




BID SOLICITATION DOCUMENTS

For

Revamping / Renovation and New Construction in The Existing ER Building in BKMC-MTI, Swabi

Note: The prospective bidder is expected to examine the Bidding Documents carefully, including all Instructions, Terms & Conditions, and Specifications etc. Failure to furnish all information required by the Bidding documents or submission of a Bid not substantially responsive to the Bidding Documents in every respect would result in the rejection of the Bid.


Manager Material Management
BKMC/GKMC-MTI, Swabi


Manager Maintenance & Engineering
BKMC/GKMC-MTI, Swabi


Director Finance
BKMC/GKMC-MTI, Swabi


Medical Director
BKMC-MTI, Swabi


Hospital Director
BKMC-MTI, Swabi

Office Note(Note for Record)

Date:6/1/26

AS the DF has rejected the renovation/Revamping/Repairing and new construction of the Burn Unit. It is not the priority because the hospital does not have the staff to run the Burn unit and also due to Budget constraints, therefore, we will go only for the renovation/repairing/revamping of the G.floor and 1st floor in the ER as requested by the ER incharge.

lshw
MME
06/1/26

Bidding Documents for

Revamping/Renovation and new construction in the existing ER Building in BKMC-MTI, Swabi

Instructions To Bidders:

Scope of Bid: Hospital Director MTI GKMC/BKMC Swabi Invites sealed bid from eligible firms registered with Pakistan Engineering Council in relevant categories & having updated registration certificate issued by PEC for the work

“Revamping/Renovation and new construction in the existing ER Building in BKMC-MTI, Swabi

” as mentioned in Bill of quantities attached.

Method of Selection: Single stage single envelop procedure as per KPPRA.

Eligible Bidders: This invitation for bid is open for all bidders meeting following requirements

- Duly Licensed by Pakistan Engineering Council in relevant category & codes C10
- Registered with Federal Board of revenue & having valid NTN No.
- Registered with KPPRA.

One Bid per Bidder: Each bidder shall submit only one bid.

Cost of Bid: The bidder shall bear all cost associated with preparation & submission of bid & employer will not be responsible for any cost.

Site Visit: The bidders are advised to visit the site & examine the site of work & its surroundings & obtain all necessary information required for preparation of bid.

Clarification of Bidding Documents: Any perspective bidders who required clarification of bidding documents may notify the employer in writing on the address as mentioned in bidding documents at least 5 days prior to last date of submission of bid. The employer will respond all clarifications in writing received within due time.

Amendments in Bidding Documents At any time prior to the deadline of submission of bid the employer may for any reason whether at his own initiative or in response in clarification requested by perspective bidder modify the bidding documents by issuing an addendum. Any addendum thus issued will be considered as part of bidding documents.

Taxes & Duties: All government taxes i.e. income tax, stamp duty & professional tax or any other government tax will be charged as per rules.

Validity of Bid: The bid shall be valid for 90 days.

Employer authority to accept or Reject all bids: The competent authority has the right to reject all bids under Rule 47 of KPPRA procurement rules 2014 after assigning valid reasons.

Preparation of Bid:

Language of Bid: The bid & all associated documents with it will be prepared in English.

Currency of Bid: The unit rates & prices shall be quoted by the bidders in Pakistani Rupees. Payment to successful bidder may be made in Pakistani rupees irrespective of variation in its exchange rate with international currency.

Bid Security:

All the bidders must submit with their financial bids, bid security/CDR as per KPPRA notification No S.R.O (13) Vol: 1-21/2021-22 dated 15-09-2021. Otherwise, the bid shall be considered as non-responsive.

The award will be based on above/below basis on engineer estimate.

Sealing & Marking of Bid: The bids shall be sealed in envelopes & the Name of the firm shall be clearly marked on the envelopes & addressed to Hospital Director MTI GKMC/BKMC Swabi.

Dead Line for Submission of Bid: The bids must be received by the employer not later than date & time as specified in bidding documents through registered courier or by hand to be submitted in the tender box in Admin block MTI GKMC/BKMC Swabi.

Late Bids: Any bid received by the employer after the deadline for submission of bids will be returned unopened to such bidder.

Modification Substitution & Withdrawal of Bids: Any bidder can modify, substitute or withdraw his bid after bid submission provided that the modification, substitution or withdraw notices received by employer prior to the deadline of submission of bid.

Opening of Bids: The employer will open the bid in the presence of bidders on the date & time as specified in bidding documents.

Mandatory Requirements:

- Registration with Pakistan Engineering Council in relevant category & codes C10.
- The registration must be renewed for the current year.
- Registration with FBR & valid NTN No.
- Registration with KPRA.
- Proposed Construction Schedule signed by authorized representative of the firm in accordance with time of completion as mentioned in special stipulations.
- Affidavit on stamp paper duly attested by notary public that the firm has never been black listed.
- Affidavit on stamp paper duly attested by notary public that the firm will execute the works as per specifications mentioned in bidding documents & as per instructions of engineer in charge.
- Affidavit on stamp paper duly attested by notary public that the contractor will depute experienced technical supervisor with building construction background and will submit the experience certificate.

Form of Bid (To be Filled & signed by Bidders)

To
The Hospital Director
MTI GKMC/BKMC Swabi

Subject: Form of Bid for. Revamping/Renovation and new construction in the existing ER Building in BKMC-MTI, Swabi

Dear Sir,

1. Having examined the Bidding Documents including Instructions to Bidders, Bidding Data, Specifications, Drawings, BOQ, the site for the execution of above-named works and Addenda Nos. _____ for the execution of the above-named Works, we, the undersigned, offer to execute and complete such Works and remedy any defects therein in conformity with the Conditions of Contract. Specifications, Drawings, Bill of Quantities and Addenda.
2. We understand that all the Appendices attached hereto form part of this Bid.
3. As security for due performance of the undertakings and obligations of this Bid, we

submit herewith a Bid Security in the amount of Rupees 2% drawn in your favor or made payable to you and valid for a period upto 28th Feb 2026 beginning from the date Bids are opened.

4. We undertake, if our Bid is accepted, to commence the Works and to complete the whole of the Works comprised in the Contract within the time stated in special stipulations.

5. We agree to abide by this Bid for the period up to 30th Octo 2025 from the date fixed for receiving the same and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

6. Unless and until a formal Agreement is prepared and executed, this Bid, together with your written acceptance thereof, shall constitute a binding contract between us.

7. We do hereby declare that the Bid is made without any collusion, comparison of figures or arrangement with any other bidder for the Works.

8. We understand that you are not bound to accept the lowest or any Bid you may receive.

Dated this _____ day of _____ 20 _____

Signature: _____

in the capacity of _____ duly authorized to sign Bids for and on behalf of

(Name of Bidder in Block Capitals) with Seal _____

Address: _____

General Specifications

1.1 Quality/ Quantity of Materials

MTI GKMC/BKMC Swabi Engineer shall check the quality of all materials delivered to site. Any materials which do not meet the minimum standards shall be rejected. Such materials shall be removed from site and replaced at the Contractors expense with materials of the required quality. The approved quantities of material mobilized to site are the core responsibility of contractor.

1.2 Quality of Workmanship

Contractor is responsible to mobilize the skilled and unskilled persons according to work need. MTI GKMC/BKMC Swabi Engineers will reject any works which have not been executed to the required

standard. The Contractor shall redo any rejected works at his own expense and with no time delays to the overall scheme.

1.3 Layout

Contractor will carry out the layout with the help of MTI GKMC/BKMC Swabi Engineers for excavations and set the required bench marks as directed by the MTI GKMC/BKMC Swabi engineer. Before starting the excavations, it should be checked and got approval by the MTI GKMC/BKMC Swabi engineer.

1.4 Preparatory works for main works.

No extra payment will be made for works which are not specifically mentioned in the bill of quantities but are generally required. Such works will be carried out the contractor's expense. Such works include, but are not limited to, Layout, formwork, curing, testing, fittings and joints for pipes, clamping of pipes to walls, excavation for PVC pipes, embedment of G.I pipes in walls etc.

1.6 Unless otherwise specifically mentioned in the, BOQ or these specifications, all international codes like ACI, ASTM will govern the minimum standards required for the workmanship, materials, testing etc.

2 Buildings, Structures and materials

2.1 Excavations

Excavations shall be clean and free of water. All excavations shall be inspected by MTI GKMC/BKMC Swabi Engineer before work proceeds.

Excavations are dangerous and liable to collapse, particularly in wet weather or waterlogged ground. The Contractor shall take all necessary precautions to ensure that all excavations are properly protected to prevent accidental or un authorized entry. The Contractor shall be responsible for safety, mention standards and be liable for any accidents which may occur.

2.1a Backfill

Backfill shall be placed in layers, maximum height of 6" and then compacted. Debris and trash shall be removed before placing the backfill. Pipes shall be covered by sand.

2.2 Sand

Sand shall be clean and free from contaminants such as oil, silt, soil, wood, metal or vegetable matter.

Coarse sand, fine sand used according to their respective places such like concrete, plaster etc or as per the approval of engineer. Sand used for plaster and concrete work should be approved from MTI GKMC/BKMC Swabi Engineer

2.3 Aggregate

Aggregate used for concrete shall be angular crushed rocks, and able to create bonding. It shall be clean and free from contaminants such as oil, silt, clay, wood, metal or vegetable matter. Smooth, soft and silky aggregates will not be allowed for use.

Aggregates used for concrete work should be approved by the engineer.

2.4 Cement

Ordinary Portland cement shall be used and delivered in sealed bags to the site. It shall be kept clean and dry until usage.

The cement should be fresh and satisfy all the engineering requirements as specified in International codes of practices.

2.5 Water

Water used for mixing concrete, mortar, plaster and other construction materials shall be potable, clean and free from organic materials.

2.6 Concrete Mixes

Concrete shall be mixed in the following proportions by volume:

Concrete:	1 : 1 1/2 : 3	cement: sand : aggregate
Concrete:	1 : 2 : 4	cement : sand : aggregate

The water cement ratio shall be by weight. Too much water improves the workability but reduces the strength creates segregation of concrete. Concrete which has too much water added shall be rejected. The slump in freshly made concrete should be 3" – 4" according to the standard slump test on 12" high concrete samples.

Concrete should have generally a smooth surface when formwork is removed.

The 7 days compressive strength of 1:1 1/2:3 concrete (6" dia and 12" high cylinders) shall not be less than 2000 pounds per square inch (psi) and the 28 days strength should not be less than 3000 psi.

The concrete samples shall be tested as 03 cylinders for 07 days and 03 cylinders for 28 days . The cost of such tests should be borne by the contractor.

2.7 Mixing Concrete

Concrete mixed on site shall be mixed on a clean dry platform of level boards. Concrete shall not be mixed on the bare ground. Mixing by hand shall be carried out in the following way:

10 % extra cement shall be added. First the cement and sand shall be thoroughly mixed. Second, this mixture shall be thoroughly mixed with the aggregate which has been slightly wetted. When the mixture is completely mixed and uniform in color, the correct quantity of water shall be added, and the concrete thoroughly mixed.

Hand mixing will only be allowed if engineer on site is satisfied with the quality of workmanship, otherwise the concrete will be required to be machine mixed.

Concrete for roof will be mixed only by the machine and hand-mixing will not be allowed.

2.8 Placing Concrete

Once mixed, concrete shall be used immediately. Any concrete which had been allowed to achieve its initial set shall not be placed. Concrete should be compacted by the use of vibrator or steel rods as directed by the engineer

Concrete should not be thrown from height. The steel pan should be lowered and the concrete dropped from it for its placement when done manually.

Arrangements should be made at the contractor's expense to protect the freshly poured concrete from rain for 24 hours. Any concrete damaged by rain will be rejected and the contractor will have to do the concreting again at his own cost. No extra time will be given for redoing the job.

2.9 Formwork

Formwork shall be adequately braced and have a capacity to support the wet concrete after its placed. The faces of the formwork shall be smooth and clean. Mobil oil may be used to prevent the concrete adhering to the formwork.

Steel formwork should be used for the concrete placement. Wooden forms will be allowed only the engineer if smooth surfaces for concrete are ensured by the contractor.

All form work and shuttering shall be approved by the Engineer before binding and placing the reinforcement.

2.10 Reinforcement

Steel reinforcement shall be the correct diameter as shown on the drawings or as directed by the engineer. The bars shall be clean and free from rust. They shall be securely fixed by binding wire at every joint before placing the concrete. The minimum cover to reinforcement shall be $\frac{3}{4}$ inch. Clear covers will be specified by the engineer if not explicitly mentioned in the drawings.

The steel used for reinforcement should be of good quality (G-60) and should not break when bend at 180 degrees. Engineer can ask for the standard tests of steel if unsatisfied with the quality of the steel. The steel samples must be tested prior to work initiation on site and the cost will be borne by the contractor.

2.11 Curing Concrete

Sufficient water is required for concrete curing. Poorly cured concrete will shrink or crack, and not achieve its full strength. The contractor shall ensure that all concrete is properly cured.

The concrete shall be kept continuously wet by the application of water for a minimum period of fourteen days after the concrete has been placed. Cotton mats, carpets or sand blankets, may be used as a curing medium to retain the moisture.

Roof concrete should be cured by water ponding on its surface.

2.12 Concreting in Cold/ Hot Weather

The contractor is responsible to take necessary action according to weather condition or as per the approval of engineer.

2.13 Concrete Finishing

Concrete shall be finished to a smooth uniform surface and finished using a metal or wooden float.

2.14 Mortar

Mortar for brick work and floors shall be mixed in the proportion 1 cement: 4 sand by volume. Sufficient water shall be added to achieve the desired workability.

The surfaces of the bricks shall be wetted before placing. Mortar shall be placed on all horizontal and vertical faces between the Bricks, with no gaps.

2.15 Plaster

Mortar for plastering of internal walls and external rendering shall be mixed in the proportion 1 cement : 4 sand by volume. Sufficient water shall be added to achieve the desired workability. Wire mesh must be fixed at brick and concrete joints in order to avoid cracks in plaster.

Cement water slurry should be thoroughly applied on the wetted walls before applying the mortar. Wire mesh must be fixed at brick-concrete joints in order to avoid cracks in plaster.

2.16 Brickwork and Brick walls

Walls shall be straight, perpendicular and dimensionally correct, constructed as shown on the drawings. The faces of walls shall be regular with no irregular bricks.

The thickness of mortar used for brickwork should be about $\frac{1}{2}$ inches.

Bricks shall be of uniform size, shape, color and free from chips, cracks, nodules of lime and such defects which render it unfit for the building works. The size of bricks used should be 9" * 4 $\frac{1}{2}$ " * 3".

Bricks should be kept immersed in water for 24 hours before using or as directed by the engineer. Dry bricks or half wet bricks will not be allowed in brickwork.

The minimum compressive strength of bricks should be 1500 psi.

The water absorption by bricks should be 15% to 20% by weight when kept immersed in water for 24 hours.

Bricks should produce a clear ringing sound when stuck together.

Bricks should not under-burnt or over-burnt. Engineer will reject the bricks if unsatisfied with their quality. Engineer can also ask for the compressive, water absorption or other tests to make sure that the bricks satisfy the minimum quality requirements. The contractor will bear the cost of the brick tests .

Brickwork should be cured for at least 7 days after its construction or as directed by the engineer.

2.17 Paint Work

Paint work should be installed smooth surface of plaster and used sand paper for this purpose. Enamel and weather shield should be used as specified in BoQ specification in their respective places.

The contractor shall protect the finished floor prior painting. Spills have to be cleaned up immediately before they dry. Window and door frames have to be taped off and being protected from colour spills. White wash is not accepted. All colours have to be applied in a manner that they cover the plaster.

2.18 Doors/ Ventilator

Door, windows and Ventilator are used of approved materials as specified in BOQ. Any material or equipments used for the fixing of doors and ventilators will be the responsibility of contractor with no extra cost.

3 Water Systems

3.1 G.I. Pipe

Pipe shall be of required diameter and quality and brand as specified in the bill of quantities.

3.2 Pipe Connections

Connections shall be cleanly welded/ Jointed and tested for leaks. Untidy or leaking joints shall be re-made to the approval of the Engineer.

All connections to pumps, valves and other fittings shall be threaded or flanged to enable removal.

3.3 Pipe Laying and Bedding

All pipe work shall be laid in a trench with a minimum depth of 1 foot or as per the approval of engineer. All pipes shall be tested for leaks before backfilling the trench.

3.4 Pipe Fittings

Pipe fittings shall be complete in all respect i.e. jointing, socket, tee, valves etc with solution, threading etc

3.5 Pipe Bends

Pipes shall not be bent. The correct fittings shall be used such as bends, elbows and Tees. Any bent pipe shall be removed and replaced with the appropriate fittings.

3.6 Pipe Protection

All steel pipes and connections shall be protected from rusting.

3.7 Screed/Tiles

The screed shall be cast in a smooth and levelled way, so tiles can be laid without disturbance. Between the screed and the wall the contractor shall place a 1/4" foam board or card board, ending 1/8" above the screed. The screed shall be cast before the plaster works. The joint between the tiles shall be 1/8". But joints are not acceptable. The tiles shall be grouted with the required colour grout, the edge between wall and tiles shall be kept free of grout. All corner joints shall be filled with elastomeric sealant. Joints between the floor tiles and the skirting tiles shall be sealed with an elastomeric sealant, matching the colour of the tiles and the grout. Glossy finished tiles are strictly forbidden at floor, matt tiles must be used in floor.

3.8- Prefab sandwich panels wall installation 75mm thick (outside) and 50mm (inside) thick wall pannels (0.35 - 0.45mm thick sheet on both sides, GI (16SWG) U Channel, MS (16 SWG) pipe supports 75"x75", panels of 6'x4' in roof of MS pipe 3"x1 1/2" of 16 SWG.

channels including doors of the same pre-fab materials including ironmongery complete. 1.5mm thick with 75mm section • Double Leaf Aluminum window (One Side Fixed and One Side Sliding) • Size: (4'x3') • 5mm thick clear glass • Mesh + Rubber section as per dwg complete work,

4.1 Light fixtures

Lights shall be mounted to or concealed to the ceiling with own supplied fixtures or the set fixtures. If the contractor supplies the screws and dowels, this material shall meet the light fixture producers' expectations. The luminosity shall meet the description in the electrical drawings.

4.2 Fans

RENOVATION & ALTRATION OF NEW EMERGANCY, BACHA KHAN MEDICAL COMPLEX MTI SWABI

S. NO	DESCRIPTION	SCHEDULE ITEMS (Amounts)(Rs)	NON-SCHEDULE ITEMS (Amounts)(Rs)	TOTAL Amounts
1	Civil Works	1,774,013		1,774,013
2	Electrical Works	1,313,066		1,313,066
3	Networking		567,925	567,925
	GRAND TOTAL AMOUNT	3,087,080	567,925	3,655,005

RENOVATION & ALTRATION OF NEW EMERAGANCY, BACHA KHAN MEDICAL COMPLEX MTI SWABI

S.N o.	DESCRIPTION	Ref. #2025	Unit	Unit Rate (Rs)	BOQ	Amount (Rs)
1	Dismantling : Plain Cement Concrete 1:2:4	04-19-c	M ³	4914.04	0.17	835
2	Plain Cement Concrete in foundations including placing, compacting, finishing & curing (Ratio 1:4:8).	06-05-i	M ³	12,340.56	0.59	7,281
3	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	06-5-f	M ³	17,035.28	0.34	5,792
4	1st class brick work in ground floor Cement, sand mortar 1:5	07-05-a-04	M ³	17,664.81	0.17	3,003
5	RCC in roof slab, beam, column & other structural members, insitu or precast. (1:1.5:3)	06-07-a-02	M ³	22,220.48	0.17	3,777
6	Supply & fabricate M.S. reinforcement for cement concrete (Hot rolled deformed bars Grade 60).	06-08-b	T	306,713.50	0.04	10,746
7	Cement Plaster 1:5, upto 20' height 3/4" thick	11-11-c	M ²	682.12	6.32	4,311
8	Erection and removal of Form work with Steel Surface Finishing for RCC or Plain Concrete in any shape - Position / Horizontal	06-47-a	M ²	970.34	1.67	1,620
9	Providing and Fixing of Tiles 12"x18" of approved quality	10-55-j	M ²	2,562.82	7.53	19,298
10	Providing and laying 3/4"(19mm) thick Granite Black polished tiles of approved quality of any size on floor over 3/8" thick base cement sand mortar 1:3 including setting the tiles with portland cement slurry over cement sand jointing and washing the tiles with cement slurry of matching color including grinding, rubbing, polishing & mortar cost.	10-60-a	M ²	11,848.78	1.67	19,787
11	Filling, watering and ramming earth under floor with earth from foundation, etc	03-18-a	M ³	133.66	1.91	255
12	Providing and fixing of tempered glass of approved quality and color including all fitting complete in all respects	14-153-c	M ²	13,856.56	23.98	332,280
	c) 12mm Thick					
13	Prefab wall panels installation 50mm wall pannels, aluminum channels complete work with installation	NSI	M ²	9,339.68	126.86	1,184,832
14	Providing and Fixing of 12mm glass with aluminium frame in counter area	NSI	M ²	12,008.16	6.69	80,335
15	Plastic Rubber curtain for AC Cooling /Dust Protection	NSI	M ²	7,795.44	12.81	99,860

TOTAL SCHEDULE

1,774,013.46

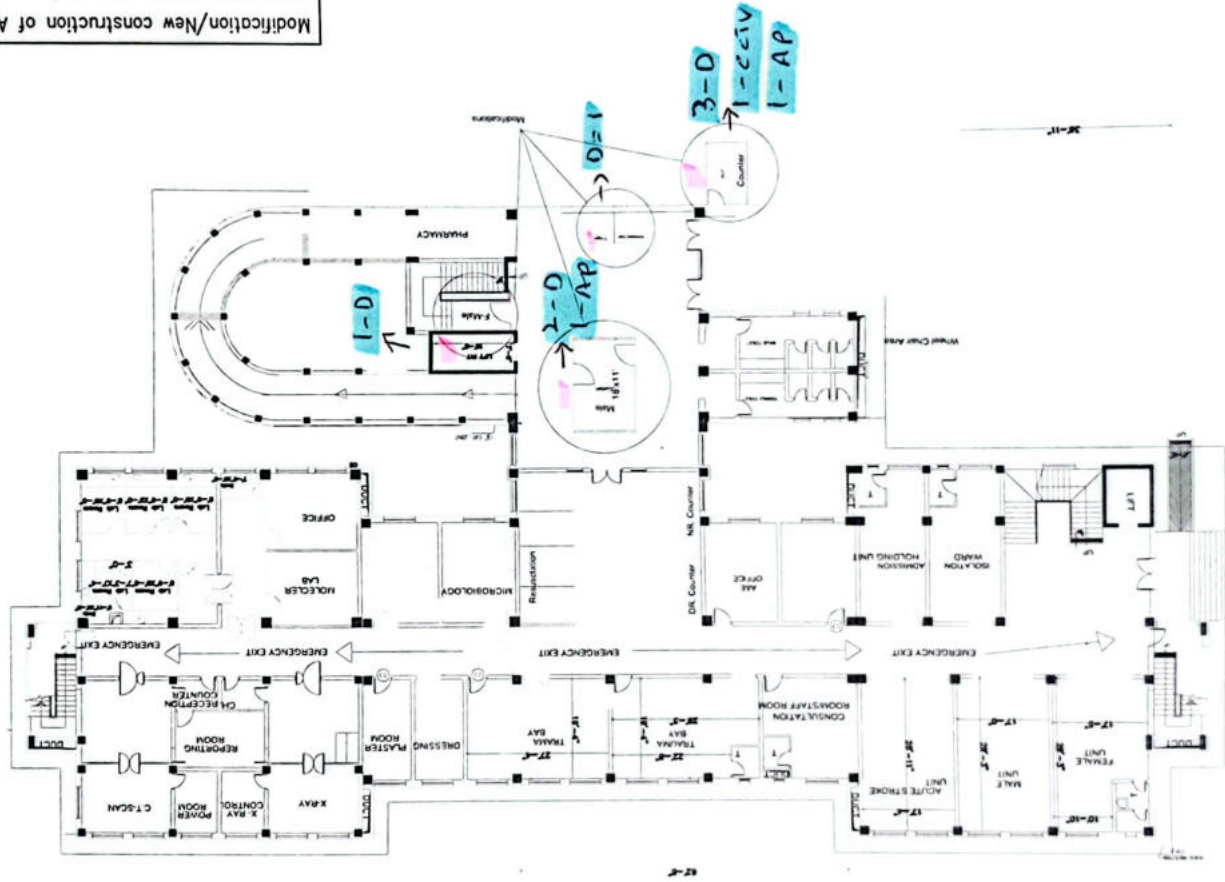
RENOVATION &ALTARATION OF NEW EMERAGNCY, BACHHA KHAN MEDICAL COMPLEX MTI SWABI

N	DESCRIPTION	Ref. #	Unit	Qty	Unit Rate (Rs)	Total Amount (Rs)
0.	Supply and Erection single core PVC insulated					
1	copper conductor 250/440 V grade cable : 3/0.029" 1/2" i/d	15-05-a	Mtr	180	104.92	18,886
2	Supply and Erection single core PVC insulated copper conductor 250/440 V grade cable : 7/0.029"	15-05-c	Mtr	90	191.88	17,269
3	Supply and Erection single core PVC insulated copper conductor 250/440 V grade cable : 7/0.036"	15-05-d	Mtr	160	240.74	38,518
4	Supply and Erection single phase imported auto circuit breaker 20	15-71-c	Each	8	1,013.44	8,108
5	Supply and fixing light plug 10 Amp	15-83.	Each	8	228.26	1,826
6	Supply and Fixing 20 Amp power plug	15-81	Each	8	290.01	2,320
7	Supply and Fixing PVC conduit for surface wiring (dura duct) 1/2" including all charges for nail screws etc	15-79-a	Mtr	90	104.02	9,362
8	Precurement and Fixing of 6 Pin Kit with sheet	15-170-c	Each	4	1,288.76	5,155
9	Supply and Erection of AC ENERGY EFFICIENT LED LIGHT BULBS (16-20 W)	26-01-c-06	Each	14	839.43	11,752
10	Supply and Fixing of 18" dia Direct axial Wall Bracket fan, 1450Rpm, Max 50db sound level Fan shall be made with 99% purity Copper windings	15-78	Each	4	10,014.41	40,058
11	Supply and Erection of AC ENERGY EFFICIENT CEILING FANS 56 inch, 50 W	26-01-l-01	Each	4	13,821.55	55,286
12	Supply and Erection of INVERTER BASED SPLIT AC (01 Ton)	26-01-p-01	No	2	161,625.30	323,251
13	Supply and Erection of INVERTER BASED SPLIT AC (1.5 Ton)	26-01-p-03	No	3	260,425.30	781,276
TOTAL SCHEDULE						1,313,066

RENOVATION & ALTRATION OF NEW EMERGANCY, BACHA KHAN MEDICAL COMPLEX MTI SWABI

S No	Item	Unit	Qty	Unit Price (PKR)	Estimated Price (PKR)
1	Cat6 Ethernet Cable 23Awg (3M D-Link or Schneider)	M	305	215	65575
2	Dual I/Os with face flat & Box	No	11	1850	20350
3	Access Point	No	3	72000	216000
4	POE 24-Port Network Switch (Cisco, Non-Huawei)	No	1	87000	87000
5	Camara IMOU4MP with 256 SD Card	No	2	35000	70000
6	Cat 6 path card 3 meter	No	10	900	9000
7	Patch Panel (24-port)	No	1	35000	35000
	Cabinet 6 U WITH PDU	No	1	35000	35000
	Installation Duct, etc	No	1	30000	30000
	Grand Total				567925

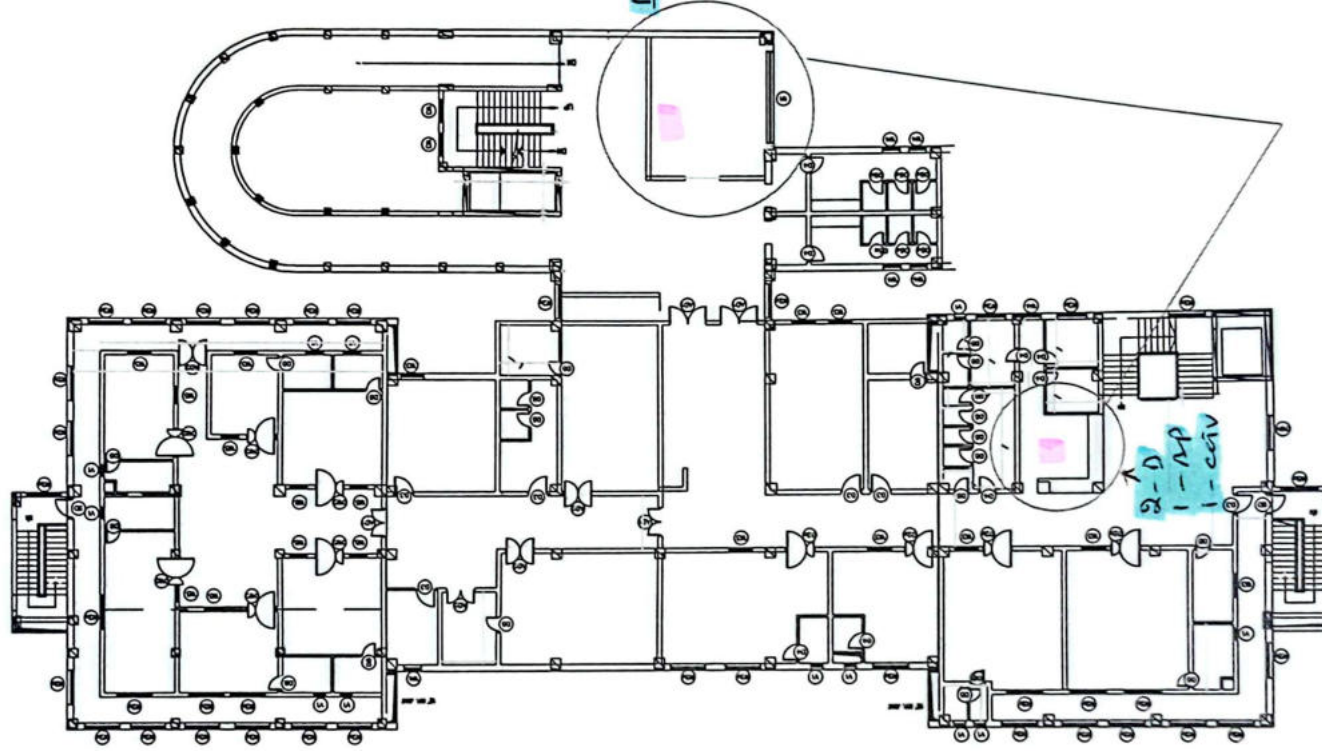
Modification/New Construction of Accident & Emergency Department, Burn ICU Ground Floor



Modification/New construction of Accident & Emergency Block
BACHA KHAN MEDICAL COMPLEX/GAU KHAN MEDICAL COLLEGE SWABL.
BURN BLOCK
GROUND FLOOR PLAN

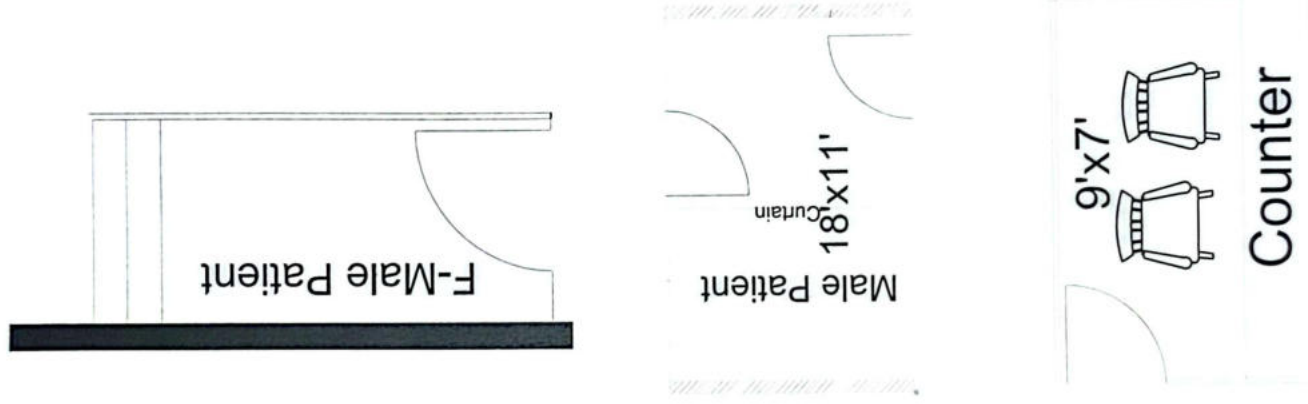
Modification/New Construction of Accident & Emergency Department, Burn ICU
FIRST Floor

⑤



Modification/New construction of Accident & Emergency
Burn ICU Medical complex/ Burn ICU Medical College Street
1ST FLOOR PLAN

Modification / New construction of Accident & Emergency Department, Burn ICU
Ground Floor



Information Desk
Triage

Modification/New construction of Accident & Emergency
BACHA KHAN MEDICAL COMPLEX/GAJU KHAN MEDICAL COLLEGE SWABI.
BURN BLOCK
GROUND FLOOR PLAN

Stipulations

Payment Schedule: Payment shall be made of work done as IPCs, measurements will be taken jointly from site by the BKM/C/GKMC-MTI Swabi Engineer and the contractor's Engineer and invoice shall be made accordingly.

Retention Money: 10% retention money shall be retained from the invoice. 5% will be released at completion of the work and remaining 5% shall be released upon successful completion of defects liability period.

Time for completion: 150 days will be the completion time for the work, starting from the commencement of work on site.

Defects Liability Period: Defects liability period shall be 180 days

Liquidated Damages: In case of delay in completion, the liquidated damages shall be applied 0.05% per day of the remaining work value.

LIST OF APPROVED MANUFACTURERS (CIVIL WORKS)

(To be signed by the Bidder)

The Contractor should note that only material from those manufacturers specified in the list of approved manufacturers shall be allowed to be used on this Project. The Contractor shall submit literature/catalogue/samples etc. of all the items from each of the specified manufacturers to the Engineer who shall then decide and approve the sample and the Contractor shall erect mock-up samples of the specified manufacturers for the selection and approval of the Engineer.

Onus lies with the Contractor for establishing the genuineness of any material/product/item for its make and origin as specified below.

S. No.	MATERIALS	MANUFACTURERS/BRANDS
1	Ceramic Tiles	Stille/ Shabir, Master or Equ
2	Porcelain Tiles	Stille/ Shabir, Master or Equ
3	Paints & Varnish	ICI, Berger, Nippon
4	Door Locks/Door closers	USA/ West European / Japanese Origin or Equ
6	Imported Tiles (Ceramic/Porcelain)	RAK, Malaysian, China or approved equivalent
7	Aluminum Sections	Chawala, prime, Etihad Aluminum or approved equivalent
8	Precast Concrete Interlock Pavers	Tuff Pavers, Izhar, Envi Crete, Concrete Concept, Concrete Wizard or Equa
9	False Ceiling including Suspension System	Daiken (Japan), Dampa (Denmark) & OWA (Germany), or United, Arish gypsum board or Equivalent best quality.
10	Bricks	33 trade, PR-1 mark or approved equivalent
11	Lamination Board	Formite, ZRK or approved equivalent
12	Cement	Cherat, Askari, Kohat or equivalent

13 LIST OF APPROVED MANUFACTURERS (PLUMBING)

(To be signed by the Bidder) ITEMS

S.No MANUFACTURERS/BRANDS

- G.I. pipe I. M/S International Industries Limited
- M/S Jamal Pipe Industries (Pvt) Limited
- M/S Bashir Pipe Industries (Pvt.) Limited

2.	G.i.pipe fittings	i.	M/S. He China or Equi.
ii.	M.S. pipes & fittings	i.	M/S. TG China
3.			M/S. Jamal Pipe Industries (Pvt) Limited
ii.	Sanitary fixtures	i.	M/S Haffaz.
4			Master & Faisal
			M/S Asian
			Standard (China)
ii.		M/S. Porta (China)	
iii.		M/S I.C.L.	
5	Sanitary fittings	i.	M/S Master, Faisal. Dur.
ii.	Valves	M/S Sonex	
6		i.	M/S Scon or Approved Equivalent
			M/S Mecco
7	Water cooler	i.	M/S Haseen Habib Corporation (Pvt.) Ltd.
ii.		M/S Caravell	
iii.		M/S Comfort	
8	Fire extinguishers	i.	M/S Fire & Safety Services
			M/S Dadex
			Enternit Ltd.
9	UPVC pipe and fittings	i.	M/S Turkplast
ii.		M/S Master Pvt Ltd Or Equ:	
iii.		M/S Dadex	
10	PPR pipe & fittings	i.	M/S Master Pvt Ltd.
ii.		M/S Turkplast	
iii.		i.	M/S So-Safe
11	Water filters	ii.	M/S Aqua Safe
		i.	Silver Bulet
			Am(Burke) or Equ. (Imported)
12	Epoxy paint (antibacterial, antimicrobial) liquid stainless paint		
NO.	EQUIPMENT/ MATERIALS	MANUFACTURERS/BRANDS	
1.	LV and Control Cables and Wires (600/1000 V)	Pakistan Cables, Fast Cables, Newage Cables, Popular, Galco, Plasco or EQU	
2.	PVC Conduit & Accessories	Hilali Industries, ILL, Jamal, Pioneer or Equ:	
3.	Steel Conduit & Accessories		

4. MCCBs, MCB
Magnetic Contactors
Jubilee Corporation (Pak),
Siemens (Germany), ABB
(Italy), Terasaki (Japan)
Panasonic Green power
(Japan), Telemecanique
Tesla, Homage, Inverex or
Equ.
5. UPS
Newage Cables, Pakistan
Cables, Fast Cables
6. High Voltage Cables(15 kV)
Amber, Nokian, Ducati,
Jubilee or Equ:
7. Capacitors
Circular (Italy), Revalco
(Italy), Inter (Turkey),
Entes (Turkey), Jubilee
Corporation (Pak).
8. Voltmeter/Ammeters
Bosch, Milano, Legrand,
Clipsal, Opal and ABB.
Pak., Lahore Fan, Royal,
Climax, GFC, Taimour
SA Electric Concern,
Elmetec, PEL, Bilal Switch.
Al-Rehman Switchgear,
Messi.
9. Back Boxes, Pull boxes etc.
10. Ceiling Fans & Exhausts
11. Low Voltage Panel, MMC &
ACP
13. Lighting
Philips, Thorn, Pierelite,
Sunlight, Pak Lights.
14. Main Distribution Board
Techno, Power Tech,
Electrech, Bilal Switchgear
15. DC Inverter AC (Latest
Model)
GREE, PEL, TCL

Contractor shall mount the fans to the ceiling with all necessary materials.

4.3 Switches/Sockets

Switches and sockets shall be concealed manner. The switches shall be installed 41" above finished floor and 6" offset the door. Sockets shall be installed 12" above finished floor and 6" offset the door. Sockets shall be from a quality that keeps the plug in place firmly.

4.4 Earthing

The electrical installation shall be protected by earthing. The contractor can use earthing rods or use ring earthing in the foundation as per the instruction of the Engineer.