



PMDC
PAKISTAN MINERAL DEVELOPMENT CORP.

Head Office

Plot No: 13, Sector H/9, Islamabad 44000,
Pakistan.
Tel: 9265123-24
E-mail: info@pmdc.gov.pk
www.pmdc.gov.pk

Invitation of E-BID

Pakistan Mineral Development Corporation is an autonomous corporation under the administrative control of Ministry of Energy (Petroleum Division), Government of Pakistan invites electronic bids (Lot – Wise) from the interested Parties/contractors having valid registration with PEC (Pakistan Engineering Council) & Federal Board of Revenue (FBR)/Respective Revenue Boards for income tax & sales tax and who are on active taxpayer list (Income & Sales Tax) of the Federal Board of Revenue (FBR)/Respective Revenue Boards for following civil works at PMDC Salt Mines, Warcha :-

Lot No.	Detail of Works	Bid Security
LOT NO. 01	Construction of Weighment rooms at both weighbridges PMDC Salt Mines, Warcha.	Rs.150,000/-
LOT NO. 02	Construction of Jansukh Mines Site Office at PMDC Salt Mines, Warcha.	Rs.200,000/-
LOT NO. 03	Construction/Provision of Washing and Sterilization Area/Room at PMDC Salt Mines, Warcha.	Rs.50,000/-
LOT NO. 04	Construction of Water Filtration Room at PMDC Salt Mines, Warcha.	Rs.75,000/-
LOT NO. 05	Construction of First Aid Room at PMDC Salt Mines, Warcha.	Rs.50,000/-

E-Bidding documents containing detailed terms and conditions, method of procurement, bid security, opening of bid, etc. are available electronically and can be downloaded from EPADS-PPRA Website: <https://eprocure.gov.pk> free of cost.

The electronic bids, prepared in accordance with the instructions in the bidding document along with bid money as stated above in the shape of demand draft/pay order in the name of Pakistan Mineral Development Corporation on account of bidder must be submitted by using EPAD on or before **30.04.2026 at 11:00 AM**. Tenders will be opened on EPAD on the same date at **11:30 AM** in the presence of participants who may desire to attend the tender opening.

Note:-

1. Original Bid Security Instrument Must be submitted to undersigned, before the online submission deadline of the bid; otherwise, respective bid will not be opened.
2. In case of any technical difficulty in using EPADS, prospective bidders may contact PPRA Office, 1st Floor, FBC building Sector G-5/2, Islamabad. Contact Number 051-111-137-237.

Dy. General Manager (Procurement)
PMDC Head Office, H-9/4, Islamabad
Phone: 051-9265128
E-mail: dgm-pro@pmdc.gov.pk





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Pakistan.

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**Tender Enquiry No. Ref: No. PMDC/Pro/Civil Works (05 Lots)/WCH/
DUE FOR OPENING ON: 30.04.2026 AT 11:30 AM**

Electronic bids (Lot – Wise) are invited from the interested parties/contractors registered with PEC (Pakistan Engineering Council) & Federal Board of Revenue (FBR)/Respective Revenue Boards for income tax & sales tax and who are on active taxpayer list (Income & Sales Tax) of the Federal Board of Revenue (FBR)/Respective Revenue Boards for following works at PMDC Salt Mines, Warcha as per BOQ/Technical Specs given below :-

SUMMARY OF COST

Lot No.	Detail of Works	Total Cost in PKR (inclusive of all taxes)
<u>LOT NO. 01</u>	Construction of Weighment rooms at both weighbridges PMDC Salt Mines, Warcha. Specifications/Bill of Quantities as per Annex - A	
<u>LOT NO. 02</u>	Construction of Jansukh Mines Site Office at PMDC Salt Mines, Warcha. Specifications/Bill of Quantities as per Annex - B	
<u>LOT NO. 03</u>	Construction/Provision of Washing and Sterilization Area/Room at PMDC Salt Mines, Warcha. Specifications/Bill of Quantities as per Annex - C	
<u>LOT NO. 04</u>	Construction of water filtration room at PMDC Salt Mines, Warcha. Specifications/Bill of Quantities as per Annex - D	
<u>LOT NO. 05</u>	Construction of First Aid Room at PMDC Salt Mines, Warcha. Specifications/Bill of Quantities as per Annex - E	

GENERAL TERMS AND CONDITION:

1. Electronic Bid must be submitted on EPAD on or before **30.04.2026** at **11:00 AM** which will be opened on the same day at **11:30 AM** in the presence of tenderers or their representatives who desire to participate.
2. Bid Money as per following detail in the form of pay order/demand draft made in the name of Pakistan Mineral Development Corporation on account of bidder from any scheduled bank shall



accompany the bid/tender. Tender with less or without bid money (in the form of pay order/demand draft) or pay order/demand draft without the name of bidder shall not be considered:-

Lot No.	Detail of Works	Bid Security
LOT NO. 01	Construction of Weighment rooms at both weighbridges PMDC Salt Mines, Warcha.	Rs.150,000/-
LOT NO. 02	Construction of Jansukh Mines Site Office at PMDC Salt Mines, Warcha.	Rs.200,000/-
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LOT NO. 05	Construction of First Aid Room at PMDC Salt Mines, Warcha.	Rs.50,000/-

3. Successful tender will be required to deposit security money @ 10% of the total value and bid money already deposited will be converted into security deposit while balance amount shall have to be deposited to maintain the Security deposit @ 10% of the total value which will be refunded after successful completion the DLP.
4. The successful bidder shall be required to furnish Integrity Pact if applicable, as per PPRA Rules.
5. Bidders can bid in any of the above 05 Lots.
6. Tenders will be evaluated and awarded on a lot-wise basis. Bidders meeting the required all mandatory required documents and relevant experience, will be considered Technical responsive among the technical responsive bidders the contract will be awarded to the bidder offering the lowest evaluated price.
7. The rates should be quoted in PKR and should be inclusive of all applicable/prevaling taxes. Any increase in taxes at any stage shall not be considered.
8. The rates, prices and amounts shall be entered against each item in the Schedule of Prices/BOQ. Any item against which no rate or price is entered by the bidder will not be paid for by the Employer when executed and shall be deemed covered by the rates and prices for other items in the Schedule of Prices.
9. Interpretation of the PMDC regarding the tendered rates in case of any discrepancy regarding unit rates and total amount shall be final.
10. Escalation of cost at any circumstances will not be permitted.
11. **Bidders are requested to visit the sites before quoting rates.**
12. The bidder will be responsible to carry out the works as per detailed mentioned in BOQ and the payment to the contractor shall be made on actual work done.
13. All the materials, equipment's, workmanship, and installation practices used in civil works, electric works, plumbing works etc. strictly conforming to relevant standards, latest editions, as applicable and the respective material etc. shall be unused, of highest quality.
14. No running/interim payment will be applicable.



15. The Project Manager/Engineer may request samples of material to be installed in order to check its quality for approval purpose.
16. The quantity can be increased (upto 15% of the total contracted quantities) or decreased during the period of the contract at the sole discretion of PMDC without any prior notice to contractor.
17. No extra item shall be allowed to be executed without written orders from the concern Project Manager.
18. Concern Project Manager shall reserve the right to add/ delete any item from bill of quantities and the contractor will be responsible to execute any extra item required at site to complete the work and the payment for the same shall be made on mutually agreed rates.
19. No extra payment for water and electricity works etc. shall be claimed by the contractor.
20. The Contractor shall be responsible to make complete arrangements for the transportation/storage/security of the material etc. and the security/stay of his staff/workers.
21. Any damages to PMDC assets, HR of whatsoever nature shall be completely borne by the contractor.
22. The contractor shall execute works in a manner that daily operations/works of PMDC may not be affected.
23. Bids should remain valid for a period of 90 days from the date of opening of tenders. In case no specific date of validity is mentioned in the offer, it will be presumed to be valid for a period of 90 days from the date of opening of tender.
24. If the contractor fails to fulfill the contractual obligations of the contract, then the Security deposit will be forfeited.
25. All taxes will be applicable/deducted as per prevailing Government rules.
26. Firm/Contractor should be of sound financial health and shall provide Bank statement covering last 12 months (from the date of submission of bid).
27. Firm/Contractor must provide a list of the construction machinery and equipment available with the tenderer.
28. The Firm/Contractor should have 03 years' experience in relevant Project/ work with Govt. departments and other organizations/companies. Proof of relevant experience/work order as well as satisfactory completion certificates should be attached.
29. The tender for the supply / work will be completed / delivered at PMDC Salt Mines, Warcha.
30. Completion time period of Lot – 01 & Lot - 02 will be 04 months, whereas for Lot – 03, 04 & 05 it will be 03 months. In case of delay, LD Charges @ rate 0.10% of total contract value will be applied per day upto 10 % of Total Contract Value.
31. Defect liability period (DLP)/warranty is 12 months, which will be start from the issuance of completion certificate.
32. If the Supplier/Contractor, having been notified, fails to remedy the defect(s) within the specified period, PMDC may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense.



33. The successful tender will have to execute a contract within the specified time, Payment will be made after satisfactorily completion work as per specifications and on submission of the bill in duplicate along with satisfactory completion certificate/report whereas security deposit will be refunded after expiry of DLP/warranty period.
34. The authorized representative of the bidder/bidding firm will only be allowed to sit in the tender opening on presentation of authority letter from the bidder/bidding firm issued in favor of representative to participate in the specific tender.
35. Firm/Contractor or any its subsidiary firms or of its directors/owners or any their relatives' parents, children, brother, sister) should not be under litigation with PMDC in any local or foreign court law.
36. Firm/Contractor or any its subsidiary firms or of its directors/owners or any their relatives' parents, children, brother, sister) should not have any ongoing, under resolved business dispute with PMDC, PMDC shall be sole judge of fulfillment of this requirement.
37. Firm/Contractor or any its subsidiary firms or of its directors/owners or any their relatives' parents, children, brother, sister) should not have any direct or indirect conflict of interest with the procuring agency.
38. In case of any dispute regarding this purchase order/assignment, the same will be resolved between the relevant parties through negotiations. If negotiations shall fail, then matter will be referred to the Arbitrator. The MD, PMDC will act as sole Arbitrator as per Arbitration Act, 1940. Decision/award of Arbitrator will be final and binding on the both parties.
39. The tenderer/supplier shall appoint a representative at the project and furnish his postal address and contact number to PMDC. Any notice to be served on or document to be signed by the contractor shall be either delivered personally or through the representative and in case it is not possible it shall be treated to have delivered if it has been mailed by registered post on the Postal Address of the representative.
40. PMDC Reserved the right to accept or reject the tender of the tenderer at any time without assigning reasons and cannot be challenged in any court of law.
41. The tenderer/supplier will be blacklisted who is found to the tender process by making coercive practices, collusive practices, corrupt practices, fraudulent practices & obstructive practices.
42. I agree to the above terms and conditions and give my acceptance.
43. Checklist of documents to be attached.

Note: For any technical queries, please contact (Project Manager), PMDC Salt Mines Warcha, Phone: 0300-8604072

Signature of tenderer: _____

Name of tenderer: _____



A handwritten signature in black ink, appearing to read "Sajid Hussain".

(Sajid Hussain)
Dy. General Manager (Procurement)
PMDC Head Office, H-9/4, Islamabad
Phone: 051-9265128
E-mail: dgm-pro@pmdc.gov.pk

MATERIAL SPECIFICATIONS/BRANDS TO BE USED

Sr. No.	Item	Brand/Make
1	Bricks	1 st class brick or approved Eqv.
2	Sand	Ravi & Chenab or approved Eqv.
3	Cement	Bestway, Maple or approved Eqv.
4	Tiles	Times/Master or approved Eqv. 12"x24", 24"x24" etc.
5	Paint/Weather shield	Berger or approved Eqv.
6	Aluminum	Alco or approved Eqv. 2.0mm or 1.6mm as per site
7	Glass	Ghani or approved Eqv.
8	Lamination Sheet	ZRK/Patex or approved Eqv.
9	Wood	Kail or approved Eqv.
10	Conduits	Adam Jee or approved Eqv.
11	Wires	Pakistan/Fast Cables
12	Electric Switches/Socketts etc.	TJ or approved Eqv.
13	Breakers	Chint or approved Eqv.
14	Lights	Osaka or approved Eqv.
15	Fans	GFC or approved Eqv.
16	Sanitary Pipes	Minhas, Popular or approved Eqv.
17	Sanitary Fixtures	Faisal or approved Eqv.
18	Commode (Indian & English), Basin	Three Star or approved eqv.
19	False Ceiling	Arish with Aluminum T, channel etc. of CMK or approved eqv.



Check List

Sr. No.	Description	Yes	No																								
1	Original Bid money as per following detail is attached/handed over to the PMDC :- <table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>Lot No.</th><th>Bid Security</th><th>No.</th><th>Dated</th></tr></thead><tbody><tr><td>1.</td><td>Rs.150,000/-</td><td></td><td></td></tr><tr><td>2.</td><td>Rs.200,000/-</td><td></td><td></td></tr><tr><td>3.</td><td>Rs.50,000/-</td><td></td><td></td></tr><tr><td>4</td><td>Rs.75,000/-</td><td></td><td></td></tr><tr><td>5</td><td>Rs.50,000/-</td><td></td><td></td></tr></tbody></table>	Lot No.	Bid Security	No.	Dated	1.	Rs.150,000/-			2.	Rs.200,000/-			3.	Rs.50,000/-			4	Rs.75,000/-			5	Rs.50,000/-				
Lot No.	Bid Security	No.	Dated																								
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2.	Rs.200,000/-																										
3.	Rs.50,000/-																										
4	Rs.75,000/-																										
5	Rs.50,000/-																										
2	List of the construction machinery and equipment available with the tenderer.																										
3	Copy of CNIC and Authority Letter.																										
4	Copy of registration certificate with FBR/relevant authority department.																										
5	Copies of experience certificate, work orders as well as completion/performance certificate not less than 03 years.																										
6	List of technical staff available with the tenderer who will execute/ supervise the work.																										
7	Financial Soundness Proof (Bank Reference or Bank Statement, Audited Report / Accounts).																										
8	Affidavit of No litigation with PMDC.																										
9	Affidavit regarding No dispute with PMDC.																										
10	Affidavit regarding No conflict of interest with PMDC.																										

Tenderer/Bidder Signature



BILL OF QUANTITIES (BOQ)

LOT NO. 01

Construction of Weighment rooms at both weighbridges PMDC Salt Mines, Warcha.

Sr. No.	Description	Unit	Qty	Unit Rate in PKR (inclusive of all taxes)	Total Amount in PKR (inclusive of all taxes)
1	Excavation				
1.1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) etc. complete in all respects as per drawing, standard, specifications and as directed by the Engineer.	Cft	1,600.00		
2	Backfilling				
	Supplying and filling watering and ramming earth under floor with new earth excavated from outside) lead upto one chain (30 m) compaction of earthwork with power road roller, including, ploughing, mixing, moistening earth to optimum moisture content in layers to obtain 95% to 100% maximum modified AASHO dry density. including all lead & lifts etc. complete in all respects as per drawing, standard, specifications and as directed by the Engineer.				
2.1	With surplus earth from foundation, etc. (Earth for backfilling from excavation)	Cft	1,600.00		
2.2	with new earth excavated from outside, lead upto one chain (30 m). Add lead 5KM	Cft	3,100.00		
3	PLAIN CONCRETE WORKS				
	Providing and laying cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) complete in all respects as per drawing, standard, specifications and as directed by the Engineer.				
3.1	Below foundation, plinth beam, situ, walls, tanks, over stone soling or where required (Ratio 1:4:8) (1500 Psi)	Cft	50.00		
4	PROVIDING/LAYING REINFORCED CONCRETE WORKS				



	Reinforced cement concrete in roof slab, beams, columns, lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
4.1	Lintel 3000 Psi	Cft	25.00		
4.2	Slabs 3000 Psi	Cft	350.00		
5	STEEL REINFORCEMENT				
	Providing, supplying, cutting, fabrication of mild steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) etc. complete in all respects as per drawing, standard, specifications and as directed by the Engineer. (Bars to be cut and placed in position at any level according to the Bar bending schedule prepared by the contractor and approved by the Engineer).				
5.1	Deformed bars (Grade-60)	Kg	780.00		
6	Dismantling Slab and wall				
6.1	Dismantling of existing RCC slab and brick masonry walls, complete in all respects, including cutting, breaking and removing of concrete and masonry using manual/mechanical means, lowering down the dismantled material, segregation of reusable and waste material, loading, transportation and disposal of debris / waste material to approved dumping area, as directed by the Engineer, including all labour, tools, plant, safety arrangements, protection of adjacent structures and cleaning of site, complete	Job	1.00		
7	Providing/laying Brick / stone masonry				
7.1	Pacca brick work in foundation and plinth in:-Cement, sand mortar:- Ratio 1:5	Cft	915.00		
7.2	Pacca brick work in ground floor: i) cement, sand mortar:- Ratio 1:4	Cft	1,700.00		
8	Providing/laying Flooring				
	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):-including cost of carriage at site				
8.1	Ratio 1: 4: 8	Cft	105.00		



8.2	Providing and laying 3/8" thick Pre polished Marble skirting/risers having uniform texture(spotless)of size 24"x6"of approved quality and shade with adhesive bond over3/4"thick(1:2)cements and mortar complete in all respect i/c the cost of matching sealer to finish the joints as approved and directed by the Engineer Incharge.	Sft	730.00		
9	MS Work				
9.1	Providing and fixing steel Window using MS sheet 16 swg for opanable panalas with gauze 24 SWG mash with glass panals 6mm thick with safty grill etc., and hardware any required, complete in all respect as per Specifications, as approved by The Engineer	sft	80.00		
9.2	Providing and fixing MS door completer with locking arrangment angle iran frame 2"x2"x3/8" complete in all respect as per Specifications, as approved by The Engineer.	Sft	85.00		
10	Title Works				
10.1	Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or aproved equivalent manufacturer of specified size in approved design, Color, size and Shade with adhesive/ bond over 3/4" thick (1:3)cement plaster/ the cost of sealer for finishing the joints/ cutting grinding complete in all respect as approved and directed by the Engineer Incharge.	Sft	184.00		
11	Surface Rendring				
11.1	Providing/Laying Cement plaster ratio 1:3 under soffit of RCC roof slabs only , upto 20' height. 3/8" (10 mm) thick. (ceiling plaster & Wall plaster)	Sft	700.00		
11.2	Providing/Laying Cement plaster 1:4 on internal walls upto 20' (6 m) height, 1/2" (13 mm) thick.	Sft	1,600.00		
11.3	Providing/Laying Cement plaster 1:4 on external walls upto 20' (6 m) height, 3/4" (20 mm) thick.	Sft	1,400.00		
12	Painting and Warnishing				
12.1	Preparing surface and providing/applying emulsion paint:- 1st & 2nd coat inculding	Sft	80.00		
12.2	Preparing surface and providing/applying with emulsion paint:- 1st coat & 2nd coat inculding	Sft	1,450.00		
12.3	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:-New Surface 1st & 2nd coat inculding	Sft	1,375.00		
13	Carpentry And Joinery Works				



13.1	Providing and fixing Cabinets comprising of 3/4" thick Laminated sheet (both sides laminated) for front shutter of approved colour and texture with kail wood frame (3"x1") with laminated hard board back and best quality hardware's (handles, locks, latches, Hinges & screws etc.) with teak wood lipping (1/2"x3/4") all around the leaf fixed on Kail wood frame and polishing / enamel painting, termite proofing including all type of labour, as shown on drawings complete in all respects as per sample approved by The Engineer.(Floor Mounted Cabinet)	Per/Sft	85.00		
14	Entrance, Ramps & Stair Steps				
	Providing and laying Pre-polished Black Granite (supreme quality) one piece slabs laid over 3/4" thick cement sand mortar (1:2) i/c filling joints and washing the tiles with Grout of matching color i/c cutting, leveling, washing, curing and beveling charges on exposed edges, i/c anti-slip treads with carborundum powder and silicon mixture in three rows complete in all respect as per Specifications, and as per sample approved by The Engineer.				
14.1	Podium, Entrance Steps	Per/Sft	225.00		
14.2	Stair Steps	Per/Sft	130.00		
15	Conduits				
	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.				
15.1	25 mm i/d	Rft.	210.00		
	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches:-				
15.2	50 mm i/d	Rft.	24.00		
16	Main L.V. Distribution Boards				
	Supply, Installation, testing & commissioning of following Free Standing / Wall Mounted, totally Enclosed, Cubical type, Low Voltage Panel (LV Panel) with Incoming and Outgoing Circuit Breakers and other components with cable terminations. made with 14/16 SWG sheet metal housing powder coated with approved color, (As per specifications), incoming and outgoing cables. Complete in all respects as per site requirement.				
16.1	FR-LPDB	No.	1.00		
17	Providing/Laying Circuit Point Wiring (Pakistan/Fast Cables)				
	All wiring cables shall be single multi core/ single core, Cu/ PVC, unarmoured, 450V/ 750V grade cable as per specification and drawings, complete in all respect.				



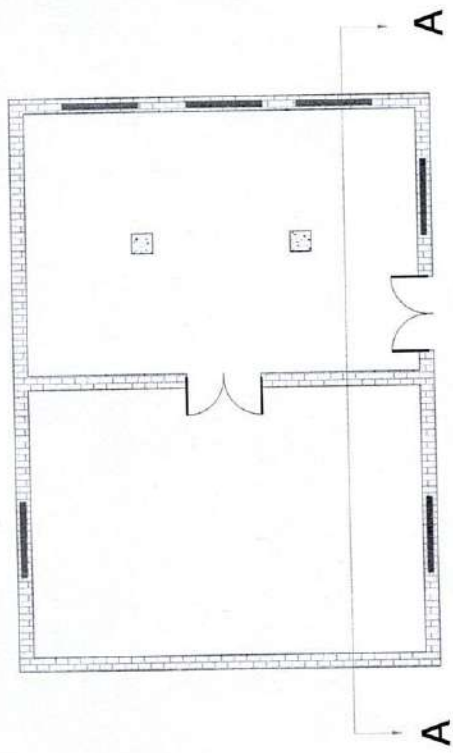
17.1	Circuit wiring from DB,s to switch board with 2 x 2.5 sqmm + ECC 1 x 2.5 mm sq. PVC insulated wires 1-core stranded color coded in pre-laid 25mm dia PVC conduit concealed in ceiling slab and concealed in wall or in pre-laid cable trunking as shown in the drawing.	No.	1.00		
17.2	Wiring for light point from switchboard to light point/ exhaust fan/ wall fan with 2 x 2.5 sq.mm + ECC 1 x 2.5 sqmm PVC insulated wires 1-core stranded color coded in pre-laid 25mm dia PVC conduit concealed in ceiling slab and concealed in wall as shown in the drawing Complete in all respect.	No.	3.00		
17.3	Wiring from light point to light point with 2 x 2.5 sq.mm + ECC 1 x 2.5 sqmm PVC insulated wires 1-core stranded color coded in pre-laid 25mm dia PVC conduit surface on ceiling slab oras shown in the drawing Complete in all respect.	No.	2.00		
17.4	Wiring from DB,s to first 13/ 15A switch socket unit for raw power with 2 x 4 sq.mm + ECC 1 x 4 sqmm, PVC insulated wires 1-core stranded color coded in pre-laid 25mm dia PVC conduit laid under floor, in ceiling slab and concealed in wall as required .	No.	1.00		
17.5	Wiring from first 13/ 15A switch socket unit to 15 switch socket unit for raw power with 2 x4 sq.mm + ECC 1 x 4 sq. mm, PVC insulated wires 1-core stranded color coded in pre laid 25mm dia PVC conduit laid under floor, in ceiling slab and concealed in wall as required .	No.	1.00		
18	Wiring Accessories				
	Supply, installation, testing & commissioning of following 10/13/15/20A, gang type switches, Sockets including 16 SWG Sheet Steel powder coated back Boxes with earth terminal, recessed in wall, with all accessories, as per drawings and specification, complete in all respect.as per specification.				
18.1	Three Gang switch	No.	1.00		
18.2	13A, 3-pin Universal Simplex switch socket outlet	No.	1.00		
18.3	15A, 3-pin switch socket outlet	No.	1.00		
19	Light Fixtures				
	Supply, installation, testing & commissioning of following LED Light fixtures complete with Electronic ballast (unless mention otherwise), lamps, lamp holders,SPD, Earth Protection and mounting accessories etc., as per specification, complete in all respects, as per drawings and specification, complete in all respect. Lighting fixtures sample must be submitted to consultant for approval. PF> 0.9, CRI>80, 120 Lumens/watt. Operating Life 50,000hrs, light color 3000K to 6500K, IEC Certified. Note: Refer light fixtures drawings/Schedule for complete light fixtures details.				
19.1	Smart LED Suspended/ Batten Fitting Light 36 Watt 5000-6500K (IP67/ 65)	No.	2.00		



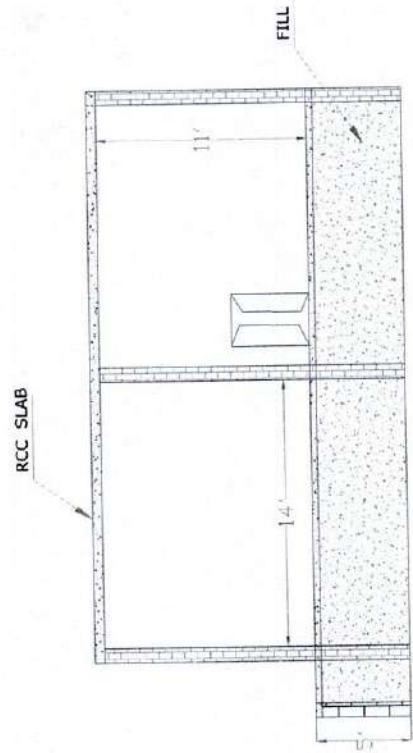
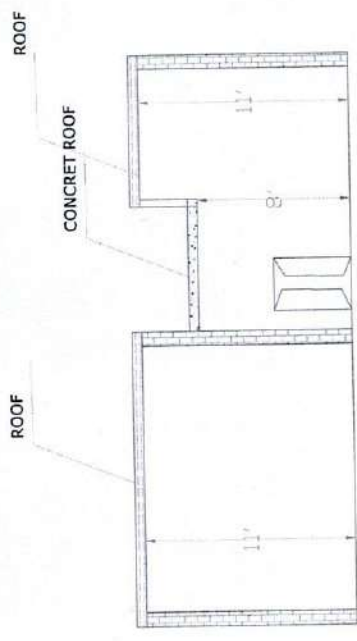
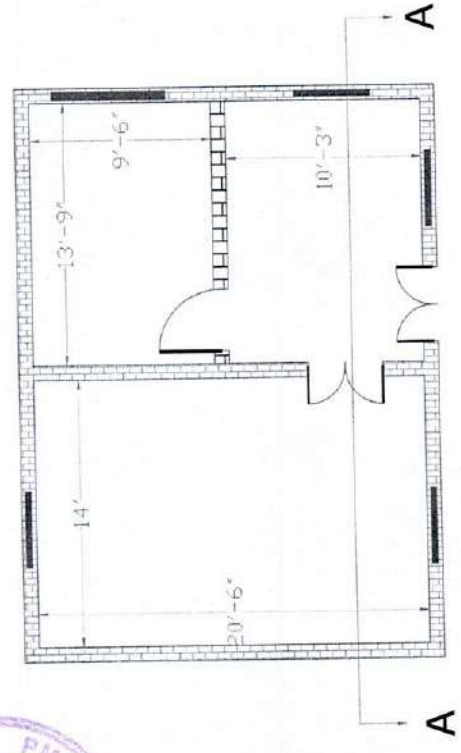
19.2	SMART LED LIGHT WALL/SURFACE MOUNTED 12 WATT	No.	6.00		
20	Fans				
	Supply, Installation and Commissioning of energy efficient Ceiling Fans as per schedule & specifications complete with all hooks/ hanging arrangements. Including all accessories lugs, cable gland etc.				
20.1	Ceiling Fans 56" Energy Star NECCA Approved Design	No.	4.00		
	Supply, Installation and Commissioning of (12") dia Exhaust and Ventilation Fans as per schedule & specifications complete with all fitting arrangements.				
20.2	Exhaust Fan (350 cfm)	No.	1.00		
21	Glass Mirror				
21.1	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	Each	1.00		
21.2	Providing and fixing glass shelf 60x13 cm (24"x5"), with 5mm thick glass with chromium plated brackets and railing.	Each	1.00		
21.3	Providing and fixing chromium plated bottle trap with waste pipe, etc. complete, 4 cm (1½")	Each	1.00		
21.4	Providing and fixing, chromium plated towel rail, 60 cm (24") long, and 2 cm (¾") dia	Each	1.00		
22	Sanitary Fixtures				
22.1	Supply and installation of floor mounted Western Water Closet with 6L/Flush including Perennial Spray, valves, Traps & all other required fittings & Accessories to complete the work, as per the Drawings, Specifications and Standards & for aesthetic details, types and size follow architectural drawings and specifications	No.	1.00		
22.2	Providing supplying jointing testing and commissioning of complete plumbing work with all pipes, fitting ,fixtures and accessories complete as directed by the Engineer.	job	1.00		
G. Total of Lot No.01 in PKR (inclusive of all taxes) ----					
Construction of Weighment Bridge Room at PMDC Salt Mine Warcha					



EXISTING BUILDING



PROPOSED BUILDING



Drawn by	Checked by	Approved by	Date	Scale
11/2/20	11/2/20	11/2/20	24/02/21	1:1
Project Name			Project No.	
WEIGH BRIDGE BUILDING			030M003585	
Project Location			Sheet No.	
PMDC WARCHA			14	

BILL OF QUANTITIES LOT NO. 02

Construction of Jansukh Mines Site Office at PMDC Salt Mines, Warcha.

Sr. No.	Description	Unit	Qty	Unit Rate in PKR (inclusive of all taxes)	Total Amount in PKR (inclusive of all taxes)
1	Excavation				
1.1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) etc. complete in all respects as per drawing, standard , specifications and as directed by the Engineer.	Cft	2,340.00		
2	Backfilling				
	Supplying and filling watering and ramming earth under floor with new earth excavated from outside) lead upto one chain (30 m) compaction of earthwork with power road roller, including, ploughing, mixing, moistening earth to optimum moisture content in layers to obtain 95% to 100% maximum modified AASHO dry density. including all lead & lifts etc. complete in all respects as per drawing, standard , specifications and as directed by the Engineer.				
2.1	With surplus earth from foundation, etc. (Earth for backfilling from excavation)	Cft	2,340.00		
2.2	with new earth excavated from outside, lead upto one chain (30 m). Add lead 5KM	Cft	4,500.00		
3	PLAIN CONCRETE WORKS				
	Providing and laying cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) complete in all respects as per drawing, standard, specifications and as directed by the Engineer.				
3.1	Below foundation, plinth beam,situ,walls,tanks, over stone soling or where required (Ratio 1:4:8) (1500 Psi)	Cft	155.00		
4	REINFORCED CONCRETE WORKS				
	Providing/Laying Reinforced cement concrete in roof slab,beams,columns lintels,girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
4.1	Lintel 3000 Psi	Cft	85.00		



4.2	Slabs 3000 Psi	Cft	350.00		
5	OHWT slabs 3000 Psi				
5.1	OHWT Beam ,Slabs 3000 Psi	Cft	304.00		
5.1	Over Head water Tank/Parapit wall 3000 Psi	Cft	130.00		
5.3	Supply and fitting of cast iron Manhole cover with frame, etc complete	No.s	2.00		
6	STEEL REINFORCEMENT				
	Providing, supplying, cutting, fabrication of mild steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) etc. complete in all respects as per drawing, standard, specifications and as directed by the Engineer. (Bars to be cut and placed in position at any level according to the Bar bending schedule prepared by the contractor and approved by the Engineer).				
6.1	Deformed bars (Grade-60)	Kg	780.00		
7	Providing/Laying Brick / stone masonry				
7.1	Pacca brick work in foundation and plinth in:-Cement, sand mortar:- Ratio 1:5	Cft	700.00		
7.2	Pacca brick work in ground floor: i) cement, sand mortar:- Ratio 1:4	Cft	1,400.00		
8	Providing/Laying Flooring				
	Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):-including cost of carriage at site				
8.1	Ratio 1: 4: 8	Cft	80.00		
8.2	Providing and laying 3/8" thick Prepolished Marble skirting/ risers having uniform texture (spotless) of size 24"x6" of approved quality and shade with adhesive bond over 3/4" thick (1:2)cement sand mortar complete in all respect i/c the cost of matching sealer to finish the joints as approved and directed by the Engineer Incharge.	Sft	350.00		
8.3	Providing and laying superb quality Porcelain glazed tiles flooring of Master/ Stile brand or approved equivalent manufacturer of specified size in approved design, Color and Shade with adhesive/ bond over 3/4" thick(1:3)cement plaster/ the cost of sealer for finishing the joints i/c cutting grinding complete in all respect as approved and directed by the Engineer Incharge.	Sft	184.00		
9	Wood Work				



	Providing and fixing 1st class solid wood wrought joinery in panelled or panelled and glazed doors and windows of specified thickness with 1" thick solid wood panels with step and 1-1/2" x 2-1/2" beadings all around the panels i/c the cost of Tower bolt and handles complete in all respect (Excluding the cost of sliding bolt, lock and chowkats (frame), etc.) as approved and directed by the Engineer Incharge				
9.1	1-1/2" thick (40 mm)	Sft	55.00		
10	Surface Rending -- Providing/Laying Plaster				
10.1	Cement plaster ratio 1:3 under soffit of RCC roof slabs only , upto 20' height. 3/8" (10 mm) thick. (ceiling plaster & Wall plaster)	Sft	441.00		
10.2	Cement plaster 1:4 on internal walls upto 20' (6 m) height, 1/2" (13 mm) thick.	Sft	950.00		
10.3	Cement plaster 1:4 on external walls upto 20' (6 m) height, 3/4" (20 mm) thick.	Sft	1,210.00		
11	Painting and Warnishing				
11.1	Preparing surface and providing/applying emulsion paint:- 1st & 2nd coat inculding	Sft	150.00		
11.2	Preparing surface and providing/applying emulsion paint:- 1st coat & 2nd coat inculding	Sft	1,700.00		
11.3	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:-New Surface 1st & 2nd coat inculding	Sft	1,700.00		
12	Aluminium Work				
12.1	Providing and fixing double glazed aluminium windows of approved colour / deisgn, partly fixed and party sliding / openable, using deluxe section of approved manufacturer, having frame of 2mm thick and leaf frame of approved wide sections including the cost of (8mm (tinted)+12mm space with +6mm) thick glass (all glass should be tempered) with aluminium triangular gola and rubber gasket to support the glass and leaf edging, using approved standard fittings, locks, handles, fly proof mesh panel etc., and hardware any required, complete in all respect as per Specifications, as approved by The Engineer.(2 mm thick)	Per/Sft	16.00		
13	Ceiling Works				



13.1	Providing and fixing POP (Plastic of Paris) False Ceiling, including G.I. Wire and G.I. screw hanging system making of design pattern/grooves as shown on drawing and filling of joints, cover with min. 3" wide fabric tape followed with filling and sanding till smooth and flush and applying approved paint; complete in all respect as per drawing, specification and as directed by The Engineer.	Per/Sft	415.00		
14	Carpentry And Joinery Works				
14.1	Providing and fixing Cabinets comprising of 3/4" thick Laminated sheet (both sides laminated) for front shutter of approved colour and texture with kail wood frame (3"x1") with laminated hard board back and best quality hardware's (handles, locks, latches, Hinges & screws etc.) with teak wood lipping (1/2"x3/4") all around the leaf fixed on Kail wood frame and polishing / enamel painting, termite proofing including all type of labour, as shown on drawings complete in all respects as per sample approved by The Engineer.(Floor Mounted Cabinet)	Per/Sft	170.00		
15	Waterproofing on Roof				
15.1	Providing and laying complete Roof Treatment at any floor and any height, details consisting of following: 1)-2-NO, Separation Sheet (Polythene) (500 Gauge) 2)-4" Th. P.C.C 1:2:4 Concrete Screed, with soil add. 3)-12" x 12" x1" Conc. Tiles (Fixed with C.S. Mortar (1:3) 4) - Metal Flashing. as shown on the drawings Complete in all respects, as approved by The Engineer. (Roof Water Proofing)	Per/Sft	915.00		
16	Conduits & Pipes				
	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.				
16.1	25 mm i/d	Rft.	105.00		
	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches:-				
16.2	50 mm i/d	Rft.	12.00		
17	Main L.V. Distribution Boards				



	Supply, Installation, testing & commissioning of following Free Standing / Wall Mounted, totally Enclosed, Cubical type, Low Voltage Panel (LV Panel) with Incoming and Outgoing Circuit Breakers and other components with cable terminations. made with 14/16 SWG sheet metal housing powder coated with approved color, (As per specifications), incoming and outgoing cables, Complete in all respects as per site requirement.				
17.1	FR-LPDB	No.	1.00		
18	Providing/Laying Circuit Point Wiring (Pakistan/Fast Cables)				
18.1	All wiring cables shall be single multi core/ single core, Cu/ PVC, unarmoured, 450V/ 750V grade cable as per specification and drawings, complete in all respect.				
18.2	Circuit wiring from DB,s to switch board with 2 x 2.5 sqmm + ECC 1 x 2.5 mm sq. PVC insulated wires 1-core stranded color coded in pre-laid 25mm dia PVC conduit concealed in ceiling slab and concealed in wall or in pre-laid cable trunking as shown in the drawing.	No.	1.00		
18.3	Wiring for light point from switchboard to light point/ exhaust fan/ wall fan with 2 x 2.5 sq.mm + ECC 1 x 2.5 sqmm PVC insulated wires 1-core stranded color coded in pre-laid 25mm dia PVC conduit concealed in ceiling slab and concealed in wall as shown in the drawing Complete in all respect.	No.	3.00		
18.4	Wiring from light point to light point with 2 x 2.5 sq.mm + ECC 1 x 2.5 sqmm PVC insulated wires 1-core stranded color coded in pre-laid 25mm dia PVC conduit surface on ceiling slab or as shown in the drawing Complete in all respect.	No.	2.00		
18.5	Wiring from DB,s to first 13/ 15A switch socket unit for raw power with 2 x 4 sq.mm + ECC 1 x 4 sqmm, PVC insulated wires 1-core stranded color coded in pre-laid 25mm dia PVC conduit laid under floor, in ceiling slab and concealed in wall as required .	No.	1.00		
18.6	Wiring from first 13/ 15A switch socket unit to 15 switch socket unit for raw power with 2 x 4 sq.mm + ECC 1 x 4 sq. mm, PVC insulated wires 1-core stranded color coded in pre-laid 25mm dia PVC conduit laid under floor, in ceiling slab and concealed in wall as required .	No.	1.00		
19	Wiring Accessories				

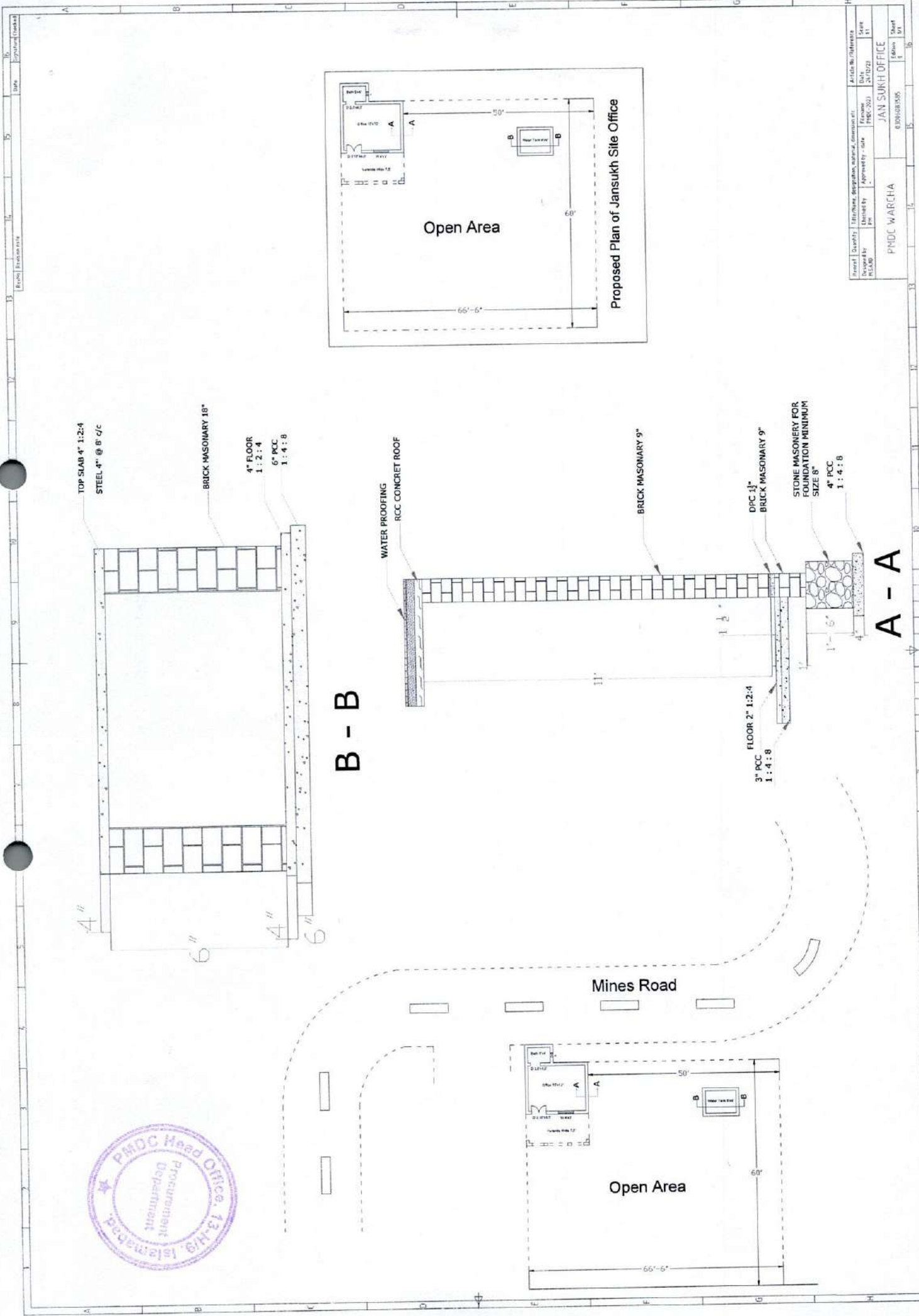


19.1	Supply, installation, testing & commissioning of following 10/13/15/20A, gang type switches, Sockets including 16 SWG Sheet Steel powder coated back Boxes with earth terminal, recessed in wall, with all accessories, as per drawings and specification, complete in all respect.as per specification.				
19.2	Three Gang switch	No.	1.00		
19.3	13A, 3-pin Universal Simplex switch socket outlet	No.	1.00		
19.4	15A, 3-pin switch socket outlet	No.	1.00		
20	Light Fixtures				
20.1	Supply, installation, testing & commissioning of following LED Light fixtures complete with Electronic ballast (unless mention otherwise), lamps, lamp holders, SPD, Earth Protection and mounting accessories etc., as per specification, complete in all respects, as per drawings and specification, complete in all respect. Lighting fixtures sample must be submitted to consultant for approval. PF> 0.9, CRI>80, 120 Lumens/watt. Operating Life 50,000hrs, light color 3000K to 6500K, IEC Certified. Note: Refer light fixtures drawings/Schedule for complete light fixtures details.				
20.2	Smart LED Suspended/ Batten Fitting Light 36 Watt 5000 6500K (IP67/ 65)	No.	2.00		
20.3	SMART LED LIGHT WALL/SURFACE MOUNTED 12 WATT	No.	6.00		
21	Fans				
21.1	Supply, Installation and Commissioning of energy efficient Ceiling Fans as per schedule & specifications complete with all hooks/ hanging arrangements. Including all accessories lugs, cable gland etc.				
21.2	Ceiling Fans 56" Energy Star NECCA Approved Design	No.	2.00		
	Supply, Installation and Commissioning of (12") dia Exhaust and Ventilation Fans as per schedule & specifications complete with all fitting arrangements.				
21.3	Exhaust Fan (350 cfm)	No.	1.00		
22	Glass Mirror				
22.1	Providing and fixing looking glass 55x40 cm (22"x16") size, and 5 mm thick, first quality.	Each	1.00		
22.2	Providing and fixing glass shelf 60x13 cm (24"x5"), with 5mm thick glass with chromium plated brackets and railing.	Each	1.00		
23	Washroom Accessories				
23.1	Providing and fixing chromium plated bottle trap with waste pipe, etc. complete, 4 cm (1½")	Each	1.00		



23.2	Providing and fixing, chromium plated towel rail, 60 cm (24") long, and 2 cm (3/4") dia	Each	1.00		
24	Sanitary Fixtures				
24.1	Supply and installation of floor mounted Western Water Closet with 6L/Flush including Perennial Spray, valves, Traps & all other required fittings & Accessories to complete the work, as per the Drawings, Specifications and Standards & for aesthetic details, types and size follow architectural drawings and specifications	No.	1.00		
24.2	Providing suppling jointing testing and commissioning of complete plumbing work with all pipes, fitting ,fixtures and accessories complete as directed by the Engineer.	job	1.00		
G. Total of Lot No.02 in PKR (inclusive of all taxes) ----					
Construction of Jansukh Mines Site Office at PMDC Salt Mines, Warcha.					





TOP SLAB 4" 1:2:4
STEEL 4" @ 8' c/c

BRICK MASONRY 18"

4" FLOOR
1:2:4
6" PCC
1:4:8

WATER PROOFING
RCC CONCRETE ROOF

BRICK MASONRY 9"

DPC 1 1/2"
BRICK MASONRY 9"

STONE MASONRY FOR
FOUNDATION MINIMUM
SIZE 8"
4" PCC
1:4:8

FLOOR 2" 1:2:4
3" PCC
1:4:8



Project Name	Jansukh Site Office	Scale	1:1
Drawn by	JAN SUKH OFFICE	Date	24/02/23
Checked by	JAN SUKH OFFICE	Project No.	
Approved by	JAN SUKH OFFICE	Sheet No.	1
Project No.	020408/2023	Revision	01
Drawn by	JAN SUKH OFFICE	Scale	1:1
Checked by	JAN SUKH OFFICE	Date	24/02/23
Approved by	JAN SUKH OFFICE	Project No.	
Project Name	Jansukh Site Office	Scale	1:1

BILL OF QUANTITIES (BOQ)

LOT NO.03

Construction/Provision of Washing and Sterilization Area/Room at PMDC Salt Mines, Warcha.

Sr. No.	Description	Unit	Qty	Unit Rate in PKR inclusive of all taxes (Rs.)	Total Amount in PKR inclusive of all taxes (Rs.)
1	Excavation				
1.1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) etc. complete in all respects as per drawing, standard , specifications and as directed by the Engineer.	Cft	700		
2	Backfilling				
	Supplying and filling watering and ramming earth under floor with new earth excavated from outside) lead upto one chain (30 m) compaction of earthwork with power road roller, including, ploughing, mixing, moistening earth to optimum moisture content in layers to obtain 95% to 100% maximum modified AASHO dry density. including all lead & lifts etc. complete in all respects as per drawing, standard , specifications and as directed by the Engineer.				
2.1	With surplus earth from foundation, etc. (Earth for backfilling from excavation)	Cft	700		
3	PLAIN CONCRETE WORKS				
	Providing and laying cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) complete in all respects as per drawing, standard, specifications and as directed by the Engineer.				
3.1	Below foundation, plinth beam,situ,walls,tanks, over stone soling or where required (Ratio 1:4:8) (1500 Psi)	Cft	30		
4	REINFORCED CONCRETE WORKS				

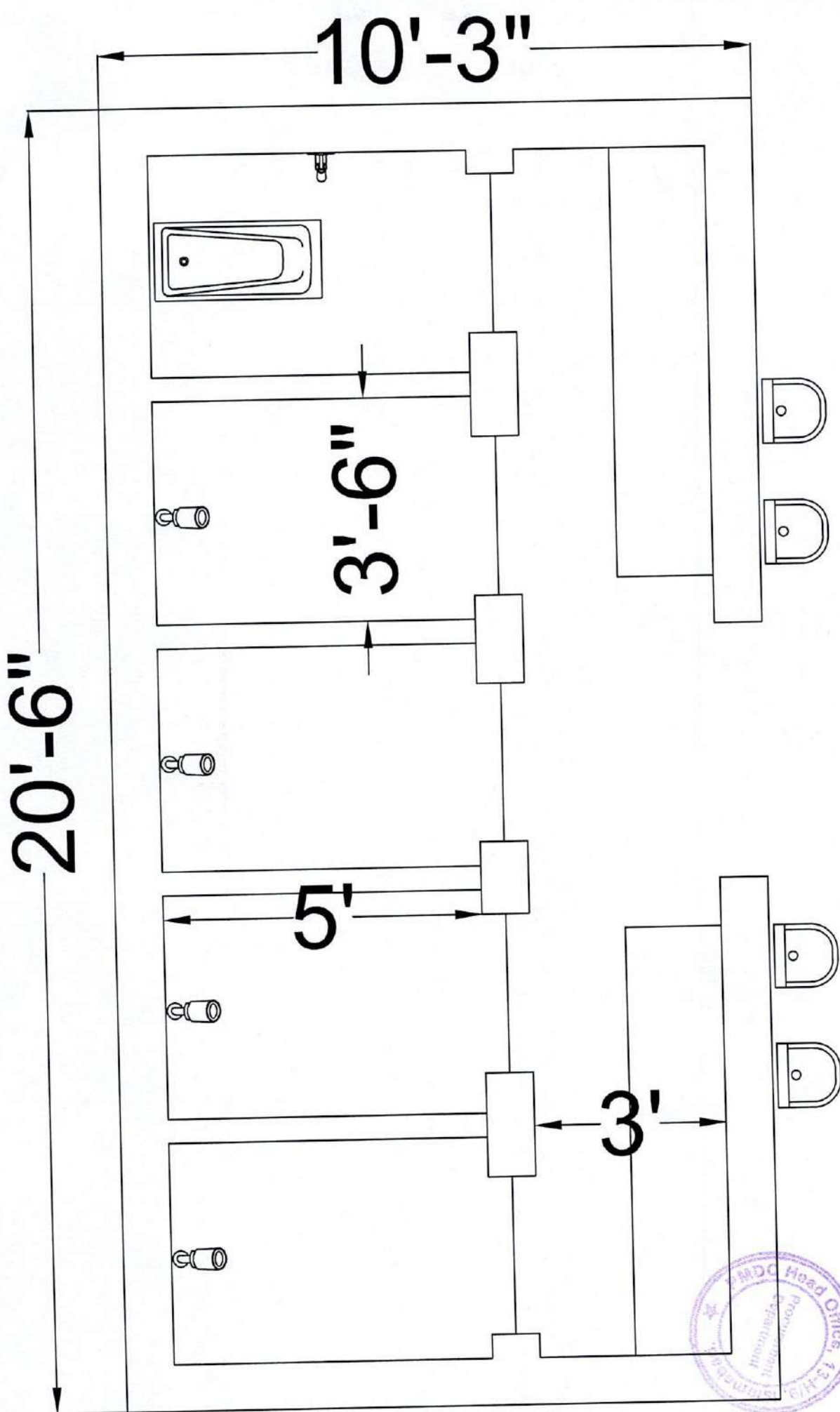


	Reinforced cement concrete in roof slab, beams, columns, lintels, girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
4.1	Slabs 3000 Psi	Cft	90		
5	STEEL REINFORCEMENT				
	Providing, supplying, cutting, fabrication of mild steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) etc. complete in all respects as per drawing, standard, specifications and as directed by the Engineer. (Bars to be cut and placed in position at any level according to the Bar bending schedule prepared by the contractor and approved by the Engineer).				
5.1	Deformed bars (Grade-60)	Kg	180		
6	Providing/Laying Brick / stone masonry				
6.1	Pacca brick work in foundation and plinth in:- Cement, sand mortar:- Ratio 1:5	Cft	700		
6.2	Pacca brick work in ground floor: i) cement, sand mortar:- Ratio 1:4	Cft	1,000		
7	Flooring				
	Providing/Laying Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate): including cost of carriage at site				
7.1	Ratio 1: 4: 8	Cft	60		
8	Surface Rendering -- Providing/Laying Plaster				
8.1	Cement plaster ratio 1:3 under soffit of RCC roof slabs only, upto 20' height. 3/8" (10 mm) thick. (ceiling plaster & Wall plaster)	Sft	210		
8.2	Cement plaster 1:4 on internal walls upto 20' (6 m) height, 1/2" (13 mm) thick.	Sft	1,200		
8.3	Cement plaster 1:4 on external walls upto 20' (6 m) height, 3/4" (20 mm) thick.	Sft	800		
9	Painting and Warnishing				
9.1	Preparing surface and providing/Laying emulsion paint:- 1st coat & 2nd coat including	Sft	1,400		



9.2	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:-New Surface 1st & 2nd coat including	Sft	800		
10	UPVC Door				
10.1	Providing and fixing UPVC door complete in all respect as per Specifications, as approved by The Engineer.	Sft	90		
11	Wiring Accessories and Light Fixtures				
11.1	Complete electrical wiring and installation works including light fixtures, switches, sockets, conduits, DB, testing and commissioning, complete	Job	1		
12	Plumbing (Fixtures)				
12.1	Providing suppling jointing testing and commissioning of complete plumbing work with all pipes, fitting ,fixtures and accessories complete as directed by the Engineer.	job	6		
G. Total of Lot No.03 in PKR (inclusive of all taxes) ----					
Construction/Provision of Washing and Sterilization Area/Room at PMDC Salt Mines, Warcha.					





BILL OF QUANTITIES (BOQ)**LOT NO.04****Construction of water filtration room at PMDC Salt Mines, Warcha.**

Sr. No.	Description	Unit	Qty	Unit Rate in PKR (inclusive of all taxes) (Rs.)	Total Amount in PKR (inclusive of all taxes) (Rs.)
1	Excavation				
1.1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) etc. complete in all respects as per drawing, standard, specifications and as directed by the Engineer.	Cft	731.00		
2	Backfilling				
	Supplying and filling watering and ramming earth under floor with new earth excavated from outside) lead upto one chain (30 m) compaction of earthwork with power road roller, including, ploughing, mixing, moistening earth to optimum moisture content in layers to obtain 95% to 100% maximum modified AASHO dry density. including all lead & lifts etc. complete in all respects as per drawing, standard, specifications and as directed by the Engineer.				
2.1	With surplus earth from foundation, etc. (Earth for backfilling from excavation)	Cft	183.00		
3	PLAIN CONCRETE WORKS				
	Providing and laying cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) complete in all respects as per drawing, standard, specifications and as directed by the Engineer.				
3.1	Below foundation, plinth beam, situ, walls, tanks, over stone soling or where required (Ratio 1:4:8) (1500 Psi)	Cft	72.00		
4	REINFORCED CONCRETE WORKS				
	Providing and laying reinforced cement concrete (including prestressed concrete), using coarse sand and screened graded and washed aggregate, in required shape and design including forms, molds, shuttering, lifting, compacting curing, rendering and finishing exposed surface, complete (but excluding the cost of steel reinforcement, its fabrication and placing in position etc. complete in all respects as per drawing, standard, specifications and as directed by the Engineer.				
4.1	Lintel 3000 Psi	Cft	37.00		
5	STEEL REINFORCEMENT				



BILL OF QUANTITIES (BOQ)**LOT NO.04****Construction of water filtration room at PMDC Salt Mines, Warcha.**

Sr. No.	Description	Unit	Qty	Unit Rate in PKR (inclusive of all taxes) (Rs.)	Total Amount in PKR (inclusive of all taxes) (Rs.)
	Providing, supplying, cutting, fabrication of mild steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fastenings, including cost of binding wire and labour charges for binding of steel reinforcement (also includes removal of rust from bars) etc. complete in all respects as per drawing, standard, specifications and as directed by the Engineer. (Bars to be cut and placed in position at any level according to the Bar bending schedule prepared by the contractor and approved by the Engineer).				
5.1	Deformed bars (Grade-60)	Kg	70.00		
6	Precast Concrete Slab				
6.1	Providing manufacturing transporting and fixing precast reinforced slab of approved thickness and size, including casting in approved yard, reinforcement lifting, placing in position, joint filling etc and all related works complete as directed by the engineer.	job	1.00		
7	Providing/Laying Brick / Block Work				
7.1	Pacca brick work in foundation and plinth in:-Cement, sand mortar:-Ratio 1:5	Cft	400.00		
7.2	Pacca brick work in ground floor: i) cement, sand mortar:- Ratio 1:4	Cft	700.00		
8	Flooring				
8.1	Providing/Laying Cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate):-including cost of carriage at site Ratio 1: 4: 8	Cft	50.00		
8.2	Providing, laying, watering and ramming brick ballast 1½ to 2" (40 mm to 50 mm) gauge mixed with 25 % sand, for floor foundation, complete in all respects	Cft	50.00		
8.3	Providing and laying floor of mosaic marble chips tiles 1" (25 mm) thick of approved quality and shade, laid in white cement and pigment, over ¾" (20 mm) thick bedding of cement sand mortar 1:2, including finishing and polishing, complete.	Sft	100.00		
9	Surface Rendering -- Providing/Laying Plaster				
9.1	Cement plaster 1:4 on internal walls upto 20' (6 m) height, 1/2" (13 mm) thick.	Sft	1,300.00		
9.2	Cement plaster 1:4 on external walls upto 20' (6 m) height, 3/4" (20 mm) thick.	Sft	1,200.00		



BILL OF QUANTITIES (BOQ)**LOT NO.04****Construction of water filtration room at PMDC Salt Mines, Warcha.**

Sr. No.	Description	Unit	Qty	Unit Rate in PKR (inclusive of all taxes) (Rs.)	Total Amount in PKR (inclusive of all taxes) (Rs.)
10	Painting and Warnishing				
10.1	Preparing surface and providing/applying emulsion paint:- 1st & 2nd coat including	Sft	60.00		
10.2	Preparing surface and painting providing/applying emulsion paint:- 1st coat & 2nd coat including	Sft	735.00		
10.3	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:-New Surface 1st & 2nd coat including	Sft	800.00		
11	Steel and Iron Works				
11.1	Providing and fixing M.S Louver Doors, comprising of 16 swg sheet pressed in approved design with metal louvers at suitable distance, as shown on drawings including steel frame (chowkat) with locking arrangement i/c all necessary joinery detail and applying 3-coat of enamel paint over base coat of red oxide and 6 No. holdfast, with necessary handles, butt hinges, tower bolts, sliding bolts etc. complete as approved by The Engineer.	Per/Sft	45.00		
11.2	Providing, fabricating and fixing MS Louvered windows consisting of 2" x 4", 14 SWG MS pipe, 16 SWG MS Louvers as per drawings, MS pipe 2" x 2" 14 SWG for chawkhat frame, Complete with all necessary joinery detail and applying approved fire proof paint and 6 No. holdfast with necessary handles, hinges, tower bolts, sliding bolts etc. complete as approved by The Engineer.	Per/Sft	16.00		
12	Dado Tile				
12.1	Providing and laying, jointing etc. 4 ft high Tile of approved size/color/texture Fixing etc. complete in all respect as per Specifications, and as per sample approved by The Engineer.	Per/Rft	60.00		
13	Waterproofing on Roof				
13.1	Providing and laying complete Roof Treatment at any floor and any height as shown in the drawing, details consisting of following: 1)-2-NO, Separation Sheet (Polythene) (500 Gauge) 3)-2" Th. Soil 3)-2" Th. P.C.C 1:2:4 Concrete Screed, with Wire Mesh. 4)-12" x 12" x 1" Conc. Tiles (Fixed with C.S. Mortar (1:3) as shown on the drawings Complete in all respects, as approved by The Engineer. (Roof Water Proofing)	Job	1.00		



ANNEX - D

BILL OF QUANTITIES (BOQ)

LOT NO.04

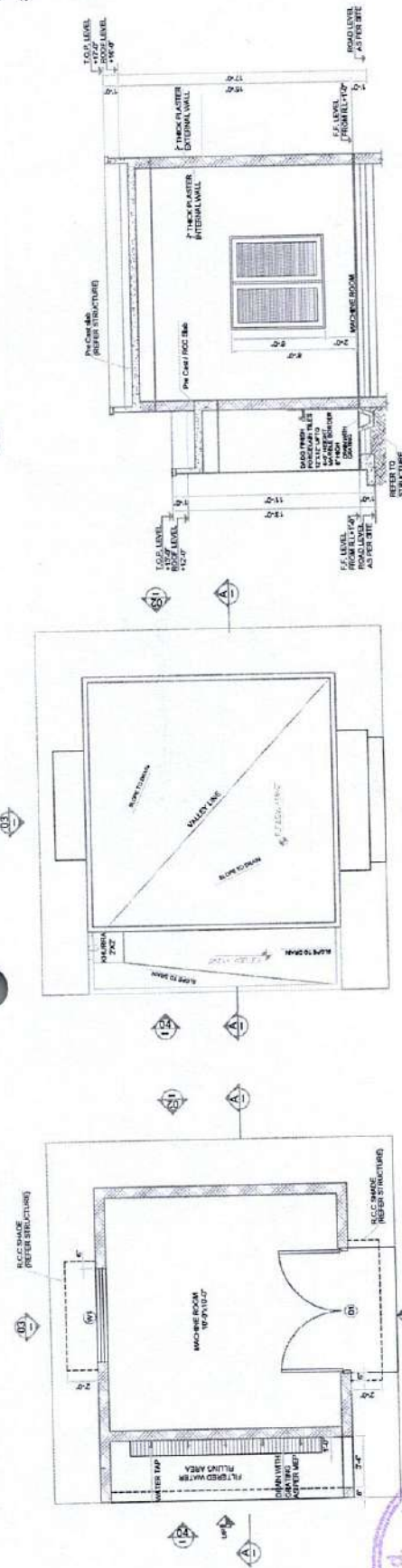
Construction of water filtration room at PMDC Salt Mines, Warcha.

Sr. No.	Description	Unit	Qty	Unit Rate in PKR (inclusive of all taxes) (Rs.)	Total Amount in PKR (inclusive of all taxes) (Rs.)
14	Wiring Accessories and Light Fixtures				
14.1	Complete electrical wiring and installation works including light fixtures, Fan, switches, sockets, conduits, DB, testing and commissioning, complete	Job	1.00		
15	Plumbing				
15.1	Providing supplying jointing testing and commissioning of complete plumbing work with all pipes, fitting, tap, fixtures and accessories complete as directed by the Engineer.	job	1.00		
15.2	Providing supplying installing testing & commissioning of 2500 to 3000 Lit per hour water filtration plant complete in all respects.	job	1.00		
G. Total of Lot No.04 in PKR (inclusive of all taxes) ---- Construction of water filtration room at PMDC Salt Mines, Warcha.					



NOTES:

- 1- READ THE DRAWING IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS.
- 2- ALL STRUCTURAL DETAILS REFER TO STRUCTURE DRAWINGS.



01 GROUND FLOOR PLAN
Scale: 3/16"=1'-0"

02 ROOF PLAN
Scale: 3/16"=1'-0"



03 ELEVATION
Scale: 3/16"=1'-0"

04 ELEVATION
Scale: 3/16"=1'-0"

FILTRATION PLANT LAYOUT PLAN & SECTION (FOR OFFICE AREA)



AS SHOWN

BILL OF QUANTITIES (BOQ)**LOT NO.05****Construction of First Aid Room at PMDC Salt Mines, Warcha**

Sr. No.	Description	Unit	Qty	Unit Rate in PKR inclusive of all taxes	Total Amount in PKR inclusive of all taxes
1	Excavation				
1.1	Excavation in foundation of building, bridges and other structures, including dagbelling, dressing, refilling around structure with excavated earth, watering and ramming lead upto one chain (30 m) and lift upto 5 ft. (1.5 m) etc. complete in all respects as per drawing, standard , specifications and as directed by the Engineer.	Cft	740.00		
2	Backfilling				
	Supplying and filling watering and ramming earth under floor with new earth excavated from outside) lead upto one chain (30 m) compaction of earthwork with power road roller, including, ploughing, mixing, moistening earth to optimum moisture content in layers to obtain 95% to 100% maximum modified AASHO dry density. including all lead & lifts etc. complete in all respects as per drawing, standard , specifications and as directed by the Engineer.				
2.1	With surplus earth from foundation, etc. (Earth for backfilling from excavation)	Cft	740.00		
3	PLAIN CONCRETE WORKS				
	Providing and laying cement concrete plain including placing, compacting, finishing and curing complete (including screening and washing of stone aggregate) complete in all respects as per drawing, standard, specifications and as directed by the Engineer.				
3.1	Below foundation, plinth beam,situ,walls,tanks, over stone soling or where required (Ratio 1:4:8) (1500 Psi)	Cft	35.00		
4	PROVIDING/LAYING REINFORCED CONCRETE WORKS				
	Reinforced cement concrete in roof slab,beams,columns lintels,girders and other structural members laid in situ or precast laid in position, or prestressed members cast in situ, complete in all respects:-				
4.1	Lintel 3000 Psi	Cft	29.00		



5	Precast Concrete Slab				
5.1	Providing manufacturing transporting and fixing precast reinforced slab of approved thickness and size ,inculding casting in approved yard ,reinforcement lifting ,placing in position ,joint filling etc and all related works complete as directed by the engineer.	job	1.00		
6	Brick / stone masnary -- Providing/Laying				
6.1	Pacca stone masnary in foundation and plinth etc	Cft	1,500.00		
6.2	Pacca brick work in ground floor: cement, sand mortar:- Ratio 1:4	Cft	950.00		
7	Flooring				
	Providing and laying Cement concrete plain including placing, compacting , finishing and curing complete (including screening and washing of stone aggregate):- including cost of carriage at site				
7.1	Ratio 1: 4: 8	Cft	70.00		
7.2	Providing and laying floor of mosaic marble chips tiles 1"(25 mm) thick with tile skirting of approved quality and shade, laid in white cement and pigment, over ¾"(20 mm) thick bedding of cement sand mortar 1:2, including finishing and polishing, complete.	Sft	500.00		
8	MS Work				
8.1	Providing and fixing steel Window using MS sheet 16 swg for opanable panalas with gauze 24 SWG mash with glass panals 6mm thick with safty grill etc., and hardware any required, complete in all respect as per Specifications, as approved by The Engineer	sft	40.00		
8.2	Providing and fixing MS door completer with locking arrangement angle iran frame 2"x2"x3/8" complete in all respect as per Specifications, as approved by The Engineer.	Sft	70.00		
9	Surface Rendring -- Providing/Laying Plaster				
9.1	Cement plaster ratio 1:3 under soffit of RCC roof slabs only , upto 20' height. 3/8" (10 mm) thick. (ceiling plaster & Wall plaster)	Sft	210.00		
9.2	Cement plaster 1:4 on internal walls upto 20' (6 m) height, 1/2" (13 mm) thick.	Sft	950.00		
9.3	Cement plaster 1:4 on external walls upto 20' (6 m) height, 3/4" (20 mm) thick.	Sft	950.00		
10	Painting and Warnishing				
10.1	Preparing surface and providing/applying emulsion paint:- 1st & 2nd coat inculding	Sft	133.00		
10.2	Preparing surface and providing/applying emulsion paint:- 1st coat & 2nd coat inculding	Sft	950.00		



10.3	Providing and applying weather shield paint of approved quality on external surface of building including preparation of surface, application of primer complete in all respect:-New Surface 1st & 2nd coat including	Sft	950.00		
11	Conduits & Pipes				
	Supply and erection of PVC pipe for wiring recessed in walls, including inspection boxes, pull boxes, hooks, cutting jharries, and repairing surface, etc., complete with all specials.				
11.1	25 mm i/d	Rft.	95.00		
	Supply and erection PVC pipe for recessed wiring (main and sub-main) purpose, including bends, specials, etc. in floor, wall or trenches:-				
11.2	50 mm i/d	Rft.	12.00		
12	Main L.V. Distribution Boards				
	Supply, installation, testing & commissioning of following Free Standing / Wall Mounted, totally Enclosed, Cubical type, Low Voltage Panel (LV Panel) with Incoming and Outgoing Circuit Breakers and other components with cable terminations. made with 14/16 SWG sheet metal housing powder coated with approved color, (As per specifications), incoming and outgoing cables, as per drawing. Complete in all respects as per site requirement.				
12.1	FR-LPDB	No.	1.00		
13	Providing/Laying Circuit Point Wiring (Pakistan/Fast Cables)				
13.1	All wiring cables shall be single multi core/ single core, Cu/ PVC, unarmoured, 450V/ 750V grade cable as per specification and drawings, complete in all respect.				
13.2	Circuit wiring from DB,s to switch board with 2 x 2.5 sqmm + ECC 1 x 2.5 mm sq. PVC insulated wires 1-core stranded color coded in pre-laid 25mm dia PVC conduit concealed in ceiling slab and concealed in wall or in pre-laid cable trunking as shown in the drawing.	No.	1.00		
13.3	Wiring for light point from switchboard to light point/ exhaust fan/ wall fan with 2 x 2.5 sq.mm + ECC 1 x 2.5 sqmm PVC insulated wires 1-core stranded color coded in pre-laid 25mm dia PVC conduit concealed in ceiling slab and concealed in wall as shown in the drawing Complete in all respect.	No.	3.00		
13.4	Wiring from light point to light point with 2 x 2.5 sq.mm + ECC 1 x 2.5 sqmm PVC insulated wires 1-core stranded color coded in pre-laid 25mm dia PVC conduit surface on ceiling slab or as shown in the drawing Complete in all respect.	No.	2.00		



13.5	Wiring from DB,s to first 13/ 15A switch socket unit for raw power with 2 x 4 sq.mm + ECC 1 x 4 sqmm, PVC insulated wires 1-core stranded color coded in pre-laid 25mm dia PVC conduit laid under floor, in ceiling slab and concealed in wall as required .	No.	1.00		
13.6	Wiring from first 13/ 15A switch socket unit to 15 switch socket unit for raw power with 2 x4 sq.mm + ECC 1 x 4 sq. mm, PVC insulated wires 1-core stranded color coded in pre-laid 25mm dia PVC conduit laid under floor, in ceiling slab and concealed in wall as required .	No.	1.00		
14	Wiring Accessories				
	Supply, installation, testing & commissioning of following 10/13/15/20A, gang type switches, Sockets including 16 SWG Sheet Steel powder coated back Boxes with earth terminal, recessed in wall, with all accessories, as per drawings and specification, complete in all respect.as per specification.				
14.1	Three Gang switch	No.	1.00		
14.2	13A, 3-pin Universal Simplex switch socket outlet	No.	1.00		
14.3	15A, 3-pin switch socket outlet	No.	1.00		
15	Light Fixtures				
	Supply, installation, testing & commissioning of following LED Light fixtures complete with Electronic ballast (unless mention otherwise), lamps, lamp holders,SPD, Earth Protection and mounting accessories etc., as per specification, complete in all respects, as per drawings and specification, complete in all respect. Lighting fixtures sample must be submitted to consultant for approval. PF> 0.9, CRI>80, 120 Lumens/watt. Operating Life 50,000hrs, light color 3000K to 6500K, IEC Certified. Note: Refer light fixtures drawings/Schedule for complete light fixtures details.				
15.1	Smart LED Suspended/ Batten Fitting Light 36 Watt 5000 6500K (IP67/ 65)	No.	2.00		
15.2	SMART LED LIGHT WALL/SURFACE MOUNTED 12 WATT	No.	6.00		
16	Fans				
	Supply, Installation and Commissioning of energy efficient Ceiling Fans as per schedule & specifications complete with all hooks/ hanging arrangements. Including all accessories lugs, cable gland etc.				
16.1	Ceiling Fans 56" Energy Star NECCA Approved Design	No.	2.00		



17	Plumbing				
17.1	Providing suppling jointing testing and commissioning of complete plumbing work with all pipes, fitting ,fixtures and accessories complete as directed by the Engineer.	job	1.00		
G. Total of Lot No.05 in PKR (inclusive of all taxes) ---- Construction of First Aid Room at PMDC Salt Mines, Warcha.					



