


Gajju Khan Medical College(GKMC)Medical Teaching Institution
Swabi.

Issued to: _____

Date: _____

P- 1/21


MMCB

Bidding Documents for

Renovation of Academic Block in MTI Gajju Khan Medical College

Swabi

Instructions To Bidders:

Scope of Bid: Dean/CEO MTI GKMC Swabi Invites sealed financial bid from eligible firms registered with Pakistan Engineering Council in relevant categories & having updated registration certificate issued by PEC for the work "Renovation of Academic Block in MTI GKMC 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 & having codes, CE-10.
- Registered with Federal Board of revenue & having valid NTN No.
- Registered with KPRA.

One Bid per Bidder: Each bidder shall submit only one bid either by himself or through joint venture with other firm.

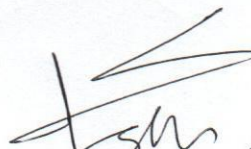
Cost of Bid: The bidder shall bear all cost associated with preparation & submission of bid & employer will not be responsible for any cost.

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.

P- 2/21


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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. An affidavit is mandatory in technical bid that bid security is placed in financial bid.

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

Financial Bid: The financial Bid will be comprises of the following documents:

- 1) Engineer Estimate for the work duly signed by authorized representative of the firm with his quoted rate i.e. above/below on engineer estimate.
- 2) Bid security/CDR in the name of Dean/CEO Gajju Khan Medical College MTI Gajju Khan.

Sealing & Marking of Bid: The financial bid shall be sealed in envelop & Name of the firm shall be clearly marked on the envelope & addressed to Dean/CEO Gajju Khan Medical College MTI Swabi. If the name of firm was found missing on envelope the bid will be considered as non-responsive & will be returned unopened.

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 mail/courier/ hand. The bids will be dropped in the Tender Box.

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

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P-3/24

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.

Technical Qualification Criteria

Technical qualification of the bidders shall be based on the criteria given in succeeding paras regarding the bidder financial soundness, experience record, equipments capabilities, personnel capabilities in addition to basic mandatory requirements.

Mandatory Requirements:

- 1) Registration with Pakistan Engineering Council in relevant category & codes. The registration must be renewed for the current year.
- 2) Registration with FBR & valid NTN No.
- 3) Registration with KPRA.
- 4) Proposed Construction Schedule signed by authorized representative of the firm in accordance with time of completion as mentioned in special stipulations.
- 5) Affidavit on stamp paper duly attested by notary public that the firm has never been black listed.
- 6) 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.

P-4/21


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

To
The Dean/CEO
GKMC MTI Swabi

Subject: Form of Bid for Renovation of Academic Block in MTI GKMC 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% of Engineer Estimate (Rs. _____) drawn in your favor or made payable to you and valid for a period upto 1st Nov 2022 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 upto 1st Nov 2022 from the date fixed

P-5/21


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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

BKMC/GKMC MTI 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. BKMC/GKMC MTI 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 BKMC/GKMC MTI Engineers for excavations and set the required bench marks as directed by the BKMC/GKMC MTI engineer. Before starting the excavations, it should be checked and got approval by the BKMC/GKMC MTI engineer.

P- 6/21


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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 BKMC/GKMC MTI 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.

2.2 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 BKMC/GKMC MTI 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.

P- 7/21


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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:

Class A Concrete: 1 : 2 : 4 cement : sand : aggregate

Class B Concrete: 1 : 3 : 6 cement : sand : aggregate

Class C Concrete: 1 : 4 : 8 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.

If desired, the engineer can ask for the cylinder tests of concrete. 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:

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

P-8/21


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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 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.

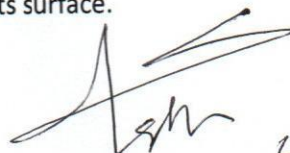
#3 means that the nominal diameter of the steel is $\frac{3}{8}$ inches. The length of steel in One Kilogram should not be more than 5.88 ft.

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.


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P-9/21

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.

Cement water slurry should be thoroughly applied on the wetted walls before applying the mortar.

The walls shall be thoroughly (as required) wetted before applying the plaster. The plaster shall be $\frac{1}{2}$ inch to $\frac{3}{4}$ " inch thick, and shall have a uniform flat finish. At corners and between walls and ceilings, the finish shall be clean and precise in a straight line.

Plastered surfaces should be cured for at least 7 days.

2.16 Brickwork and Brick walls

Before the construction of walls the contractor should get approval of the PDMA Engineer/IDEA Engineer.


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.

P-10/21


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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.

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 carried out on 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.

2.18 False Ceiling

Foil packed tiles , Laminated with Aluminium foil of thickness 9mm to 15 mm complete hanging and aluminium fittings arrangements.

2.19 Wall Panelling

Good quality wall panel will be provided. The contractor will submit samples to the College Dean / CEO office for approval.

3-Electrical Works:

Main distribution board/breakers

The contractor shall install a wall mounted distribution board (DB). The DB shall be mounted in the veranda area to be weather protected with an IP rating of 45. The main breaker shall be an RCB breaker with a RCCB in line, specified within the electrical drawings.

Ducting

Ducts shall be surface mounted in a square and rectangular manner. To cut the ducts, a metal saw or sharp carpet knife shall be used and the burrs shall be removed. Ducts shall be fixed with screws to the wall, nails are not acceptable.

Cables

Cables shall be from good quality with an undamaged insulation. If stranded wires are used, the contractor has to ensure that the cable ends are girded by cable end sleeves. Contractor shall ensure that no cables run over sharp edges. Single core cables are not acceptable.

P- 11/21


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Light fixtures

Lights shall be mounted 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.

Fans

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

Switches/sockets

Switches and sockets shall be surface mounted in a square and levelled 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.

Earthing

The electrical installation shall be protected by earthing. The contractor can use earthing rods or use ring earthing in the foundation. All electrical items shall be connected to L N and PE. If the building has a prefabricated metal roof, the roof has to be connected to the PE bar in the DB.

Plumbing/Sanitary works:

Water Closet

-An Indian ceramic water closet shall be installed in one cubicle. E.g. Master, Sonex etc.
-The contractor shall supply an English Ceramic water closet in the toilet for physically disabled children. All necessary accessories like hinged rail, grab rail, back rest rail for assistance shall be fixed at an appropriate height. For installation the instructions of the supplier will rule.
The connection to the drain and water pipes shall be without leakages.

Basin fitting

A ceramic hand wash basin shall be provided by the contractor. The basin shall have a size of minimum 22" wide and 18" deep.

Basin Mixer

Basin mixer with one knob is to be installed (no lever) as there is no provision for hot water. Acceptable quality e.g. Master, Sonex, etc. locally manufacture mixers.

Waste pipes

Where waste pipes penetrate concrete, sleeves shall be installed so that the pipes can move. All waste pipes connected to basins/sinks/toilets/floor drains shall have a bottle trap/smell trap. Pipe size for basins/sinks and urinals are generally 2" and for toilets 4". The gradient of the drain pipes for 2" is 2% slope and for the 4" pipe 1% slope. For connection, pipes shall have a union with a rubber seal. The transition from a 2" to a 4" pipe shall be with a prefabricated pipe section to step up the diameter. Self-modified pipe work is not allowed.

P- 12/21


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Pipes shall have a layer of sand below and above when placed. When covering the pipes with sand, contractor shall monitor to ensure that the pipes maintain the specified gradient.

Bib cocks, Stop cocks, T-cocks:

All concealed cocks shall be made from Steel. Joints between the pipe and the cock shall be sealed with hemp or Teflon tape. After one day of pressurized pipes, the joints still have to be dry.

Bathroom accessories

All other accessories; the mirror, Sanitary shower, Towel ring/bar and hooks behind the door must be fixed at an appropriate height.

P-13/21


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Stipulations

Payment Schedule: Payment shall be made on completion of work, measurements will be taken jointly from site by the BKMC/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: 20 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.



P-14/21

List Of Standard Manufacturers

S.No.	Items	Manufacturers/Suppliers
1	Cement (OPC)	i-Askari ii- Cherat iii- DG or Equivalent
2	Weather Shield	i-Happilac ii-ICI iii- Berger iv-Nippon or Equivalent
3	Distempering	i-Happilac ii-ICI iii- Berger iv-Nippon or Equivalent
4	Enamel Paint	i-Happilac ii-ICI iii- Berger iv-Nippon or Equivalent
4	Ceramic Tiles	i-Master ii-Stile iii- Shabir or Equivalent
Electrical & Plumbing Items		
5	Power Distribution Panels	i-Multitek ii- PEL iii- Tecmens or Equivalent
6-	Electrical Cables	i-Pakistan cables ii-Fast cables iii-Nweage cables or equivalent
7-	Light Fixtures	i-Philips ii-Sunlight iii-Peirlite or Equivalent
8-	Switches & Sockets	i-Clipsal ii-MK iii-Bosch iv-ABB or Equivalent
9-	Circuit Breakers	i-Siemens ii-Legrand iii-Schender iv-Mitsubishi or Equivalent
10-	Fans	i-Pak Fan ii-Royal Fan iii-Climax or Equivalent
11-	Pipes and fittings PPR	i-Dadex ii-Master Fit iii-Adamjee iv-Turk Plast or Equivalent
12-	uPVC pipes and fittings	i-Dadex ii-Beta iii-Master iv-Hi-TECH or Equivalent
13-	Sanitary fittings	i-Master

P-15/21



		ii-Grohe or Equivalent
14-	Sanitary Fixtures	i-Faisal ii-Master iii-ICL iv-Porta or Equivalent

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P- 16/21

RENOVATION OF ACADEMIC BLOCK GAJJU KHAN MEDICAL COLLEGE MTI
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S. No.	Description	Schedule Items Amount (Rs.)	Non-Schedule Items Amount (Rs.)	Total Amount (Rs.)
1	Civil Works	1,454,159	-	1,454,159
2	Plumbing Works	13,979		13,979
3	Electrical Works	48,155	-	48,155
	Total	1,516,293	-	1,516,293

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P-17/21

RENOVATION OF ACADEMIC BLOCK IN GAJJU KHAN MEDICAL COLLEGE MTI SWABI
CIVIL WORK

S. No	DESCRIPTION	Ref. #	Quantity	Unit	Unit Rate (Rs)	Total Amount (Rs)
1	Excavation in foundation of building, bridges etc complete : in ordinary soil	03-25-b	9.06	M ³	268.98	2,437.66
2	Dismantling : Plain Cement Concrete 1:4:8	04-19-a	0.09	M ³	1813.63	169.50
3	Dismantling : Plain Cement Concrete 1:2:4	04-19-c	0.45	M ³	3627.26	1,627.18
4	Dismantling glazed or accoustics tiles etc	04-46	3.72	M ²	267.92	995.99
5	Dismantling brick work in lime or cement mortar	04-13	0.13	M ³	1404.44	178.99
6	Plain Cement Concrete in foundations including placing, compacting, finishing & curing (Ratio 1:4:8).	06-05-i	2.62	M ³	7,002.53	18,344.21
7	Plain Cement Concrete including placing, compacting, finishing & curing (Ratio 1:2:4)	06-5-f	0.11	M ³	9,299.67	1,042.95
8	1st class brick work in foundation and plinth in Cement, sand mortar 1:5	07-04-a-04	2.97	M ³	11,520.94	34,259.38
9	1st class brick work in ground floor Cement, sand mortar 1:5	07-05-a-04	0.37	M ³	12,326.70	4,549.20
10	Provide & lay marble fine dressed stone flooring on surface in white cement complete: 3/4" thick 12 x 12 Sunny White Marble	10-26-c-ii	58.74	M ²	1,904.14	111,841.68
11	Chemical polishing of marble floor/ Dado	10-64	1,891.79	M ²	311.70	589,671.33
12	Cement Plaster 1:5, upto 20' height 3/4" thick	11-11-c	13.94	M ²	435.65	6,073.19
13	Distemping Old surface : Two coats	13-03-c-01	2,768.40	M ²	55.60	153,923.22
14	Painting old surfaces : Doors / windows any type First coat	13-02-c-01	232.57	M ²	154.19	35,860.64
15	Painting old surfaces : Doors / windows any type Each subsequent coat	13-02-c-02	232.57	M ²	117.47	27,320.51

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RENOVATION OF ACADEMIC BLOCK IN GAJJU KHAN MEDICAL COLLEGE MTI SWABI
CIVIL WORK

S. No	DESCRIPTION	Ref. #	Quantity	Unit	Unit Rate (Rs)	Total Amount (Rs)
16	Preparing surface & painting with snowcem / weathershield paint : First coat	13-25-a	159.39	M ²	238.73	38,050.37
17	Preparing surface & painting with snowcem / weathershield paint : 2nd & subsequent coats	13-25-b	159.39	M ²	122.18	19,473.86
18	Supply and Fixing accoustic mineral fibre tile ceiling fixed with aluminium tee hung by GI wire fixed in roof	10-47.	68.87	M ²	2,424.51	166,966.72
19	Providing and fixing First class shisham wood projected beading upto one sq.inch. (6.5sq.cm.) wide in section, designed, fixed around the panels of doors, windows of any description.	12-73-c	4.57	M	144.81	662.04
20	Providing and fixing PVC wall Panelling 9" wide and 10 ft long including all accessories of approved design in any color, shade and pattern in ground floor.	12-68.	135.69	M ²	1,391.15	188,761.99
21	Plain galvanized iron sheet flashing, 22 guage	09-19.	37.17	M ²	1,360.75	50,585.50
22	Repair of almirah/wardrobe i/c replacement of wooden strips, sheet, hinges where required complete In all respects	27-104-c	4.65	M ²	293.24	1,362.64
TOTAL SCHEDULE ITEMS						1,454,158.73

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RENOVATION OF ACADEMIC BLOCK IN GAJJU KHAN MEDICAL COLLEGE MTI SWABI

S.N o	DESCRIPTION	Ref. #	Quantity	Unit	Unit Rate (Rs)	Total Amount (Rs)
1	Providing and Fixing double seat & cover only : Plastic	14-02-b	2.00	Each	921.33	1,842.66
2	Providing and fixing choricum plated soap dish complete.	14-13	2.00	Each	829.33	1,658.66
3	Providing and Fixing CP (chromium plated) toilet paper holder complete	14-15	2.00	Each	802.84	1,605.68
4	Providing and fixing waste pipe of PVC of approved quality :1.25" (32 mm)	14-43-a	2.00	Each	229.36	458.72
5	Providing and Fixing low level plastic flushing cistern 3 gallons (13.63) liters capacity, complete in all respects	14-78	2.00	Each	3,544.00	7,088.00
6	S/F of pre cast slab of size 2'-6" x 1'-6" x 3" with 3/8" dia steel (Main & distribution) @ 4" c/c complete on drain	06-43-a	4.00	Each	331.37	1,325.48
TOTAL SCHEDULE ITEM						13,979.20


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D. 20/21

RENOVATION OF ACADEMIC BLOCK IN GAJJU KHAN MEDICAL COLLEGE MTI SWABI
INTERNAL ELECTRIFICATION

S. N	DESCRIPTION	Ref. #	Quantity	Unit	Unit Rate (Rs)	Total Amount (Rs)
1	Supply and Erection single phase imported auto circuit breaker 20	15-71-c	1	Each	950.4	950.40
2	Supply and Erection single phase imported auto circuit breaker 15 Amp.	15-71-b	1	Each	658.8	658.80
3	Supply and Fixing electric AC exhaust/fresh air circulation(double way) 220/230 single phase plastic frame body and blade complete 10"x10"	15-77-b	2	Each	4,953.40	9,906.80
4	supply &fixing 20Amp power plugh	15-81	1	Each	272.88	272.88
5	Supply and fixing electric AC exhaust/fresh air circulation(Double way) 220/230 single phase plastic frame body and blade complete 8"x8"	15-77-a	2	Each	4238.98	8,477.96
6	Supply, installation, connecting, testing & commissioning of 10W LED Down Light Fixture suitable for 1300 lux, as per instruction of Engineer, surface mounted circular shape or equivalent.	15-36-J-12	5	Each	1523.25	7,616.25
7	Supply and Erection best quality AC ceiling fan complete with GI rod, canopy, blades & regulator : 56" swee	15-68-c.	3	Each	6261.75	18,785.25
8	Supply at site, installation, testing and commissioning of 3 pin switched socket unit 20 Amps, 250Volts, round pin including appropriate size MS, powder coated back box, complete in all respects	15-127-k	2	Each	743.51	1,487.02
TOTAL SCHEDULE ITEMS						48155.36

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M M & E

P. 2/1/21