brick masonry pillar 15 ft approx. including necessary welding with steel reinforcement with writing as proposed with best quality paint complete in all respect as per directions of Engineer.	1	job			
C	Sub Total of Boundry Wall works[C]					
D	[D] Waiting Area					
49	Galvanized Iron Shade					
	Providing and fixing Galvanized Iron Shade using 18 SWG and 1"x1" MS Square sections 16 gauge with necessary truss arrangements with 1' x 1' frame as approved by Engineer incharge, including 3" iron pipes for foundation upto 3 ft in excavation ,iron lugs, cutting holes and making good the damages to wall etc complete in all respect as per directions of Engineer Incharge. Note: The Contractor have to provide Gable Shape Slanted G.I Shade for waiting Area.	92	Sft			
50	Concrete Pavers					
	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 inchange complete in all respects. (No PCC work is permitted underneath this item of work).	120	Sft			
51	Stainless Steel Waiting Chairs					

	Providing and Fixing Satinless Steel waiting chairs of approved quality	6	No			
D	Sub Total of Waiting Area[D]					
E	[E] Water Bore Facility					
52	Water Bore Hole:					
	<p>Drilling a water Bore Hole (10" dia.)up to 250 RFT depth empolying straight rotary hydraulic/percussion OR hand Auger method i/c</p> <p>1. lowering of PVC casing (strainer (Screen) & blind pipes) manufactured as standards and slot size designed as per strata available in bore.</p> <p>2. providing and fixing of suspension clamp, construction of concrete foundation.</p> <p>3. Developing the tube well with air compressor for at least 24 hours I/C sterilization of water surging with high pressure air shall be carried out at different positions/levels from top to bottom and bottom to top in several operations till the water is got cleared. Air presure from 120-150 PSI shall be used during the process of development.</p> <p>4. Any Approved Manufacturer's pump of suitable size (H.P, Head, and Discharge Cable MCU) with all accessories Solar Panels, electrical panel and 1 year guarantee by manufacturer.</p> <p>5. Providing/Laying of GI pipe 1" dia. (For suction, delivery and feeding to overhead water tank and underground water tank) with all fittings i.e. socket, bend, elbows, T-joints, Unions, Nipple Bush,non return valves, end caps, steel rope,gate valves,electrical works and cables etc, complete in all respects as per direction/satisfaction of Engineer.</p>	1	Job			
E	Sub Total of Water Bore facility [E]					-
F	[F]Solarization					
53	Solar Panel					

	Supply, Install, connect, test and commission of HALF CUT MONO PERC SOLAR PANEL & accessories of JINKO , LONGI and Canadian Solar or equivalent having following Specifications: Grade-A with Documents Mono PERC Half cut Monofacial (540W), Anodized aluminum Frame , Maximum Efficiency 20.97%,Split junction Box, 3.2mm high transmission tempered glass, Back sheet of Composite film, Nominal Maximum Power 540W(STS), Batter Shading tolerance, Low Temperature Coefficient, Higher Shade tolerance, Snow Load Capability	3000	Per Watt			
54	Solar Inverter					
	Supply, Install, connect, test and commission of SOLAR HYBRID INVERTER & accessories of Inverex, or equivalent (IP 65) having following specifications: Pure Sine Wave Solar Hybrid Inverter (UPS),Rated Capacity: 5000Watt., Solar Capacity: 6500Watt.,Dual MPPT efficiency of 99.9%,Water Proof, Resistance to bad weather, Maximum Efficiency 97.6%, Dual input and Dual output,IP65 ingress protection,Operating temperature -25 to 60 Degree Centigrade	3200	Per Watt			
55	Solar Mounting Structure (Fixed)					
	Supply, Install, connect, test and commission of Fixed SOLAR MOUNTING STRUCTURE & accessories of 16 guage galvanized iron with drilling, concreting, Rawl Bolts etc complete in all respect as per directions of Engineer.	3000	Per Watt			
56	Battries					
	Supply, Install, connect, test and commission of Battries - GEL 1000 Cycles & accessories (1000 Cycles) having foloowing specsifications: Deep cycle battery,Voltage per unit 12 Volt, Capacity 200 AH, Front access terminal for fast and easy installation and maintenance, Self-regulating pressure relief valve,12 years expected life,Self-discharge rate < 2% per month, Maximum charging current 60-70A,Internal resistance 4 mΩ, Comply with IEC, IEEE, UL, EN, CE standards, etc.	800	per AH			
57	Circuit Breakers					
57.1	Supply and Install Single Pole 63 Amp DC Circuit Breaker	3	Each			
57.2	Supply and Install Single Pole 40 Ampere DC Circuit Breaker	1	Each			
57.3	Supply and Install Single Pole 16 Ampere DC Circuit Breaker	1	Each			
57.4	Supply and Install Single Pole 20 Ampere DC Circuit Breaker	2	Each			
58	Distribution board					

	Provide, install, test and commission recessed wall mounting type distribution board fabricated from 16 SWG steel sheet, powder coated with approved color 2'x2'x1.5'	1	Each			
59	Concealed Wiring					
	Concealed wiring with 3/4 inch (20mm) dia PVC conduit and accessories such as bends elbows, junction boxes etc., 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,	6	Point			
60	Solar DC Cable					
	Supply, Install, connect, test and commission of CABLES & accessories. DC Cable OF DC Cable 16mm2 single Core Stranded and flexible insulated copper DC wires and cables must be used for all outdoor and indoor installations. - voltage drop must not exceed 1% on DC side of the power inverter and 1.5% on AC side of the power inverter. - The wiring that leads into the pole, protected in a PVC Spiral / Flexible conduit. - External cables adapted to outdoor exposure as per IEC 60811. - The outer insulation: sunlight (UV)-resistant and weather	135	Rft			
61	G.I Stand for Cells					
	Provide and fix GI Battery Stand made with Angle Irons for Placing Batteries with all other accessories complete in all respect as per directions of Engineer in charge	1	Job			
F	Sub Total of Solarization [F]					-
	Grand Total Amount [A] + [B] + [C] + [D] + [E] + [F]					-

2. Bill of Qunatities for Repair & Renovation of BHU Urgas in District Muslim Bagh

S.No	ITEM DESCRIPTION	QTY.	UNIT	RATE (Rs.)		AMOUNT (Rs.)
A	[A] Repair & Renovation of BHU +Quarters+Labour Room					
1	Weather Resistant Coat including front boundry wall					
	Applying 2 coats of weather resistant paint coating such as ICI/ Berger or equivalent paint of approved shade on old surface of walls and ceiling including dusting,sand papering and cleaning, scaffolding and removal of debris	10536	Sft			
2	Paint Works					

	Providing and applying 2 Coats Plastic Emulsion Paint on old surface i/c the removal of old distemper, etc completed in all aspects as per the desire of Engineer incharge	10840	Sft			
	Enamel Paint					
	Painting with ICI/Berger or equivalent super gloss synthetic enamel paint in two or more coats as per manufacturer instructions on steel and iron work over and including the cost of priming coat, surface preparation, removing rust, scales and dust with wire brush in ground floor or basement. (@ atleast 1.25 Litre per 10 Sq.m)	206	Sft			
	Roof Treatment from Bitumenous Roofing Felt(for Quarters)					
	Providing and laying on ground floor roofing felt 3 ply over a tack coat of bitumen at 1.45 kg per sq.m. and sealed with bitumen compound at the rate of 1.45 kg per sq.m. and blended with washed gravel 9.5mm and down gauge at the rate of 0.009 cu.m. per sq.m. including ramming	896	Sft			
	BHU's Roof Golas & Drainage pipe(Parnalas) for rain water					
	Providing and laying concrete 1:2:4 Roof Golas in all the edges of the G.I Corrugated Sheet(total Length of Golas =144') with provision of 13 drainage pipes(parnalas) for expulsion of rain water including cleaning of all dirt, clay and soil on the G.I sheet complete in all respect as per directions of the Engineer incharge.	1	Job			
3	Ceiling Fans					
	Supply and Installation of Fan 56" AC/DC (Deluxe) of Superior quality aluminum alloy construction, Energy efficient Electrical Steel Sheet and 99.9% Pure Copper Wire, "E" grade varnish insulation to protect from electric shock and voltage fluctuation, Aerodynamically designed blades for maximum air delivery, High quality paint for superior finishing, Packed in strong corrugated cartons with protective thermopore. with GFC./PAK/Royal complete in all respect. including cost of Dimmer and making all necessary arrangements etc complete in all respects as per direction/satisfaction of Engineer.	3	Nos.			
4	5mm Glass Panes					
	Providing and fixing glass panes in wooden or steel frames of doors, windows and ventilators etc. complete in all respect.	16	Sft			
5	Energy Saver Electrical Bulbs					

	Supply and install Energy Saver Electrical Bulbs of 25 W Philips Energy Saver with plastic holders complete in all respect as per directions of the Engineer	11	No.			
6	Wiring for Lights					
	Wiring of Lights/Fan Points, Light Plugs and Power Plug (15A) from Distribution Box to switch Board and from Switch Board to point i/c appropriate sized cable/Wire, PVC duct, installation, fixing, commissioning, removal of old fitting wiring etc. complete in all respects as per direction of Engineer. (Fast/newage or equivalent)	42	points			
7	6 Gang power Plug Switches					
	Supply and install 6-gang, 5 Amp, 250 Volt,. plate type moulded Clipsal/Schneider or equivalent imported switch including appropriate size plastic box to be fixed recessed in wall.	7	No.			
8	Brick Masonry for Labour Room wall and other repair works					
	Providing and laying first class burnt brick masonry including surface preparation, raking out joints and curing of surface drains in 3/8" (9.5 mm) joints of required thickness.	42	CFT			
9	Plaster for Labour Room wall and other repair works					
	Plastering in patches in cement sand mortar 1:4 including curing and scraping old damaged portions in regular shape and removal of rubbish from the site in ground floor as directed by the Engineer	385	SFT			
10	Concrete Works for minor Repair					
	Providing and laying cement concrete (1:2:4) using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in at required places of repair works	32	CFT			
12	Electric Motor with Pump					
	Supply and install 1 HP Electric Motor with copper winding with pump including all accessories	1	Nos.			
13	LDPE Water Tank					
	Providing and fixing 400 gallon LDPE overhead tank manufactured by Dura or equivalent on top of any floor	1	Nos			
14	PPRC pipes works					
	Providing, laying, cutting jointing, testing and disinfecting PPRC Pipe of 20mm dia, sand valves etc. including all fittings, connections and jointing material.	256	ft			
	Cabinets in Laboratory					

Providing & fixing box type cabinets with 20 mm thick laminated lasani sheet or equivalent on all sides with shutter i/c solid approved wood frame 2"x2", approved wood laminated/glass shelves i/c lipping, full length hinges, approved handles, suitable locks, catchers, polishing, painting etc. complete as per specifications and as directed by Engineer(The front area shall be measured for payment).	55	Sft			
Laboratory Shelf with Sink					
Providing and erecting RCC Laboratory shelf of dimensions 11' x 2' x 3' with 2" thick concrete slab, upper portion should be covered with marble top, with necessary partitions with LASANI SHEET at appropriate distance, one Sink at the end with double way CP MIXER with 4" PVC pipe for outside drainage to soak pit, complete in all respect as per directions of the Engineer.	1	LS			
Kitchen Shelf with Sink					
Providing and erecting RCC Kitchen shelf of dimensions 6' x 2' x 3' with 2" thick concrete slab, with necessary partitions with at appropriate distance, one Sink at the end with double way CP MIXER with 2" flexible pipe for outside drainage, with 4" PVC pipes for drainage complete in all respect as per directions of the Engineer.	1	LS			
Adjustment of main Gate					
Re-adjustment of existing MS Main Gate of buildings including welding cutting, rubbing, installation of locks (If required) etc as required, complete in all respect, as directed by Engineer.	1	Job			
Glazed Tiles for Labour Room					
Providing and Laying colored glazed tiles 24"x24" of approved quality & shade on floor of labor Room or wherever required, on mortar bed,i/c style nound and filling completed in all aspects as per specifications or as directed by the engineer incharge.	416	Sft			
Labour Room Sink					
providing and fixing stainless steel sink 40" x 20" (1000mm x 500mm) Pakistan made with C.I. or W.I brackets 6" built in wall, 1.5" (40 mm) rubber plug,C.P. brass chain, C.P.brass waste, pillar tap 2 way delux, 1.5" dia malleable iron or C.P. brass trap and unions and making requisite number of holes in walls, plinth and floor for pipe connections and making good with approved material.	1	Nos.			
Soak Pit					

	Providing and Construction of Soak Pit having diameter 3' and depth 25' , inner filled with Brick ballast/stone ballast with calcium Carbonate having RCC top , complete in all respects as per drawings and as per direction of Engineer.	1	No			
	Removal of Door with Frame in Labour Room					
	Removal of Door with Frame in Labour Room complete in all respect as per directions of Engineer.	1	job			
	MS Door					
	Providing and fixing hot dipped MS single/Double leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, acrylic Paint, iron lugs, cutting holes and making good the damages to walls	53	Sft			
	Distribution board					
	Provide, install, test and commission recessed wall mounting type distribution board fabricated from 16 SWG steel sheet, powder coated with approved color 2'x2'x1.5'	1	Each			
	Water Tank Cover					
	Providing and fixing 16 gauge Galvanized Iron hot dipped water tank cover complete in all respect as per directions of the Engineer	2.25	Sft			
	Flood Lights					
	Supply and install Wall mounted weather proof LED 50 Watt fixture including accessories, installation materials. Philips or approved equivalent	2	No.			
	Planter					
	Providing and making of Planter in approved shape and quality includes 6" to 4"th solid block masonry with water proof plaster on internal & external sides includes water proofing, with fertile soil and plants with approved stone complete in all respect or as directed by Engineer In charge. maximum size size:	1	Job			
	Concrete Pavers					
	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).	845	Sft			
A	Sub Total of all above Works[A]					-
B	[B] Water Bore Facility					
1	Water Bore Hole:					

	<p>Drilling a water Bore Hole (10" dia.) up to 450 RFT depth employing straight rotary hydraulic/percussion OR hand Auger method i/c</p> <p>1. lowering of PVC casing (strainer (Screen) & blind pipes) manufactured as standards and slot size designed as per strata available in bore.</p> <p>2. providing and fixing of suspension clamp, construction of concrete foundation.</p> <p>3. Developing the tube well with air compressor for at least 24 hours I/C sterilization of water surging with high pressure air shall be carried out at different positions/levels from top to bottom and bottom to top in several operations till the water is got cleared. Air pressure from 120-150 PSI shall be used during the process of development.</p> <p>4. Any Approved Manufacturer's AC pump of suitable size (H.P, Head, and Discharge Cable MCU) with all accessories, electrical panel and 1 year guarantee by manufacturer.</p> <p>5. Providing/Laying of GI pipe 1" dia. (For suction, delivery and feeding to overhead water tank and underground water tank) with all fittings i.e. socket, bend, elbows, T-joints, Unions, Nipple Bush, non return valves, end caps, steel rope, gate valves, electrical works and cables etc, complete in all respects as per direction/satisfaction of Engineer.</p>	L.S	1			
B	Sub Total of Water Bore[B]					
C	[C] Construction of Store					
32	Excavation & Backfilling					
	Excavation in foundation of buildings, bridges, and other structures, depth up to 4 Feet including dag belling, dressing, refilling around structures with excavated earth, watering and ramming lead up to 30m lift up to 1.5 m. complete in all respect as directed by the Engineer	70	Cft			
33	1:3:6 Lean Concrete					
	Providing and laying C.C 1:3:6 Cast -in Situ using graded screened bajri 3/8" and down gauge as fine aggregate and crushed stone 3/4" and down gauge as coarse aggregate including / excluding form work and its removal, curing etc. having minimum works cube crushing strength of 1500 p.s.i. after 28 days curing complete as per drawing complete as per drawing and as directed by Engineer/in charge.	9	Cft			
	Brick Masonry					

	Providing and laying first class solid burnt Brick masonry in 1:4 cement sand mortar including 9" Column at every 8' interval, levelling, scaffolding, raking out joints and curing in super structure. Complete as per Drawings, Specifications and as Engineer/incharge				
	13.5" Foundation Wall	40	Cft		
	9 " Wall	120	Cft		
	Plaster				
	Plastering in patches in cement sand mortar 1:4 including curing and scraping old damaged portions in regular shape and removal of rubbish from the site in ground floor as directed by the Engineer	630	SFT		
34	Roofing				
	covering the roof of approx. 110 sft by T-Irons, with polythene Sheet, brick tiles ,cement Concrete(1:2:4) 3" thick compete in all respect including Curing etc as per directions of Engineer	1	Job		
35	Flooring				
	Providing and laying 1:2:4 cement concrete floor 3" (75 mm) nominal thick flooring using crushed aggregate 3/4" (19mm) and down gauge in ground floor laid in panels including formwork, consolidation, finishing and curing.	98	SFT		
36	MS Door				
	Providing and fixing hot dipped MS single/Double leaf steel door with 2" x 2" x 1/4" frame fully panelled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, acrylic Paint, iron lugs, cutting holes and making good the damages to walls	21	Sft		
37	Ventilator				
	Considering a fully glazed ventilator 1.5'x1.5' with steel wire mesh with wooden frame complete in all respect as per directions of the Engineer .	1	No.		
41	Energy Saver Electrical Bulbs				
	Supply and install Energy Saver Electrical Bulbs of 25 W Philips Energy Saver with plastic holders complete in all respect as per directions of the Engineer	1	No.		
42	Wiring for Lights				
	Wiring of Lights/Fan Points, Light Plugs and Power Plug (15A) from Distribution Box to switch Board and from Switch Board to point i/c appropriate sized cable/Wire, PVC duct , installation, fixing , commissioning , removal of old fitting wiring etc. complete in all respects as per direction of Engineer. (Fast/newage or equivalent)	2	points		

C	Sub Total of Residential Quarters[C]					
D	[D] Waiting Area					
53	Galvanized Iron Shade					
	Providing and fixing Galvanized Iron Shade using 18 SWG and 1"x1" MS Square sections 16 gauge with necessary truss arrangements with 1' x 1' frame as approved by Engineer incharge, including 3" iron pipes for foundation upto 3 ft in excavation, iron lugs, cutting holes and making good the damages to wall etc complete in all respect as per directions of Engineer Incharge. Note: The Contractor have to provide Gable Shape Slanted G.I Shade for waiting Area.	105	Sft			
54	Concrete Pavers					
	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).	105	Sft			
55	Stainless Steel Waiting Chairs					
	Providing and Fixing Stainless Steel waiting chairs of approved quality	8	No			
D	Sub Total of Waiting Area[D]					
E	[E] Wash Facilities i.e, Construction of Washroom 6.5' x 7.5' & other wash facilities in washrooms					
	Dismantling of existing wall					
	Dismantling of existing 9" plastered wall and installation of plinth beam over the wall with necessary arrangements of jack for preventing wall to come down and installation of door frame with plastering of surface at the edges complete in all respect as per directions of Engineer	1	Job			
	Excavation					
	Excavation in open cutting for sewers and manholes as shown in drawings, dressing to correct sections and dimensions according to templates and levels and removing surface water in all types of soil except rock	146	CFT			
	Lean Concrete (1:4:8)					

	Providing/laying plain cement concrete (1:4:8) using stone aggregate 1" down gauge and local sand (Where required) i/c curing, consolidating by ramming to full compaction, Complete in all respects as directed by the Engineer.	24	Cft			
	Concrete (1:2:4)					
	Providing and laying 1:2:4 cement concrete using approved coarse sand and crushed aggregate 3/4" (19mm) and down gauge in sills and Bed Plate including formwork and its removal, compacting and curing					
	Plinth Beam	14	CFT			
	Lintel Beam	14	CFT			
	Roof Screed	10	CFT			
	Columns	20	CFT			
	Damp Proof Course					
	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	18	Sft			
	Steel Reinforcement for Plinth & Lintel Beam					
	Providing, fabricating and laying deformed steel reinforcement for all kinds of R.C.C. work in foundation, plinth and ground floor including the cost of straightening, removal of rust, cutting, bending, binding, wastage and providing such overlaps as are not shown on the drawings. The cost of binding wire and precast 1:2:4 cement concrete space blocks or M.S chairs for binding and holding the reinforcement in position is inclusive up to 5m (14.6 ft.) height(fy = 60 ksi) complete in all respect as directed by Engineer/incharge.	354	Kg			
	Brick Masonry					
	Providing and laying first class burnt brick masonry including surface preparation, raking out joints and curing of surface drains in 3/8" (9.5 mm) joints of required thickness.	298	CFT			
	Plaster					

	Plastering in patches in cement sand mortar 1:4 including curing and scraping old damaged portions in regular shape and removal of rubbish from the site in ground floor as directed by the Engineer	472	SFT			
	Filling					
	Filling with gravelly soil earth taken from approved borrow pits including cost of excavation, placing in layers not exceeding 9" (230mm) in depth including dressing top and sides of the within a lift of 5 ft. (1.5m) and lead up to 100 ft. (30m).	266	Cft			
	Compaction of Earthwork					
	Compaction of newly filled soil to full depth and width by mechanical means in layers not exceeding 8" (200mm) in depth at optimum moisture content including watering and mixing by mechanical means.	266	Cft			
	Dado Tiles					
	Providing and laying terrazzo dado/ skirting 7/8" (22mm) thick comprising 3/8" (9mm) thick topping 1:2 (one grey cement & two marble chips) in ground floor over 1/2" (13mm) thick cement sand mortar base 1:4 with grinding, rubbing, polishing & curing.	390	Sft			
	Paint Works					
	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, sand papering 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)	256	Sft			
	MS Single Leaf Doors with Stainless steel Frame					
	Providing and fixing hot dipped Galvanized single leaf steel door with 2" x 2" x 1/4" frame fully paneled with 16 gauge (1.59mm) G.I. sheet with brass fitting of approved make including cost of fabrication, iron lugs, cutting holes and making good the damages to walls.	18	Sft			
	Indian Water Closet					

Supply and fix Orrisa pattern glazed earthenware Indian W/C i/c Flush tank SS hockey pipe, P-trap, Internal uPVC/PPRC work, nuts and bolts, connection with water source and Sewerage Line/Septic Tank, removal of old WC/fixtures/fittings etc complete in all respects and as approved by the Engineer.	1	Nos			
LDPE Water Tank					
Providing and fixing 300 gallon LDPE overhead tank manufactured by Dura or equivalent on top of any floor	1	Nos			
PPRC pipes works					
Providing,laying,cutting jointing, testing and disinfecting PPRC Pipe of 20mm dia, sand valves etc. including all fittings, connections and jointing material.	56	ft			
Pillar Cock Double Way					
Providing and fitting Double way superior quality C.P. or brass oxidized 1/2" (12mm) swan neck pillar cock (tap) of approved make.	3	Nos.			
C.P Bib Cocks					
Providing and fixing 3/4 "(20mm)superior quality C.P. bib cock of approved make.	7	Nos.			
Wash Basin					
Providing and fixing approved quality fixtures wash basin 24" (610 mm) ICL Futura make with stop cocks and flexible pipe to the soak pit complete in all respect as per directions of the Engineer.	3	Each			
Ventilator					
Considering a fully glazed ventilator 1'x1' with steel wire mesh with wooden frame complete in all respect as per directions of the Engineer .	1	No.			
Energy Saver Electrical Bulbs					
Supply and install Energy Saver Electrical Bulbs of 25 W Philips Energy Saver with plastic holders complete in all respect as per directions of the Engineer	1	No.			
Wiring for Lights					
Wiring of Lights/Fan Points, Light Plugs and Power Plug (15A) from Distribution Box to switch Board and from Switch Board to point i/c appropriate sized cable/Wire, PVC duct , installation, fixing , commissioning , removal of old fitting wiring etc. complete in all respects as per direction of Engineer. (Fast/newage or equivalent)	3	points			

	PVC Pipes					
	Providing, laying, cutting, jointing, testing and disinfecting PVC pipes of 4" dia complete in all respects	48	Rft			
E	Sub Total of Wash Facilities[E]					-
F	[F]Solarization					
21	Solar Panel					
	Supply, Install, connect, test and commission of HALF CUT MONO PERC SOLAR PANEL & accessories of JINKO ,LONGI and Canadian Solar or equivalent having following Specifications: Grade-A with Documents Mono PERC Half cut Monofacial (540W), Anodized aluminum Frame , Maximum Efficiency 20.97%,Split junction Box,3.2mm high transmission tempered glass, Back sheet of Composite film, Nominal Maximum Power 540W(STS), Batter Shading tolerance,Low Temperature Coefficient,Higher Shade tolerance,Snow Load Capability	3000	Per Watt			
22	Solar Inverter					
	Supply, Install, connect, test and commission of SOLAR HYBRID INVERTER & accessories of Inverex, or equivalent (IP65)having following specifications: Pure Sine Wave Solar Hybrid Inverter (UPS),Rated Capacity: 5000Watt., Solar Capacity: 6500Watt.,Dual MPPT efficiency of 99.9%,Water Proof, Resistance to bad weather, Maximum Efficiency 97.6%, Dual input and Dual output,IP65 ingress protection,Operating temperature -25 to 60 Degree Centigrade	3200	Per Watt			
23	Solar Mounting Structure (Fixed)					
	Supply, Install, connect, test and commission of Fixed SOLAR MOUNTING STRUCTURE & accessories of 16 guage galvanized iron with drilling, concreting, Rawl Bolts etc complete in all respect as per directions of Engineer.	3000	Per Watt			
24	Batttries					
	Supply, Install, connect, test and commission of Batttries - GEL 1000 Cycles & accessories (1000 Cycles) having foloowing specsifications: Deep cycle battery,Voltage per unit 12 Volt, Capacity 200 AH, Front access terminal for fast and easy installation and maintenance, Self-regulating pressure relief valve,12 years expected life,Self-discharge rate < 2% per month, Maximum charging current 60-70A,Internal resistance 4 mΩ, Comply with IEC, IEEE, UL, EN, CE standards, etc.	800	per AH			
25	Circuit Breakers					

25.1	Supply and Install Single Pole 63 Amp DC Circuit Breaker	3	Each			
25.2	Supply and Install Single Pole 40 Ampere DC Circuit Breaker	1	Each			
25.3	Supply and Install Single Pole 16 Ampere DC Circuit Breaker	1	Each			
25.4	Supply and Install Single Pole 20 Ampere DC Circuit Breaker	2	Each			
26	Distribution board					
	Provide, install, test and commission recessed wall mounting type distribution board fabricated from 16 SWG steel sheet, powder coated with approved color 2'x2'x1.5'	1	Each			
27	Concealed Wiring					
	Concealed wiring with 3/4 inch (20mm) dia PVC conduit and accessories such as bends elbows, junction boxes etc., 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,	6	Point			
28	Solar DC Cable					
	Supply, Install, connect, test and commission of CABLES & accessories. DC Cable OF DC Cable 16mm ² single Core Stranded and flexible insulated copper DC wires and cables must be used for all outdoor and indoor installations. - voltage drop must not exceed 1% on DC side of the power inverter and 1.5% on AC side of the power inverter. - The wiring that leads into the pole, protected in a PVC Spiral / Flexible conduit. - External cables adapted to outdoor exposure as per IEC 60811. - The outer insulation: sunlight (UV)-resistant and weather	135	Rft			
29	G.I Stand for Cells					
	Provide and fix GI Battery Stand made with Angle Irons for Placing Battries with all other accessories complete in all respect as per directions of Engineer in charge	1	Job			
F	Sub Total of Solarization [F]					
	Grand Total Amount [A] + [B] + [C] + [D] + [E] + [F]					-

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 & UNDETAKES 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 _____