

**MEHRAN UNIVERSITY OF ENGINEERING AND
TECHNOLOGY, JAMSHORO**

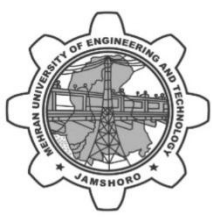
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TENDER DOCUMENT

FOR

**Construction of New 150 Boys Students
Hostel including Civil, Plumbing, Internal
Electrification & Boundary Wall at MUET,
Jamshoro**

**DEPUTY DIRECTOR
(Procurement)****“SAY NO TO CORRUPTION”**

No. & Dated: DD(Proc.)/MUET/JAM/-38, 26-03-2026

NOTICE INVITING TENDERS

All the interested Contractors / Firms / Parties meeting eligibility criteria, viz. having registration with Federal Board of Revenue (FBR) for Income Tax, Sales Tax (*Active Tax Payers*) in case of procurement of goods, registration with the Sindh Revenue Board (*Active Tax Payers*) in case of procurement of Works and Services and registration with Pakistan Engineering Council as the case may be and not black listed in any procuring agency or authority, are invited to participate in full / percentage / item rate tender for the following works:

S#	Name of Work	Estimated Cost	Tender Fee	Completion Time	Earnest Money @ 5%	Date of issuance	Date of Submission of Bids	Purchase From
1.	Construction of New 150 Boys Students Hostel including Civil, Plumbing, Internal Electrification & Boundary Wall at MUET, Jamshoro	Rs. 344.388 (M)	5000/-	18 Months	Rs. 17.220 (M)	01-04-2026	16-04-2026 upto 10.30 A.M	Through SPPRA EPADS
2.	Construction of Squash Court with Spectators Gallery at MUET, Jamshoro.	Rs. 72.748 (M)	5000/-	12 Months	Rs. 3.635 (M)	01-04-2026	16-04-2026 upto 11.00 A.M	Through SPPRA EPADS

The terms and conditions are given as under:-

1. E-Bidding documents as per regulations, containing detailed terms and conditions, specifications and requirements etc are available for the registered bidders on Sindh Public Procurement Regulatory Authority's EPADS at <https://portalsindh.eprocure.gov.pk/#/> and University website <https://www.mueta.edu.pk/tender-notice> on the payment noted above (non-refundable) on any working day except the day of opening of tenders. Also, original pay orders / demand drafts of requisite tender fee and 5% bid security of the total Quoted amount in favour of the Deputy Director (Procurement), MUET, Jamshoro must be sent to his office prior opening of bids.
2. The electronics bids, must be submitted by using EPADS on or before the date & time mentioned in above table. Manual bids will not be accepted. Electronic Bids will be opened for Sr. No. 1 on 16-04-2026 @ 11:00 (A.M) and for Sr. No. 2 on 16-04-2026 @ 11:30 (A.M), in presence of the representatives, who so ever will be present at that time. In case of any unforeseen situation resulting in closure of office on the date of opening or if Government declares Holiday the tenders shall be submitted / opened on the next working day at the same time & venue. Any conditional or un-accompanied of the earnest money, tender will not be considered in the competition.
3. The Method of Procurement is Single Stage – Two Envelope Procedure for both works. (*The bidders are required to submit hardcopy of Technical Proposals at the time of opening of bids*)
4. The Bidders should have at least 05 years' experience of same services in HEIs and large public sector organization.

5. The Bidders should be registered & active tax payers with tax paying agencies which would be verified by concerned agencies.
6. The Bidders should not be blacklisted in any procuring agency. (Affidavit is required)
7. The Bidders must have Electrical License of Hyderabad Region.
8. Bid proposals should be prepared & submitted in accordance with the terms & conditions given in Technical Evaluation Criteria of the bidding documents.
9. The bidders are required to offer Workable / feasible rates, however, abnormal rates offered will not be considered.
10. The Bidders should have at least for Sr. No.1 Rs. 350.000 (M) & Sr. No. 2 Rs. 75.000 (M), annual turnover of 05 years which would be verified by bank statement. (*Attached Annual Turnover Certificate to be issued by the concerned bank*).

The Procuring Agency reserves the right to reject any or all bids subject to relevant provisions of SPP Rules, 2010 (Amended time to time) and may cancel the bidding process at any time prior to the acceptance of a bid or proposal under Rule-25” of said Rules.

Sd/-

Deputy Director (Procurement),
Mehran University of Engg. & Tech. Jamshoro,
Phone No. 022-2109010 Fax: 022-2771403
Email: nadeem.soomro@admin.muet.edu.pk

TECHNICAL EVALUATION CRITERIA

The Bids which do not conform to the Technical Specifications or Bid conditions or the Bids from the Bidders without adequate capabilities/information will be rejected. The Eligible/Technically Qualified Bidders will be considered for further evaluation. Bids with required documents attached shall be evaluated on the score obtained and firms obtaining 75 marks shall be considered technically qualified.

Technical Bids will be evaluated on the basis of following criteria and Financial Bids of only those bidders will be opened who have qualified technically. However, bidders should also submit hard copy of technical profile in addition to upload same on EPAD's.

The bidders failing in Mandatory requirements will be disqualified technically.

Mandatory Requirements	Documents Required
Valid Registration with Pakistan Engineering Council in Civil Engineering Discipline with specialized codes CE09, CE10 & EE04	PEC Registration Certificate
Electrical Contractor License	Verified License issued from Electric Inspector/Secretary Licensing Board, Government of Sindh, Hyderabad, Region Hyderabad
PEC Constructor Category C-3 or above	PEC Certificate
Registration with FBR as an active Tax payer	NTN Certificate with Active status
Registration with SRB as an active Tax payer	SRB Certificate with Active status
Company/firm not black listed	Affidavit on stamp paper of Rs. 100 or above
Details of litigation/disputes or arbitration with clients	Affidavit on stamp paper of Rs. 100 or above

The bidders failing in Mandatory requirements will be disqualified technically.

A. Experience and Past Performance (Total: 45 Marks)

- List of completed projects (development work in Higher Educational Institutes including Hostels / Institutional / University Buildings with civil, plumbing and internal electrification works):
 - of atleast 50% amount of estimated cost undertaken in the last five (05) years (5 marks for each project, Maximum 2 projects) — 10 Marks
 - of atleast 80% amount or above of estimated cost undertaken in the last five (05) years (10 marks for each project, Maximum 2 projects) — 20 Marks
- List of completed projects (development work other than in Higher Educational Institutes including Hostels / Institutional / University Buildings with civil, plumbing and internal electrification works):
 - of atleast 50% amount of estimated cost undertaken in the last five (05) years (2.5 marks for each project, Maximum 2 projects) — 5 Marks

- of atleast 80% amount or above of estimated cost undertaken in the last five (05) years (5 marks for each project, Maximum 2 projects) — 10 Marks

3. List of ongoing projects — 15 Marks

a. Ongoing development work in (development work in Higher Educational Institutes including Hostels / Institutional / University Buildings with civil, plumbing and internal electrification works):

- of atleast 50% amount of estimated cost undertaken in the last five (05) years (3 marks for each project, Maximum 2 projects) — 6 Marks
- of atleast 80% amount or above of estimated cost undertaken in the last five (05) years (4.5 marks for each project, Maximum 2 projects) — 9 Marks

b. Ongoing development work in (development work other than in Higher Educational including Hostels / Institutional / University Buildings with civil, plumbing and internal electrification works):

- of atleast 50% amount of estimated cost undertaken in the last five (05) years (1.5 marks for each project, Maximum 2 projects) — 3 Marks
- of atleast 80% amount or above of estimated cost undertaken in the last five (05) years (3 marks for each project, Maximum 2 projects) — 6 Marks

Work Orders, Completion Certificates, Performance Certificates to be attached. However, verification will be done from concerned department/institute.

B. Key Personnel Qualification & Experience (Total: 10 Marks)

1. Project Manager – B.E. Civil Engineering with minimum 10 years experience — 4 Marks
2. Site Engineer – BE Civil Engineering — 2 Marks
3. Electrical Engineer – BE Electrical Engineering — 2 Marks
4. Quantity Surveyor – BE Civil Engineering — 1 Mark
5. Supervisor (B.Tech/Diploma Civil) — 1 Mark

CVs of key personnel shall be attached. Along with evidence (on payrolls/ bank statement of company/firm)

C. Equipment (Total: 10 Marks)

1. Details of equipment, machineries and transport owned by firm/contractor (Concrete Mixer, Vibrators, Scaffolding, Water Pumps, Plate Compactor, Generator, Survey Equipment, Vehicles) — 10 Marks
 - a) Owned — 10 Marks
 - b) Rental — 5 Marks

D. Financial Capability (Total: 15 Marks)

1. Annual average turnover of at least:
 - a. *Rs. 350.00 Million of last three (03) years — 3 Marks
 - b. *Rs. 450.00 Million of last three (03) years — 6 Marks
 - c. *Rs. 550.00 Million of last three (03) years — 9 Marks

*marks are subjected to availability of sufficient funds (25% of the estimated cost) in the account of firm at the time of publication of this NIT (Bank Statements required).

2. Bidders are required to submit Audited statements (audited by AA rated firm) showing verifiable UDIN (Unique Document Identification Number) along with Income tax returns for the last five (05) years must be attached. — 6 Marks

E. Category as per PEC Regulation (Total: 15 Marks)

1. PEC Registration in Category C-3 — 10 Marks
2. PEC Registration in Category C-2 and above — 15 Marks

F. Health, Safety and Environmental Compliance (Total: 5 Marks)

1. Submission of Project HSE Plan — 2 Marks
2. Qualified Safety Engineer — 2 Marks
3. ISO 45001 / ISO 14001 certification — 1 Mark

The bidder must provide verifiable documentary proof against all the mandatory requirements along with the Technical Proposal. Documents will not be received or considered after opening of the Technical Proposal.

**MECHANISM TO HANDLE TIE BIDS AS PER SPPRA NOTIFICATION
NO. Dir (M&CB)/SPPA/2025-26/673 dated 16th March, 2026**

- i.** Marks-Based Evaluation (Where Applicable): Where a marks-based evaluation methodology has been adopted by the Procuring Agency and a tie occurs between two or more bidders, the Procuring Agency shall rank the tied bidders on the basis of the highest aggregate marks obtained under the prescribed qualification and/or technical evaluation criteria.
- ii.** Relevant Experience: If the tie persists after applying criterion (i) above, or where a knock-out / Yes-No evaluation methodology has been applied without allocation of marks, the Procuring Agency shall assess the tied bidders on the basis of relevant experience. The bidder possessing a greater number of completion certificates for relevant and comparable works during the last five (05) years shall be ranked higher.
- iii.** Technical Capacity: Where the tie remains unresolved after applying criterion (ii) above, the Procuring Agency shall consider the technical capacity of the bidders. The bidder having a higher number of qualified professional engineers duly registered with the Pakistan Engineering Council (PEC), where applicable, on two-year payrolls / bank statements of the company / firm, supported by individual bank statements, shall be ranked higher. *Provided that in case of a Joint Venture (JV), the payroll / bank statements of the lead firm shall be considered for evaluation.*
- iv.** Draw / Toss among Tied Bidders: After exhausting all the above three criteria and recording the evaluation in writing, as a last resort, a draw / toss among the tied bidders shall be conducted in a transparent manner in the presence of the Procurement Committee and the tied bidders who choose to attend.

General Conditions

General Provisions

1.1 Definitions

In the Conditions of Contract (“these Conditions”), which include Particular Conditions, Parts A and B, and these General Conditions, the following words and expressions shall have the meanings stated. Words indicating persons or parties include corporations and other legal entities, except where the context requires otherwise.

- A. **“Employer”** means the Mehran University solely represented by the vice Chancellor of Mehran University.
- B. **“Contractor”** means the persons or, firm or company, whose tender has been accepted by the Employer and includes Contractors representative, successors and permitted assignees.
- C. **“Consultant”** means Naqvi & Siddiqui who prepared the Drawings, design and these documents, will provide consulting services to the Employer during construction.
- D. **“Executive Engineer”** means the authorized Officer of the University, who possess the role of Controlling and Co-ordination between University, Consultants and Contractor.
- E. **“Works”** means all the works and things to be executed, supplied or done in accordance with the contract.
- F. **“University”**: means Mehran University of Engineering & Technology, Jamshoro.

1.1.1 The Contract

1.1.1.1 “Contract” means the Contract Agreement, the Letter of Acceptance, the Letter of Tender, these Conditions, the Specification, the Drawings, the Schedules, and the further documents (if any) which are listed in the Contract Agreement or in the Letter of Acceptance.

1.1.1.2 “Contract Agreement” means the contract agreement referred to in Sub- Clause 1.6 [Contract Agreement].

1.1.1.3 “Letter of Acceptance” means the letter of formal acceptance, signed by the Procuring Agency, of the Letter of Tender, including any annexed memoranda comprising agreements between and signed by both Parties. If there is no such letter of acceptance, the expression “Letter of Acceptance” means the Contract Agreement and the date of issuing or receiving the Letter of Acceptance means the date of signing the Contract Agreement.

1.1.1.4 “Letter of Tender” means the document entitled letter of tender or letter of bid, which was completed by the Contractor and includes the signed offer to the Procuring Agency for the Works.

1.1.1.5 “Specification” means the document entitled specification, as included in the Contract, and any additions and modifications to the specification in accordance with the Contract. Such document specifies the Works.

1.1.1.6 “Drawings” means the drawings of the Works, as included in the Contract, and any additional and modified drawings issued by (or on behalf of) the Procuring Agency in accordance with the Contract.

1.1.1.7 “Schedules” means the document(s) entitled schedules, completed by the Contractor and submitted with the Letter of Tender, as included in the Contract. Such document may include the Bill of Quantities, data, lists, and schedules of rates and/or prices.

1.1.1.8 “Tender” means the Letter of Tender and all other documents which the Contractor submitted with the Letter of Tender, as included in the Contract.

1.1.1.9 “Bill of Quantities”, “Day work Schedule” and “Schedule of Payment Currencies” mean the documents so named (if any) which are comprised in the Schedules.

1.1.1.10 “Contract Data” means the pages completed by the Procuring Agency entitled contract data which constitute Part A of the Particular Conditions.

1.1.2 Parties and Persons

1.1.2.1 “Party” means the Procuring Agency or the Contractor, as the context requires.

1.1.2.2 “Procuring Agency” means the person named as employer in the Contract Data and the legal successors in title to this person.

1.1.2.3 “Contractor” means the person(s) named as contractor in the Letter of Tender accepted by the Employer and the legal successors in title to this person(s).

1.1.2.4 “Engineer” means the person appointed by the Procuring Agency to act as the Engineer for the purposes of the Contract and named in the Contract Data, or other person appointed from time to time by the Employer and notified to the Contractor under Sub-Clause 3.4 [Replacement of the Engineer].

1.1.2.5 “Contractor’s Representative” means the person named by the Contractor in the Contract or appointed from time to time by the Contractor under Sub-Clause 4.3 [Contractor’s Representative], who acts on behalf of the Contractor.

1.1.2.6 “Procuring Agency’s Personnel” means the Engineer, the assistants referred to in Sub-Clause 3.2 [Delegation by the Engineer] and all other staff, labour and other employees of the Engineer and of the Procuring Agency; and any other personnel notified to the Contractor, by the Procuring Agency or the Engineer, as Procuring Agency’s Personnel.

1.1.2.7 “Contractor’s Personnel” means the Contractor’s Representative and all personnel whom the Contractor utilizes on Site, who may include the staff, labour and other employees of the Contractor and of each Subcontractor; and any other personnel assisting the Contractor in the execution of the Works.

1.1.2.8 “Subcontractor” means any person named in the Contract as a subcontractor, or any person appointed as a subcontractor, for a part of the Works; and the legal successors in title to each of these persons.

1.1.2.9 “DB” means the person or three persons appointed under Sub-Clause 20.2 [Appointment of the Dispute Board] or Sub-Clause 20.3 [Failure to Agree on the Composition of the Dispute Board].

1.1.2.10 “FIDIC” means the Fédération Internationale des Ingénieurs-Conseils, the international federation of consulting engineers.

1.1.2.11 “Bank” means the financing institution (if any) named in the Contract Data.

1.1.2.12 “Borrower” means the person (if any) named as the borrower in the Contract Data.

1.1.3 Dates, Tests, Periods and Completion

1.1.3.1 “Base Date” means the date 15 days prior to the latest date for submission and completion of the Tender.

1.1.3.2 “Commencement Date” means the date notified under Sub-Clause 8.1 [Commencement of Works].

1.1.3.3 “Time for Completion” means the time for completing the Works or a Section (as the case may be) under Sub-Clause 8.2 [Time for Completion], as stated in the Contract Data (with any extension under Sub-Clause 8.4 [Extension of Time for Completion]), calculated from the Commencement Date.

1.1.3.4 “Tests on Completion” means the tests which are specified in the Contract or agreed by both Parties or instructed as a Variation, and which are carried out under Clause 9 [Tests on Completion] before the Works or a Section (as the case may be) are taken over by the Procuring Agency.

1.1.3.5 “Taking-Over Certificate” means a certificate issued under Clause 10 [Procuring Agency’s Taking Over].

1.1.3.6 “Tests after Completion” means the tests (if any) which are specified in the Contract and which are carried out in accordance with the Specification after the Works or a Section (as the case may be) are taken over by the Procuring Agency.

1.1.3.7 “Defects Notification Period” means the period for notifying defects in the Works or a Section (as the case may be) under Sub-Clause 11.1 [Completion of Outstanding Work and Remedying Defects], which extends over twelve months except if otherwise stated in the Contract Data (with any extension under Sub-Clause 11.3 [Extension of Defects Notification Period]), calculated from the date on which the Works or Section is completed as certified under Sub-Clause 10.1 [Taking Over of the Works and Sections].

1.1.3.8 “Performance Certificate” means the certificate issued under Sub-Clause 11.9 [Performance Certificate].

1.1.3.9 “day” means a calendar day and “year” means 365 days.

1.1.4 Money and Payments

1.1.4.1 “Accepted Contract Amount” means the amount accepted in the Letter of Acceptance for the execution and completion of the works and the remedying of any defects.

1.1.4.2 “Contract Price” means the price defined in Sub-Clause 14.1 [The Contract Price], and includes adjustments in accordance with the Contract.

1.1.4.3 “Cost” means all expenditure reasonably incurred (or to be incurred) by the Contractor, whether on or off the Site, including overhead and similar charges, but does not include profit.

1.1.4.4 “Final Payment Certificate” means the payment certificate issued under Sub-Clause 14.13 [Issue of Final Payment Certificate].

1.1.4.5 “Final Statement” means the statement defined in Sub-Clause 14.11 [Application for Final Payment Certificate].

1.1.4.6 “Foreign Currency” means a currency in which part (or all) of the Contract Price is payable, but not the Local Currency.

1.1.4.7 “Interim Payment Certificate” means a payment certificate issued under Clause 14 [Contract Price and Payment], other than the Final Payment Certificate.

1.1.4.8 “Local Currency” means the currency of the Country.

1.1.4.9 “Payment Certificate” means a payment certificate issued under Clause 14 [Contract Price and Payment].

1.1.4.10 “Provisional Sum” means a sum (if any) which is specified in the Contract as a provisional sum, for the execution of any part of the Works or for the supply of Plant, Materials or services under Sub-Clause 13.5 [Provisional Sums].

1.1.4.11 “Retention Money” means the accumulated retention moneys which the Procuring Agency retains under Sub-Clause 14.3 [Application for Interim Payment Certificates] and pays under Sub-Clause 14.9 [Payment of Retention Money].

1.1.4.12 “Statement” means a statement submitted by the Contractor as part of an application, under Clause 14 [Contract Price and Payment], for a payment certificate.

1.1.5 Works and Goods

1.1.5.1 “Contractor’s Equipment” means all apparatus, machinery, vehicles and other things required for the execution and completion of the Works and the remedying of any defects. However, Contractor’s Equipment excludes Temporary Works, Procuring Agency’s Equipment (if any), Plant, Materials and any other things intended to form or forming part of the Permanent Works.

1.1.5.2 “Goods” means Contractor’s Equipment, Materials, Plant and Temporary Works, or any of them as appropriate.

1.1.5.3 “Materials” means things of all kinds (other than Plant) intended to form or forming part of the Permanent Works, including the supply-only materials (if any) to be supplied by the Contractor under the Contract.

1.1.5.4 “Permanent Works” means the permanent works to be executed by the Contractor under the Contract.

1.1.5.5 “Plant” means the apparatus, machinery and vehicles intended to form or forming part of the Permanent Works, including vehicles purchased for the Procuring Agency and relating to the construction or operation of the Works.

1.1.5.6 “Section” means a part of the Works specified in the Contract Data as a Section (if any).

1.1.5.7 “Temporary Works” means all temporary works of every kind (other than Contractor’s Equipment) required on Site for the execution and completion of the Permanent Works and the remedying of any defects.

1.1.5.8 “Works” mean the Permanent Works and the Temporary Works, or either of them as appropriate.

1.1.6 Other Definitions

1.1.6.1 “Contractor’s Documents” means the calculations, computer programs and other software, drawings, manuals, models and other documents of a technical nature (if any) supplied by the Contractor under the Contract.

1.1.6.2 “Country” means the country in which the Site (or most of it) is located, where the Permanent Works are to be executed.

1.1.6.3 “Procuring Agency’s Equipment” means the apparatus, machinery and vehicles (if any) made available by the Employer for the use of the Contractor in the execution of the Works, as stated in the Specification; but does not include Plant which has not been taken over by the Employer.

1.1.6.4 “Force Majeure” is defined in Clause 19 [Force Majeure].

1.1.6.5 “Laws” means all national (or state) legislation, statutes, ordinances and other laws, and regulations and by-laws of any legally constituted public authority.

1.1.6.6 “Performance Security” means the security (or securities, if any) under Sub-Clause 4.2 [Performance Security].

1.1.6.7 “Site” means the places where the Permanent Works are to be executed, including storage and working areas, and to which Plant and Materials are to be delivered, and any other places as may be specified in the Contract as forming part of the Site.

1.1.6.8 “Unforeseeable” means not reasonably foreseeable by an experienced contractor by the Base Date.

1.1.6.9 “Variation” means any change to the Works, which is instructed or approved as a variation under Clause 13 [Variations and Adjustments].

1.2 Interpretation

In the Contract, except where the context requires otherwise:

- (a) words indicating one gender include all genders;
- (b) words indicating the singular also include the plural and words indicating the plural also include the singular;
- (c) provisions including the word “agree”, “agreed” or “agreement” require the agreement to be record in writing;

- (d) “written” or “in writing” means hand-written, type-written, printed or electronically made, and resulting in a permanent record; and
- (e) the word “tender” is synonymous with “bid”, and “tenderer” with “bidder” and the words “tender documents” with “bidding documents”.

The marginal words and other headings shall not be taken into consideration in the interpretation of these Conditions.

In these Conditions, provisions including the expression “Cost plus profit” require this profit to be one-twentieth (5%) of this Cost unless otherwise indicated in the Contract Data.

1.3 Communications

Wherever these Conditions provide for the giving or issuing of approvals, certificates, consents, determinations, notices, requests and discharges, these communications shall be:

- (a) in writing and delivered by hand (against receipt), sent by mail or courier, or transmitted using any of the agreed systems of electronic transmission as stated in the Contract Data; and
- (b) delivered, sent or transmitted to the address for the recipient’s communications as stated in the Contract Data. However:
 - (i) if the recipient gives notice of another address, communications shall thereafter be delivered accordingly; and
 - (ii) if the recipient has not stated otherwise when requesting an approval or consent, it may be sent to the address from which the request was issued. Approvals, certificates, consents and determinations shall not be unreasonably withheld or delayed. When a certificate is issued to a Party, the certifier shall send a copy to the other Party. When a notice is issued to a Party, by the other Party or the Engineer, a copy shall be sent to the Engineer or the other Party, as the case may be.

1.4 Law and Language

The Contract shall be governed by the law of the country or other jurisdiction stated in the Contract Data.

The ruling language of the Contract shall be that stated in the Contract Data.

The language for communications shall be that stated in the Contract Data. If no language is stated there, the language for communications shall be the ruling language of the Contract.

1.5 Priority of Documents

The documents forming the Contract are to be taken as mutually explanatory of one another. For the purposes of interpretation, the priority of the documents shall be in accordance with the following sequence:

- (a) the Contract Agreement (if any),
- (b) the Letter of Acceptance,
- (c) the Tender,
- (d) the Particular Conditions - Part A,
- (e) the Particular Conditions - Part B,

- (f) these General Conditions,
- (g) the Specification,
- (h) the Drawings, and
- (i) the Schedules and any other documents forming part of the Contract.

If an ambiguity or discrepancy is found in the documents, the Engineer shall issue any necessary clarification or instruction.

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PART II - SPECIAL /PARTICULAR CONDITIONS OF CONTRACT

1.1 Definitions

1.1.1.4 “Form of Bid” is synonymous with “Letter of Tender”.

1.1.1.5 “Bid” is synonymous with “Tender”.

1.1.1.10 “Bidding” is synonymous with “contract”. *The following paragraph is added:*

1.1.1.11 “Programme” means the programme to be submitted by the contractor in accordance with Sub-Clause 8.3 and any approved revisions thereto.

1.1.2.2 “Procuring Agency” is synonymous with “Procuring Agency” 1.1.2.9 “DB” is synonymous with “Committee”. 1.1.3.1 Replace 28 days by 7 days in LCB and 15 days in ICB.

1.1.3.7 “Defects notification Period” is synonymous with “Defects liability Period”.

1.15 **Inspections and Audit by the Bank** Deleted *Procuring Agency can retain this clause with or without changes, in case of contracts under Project, Bank and donor’s programme.*

Not Applicable.

3.1 Engineer’s Duties and Authority.

The following paragraph is added after duties:

Procuring agency shall ensure that the Engineer’s Representative / Staff is a professional engineer as defined in the Pakistan Engineering Council Act 1975 (V of 1976)

4.3 Contractor’s Representative

The following text is to be added after last line:

The contractor’s authorized representative and his other professional engineers working at site shall register themselves with the Pakistan Engineering Council.

6.10 Records of Contractor’s Personnel and Equipment

The following paragraph is added:

The Contractor shall, upon request by the Engineer at any time in relation to any item of hired Contractor’s Equipment, forthwith notify the Engineer in writing the name and address of the Owner of the equipment and shall certify that the agreement for the hire thereof contains a provision in accordance with the requirements set forth above.

The following sub-clause 7.9 is added in (GCC):

7.9 Use of Pakistani Materials and Services

The contractor shall, so far as may be consistent with the contract, make the maximum use of materials, supplies, plant and equipment indigenous to or produced or fabricated in Pakistan and services, available in Pakistan provided such materials, supplies, plant, equipment and services shall be of required standard.

8.1 Commencement of Works

The last para is deleted and substituted with the following: The contractor shall commence the works on site within the period named in Appendix-A to Bid from the date of receipt by him from the Engineer of a written Notice to Commence. Thereafter, the contractor shall proceed with the works with due expedition and without delay.

8.2 Prolonged Suspension

Replace 84 days by **120 days**.

8.3 Programme

The following text is to be added after [Commencement of Works] The programme shall be submitted in the either form of Bar Chart identifying the critical activities.

13.1 Right to vary

In the last line of Para, after the word "Variation", the word "in writing" is added.

13.3 Variation procedure

In the tenth line, after the words "as soon as practicable" following is added: "and within a period not exceeding one-eighth of the completion time"

13.8 Adjustment for changes in cost

Not applicable

Similarly reduction in the cost of these materials will also be recovered from the contractor accordingly

- 14.1 The Contract Price
Sub-para (d) is deleted.

14.2 Advance Payment

See Special Conditions.

Mobilization Advance/Advance Payment

See Special Conditions.

14.5 Plants and Materials intended for Works

Add the following paragraph as sub-clause 14.5 (d) for Secured Advance on non – perishable materials and sub-clauses (a), (b) and (c) will be applicable for plants only :-

- (I) The Contractor shall be entitled to receive from the procuring agency Secured Advance against an **INDENTURE BOND** in Public Works Account Form No.31 (Fin. R. Form No. 2) acceptable to the procuring agency of such sum as the Engineer may consider proper in respect of non-perishable materials brought at the site but not yet incorporated in the Permanent Works provided that:
- (i) The materials are in accordance with the specifications for the permanent works;
 - (ii) Such materials have been delivered to the site and are properly stored and protected against loss or damage or deterioration to the satisfaction and verification of the Engineer/Assistant Engineer but at the risk and cost of the Contractor;
 - (iii) The Contractor's records of the requirements, orders, receipts and use of materials are kept in a form approved by the Engineer, and such records shall be available for inspection by the Engineer;

- (iv) The Contractor shall submit with his monthly statement the estimated value of the materials on site together with such documents as may be required by the Engineer for the purpose of valuation of materials and providing evidence of ownership and payment therefore;

BIDDING DATA

BIDDING DATA

(This section should be filled in by the Engineer/Procuring Agency before issuance of the Bidding Documents).

- a) Name & Address of the procuring agency : Mehran University of Engineering & Technology, Jamshoro.
- b) Brief Description of Works : **Construction of New 150 Boys Students Hostel including Civil, Plumbing, Internal Electrification & Boundary Wall at MUET, Jamshoro.**
- c) Estimated Cost : **Rs. 344.388 (M)**
- d) Amount of Bid Security : **5% (Rs. 17.220 million)**
- e) Period of Bid Validity : **90 days.**
- f) Amount of Performance Security : **5%**
- g) Percentage if any, to be deducted from bill : **5%**
- Tenders will be issued from **1st April, 2026**
- h) Deadline of submission of Bids along with time : **16-04-2026 upto 10:30 (A.M)**
Bidders are advised to submit bids through EPADS. Manual bids will not be entertained / received.
- I) Venue, Date & Time of Bid opening : Office of the Deputy Director (Procurement), MUET, Jamshoro
16-04-2026 @ 11:00 (A.M)
Bids shall be opened through EPADS.
- j) Time for Completion from written order of commence : **Commencement within 07 days after award of Contract and Completion within 18 Months after the award of Contract**
- k) Liquidity damages : ----- (0.05% of Estimated cost or Bid cost)
- l) Stamp duty
0.35% or notified by the Govt. of Sindh, will be paid by successful bidder as stamp duty.
- m) Deposit Receipt No: Date: Amount:

**FORM OF BID
AND
APPENDICES TO BID**

FORM OF BID

Bid Reference No. DD(Proc)/MUET/JAM/-38 dated 26-03-2026.

To:

1. Having examined the bidding documents including Instructions to Bidders, Bidding Data, and Conditions of Contract, Specifications, Drawings and Bill of Quantities and Addenda Nos. _____ for the execution of the above-named work, we/I, the undersigned, offer to execute and complete the work and remedy any defects therein in conformity with the Conditions of Contract, Specifications, Drawings, Bill of Quantities and Addenda for the sum of Rs. _____ (Rupees _____) or such other sum as may be ascertained in accordance with the said conditions.
2. We/I 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/I submit herewith a bid security in the amount of Rupees _____ (Rs. _____) drawn in your favour or made payable to procuring agency and valid for a period of _____ days beginning from the date, bid is opened.
4. We/I 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 Appendix-A to Bid.
5. We/I agree to abide by this bid for the period of _____ days from the date fixed for opening 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.

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

9. We undertake, if our/my bid is accepted, to execute the Performance Security referred to in Clause 10 of Conditions of Contract for the due performance of the Contract.
10. We confirm, if our bid is accepted, that all partners of the joint venture shall be liable jointly and severally for the execution of the Contract and the composition or the constitution of the joint venture shall not be altered without the prior consent of the procuring agency. *(Please delete this in case of Bid form a single bidder)*
 in the capacity of _____ duly authorized to sign Bids for and on behalf of

Dated this _____ day of _____ 20_____

Signature: _____

(Name of Bidder in Block Capitals)
(Seal)

Address: _____

Witness:

Signature: _____

Name: _____

Address: _____

Occupation: _____

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SPECIAL STIPULATIONS
Clause
Conditions of Contract

1.	Engineer representing Consulting Firm hired by the procuring agency to issue variation in case of emergency.	3.1	Up to 2% of the contract price stated in the Letter of Acceptance.
2.	Amount of Performance Security	4.2	5% at the time of Bid Submission and 5% deductible from the running bills
3.	Time for Furnishing Program	8.3	Within 07 days from the date of receipt of Letter of Acceptance.
4.	Minimum amount of Third Party Insurance	18.3	Rs. _____ per occurrence with number of occurrences unlimited. N/A.
5.	Time for Commencement	8.1	Within 07 days from the date of receipt of Engineer's Notice to Commence, this shall be issued within fourteen (14) days after signing of Contract Agreement.
6.	Time for Completion (works & sections)	8.2 & 10.2	18 Months from the date of receipt of Engineer's Notice to Commence.
7.	Amount of Liquidity Damages/ Delay Damages/ Penalties	8.7	0.05% Damages per day but total amount will not be more than 10% of contract Price.
8.	Defects Liability Period	11.1	12 Months from the effective date of Taking Over Certificate.
9.	Percentage of Retention Money	14.2	5% of the amount of Interim / Running Payment Certificate.
10.	Limit of Retention Money	14.2	10% of Contract Price stated in the Letter of Acceptance.
11.	Minimum amount of Interim / Running Payment Certificates	14.2	Rs. _____ N/A.
12.	Time of Payment from delivery of Engineer's Interim/Running Payment Certificate to the procuring agency.	14.7	30 days.
13.	Mobilization Advance.	14.2	N/A.
14.	Escalation		Escalation shall be paid separately as per Notifications issued by Govt. of Sindh from time to time after the opening date.
15.	Action when whole of the security deposit is forfeited:	Clause- 1.	In any case in which under any clause or clauses of this contract the Contractor shall have

		<p>rendered himself liable to pay compensation amounting to the whole of his security deposit (whether paid in one sum or deducting by installment) I or in the case of abandonment of the work owing to the serious illness or death of the Contractor or any other case, the Executive Engineer, on behalf of the Mehran University of Engineering, & Technology, Jamshoro, shall have power to adopt any of the following courses, as he may deem best suited to the interests of University.</p> <p>(a) To rescind the contract (of which rescission notice in writing to the contractor under the hand of the Executive Engineer shall be conclusive evidence) and in that case the security deposit of the Contractor shall stand forfeited and absolutely at the disposal of University.</p> <p>(b) To employ labour paid by the University to carry out the work, or any part of the work, debiting the Contractor with the cost of the labour (as to the correctness of which cost and price the certificate of Executive Engineer shall be final and conclusive against the Contractor) and crediting him with the value of the work done, in all respects in the same manner and at the same rates as if it had been carried out by the Contractor under the terms of his contract; and in that case the certificate of the Executive Engineer as to the value of the work done shall be final and conclusive against the Contractor.</p> <p>(c) To measure up the work of the Contractor and to take such part thereof as shall be unexpected out of his hands, and to give it to another Contractor to complete it, in which case any expenses which may be incurred in excess of the sum which would have been paid to the original Contractor if the whole work had been executed by him (as to the amount of which excess expenses the certificates in writing of the Executive Engineer shall be final and conclusive) shall be borne and paid by the original Contractor and shall be deducted from any money due to him by University under the contractor or otherwise or from his security deposit or the proceeds of sale thereof, or a sufficient part thereof.</p> <p>In the event of any of the above courses being adopted by the Executive Engineer Contractor shall have no claim to compensation for any loss sustained by him-by reason of his having purchased or procured any materials, or entered into any engagements, or made any advance on account of or with a view to the execution of the work or the performance of the contract. And in case the contract shall be rescinded under the provision aforesaid, the Contractor shall not be entitled to recover or be paid any sum for any</p>
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			work therefore actually performed by him under this contract unless and until the Executive Engineer shall have certified in writing the performance of such work and the amount payable in respect thereof, and he shall only be entitled to be paid the amount so certified.
16	Action when the progress of any particular position of the work is unsatisfactory:	Clause-2	If the progress of any particular portion of the work is unsatisfactory. Executive Engineer on recommendation of Engineer, shall not withstanding that the general progress of the work is in accordance with the conditions, be entitled to take action under clause 1 (b) after giving the Contractor 10 days' notice in writing. The Contractor will have no claim for compensation; for any loss sustained by him owing to such no claim for compensation, for any loss sustained by him owing to such action.
17	Contractor remains liable to pay compensation if action not taken under clause 3 and 4. power to take possession of or required removal of or sell contractor's plant	Clause-3	In any case in which any of the power conferred upon the Executive Engineer by clause 1 and 2 hereof shall have become exercisable and the same shall not have been exercised the non-exercised thereof shall not constitute a waiver of any of the conditions hereof and -such powers shall notwithstanding be exercisable in the event of any future case of default by the Contractor for which under any clause or clauses hereof he is declared liable to any compensation amounting if the whole of his security deposit and the liability of the Contractor for past and future compensation shall remain unaffected. In the event of the Executive Engineer taking action under sub-clause (a) or (c) of clause 1, he may, if he so desires, take possession of all or any tools, plant, materials and stores in or upon the works, of the site thereof or belonging to the Contractor or procured by him and intended to be used for the execution of the work or any part thereof, paying or allowing for the same in account at the contract rate, or in the case of contract not being applicable, at current market rates, to be certified by the Executive Engineer whose certificate thereof shall be final. In the alternative, the Executive Engineer may, after giving notice in writing to the Contractor or his clerk of the work foreman or other authorized agent, required him to remove such tools, plant materials, or stores from the premises within a time to be specified in such notice, and in the event of the Contractor is failing to comply with any such requisition, the Executive Engineer may remove them at the Contractor's expense or sell them by auction or private sale on account of the Contractor and at his risk in all respects, and the certificate of the Executive Engineer as to the expense of any such removal and the amount of the proceeds and expense of any such sale shall be final and conclusive against the Contractor.

18	Extension Of Time	Clause-4	<p>If the Contractor shall desire an extension of the time for completion of the work on the ground of his having been unavoidable hindered in its execution or on any other ground, he shall apply in writing to the Executive Engineer within 30 days from the date of which the execution of the work, was hindered as aforesaid or on which the ground for asking for extension arose and in any case before the date of completion of the work and the Executive Engineer may, if in his opinion, there are reasonable grounds for granting an extension, grant such extension as he thinks necessary or proper. The decision of the Executive Engineer in this matter shall be final.</p> <p>Provided that where the Contractor is hindered in the execution of the work on account of any act or omission on the part of the University or its authorized officers, the Executive Engineer may at any time before the date of completion and on his own initiative extend the time for completion of the work for such period as he may think necessary or proper.</p> <p>Where time has been extended under this or any other clause of this agreement the date for completion of the work shall be the date fixed by the order giving the extension or by the aggregate of all such orders, made under this agreement.</p> <p>When time has been extended as aforesaid, it shall continue to be the essence of the contract and all clauses of the contract shall continue to be operative during the extended period.</p>
19	Final Certificate	Clause-5	<p>On completion of the work the Contractor shall be furnished with a certificate by the Engineer of such completion, but no such certificate shall be given nor shall the work be considered to be complete until the Contractor shall have removed from premises on which the work shall have been executed all scaffolding surplus materials and rubbish and shall have cleaned the site of work in and around the structures / works completed and shall have cleaned off the dirt from all woodwork, doors, windows, walls, floors, or other parts of any building in or upon which the work has been executed, or of which he may have had possession for the purpose of executing the work, nor until the work shall have been measured by the Engineer or where the measurements have been taken by his subordinate until they have received the approval of the Executive Engineer, the said measurements being binding and conclusive against the Contractor. If the Contractor shall fail to comply with the requirements of this clause is to the removal of scaffolding, surplus materials and rubbish and shall have cleared the site of work in and around the structures/works completed and dispose of the same as he thinks fit and clean of such dirt as aforesaid; and the</p>

			contracts shall have no claim in respect of any such scaffolding or surplus materials as aforesaid except for any such actually realized by the sale thereof.
20	Payment Of Intermediate Certificate To Be Regarded As Advance	Clause-6	No payment shall be made for any work, estimated to cost less than rupees ten thousand till after the whole of the work shall have been completed and a certificate of completion given. But in the case of work estimated to cost more than rupees ten thousands, the Contractor shall on submitting bill therefore, as provided in Clause-10 be entitled to receive payment proportionate to the part of the work then approved and passed by the Engineer and Executive Engineer, whose certificate such approval and passing of the sum so payable shall be final and conclusive against the Contractor. All such intermediate payments shall be regarded as payments by way of advance against the final payments only and not as payment for work actually done and completed, and shall not preclude the Engineer and Executive Engineer from requiring any bad, unsound, imperfect or unskillful work to be removed or taken away and reconstructed, or re-erected, nor shall any such payment be considered as an admission of the due performance of the contract or any part thereof in any respect or the occurring of any claims; nor shall it conclude, determine, or affect in any other way the powers of the Executive Engineer as to the final settlement and adjustment of the accounts or otherwise, or in any way vary or effect the contract. The final bill shall be submitted by the Contractor within one month of the date fixed for the completion of the work otherwise Engineers certificate of the measurements and of the total amount payable for the work shall be final and binding on all parties.
21	payment at reduced rates of account of item of work not accepted as completed to be at the discretion of the Executive Engineer	Caluse-7	The rates for several items of works estimated to cost more than 1,000.00, agreed to within shall be valid only when the item concerned is accepted as having been completed fully in accordance with the sanctioned specifications. In cases where the items of work are not accepted as so completed the Engineer may certify payment on account of such items at such reduced rates as he may consider reasonable in the preparation of final or on account bills.
22	Bills to be submitted monthly	Clause-8	A bill shall be submitted by the Contractor as frequently the progress of the work may justify for all the work executed and not included in any previous bill and the Engineer shall take or cause to be taken the; requisite measurements for the purpose of having the same verified and the claims, as far as admissible, adjusted, if possible before the expiry of 21 days from the presentation of the bill at any time depute a subordinate to measure up the said work in the

			<p>presence of the Contractor or his authorized agent, whose counter signature to the measurement list will be sufficient warrant and the Executive Engineer may prepare a bill from such list which shall be binding on tilted Contractor in all respects. In case the Contractor or his authorized agent is not present at the site of work at the time fixed for recording measurements, or being present, does not counter sign the measurement list, the measurements recorded by the Engineer or his authorized subordinate shall be treated by the Engineer or his authorized subordinate shall be treated as correct and binding on the Contractor unless the Contractor within seven days of date of recording such measurements submit to the Executive Engineer a detailed letter pointing out the errors or omissions in the record measurements. In case of such disagreement, the Executive Engineer shall held or cause to be hold the site investigations and give his decision. The decision of the Executive Engineer shall be final.</p>
23	Bills to Be Printed On Forms	Clause-9	<p>The Contractor shall submit all bills on his own primed forms. The bills shall be submitted to the Engineer in triplicate who will then scrutinize these bills and forward two copies to the Executive Engineer and retain one copy in their office. The charges to be made in the bills shall always be entered at the rates specified in the tender or in the case of any extra work ordered in pursuance of these conditions, and not mentioned or provided for in the tender at the rates hereinafter provided for such work.</p>
24	Store Supplied By University	Clause-10	<p>If the specification or estimate of the work provides for the use of an' special description of materials to be supplied from the store of the University or if it is required that the Contractor shall use certain stores to be provided by the Executive Engineer such material and stores, and the prices to be charged therefore as hereinafter mentioned being so far as practicable for the convenience of the Contractor but not so as any way to control the meaning of effect of this contract specified in the schedule or memorandum hereto annexed, required from time to time to be used by him for the purpose of the contract only and the value of the full quantity of the materials and stores so supplied shall be sent off or deducted from any sums then due, or thereafter to become due to the Contractor under the contract, otherwise, or from the security deposits, or the proceed of sale thereof, if the security deposit as held in Government securities the same or a sufficient portion hereof shall in that case be sold for the absolute property of University and shall on no account remove from the site of the work, and shall at all times be open to inspection by the</p>

			Executive Engineer. Any such materials unused and perfectly good condition at the time of completion or determination of the contracts shall be returned to the University Stores, if the Executive Engineer so requires by a notice in writing under his hand, but the Contractor shall not be entitled to return any such materials except with the consent of the Executive Engineer and he shall have no claim for compensation on account of any such material supplied to him as aforesaid but remaining unused by him or for, any, wastage in or damage to any such materials.
25	Works to be executed in accordance with specifications. Drawings. Orders etc.	Clause-11	The Contractor shall execute the whole and every part of the work in the most substantial and workmanlike manner and both as regards materials and all other matters in strict accordance with the specifications lodged in the office of the Executive Engineer and initialed by the parties, the said specification being a part of the contract. The contractor shall also conform exactly, fully and faithfully to the designs, drawings and instruction in writing relating to the work signed by the Executive Engineer and lodged in his office and to which the Contractor shall be entitled to have access at such office or on the site of work for the purpose of inspection during office hours and the Contractor shall if he so requires, be entitled at his own expenses to make or cause to be made copies of the specifications, and of all such designs drawings and instructions as aforesaid
26	Alterations in specifications and design. Not to invalidate contracts	Clause-12	The Executive Engineer on the recommendation of Engineer shall have power to make any alterations in, or additions to the original specifications, drawings, designs and instructions that may appear to him to be necessary or advisable during the progress of the work and the contractor shall be bound to carry out of the work, in accordance with any instructions in this connection which may be given to him in writing by the Executive Engineer and such alterations shall, not invalidate the contract; and any altered or additional work which the Contractor may be directed to do in the mentioned above specified subject to the limit laid down in clause 37 below as part of the work shall be carried out by the Contractor on the same conditions in all respects on which he agreed to do the main work and at the same rate as re specified in the tender for the main work. The time for completion of the work shall be extended in the proportion that the additional work bears to the original contract work, and the certificate of the Executive Engineer as to such proportion shall be conclusive. And if the altered or additional work includes any class of work for which no rate is specified in its contract, then such class of work

			shall be paid for at () percent below/above the rates shown for such work in the Government of Sind Schedule of rates 2004, as amended from time to time and if such last mentioned class of work is not entered in the Government of Sind Schedule of Rates 2004 as of the date of receipt by him of the order to carry out the work, inform the Executive Engineer through the Consultants of the rate which it is his intention to charge for such class of work, and if the Executive Engineer and the Consultants are satisfied with the rate analysis, then he shall allow him that rate, but if the Owner does not agree to this rate, he shall be notified in writing be at liberty to cancel his order to carry out such class of work, and arrange to carry it out in such manner as he may consider advisable, provided always that if the Contractor shall commence work or incur any expenditure in regard thereto before the rates shall have been determined as lastly hereinbefore mentioned then in such case he shall only be entitled to be paid in respect of the work carried out for expenditure incurred by him prior the work carried out for expenditure incurred by him prior to the date of the determination of the rate as aforesaid according to such rate or rates as shall be fixed by the Owner. In the event of a dispute, the decision of the Executive Engineer will be final, conclusive and binding.
27	No Claim to any payment Or Compensation for alteration In OR Restriction of work	Clause-13	If at any time after the execution of the contract documents the Executive Engineer shall for any reason whatsoever in the tender to be carried out at all or carried out in part by the Contractor, he shall give notice in writing of the fact to the Contractor, who shall thereupon have no claim to any payment of compensation whatsoever on account of any profit or advantage which he might have derived from the execution of the work in full but which he did not so derive in consequence of the full amount of the work not having been carried out, neither shall he have any claim for compensation by reason of any alterations, having been made in the original specifications, drawings, designs, and instruction, which may involve any curtailment of the work as original contemplated. Where materials have already been collected at site of the work before the receipt of the said notice to stop or curtail the work, the Contractor shall be paid for such materials at the rates determined by the Executive Engineer provided they are not in excess of requirements and are of approved quality.
28	Time Limit for Unforeseen Claims	Clause-14	Under no circumstances whatsoever shall the contractor be entitled to any compensation from Authority on any account unless the Contractor shall have submitted a claim in writing to the Executive Engineer within one month of the

			cause of such claim occurring. The Contractor shall give full details of such claim, indicating the part of the work is the subject matter of such claim, the reasons giving rise to the said claim and submit as far as possible, documentary evidence in support of the reasons and the calculations for such claim. The claim shall not be considered as valid or payable unless it has been scrutinized & accepted by the Engineer and Executive Engineer & will become payable only to the extent upto which it has been accepted by the Executive Engineer.
29	Action and Compensation In Case Of Bad Work	Clause-15	If at any time before the security deposit is refunded to the Contractor, it shall appear to the Executive Engineer or his subordinate-Incharge of the work, that any work lies been executed with unsound, imperfect or unskilled workmanship or with materials of inferior quality, or that any materials or articles provided by him for the execution office work are unsound, or of quality inferior to that contracted for, or are otherwise not in accordance with the contract, shall be lawful for the Executive Engineer to intimate this fact in writing to the Contractor and then notwithstanding the fact that the work, materials or articles complained of any have been inadvertently passed, certified and paid for the Contractor shall be bound forthwith to rectify or remove and reconstruct the work so specified in whole or in part, as the case may require, or if so required shall remove the materials or articles, and provide other proper and suitable materials or articles at his own proper charge and cost; and in the event of his failing to do so within a period to be specified by the Executive Engineer in the writing intimation aforesaid, the Contractor shall be liable to pay compensation at the rate of one percent, on the amount of the estimate for every day not exceeding ten days, during which the failure so continues, and in the case of any such failure the Executive Engineer may rectify or remove, and re-execute the work or remove and replace the materials or articles complained of as the case may be as the risk and expense in all respects of the Contractor. Should the Executive Engineer consider that any such inferior work or materials as described above may be accepted or made use of it shall be within the discretion to accept the same at such reduced rates as he may fix thereof.
30	Work to be open to Inspection Contractor Or responsible agent to be present	Clause-16	All works under or in course of execution or executed in pursuance of the contract shall at all times be open to the inspection and supervision of the Engineer and Executive Engineer or his subordinates, and the Contractor shall all times during the usual working hours, and at all other times at which reasonable notice of the intention of the Engineer and Executive Engineer or his

			subordinate to visit the work shall have been given to the Contractor, either himself be present to receive orders and instructions, or have responsible agent duly accredited in writing present for that purpose. Orders given to the Contractor's duly authorized agent shall be considered to have the same force and effect as if they had been given to the Contractor himself.
31	Notice To Be Given Before Work Is Covered Up	Clause-17	The Contractor shall give not less than five days notice in writing to the Engineer and Executive Engineer or his subordinate-in-charge of the work before covering up or otherwise placing beyond the reach of check, inspection & measurement any work in order that the same may be verified, checked, inspected and measured, and correct dimensions thereof taken before the same is so covered up or planned beyond the reach of verification check, inspection & measurement, and shall not cover up or place beyond the reach of verification, check, inspection and measurement any work without the consent in writing of the Engineer and Executive Engineer or his subordinate-Incharge of the work, and if any work shall be covered up or placed beyond the reach of verification, check, inspection & measurement any work without the consent in writing of the Executive Engineer or his subordinates Incharge of the work, and if any work shall be covered up or placed beyond the reach of verification, check inspection & measurement without such notice having been given to consent obtained, the same shall be uncovered at the Contractor's expense, and in default thereof no payment or allowance shall be made for such work, or for the materials with which the same was executed.
32	Contractor Liable For Damage Done And For Imperfections For Three Months After Certificate	Clause-18	If the Contractor or his workmen, or servants shall break, deface, destroy any part of a building in which they may be working, or any building, road, fence, enclosure or overhead or underground service lines of water supply, sewerage, electricity, telephone, gas etc. or grass land or cultivated ground continuous to the premises on which the work or any part thereof is being executed, or if any damage shall be done to the work, while it is in progress from any cause whatever or if any part thereof in being executed, or if any damage shall be done to the work, while it is in progress from any cause whatever or if any imperfections become apparent in it within three months of the grant of a certificate of completion, final or otherwise, by the Executive Engineer, the Contractor shall make good the same his own expense, or in default the Executive Engineer may cause the same to be made good by other workmen, and deduct the expenses of (which the certificate of the Executive Engineer shall be final) from any sums that may then be due or may thereafter

			become due to the Contractor, or from his security deposits or the proceeds of sale thereof, or of a sufficient portion thereof or any of his dues available against other works with the University or as arrears of land revenue in case no dues are available or the amount available falls short of the total recoveries.
33	Contractor to supply plant ladders. Scaffolding etc. And is liable for damages arising on provision of lights. Fencing etc.	Clause-19	The Contractor shall supply at his own cost all materials, plant, tools, appliances, implement, ladders, cordage, tackle, scaffolding and temporary work requisite or proper for the execution of the work, whether in the original, altered or substituted form, and whether included in the specification, or other documents, forming part of the contract or referred to in these conditions or not, and which may be necessary for the purpose of satisfying or complying with the requirements of the Executive Engineer as to any matters as to which under these conditions he is entitled to be satisfied or which he is entitled to require together with carriage therefore to and from the work. The Contractor shall also supply without charge the requisite number of persons with the means and materials necessary for the purpose of setting out works, and counting, weighing and assisting in the measurement or examination at any time and from time to time of the work or the materials. Failing this the same may be provided by the Executive Engineer at the expense of the Contractor and the expenses may be deducted from any money due to the Contractor under the contract, or from his security deposit or the proceeds of sale thereof or of a sufficient portion thereof. The Contractor shall provide all necessary fencing and lights required to protect the public from accident, and shall also be bound to bear the expenses of defense of every suit, action or other legal proceedings, that may be brought by any person for injury sustained owing to neglect of the above; precautions, and to pay any damages and costs which may be awarded in any such, suit action or proceeding to any such person, or which may with the consent of the Contractor be paid for comprising any claim by any such person.
34	Measure For Prevention Of Fire	Clause-20	The Contractor shall not set fire to any standing jungle, trees, bush-wood or grass without a written permit from the Executive Engineer. When such permit is given, and also all cases when destroying cut or dug up trees, brushwood, grass etc., by fire; the Contractor shall take necessary measures to prevent such fire spreading to otherwise damaging surrounding property. The Contractor shall make his own arrangements at his cost and expense for providing drinking water and water for domestic

			<p>use of his labour employed in connection with the execution of the works as also for the use of his labour employed in connection with the execution of the works as also for use on the works itself. However, in case the Contractor is not able to make his own arrangements for water, the same could at the discretion of the Executive Engineer be supplied by the owner in which case the recovery against the water charges at 2% of the cost of these items of work on which the water is used in the construction shall be made from the bills of the Contractor.</p>
35	Liability Of Contractor For Any Damage Done In Or Outside Work Area	Clause-21	<p>Compensation for all damage done intentionally or unintentionally by Contractor's labour whether in or beyond the limits of University property including any damage, caused by the spreading of fire mentioned in clause 22 shall be estimated by the Executive Engineer or such other officer as he may appoint and the estimates of the Executive Engineer shall be final and the Contractor shall be bound to pay the amount of the assessed compensation on demand failing which the same will be recovered from the Contractor as damages in the manner prescribed in clause 1 or deducted by the Executive Engineer from any sums that may be due or become due from University of the Contractor under this contract or otherwise.</p> <p>The Contractor shall bear the expenses of defending any action or other legal proceedings that maybe brought by any person, party or authority for injury sustained "by him owing to neglect of precaution to prevent the spread of fire and he shall pay any damages and cost that may be awarded by the court in consequence.</p>
36	Employment Of Female Labour	Clause-22	<p>The employment of female labour on works in the neighborhood of soldiers' barracks should be avoided as far as possible.</p>
37	Work On Sunday	Clause-23	<p>No work shall be done on a Sunday or a public holiday without the prior sanction in writing of the Executive Engineer.</p>
38	Work not be sublet. Contractor may be rescinded & security deposit forfeited for subletting it without approval"	Clause-24	<p>The Contractor shall not be assigned or sub-let without the written approval of the Executive Engineer. And if the Contractor shall assign or sublet his contract, or attempt to do, or become insolvent or make any composition with his creditors or attempt to do, the Executive Engineer may, by notice in writing rescind the contract.</p> <p>The Contractor shall keep full and true accounts in respect of the contract works in the regular course of business and shall whenever called upon by the Executive Engineer by notice in writing, produce them for inspection by him or by any officer appointed by him in that behalf. Also if any bribe, gratuity, gifts, loan, reward or advantage pecuniary or otherwise, shall either directly or indirectly be given, promised or offered by the Contractor or any of his servants</p>

			or agents to any public officer or person in the employment of University in any way relating to his office or employment or if any such officer or person shall become in any way directly or indirectly interested in the contract or if the Contractor does not keep account or fails to produce them as aforesaid, the Executive Engineer may give notice in writing rescind the contract. In the event of a Contract being rescinded the security deposit of the Contractor shall thereupon stand forfeited and be absolutely at the disposal of University and the same consequences shall ensure as if the contract had been rescind under clause 3 hereof and in addition the Contractor shall not be entitled to recover or be paid for any work therefore actually performed under the contract.
39	Sum Payable By Way Of Compensation To Be Considered As Reasonable Compensation Without Reference To Actual Loss	Clause-25	All sums payable by a Contractor by way of compensation under any of these conditions shall be considered as a reasonable compensation to be applied to the use of University without reference to the actual loss or damage sustained and whether any damage has or has not been sustained.
40	Changes In The Constitution Of Firm To Be Notified	Clause-26	In the cases of a tender by partners any change in the constitution of a firm shall be forthwith notified by the Contractor to the Executive Engineer for his information.
41	Work To Be Under Direction Of Engineer, Consultant And Executive Engineer	Clause-27	All works to be executed under the contract shall be executed under the direction and subject to the approval in all respects of the Engineer and Executive Engineer for the time being, who shall be entitled to direct at what point or points and in what-manner they are to be commenced, and from time to time carried on.
42	Decision Of Executive Engineer To Be Final	Clause-28	Except where otherwise specified in the contract and subject to The powers delegated to him by authority under the Code rules then in force, the decision of the Executive Engineer shall be final, conclusive, and binding on all parties to the contract upon all questions relating to the meaning of the specifications, design, drawings, and instructions hereinbefore mentioned and as to the quality of workmanship, or materials used on the work, or as to any other question claim, right, matter or the thing whatsoever in any way arising out of, or relating to the contract, design, drawings, specifications, estimates, instructions, orders of these conditions, or otherwise considering the works, or the execution, or failure to execute the same, whether arising, during the progress or the work, or after the completion on abandonment thereof.
43	Lump Sum In Estimates	Clause-29	When the estimate on which a tender is based includes one or more items with lump sum rates or lump sum amount the Contractor shall be entitled to payment in respect of such items on the rates entered in this contract with the detailed specifications and the analysis of the

			<p>rates on which the contract price is calculated. Where part of the work is done or the specifications are altered the Contractor will submit his own rate and payment shall be controlled in the same way as if the item of work was done outside the current Government Schedule of Rates applicable in the case in accordance with the procedure laid down in Clause 14.</p> <p>Provided always that in case of the percent Rate tenders, no premium as quoted for the main tender as also that quoted in clause 14 (which will be the same premium as for the main tender) shall be payable for any items of work including the lump sum items or market rates which are outside the Current Government Schedule of Rates.</p>
44	Action Where No Specification	Clause-30	<p>In the case of any class of work for which there is no such specification as is mentioned in Rule I such work shall be carried out in accordance with the Sind P.W.D. specifications and in the event of there being no Sind P.W.D. specification, then in such case the work shall be carried out in all respects in accordance with the instructions and requirements of the Executive Engineer. The payment for such items of work shall be made in accordance with the procedure laid down in Clause 14 for items of work outside the Current Government Schedule of Rates.</p>
45	Contractors Percentage Whether Applied To Net Or Gross Amount Of Bill	Clause-31	<p>The percentage referred to in the tender shall be deducted from/added to the gross amount of the bill before deduction the value of any stock issued.</p>
46	Refund Of Quarry Fees And Royalties	Clause-32	<p>All quarry fees; royalist, octroi, dues, ground rents, local and Government taxes and Rates etc. relating directly or indirectly to the execution of the works under this contract shall be paid by the contractor as a final charge and no refund on this account shall be allowed by the University.</p>
47	Compensation under the workmen's compensation act.	Clause-33	<p>The Contractor shall be responsible for and shall pay any compensation Act, 1923 (VIII of 1923), (hereinafter called the said Act) as amended upto date for injuries caused to the workmen. If such compensation is paid by University as principal under sub-section (1) of section 12 of the said Act on behalf of the Contractor; it shall be recoverable by University from the Contractor under sub-section (2) of the said section such, compensation shall be recovered in the manner laid down in Clause above. The contractor shall also discharge all other liabilities in relation to the current Government or local legislation with respect. To the Labour Laws and other Fringe benefits like Health and Insurance cover. Old Age Benefits etc. for all his labour including the administrative and supervisory staff.</p>

48	Claim For Quantities As Per Scope Of Work Shown On Drawings	Clause-34A	The quantities of different items of work shown in the schedule B attached to this tender, are only approximate The actual quantities of different items as done at Site will be controlled by the detailed drawings and the actual requirements at site of work. No claim whatsoever will be entertained on account of excess or reduction in the scope of work as shown on the drawings.
49	----- do-----	Clause-34B	Where due to the change of specification or scope or work or due to additions in size and quantum of the work the total cost of the work increases upto 30% at the cost as shown in the MEMORANDUM (Excluding those case there the total cost the increased due to any claim of the contractor or the escalation in the rates/cost subject to its sanction) the Contractor shall be bound to carry out the same at the same rates and under the same conditions as for the same at the same rates and under the same conditions as for the main tender. In case where the total cost is likely to increase beyond 30% of the amount shown in the MEMORANDUM it will be optional for the Contractor to decline to take up the additional work provided always that no work shall be left in incomplete or in unfinished shape irrespective of the total Cost of the work. Where, however, the Contractor agrees to take up the additional work, there shall be no financial limit to it and that the entire work shall be done at the same rates and under the same terms and conditions as the main tender.
50	Employment of Feminine Labour	Clause-35	The Contractor shall employ any feminine; convict or other labour of a particular kind of class if ordered in writing to do so by the Executive Engineer.
51	Claim For Compensation For Delay In The Execution Of Work	Clause-36	No compensation shall be allowed for any delay caused in the starting of the work on account of acquisition of land or, in the case of clearance works on account of any delay in accordance with the sanction to estimates.
52		Clause-37	No compensation shall be allowed for any delay in the execution of the work on account of water standing in borrow pits or compartments or on the land or the approach road etc. The rates are inclusive of hard or cracked soil, excavation mud, subsoil water or water standing in borrow pits and no claim for an extra rate shall be entertained, unless otherwise expressly specified.
53	Entering Upon Or Commencing Any Portion Of Work	Clasue-38	The Contractor shall not enter upon or commence any portion of work except with the written authority and instructions of the Executive Engineer or of his subordinate-Incharge of the work. Failing such authority the contractor shall have not claim to ask for measurements of or payment for work.

54	Minimum age of persons employed. The employment of donkeys or other animals	Clasue-39	<p>(i) No contractor shall employ any person who is under the .age of 12 years.</p> <p>(ii) No contractor shall employ donkeys or other animals with breeching of string or thin rope. The breeching must be at least thread should be of tape (Nawar).</p> <p>(iii) No animal suffering from sores, lameness or emaciation or which is immature shall be employed or the work.</p> <p>(iv) The Contractor shall not employ any labour who has any contagious disease or is a habitual narcotic user or is as sick and unfit for manual labour as to create a hazard for his health or life.</p> <p>(v) The Executive Engineer or his subordinate is authorized to remove from the work any person or animal found working which does not satisfy these conditions and no responsibility shall be accepted by the University for any delay caused in the completion of the work by such removal. Any Contractor who does not accept these conditions shall not be allowed to tender for works and his name shall be removed from the list of Contractors.</p>
54	Pakistan Timber To Be Used	Clause-40	As for as possible Pakistan Timbers shall be used and where for any reason this is not practicable preference shall be given to imported timber of approved origin and quality.
55	Certificate For Concessionary Freight Of Charges From The Railway	Clause-41	If any materials are required to be conveyed by rail, the Contractors will be granted certificates by the Executive Engineer to the effect that the materials are required for University works thereby enabling them to have the benefit as allowed under the rules from the railway. In case, however, such a concession is withdrawn by the railway at any time', no claim shall be made against University on this account.
56	Recovery Of Dues From Contractor As Arrears Of As Land Revenue	Clause-42	Any sum due to the University by the Contractor shall be liable for recovery as arrears of Land Revenue.
57	Partnership Of M.L.As Is Forbidden	Clause-43	The Contractor shall certify that no member of Legislative Assembly is in partnership with him and that University will have the right to terminate the contract at any stage if it is discovered that a member of Legislative Assembly or Parliament is a partner in the Contract.
58	Payment Of Taxes	Clasue-44	The contractor firmly holds himself responsible to get himself registered under Income Tax and Sales Tax Rules and to pay these and all other Government and local taxes due to him from time to time in accordance with the Government instructions.
59	Interest Or Share Of University Servant In The Work	Clause-45	The Contractor shall certify that no University Servant, Government servants or a servant of a Corporate Body directly controlled by the Government has directly or indirectly any share or interest in this work.

60		Clause-46	The Contractor will not be allowed to withdraw his tender and ask For the return of earnest money before expiry of the period of three months, commencing from the date of opening of the tender and that if it is withdrawn in violation of this condition earnest money shall be forfeited.
61		Clause-47	Notwithstanding anything contained in any clause of this contract and further notwithstanding the fact that the final completion Certificate has been awarded to the Contractor and his 50% Security deposit refunded, the liability of the Contractor for the purpose of" Defect Liability" shall extend for the period of 12 months from the date of issue of the completion Certificate for removal including replacement of any defect found in the works due to construction or any other cause directly attributed to and a result of defective work or negligence in carrying out the work. The remaining 50% security deposit will be refunded after 12 months after removal of defects, if any.
62		Clause-48	<p>The Contractor shall employ at his cost at the site of work for effective planning, supervision and control of the work, adequate, full time Executive Engineer, Engineering staff and trained and experience licensed electricians and mechanics of respective trade in addition to the usual team of following scales:</p> <p>Work costing upto Rs. 15.0 lacs: A Diploma holder.</p> <p>Work costing over Rs. 15.0 Lacs: A Professional Engineer</p> <p>Registered with Pakistan Engineering Council.</p> <p>Such persons work on the job shall be deemed to the authorized agents at site of the Contractor and shall receive all orders & instructions of the Executive Engineer, Engineer and Consultants or their authorized representatives and shall also be responsible to maintain a work-order book and other registers at Site and shall forth with take actions to carry out the orders and instructions.</p>
63		Clause-49	If any question, difference or objection whatsoever shall arise in any way contracted with or arising out of this instrument or the meaning or objections of any part thereof, the rights, duties or liabilities of either party, then save in so far as the decision of any such matter is hereinbefore provide for as has been so decided, every such matter including whether its decisions has been otherwise provided for and or regards the right of and obligations of the parties as the result of such termination shall be referred for arbitration to such person or a board with the mutual consent of the Executive Engineer and the Contractor and his decision shall be final and binding and where the matter involves a claim for or the payment recovery or deduction of

			money, only the amount, if any awarded in such arbitration shall be payable or recoverable in respect of the matter so referred.
64	Force Majeure	Clause-50	The parties shall not be considered to be at default in the execution of their contractual obligations or any of them to the extent that the execution of such obligations or any of them is delayed or omitted by cause of force Majeure. Each part will advise the other party by written notice within 30 days of the occurrence of any such case force Majeure employed therein shall mean acts of the Public enemy wars (whether declared or not) hostilities, revolutions, civil disturbances, epidemics, fires, floods, earth quakes, weather causes of similarly nature which render the performance of this agreement unfeasible and inspite of the exercise is unable to overcome.
65	Mobilization Advance	Clause-51	Mobilization Advance 10 % of the Contract Price stated in the Letter of Acceptance shall be paid by the Procuring Agency to the Contractor on the on following conditions: (i) on submission by the Contractor of a Mobilization Advance Guarantee for the full amount of the Advance in the specified form from a Scheduled Bank in Pakistan to the Procuring Agency; (ii) Contractor will pay interest on the mobilization advance at the rate of 10% per annum on the advance; and (iii) This Advance including the interest shall be recovered in 5 equal installments from the five (05) R.A bills and in case the number of bills is less than five (05) then 1/5th of the advance inclusive of the interest thereon shall be recovered from each bill and the balance together with interest be recovered from the final bill. It may be insured that there is sufficient amount in the final bill to enable recovery of the Mobilization Advance.

CLAUSE - 52

Environmental Health & Safety/ Construction Safety

Construction and renovation activities that could be classified as construction include building renovations, excavation and trenching operations, painting, masonry, and certain activities associated with building systems such as HVAC, plumbing, and electrical supply.

Construction work can be particularly hazardous. The use of personal protective equipment, fall protection, fire safety, electrical safety, and other precautions are essential for safe construction work.

The following rules apply to construction sites:

- Heed all warning signs that have been posted.
- Do not walk, stand, or work under suspended loads. If you raise the load, be sure to crib, block, or otherwise secure the load as soon as possible.
- Avoid placing unusual strain on equipment or materials.
- Be prepared for unexpected hazards. BE ALERT!
- Fatigue is a serious risk on the job. If you are tired, slow down, get help, or switch to a task that doesn't require as much precision. Never let too little sleep jeopardize your safety.
- If you are not sure what to do or how to do it, ask. Never go ahead on a job unless you know what you are doing, what the risks are, and how to protect yourself.
- Think of safety as one of your most important job responsibilities. Before starting each job, plan it out. Think about tools, materials, and protective equipment you will need and the procedures you will follow.
- Keep your work area clear of potential hazards such as items that you could trip over or bump into, materials that could catch fire, or chemicals that could spill.
- Never ignore a safety hazard. Either fix it or report it.
- Report all incidents and near misses to your supervisor and the Office of Safety.
- Know what to do in an emergency. There isn't time to review procedures when an emergency situation occurs. If you are unsure, ask your supervisor before you begin the job.

CLAUSE - 53

The cost difference in the prices specified in the schedule of rates for following items shall be paid separately and as per actual consumption / quantities executed and in accordance with Notifications issued by Standing Rates Committee, Government of Sindh from time to time.

Item	Rate provided in Schedule of Rates	Unit	Rate Allowed w.e.f 01-07-2011	Cost Difference payable/ recoverable w.e.f.	Remarks
M.S. Bars (Tor)					
Cement (OPC)					
Bricks 9"x4 1/2"x3" (First Class)					
Deodar Wood (First Quality)					
Partal Wood					
Bitumen					
Any other item if notified by Standing Rates Committee, Government of Sindh					

Any change in the above price by Standing Rates Committee Government of Sindh during the currency of contract, the difference will be payable to or, as the case may be recoverable from the contractor. The effect of the revision of the prices will be confined to the quantity of the items which is actually consumed after the date of such revision.

Not Applicable (N/A)

CLAUSE - 54

The electric and water connection will be provided at one point respectively near the site of work. The Contractor will be responsible for further distribution where ever required including making complete arrangements for shortage of water. The cost of electric energy consumed as per prevailing tariff including service charges of WAPDA will be paid by the contractor. The cost of water consumed in the work will be recovered from the bills of the contractor at 2% (two percent) of the cost of these items of works on which water is used.

CONTRACTOR.

ENGINEER.

Witness.

Witness

1. _____
2. _____

1. _____
2. _____

Executive Engineer

Certified that the Tender/Agreement has been prepared/executed under our supervision and we are satisfied that it has been correctly prepared/executed.

MEHRAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY JAMSHORO

BOQ FOR

**CIVIL, PLUMBING, INTERNAL ELECTRIFICATION & BOUNDARY WALL WORK
OF BOYS HOSTEL FOR 150 STUDENTS AT MUET, JAMSHORO**

GENERAL ABSTRACT

S.#	Description	Amount (Rs.)	
1	Part-A, Civil Work including Public Health Works & Security Compound	Rs.	
2	Part-B, Electrical Works	Rs.	
TOTAL AMOUNT IN		Rs.	
TOTAL AMOUNT IN MILLION....		Rs.	

Amount in words: _____

Contractor

Project Director

MEHRAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY JAMSHORO
BOQ FOR
CIVIL, PLUMBING, INTERNAL ELECTRIFICATION & BOUNDARY WALL WORK
OF BOYS HOSTEL FOR 150 STUDENTS AT MUET, JAMSHORO

SUMMARY OF CIVIL WORKS

MAIN SUMMARY

Sr. No.	DESCRIPTION	AMOUNT
PART-A, CIVIL WORKS:		
1	Part-I, Civil Work (Schedule Items)	
2	Part-II, Civil Work (Schedule Items Including Tiles, Aluminum & Wood Work).	
3	Part-II, Civil Work, Schedule Items (Steel)	
4	Part-III, Civil Work (Non-Schedule Items)	
TOTAL OF CIVIL WORKS (PART-A)		
PART-B, PUBLIC HEALTH WORKS:		
1	Part-I, Civil Work (Schedule Items)	
2	Part-II, Civil Work (Non-Schedule Items)	
TOTAL OF PHE WORKS (PART-B)		
PART-C, SECURITY COMPOUND WALL:		
1	Part-I, Civil Work (Schedule Items)	
2	Part-II, Civil Work, Schedule Items (Steel)	
TOTAL OF SECURITY COMPOUND WALL (PART-C)		
TOTAL (A+B+C) AMOUNT IN RS.		
TOTAL IN MILLIONS		

Contractor

Project Director

MEHRAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY JAMSHORO

**BOQ FOR
CIVIL, PLUMBING, INTERNAL ELECTRIFICATION & BOUNDARY WALL WORK OF
BOYS HOSTEL FOR 150 STUDENTS AT MUET, JAMSHORO**

S.#.	Item #.	Description of Item	Unit	Qty.	Rate	Amount
Part-I, Civil Work (Schedule Items):						
1	C-1/18(b)P-3	Excavation in foundation of Building Bridges and other structures including dag-belling dressing, refilling around Structure with excavated earth Watering and ramming lead upto 5 ft. in Ordinary Soil. b) In ordinary Soil.	P.Cft	30000.00	11.88	356,400
2	C-01, S.I # 6(b), P-01)	i) Excavation in foundation of building, bridges and other structure including deg-belling dressing, refilling around structures with excavated earth water and ramming lead upto 5 feet (i) In ordinary soil. (b) Medium hard rock requiring occasional blasting.	P.Cft	50000.00	41.41	2,070,500
3	C-18/92A-P72	Providing Anti-termite treatment by spraying /sprinkling /spreading Neptachlar 0.5% Emulsion as an overall pre -construction treatment in slab type construction under the slab and along attached perches or entrances etc., complete as per directions of Engineer Incharge.	P.Sft	45000.00	11.46	515,700
4	C-4/5(i)-P-11	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing at stone aggregate without for all shuttering.(Mix 1:4:8)	P.Cft	6751.83	348.83	2,355,240.86
5	C-1/22,P3	Filling, watering and ramming earth under floor. with new earth (Excavated from outside) lift upto 5 ft and lead upto 10 miles including cost of earth.	P.Cft	48112.75	47.02	2,262,261.51
6	C-18/69(a), P-70	Damp Proof course with cement sand Ratio (1: 2) mixed with dampo b) 1-1/2" thick	P.Sft	504.44	73.47	37,061.21
7	C-5/29,P-20	Supplying and filling sand under floor and plugging in walls.	P.Cft	50000.00	57.52	2,876,000
8	C-4/2,P-10	Dry rammed brick or stone ballast 1 1/2" to 2" gauge.	P.Cft	6979.89	104.97	732,679.05
9	C-4/6 (a),Pg#11	Reinforced cement concrete work including all labor and material except the cost of steel reinforcement and its labor for bending and binding which will be paid separately. This Rate also includes all kinds of forms molds, lifting, centering, shuttering and curing. (Including screening and washing of shingle). a) R.C.C work in roof slab, beams, column, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects. i) Ratio 1 : 2: 4 90 Lbs of cement, 2 Cft sand and 4 Cft shingle 1/8" to 3/4" gauge.	P.Cft	27171.23	717.59	19,497,802.94

S.#.	Item #.	Description of Item	Unit	Qty.	Rate	Amount
10	C-4/6 a-i, P11	Reinforced cement concrete work including all labor and material except the cost of steel reinforcement and its labor for bending and binding which will be paid separately. This Rate also includes all kinds of forms molds, lifting, centering, shuttering and curing. (Including Screening and washing of shingle.) a) R.C.C work in roof slab, beams, column, rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects. i) Ratio 1 : 2: 4 90 Lbs of cement, 2 Cft sand and 4 Cft shingle 1/8" to 3/4" gauge.	P.Cft	12494.08	717.59	8,965,626.87
11	C-4/6 a-ii +6 (d) + C-4/12/(b)/P-12	R.C work in roof slab, beams columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects (I) Ratio (1 : 2: 4) 90 Lbs. cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge. (First Floor)	P.Cft	12046.08	752.44	9,063,952.44
12	C-4/6 a-i +6 (d) + C-4/12/(b)/P-12	R.C work in roof slab, beams columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects (I) Ratio (1 : 2: 4) 90 Lbs. cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge. (Second Floor)	P.Cft	3257.30	787.29	2,564,439.72
13	C-4/6 a-ii	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or pre-stressed members cast in situ, complete in all respects:- Type B (nominal mix 1: 1.5: 3) UPL	P.Cft	1860.75	787.71	1,465,731.38
14	C-4/6 a-ii	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or pre-stressed members cast in situ, complete in all respects:- Type B (nominal mix 1: 1.5: 3) G.F	P.Cft	2274.13	787.71	1,791,354.94
15	C-4/6 a-ii +6 (d) + C-4/12/(b)/P-12	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:- Type B (nominal mix 1: 1.5: 3) F.F	P.Cft	2031.19	822.56	1,670,775.65
16	C-4/6 a-ii +6 (d)+ C-4/12/(b)/P-1	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or pre-stressed members cast in situ, complete in all respects:- Type B (nominal mix 1: 1.5: 3) S.F	P.Cft	173.53	857.41	148,786.36
17	C-5/It#4©/P-15	Pacca brick work in foundation and plinth in cement sand mortar 1:6.	P.Cft	22634.08	359.20	8,130,161.54
18	C-5/5-I(d).P-16	Pacca brick work in Ground Floor cement, in (including Striking of joints) (d) Cement sand mortar Ratio 1:5	P.Cft	15553.46	388.34	6,040,030.66
19	C-5/5-I(c).P-16	Pacca brick work in Ground Floor cement, in (including Striking of joints) (c) Cement sand mortar Ratio 1:4	P.Cft	2715.58	397.85	1,080,393.50
20	C-5/5-I(d) + 6	Pacca brick work in First Floor cement, in (including Striking of joints) (d) Cement sand mortar Ratio 1:5	P.Cft	12206.24	388.34	4,740,171.24
21	C-5/5-I(c) + 6	Pacca brickwork in First Floor cement, in (including Striking of joints) (d) Cement sand mortar Ratio 1:4	P.Cft	2508.71	397.85	998,090.27

S.#.	Item #.	Description of Item	Unit	Qty.	Rate	Amount
22	C-5/5-I(d) +6	Pacca brickwork in Second Floor cement, in (including Striking of joints) (d) Cement sand mortar Ratio 1:5	P.Cft	684.38	388.34	265,772.13
23	C-9/12(b),P-38	Cement plaster 1:5 upto 12' height:- b) ½" (13 mm) thick. (Internal) Ground Floor	P.Sft	31286.11	38.75	1,212,336.76
24	C-9/12(b)+2 9	Cement plaster 1:5 upto 12' height.. b) ½" (13 mm) thick. (Internal) First Floor	P.Sft	27816.62	42.52	1,182,762.68
25	C-9/12(b)+2 9	Cement plaster 1:5 upto 12' height.. b) ½" (13 mm) thick. (Internal) Second Floor	P.Sft	1006.25	48.05	48,352.73
26	C-9/12(c),P-38	Cement plaster 1:4 upto 12' height. b) 3/8" (20 mm) thick. (Internal) Ground Floor	P.Sft	30012.11	37.78	1,133,857.52
27	C-9/12(c)+2 9	Cement plaster 1:4 upto 12' height. b) 3/8" (20 mm) thick. (Internal) First Floor	P.Sft	26773.95	41.56	1,112,725.36
28	C-9/11(c)	Cement plaster 1:5 Ground Floor upto 12' height. c) 1/2" thick. (External)	P.Sft	14666.50	38.75	568,326.88
29	C-9/11(c)+2 9	Cement plaster 1:5 First Floor upto 12' height:- c) 1/2" (20 mm) thick. (External)	P.Sft	14304.75	42.53	608,368.14
30	C-9/11(c)+2 9	Cement plaster 1:5 Second Floor upto 12' height:- c) 1/2" (20 mm) thick. (External)	P.Sft	10651.10	48.05	511,810.92
31	C-9/11(c)	Cement plaster 1:4 Ground Floor upto 12' height:- c) 3/8" (20 mm) thick. (External)	P.Sft	14666.50	37.78	554,100.37
32	C-9/11(c)+2 9	Cement plaster 1:4 First Floor upto 12' height:- c) 3/8" (20 mm) thick. (External)	P.Sft	14304.75	41.56	594,566.92
33	C-9/11(c)+2 9	Cement plaster 1:4 Second Floor upto 12' height:- c) 3/8" (20 mm) thick. (External)	P.Sft	10651.10	49.87	531,166.10
34	C-9/10(a),P-38	Cement plaster 1:3 upto 12' height (a) 3/8" thick (Slab Soffit) G.F	P.Sft	17686.13	38.61	682,861.48
35	C-9/10(a)+2 9	Cement plaster 1:3 upto 12' height (a) 3/8" thick (Slab Soffit) F.F	P.Sft	16641.98	42.39	705,373.65
36	C-9/10(a)+2 9	Cement plaster 1:3 upto 12' height (a) 3/8" thick (Slab Soffit) S.F	P.Sft	1460.31	47.90	69,952.94
37	C-04/11(i), P-12	P/F ornamental jalli 2" thick (1:2:4) without steel. (Ch.#04,S.I#11(i), Page # 12)	P.Sft	650.00	141.04	91,676
38	C-9/36.A + 36-B, P-40	Preparing surface and painting with matt finished enamel paint to walls / ceiling including rubbing the surface, applying primer, filling making the surface smooth and then painting 3 coats with matt finished of approved make/shade, complete (new surface)	P.Sft	120000	49.27	5,912,400
		2nd & subsequent coat.	P.Sft	120000.	25.78	3,093,600
39	C-9/(38.A+ 38.B), P-40	Preparing the surface and painting with weather coat I/c rubbing the surface with rubbing brick / sand Paper, filling the voids with chalk/ plaster of Paris and then painting with weather coat of approved make.:- three coats	P.Sft	4000.00	39.38	157,520
		2nd & subsequent coat.	P.Sft	4000.00	23.60	94,400

S.#.	Item #.	Description of Item	Unit	Qty.	Rate	Amount
40	C-9, P-40, It 42	Extra labour for external surface for weather coat above 20'-0" height using long ladder or Jhola for three coat (for every 10'-0" additional height)	P.Sft	4000.00	36.63	146,520
41	C-4/5(f),P-11	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing at stone aggregate without for all shuttering.(Mix 1:2:4)	P.Cft	7165.41	443.54	3,178,145.95
42	C-8/16-c, P-31	Providing and laying 2" thick topping cement concrete (1:2:4) including Surface finishing and dividing into panels:	P.Sft	14000.00	108.75	1,522,500
43	C-7/18, P-27	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	Each	25.00	1,001.84	25,046
44	C-10/19-(a)-ii, P-44	Providing and fixing sliding bolt to doors. a-ii) Iron sliding bolt 12" long. (300mm) long	Each	74.00	2,121.57	156,996.18
45	C-10/21	Providing and fixing, approved quality Mortice lock.	Each	74.00	1786.13	132,173.62
46	C-11/5-(c), P-48	Preparing surface and painting of doors and windows any type, (including edges).Three Coats.	P.Sft	4483.26	18.41	82,536.82
47	C-9/34, P-40	Extra labour rate for making grooves of 1" x 1/4" or 3/4" x 1/2" plastered surface with true edges both vertically and horizontally with uniform depth and, with groove base smoothly finished etc. complete as per instruction of Engineer Incharge.	P.Rft	1801.00	31.19	56,173.19
48	C-9/35, P-40	Extra labour rate for making cement plaster pattas/band around straight or carved openings and around the edges of roof slabs, the width not less than 6" with fine finishing as directed by Engineer Incharge.	P.Rft	5037.00	57.43	289,274.91
49	(Ch.#11, S.I #B-2, P-57) (PHE).	Providing "Expansion Joint "in concrete work of 9" wide corrugated PVC water stopper with bulb i c soldering cost of material and labor etc. complete. (Ch.#11, S.I #B-2, P-57) (PHE).	P.Rft	100.00	568.09	56,809
50	C-11/9. P-49	Bitumen coating to plastered or cement concrete surface. (Two Coat)	P.Sft	2044.06	21.83	44,621.83
51	C-7/38, P-29	Providing and laying single per layer of polythene sheet 0.13 mm thick for water proofing as per specification and instructions of Engineer Incharge.	P.Sft	36004.62	24.01	864,470.93
52	C- Public Health Part B/J/Page-56	Providing "expansion joint" in concrete work of 9" wide corrugated PVC water stop (with bulb) i.c soldering cost of material and labor etc., complete.	P.Rft	199.50	86.00	17,157
53	C-Public Health Part B/J/Page-35	Providing C.I Manhole Cover & Frame i/c cost of Material etc.	P.Kg	168.00	140.00	23,520
54	C-4/7(ii), P-12	Extra cost due to use of Hi Bond Pre-packaged Polymer Modified mortar (DHPMM) as an admixture in concrete mix for increasing durability, to be used in concreting, flooring, block/ brick/ stone masonry or plastering as % by weight of cement.	P.Kg	200.00	500.00	100,000

S.#.	Item #.	Description of Item	Unit	Qty.	Rate	Amount
55	C-17/2 + 3	Fabrication of heavy steel work, with angle, tees, flat iron round iron and sheet iron for making trusses, girders, tanks, etc., including cutting, drilling, riveting, handling, assembling and fixing, including erection in position. (Emergency Steel Stairs & Pergola)	P.Cwt	144.58	5199.53	751,748.05
56	C-11/5-d (i+ ii)	Painting new surface:- (d) Preparing surface and painting guard bars, gates of iron bars, gratings, railings (including standards braces, etc.). And similar open work. - 3 coats (Emergency Steel Stairs & Pergola)	P.Sft	2833.61	1270.83	3,601,036.60
57	C-9/43,P41	Preparing the surface and applying rock wall/ shield (Natural wall texture) coating to provide durable crust to wall, thickness b/w 2mm to 32mm (1/8") with acrylic co-polymer emulsion, selected marble chips, adhesive and bactericides, water resistance and fire and termite resistance (up to 20' 00" height)	P.Sft	14666.50	82.42	1,208,812.93
SUB-TOTAL						108,752,633.69
Premium _____ Above/ Below on Schedule Items.....						
TOTAL OFSOR ITEMS (PART-I)						

Sr. No.	Item #.	Description of Item	Unit	Qty.	Rate	Amount
Part-II, Civil Work (Schedule Items including Tiles Aluminum Wood Work):						
01	C-18/83(a), P-71	Supplying & fixing in position Aluminum channels framing for hinged doors or ALCOP made with 5 mm thick tinted glass glazing (Belgium) and Alpha (Japan) locks I/c handles, stoppers etc. (a) Deluxe model (White)	P.Sft	128.00	1,655.83	211,946.24
02	C-18/84(a), P-71	Supplying & fixing in position Aluminum channels framing for sliding windows & ventilators of ALCOP made with 5 mm thick tinted glass glazing (Belgium) & Aluminum fly screen I/c handles stoppers & locking arrangement etc. complete. (a) Deluxe model (White).	P.Sft	2400.00	2,386.73	5,728,152
03	C-18/88, P-71	Providing & fixing Aluminum sheet 6" to 9" with V-Notch for expansion joints I/c fixing with nails / screws.	P.Rft	200.00	352.22	70,444
04	C-8/25, P-31	Laying floors of approved colored glazed tiles 1/4" thick laid in white cement and pigment on a bed of 3/4" thick cement mortar 1:2.	P.Sft	1500.00	325.40	488,100
05	C-08/38, P-45	Glazed tile dado 1/4" thick laid in pigment over 1:2 cement sand mortar 3/4" thick including finishing.	P.Sft	2900.00	389.36	1,129,144

Sr. No.	Item #.	Description of Item	Unit	Qty.	Rate	Amount
06	(C8/28(vi) i(a), Page-32	Providing & Laying Full Body Porcelain Tile in Flooring or Facing of Approved Design Set in Gray Cement Motor 1:2 or of 3/4" Thickers I/C Washing & Joints With White Cement Slurry Using Color Pigment for matching complete as per Specification. (a) 16"x16"x5/16" thick flooring	P.Sft	26839.56	373.84	10,033,701.11
07	Ch-10/ 7(i), Page-42)	First class deodar wood wrought, joinery in doors and windows etc., fixed in position including chowkats hold fasts hinges, iron tower bolts, chocks, cleats, handles and cords with hooks, etc., deodar paneled or paneled and glazed, or fully glazed. a) 1 3/4" thick (S.I.#7(i), Page-42). 3130.83 (S/I No 7(i) Ch/10, P/42) 3130.83 Deduct (S/I No 25 b Ch /10 P-44) 1233.27 (3130.83-1233.27=1897.56)	P.Sft	1610.00	1897.56	3,055,071.60
08	(C-07,S.I- 43, P-29)	Providing and fixing false ceiling of thermopile in panels of required design and size including frame work of Aluminum T-section hanged with mail wire to ceiling etc., completed.	P.Sft	2500.00	216.75	541,875
SUB-TOTAL						21,258,433.95
Premium _____ Above/ Below on Schedule Items.....						
TOTAL OF SI ITEMS (PART-II)						
TOTAL AMOUNT OF (PART-I & PART-II)						

Sr. No.	Item No.	Description of Item	Unit	Qty.	Rate	Amount
Part-III, Civil Work, Schedule Items (Steel):						
01	C-4/8(i-c), P-12	Fabrication of mild steel reinforcement for cement concrete including cutting, bending, laying in position, making joints and fastenings including cost of binding wire (also includes removal of rust from bars.) i) Grade-60, c) Using Tor bars.	P.Cwt	5544.75	18,271.01	101,308,182.70
02	C-17/24, P-63	Making & fixing steel grated door with 1/16" thick sheeting including angle iron frame 2" x 2" 3/8" and 3/4" square bars 4" center to center with locking arrangement.	P.Sft	100.00	2,345.40	234,540.00
03	C-17/26, P-63	Supplying & fixing in position iron/steel grill of 3/4" x 1/4" size flat iron of approved design including painting 3 coats etc. complete (weight not to be less than 3.7 Lbs./Sq . Foot of finished grill).	P.Sft	2400.00	1,124.10	2,697,840.00
04	C-17/29, P-63	Providing and fixing G.I / Choukhats of size 7" x 2" or 4 1/2" x 3" for door using 20 gauge G.I Sheet i/c welded hinges and fixing at site with necessary hold fasts, filling with cement sand slurry of ratio 1:6 and repairing the jambs. The cost also includes all carriage tools and plants used in making and fixing.	P.Rft	1690.50	690.67	1,167,577.64
SUB-TOTAL						105,408,140.33
Premium _____ Above/ Below on Schedule Items.....						
TOTAL OFSOR ITEMS (PART-III)						

Sr. No.	Item No.	Description of Item	Unit	Qty.	Rate	Amount
Part-IV, Civil Work (Non-Schedule Items):						
01	NSI	Providing and laying Ceramic Matt Tiles Texture Light color for skirting / dado size 12"x26"x3/8" laid over 3/4" thick cement sand mortar (1:2) i/c filling joints in white cement and matching pigment i/c cutting charges complete in all respect as approved & directed by the Engineer/ Incharge. (Premium Quality Tile, Equivalent)	P.Sft	11200.00		
02	NSI	Providing and laying Pre-polished Granite of specified thickness and shade of full width of approved quality laid with adhesive bond over 3/4" thick (1:2) cement sand mortar bed , complete in all respect as approved and directed by the Engineer Incharge. (i) 3/4" thick (Podium, Vanity, Stair)	P.Sft	160.00		
03	NSI	Providing and fixing 2' deep, with back, Vin board cabinet 3/4" thick with drawers 3" deep in 'Kitchen including termite proofing and polishing with synthetic enamel as specified, with handles hinges, screws etc., complete in all respects	P.Sft	93.20		
04	NSI	Providing and fixing 2'-9" high stair railing comprising of non- magnetic (304) Stain less steel 2" dia pipe railing of 18 SWG welded with vertical posts of 2" dia stainless steel round/ Square pipe/ Tong (chimta) @ 2-ft c/c fixed on alternate steps with 3" long steel screws and brass rowel plugs , 3-Nos diagonal stainless steel pipes of 1/2" dia passes through gopies fixed on vertical post, i/c stainless steel welding, fixing & polishing complete in all respects as approved and directed by the Engineer Incharge	P.Rft	367.00		
05	NSI	Providing and fixing automatic hydraulic operated door closer imported heavy duty complete in all respect as approved and directed by the Engineer Incharge.	Each	12.00		
06	NSI	Providing and applying wall putty (Kansai or equivalent) two coats on plastered surface to prepare the surface even and smooth complete in all respect as approved and directed by the Engineer Incharge.	P.Sft	298677.35		
07	NSI	Providing and fixing precast concrete jali size 12" X 12" X 1" joints fixed with cement neru complete in all respect as per Engineer Incharge.	P.Sft	601.00		
08	NSI	Providing and applying of 2 coat of Acrylic Reinforced Cementations water proofing & Protective Coating (Con Flex 515) Complete in all respects.	P.Sft	12926.67		
09	NSI	Providing and fixing thermo pore (foamed polythene) sheet in horizontal and vertical expansion joints. (a) 1-1/2" (40 mm) thick thermo pore sheet.	P.Sft	8280.00		

Sr. No.	Item No.	Description of Item	Unit	Qty.	Rate	Amount
10	NSI	Providing and fixing Stainless Steel (24 SWG) Letters with CNC laser cutting i/c all hardware required complete in all respect as per drawings and direction of Engineer In-charge.	Each	20.00		
11	NSI	Providing and fixing Stainless Steel Logo with colour print including the cost of fitting accessories complete in all respect as per drawings and approval of Engineer Incharge.	Each	1.00		
12	NSI	Providing and fixing stainless steel mesh of 16 gauge fixed with nails for concrete and bricks joint complete in all respect and as approved and directed by the Engineer Incharge.	P.Sft	5500.00		
13	NSI	Providing and laying 3/4" thick (1:3) cement sand plaster mixed with pudlo or other similar approved material mixed with cement @ 2.5 kg per bag of cement, including all bends, corners, recesses and also including hacking the concrete surfaces, all plaster to be finished smooth with a coat of cement slurry with steel float in true level, line and completed as per drawings, specifications and as directed by the Engineer	P.Sft	405.00		
14	NSI	Providing and laying Lasbella Boutescena Cream (without streak) color marble as per detail shown on the drawing counters / stair steps, including landing and risers set over and including average 1" thick (1:3) CSM with cement slurry and grouting the joint with neat white cement mixed with color pigment to match the marble color including curing,, grinding and chemical polishing etc, complete as per specifications, drawings and as directed by the Engineer. on Stair i) Dito but straight size 6'x13" 3/4"	P-sft	1144.90		
15	NSI	Skirting	P-Sft	538.32		
16	NSI	Difference Of SR Cement	P.Bag	4429.26		
TOTAL OF NON-SOR ITEMS (PART-IV)						

Sr. No.	Item No.	Description of Item	Unit	Qty.	Rate	Amount
<u>PART-B, PUBLIC HEALTH WORKS:</u>						
<u>PART-I, CIVIL WORK (SCHEDULE ITEMS):</u>						
01	SOR(W.S& Sewerage (Ch 1/5, P-6)	Providing and fixing European type white glazed earthen ware wash down W.C. pan complete with & including the cost of white / black plastic seat (Best quality) and lid with C.P. brass hinges best quality and buffers 3 gallons white glazed earthen ware low level flushing cistem with siphon fitting 1½ " dia white porcelain enameled flush bend dia and making requisite number of holes in walls, plinth & floor for pipe connection & making good in cement concrete. 1:2:4, (Foreign quality). (ICL or equivalent).	Each	6.00	42,354.59	254,127.54
02	SOR(W.S & Sewerage (Ch 1/2-A ii), P-4	Providing and Fixing squatting type white glazed earthen ware w.c pan with front fresh inlet & complete with including the cost of flushing cistem with internal fitting and flush pipe with bend and making requisite number of holes in walls plinth & floor for pipe connection and making good in cement concrete 1:2:4. (A) W.C pan 23" & low level earthen ware flush tank 3 gallons. (ii) with 4" dia white glazed earthen ware trap and plastic thimble. (Foreign Quality).	Each	21.00	13,655.06	286,756.26
03	SOR(W.S & Sewerage (Ch 1/19-c), P-8	Providing and fixing steel sinks stainless local make complete with cast iron or wrought iron brackets 6 inches built in wall, 1-1/2" C.P rubber plug chrome plated brass chain, 1-1/2" C.P brass waste, with 1-1/2" P.V.C. waste pipe & making requisite number of holes in wall, plinth & floor for pipe connection & making good in cement concrete 1:2:4. (c) Steel sink stainless sized 33" x 18" local make (Standard pattern) (Master or Equivalent)	Each	3.00	10,215.27	30,645.81
04	SOR(W.S & Sewerage (Ch 6/19 (a), P-19	Providing and fixing CP Muslim shower with double bib cock & ring pipe etc., complete.	Each	6.00	5,475.60	32,853.60
05	SOR(W.S & Sewerage (Ch 2/5), P-10	Providing and fixing soap tray earthen ware with C.P screws etc., complete.	Each	50.00	585.00	29,250.00
06	SOR(W.S & Sewerage (Ch 2/1 (iii-b), P-10	Providing and fixing chrome plated brass towel rail complete with brackets fixing with 1" long C.P brass screws. (iii) Towel Rail 24" long (b) 3/4" dia round or square (Superior Quality)	Each	30.00	2,524.57	75,737.10
07	SOR(W.S & Sewerage (Ch 2/2 (b), P-10	Providing and fixing c.p brass toilet paper holder of standard size with chrome plated brass brackets complete (Similar to twyfords design No 1108) (b) Superior Quality	Each	20.00	1,170.00	23,400.00

Sr. No.	Item No.	Description of Item	Unit	Qty.	Rate	Amount
08	SOR(W.S & Sewerage (Ch 1/22), P-9	Providing and fixing (½") dia, lead connection complete with a (½") dia brass stop cock, two brass nuts & lining jointed to lead pipe with plumber wiped solder joints (½" lead pipe to be of not less than 4lbs per lineal yard.	Each	105.00	760.50	79,852.50
09	SOR(W.S & Sewerage (Ch 10/1 (a-i), P23	Providing and fixing 6" x 4" C.C gully trap with 4" outlet complete with 4" thick 1:2:4 C.C for bed & 1/2" thick cement plaster (1:3) to the karb. C.I grating 6" x 6' C.I cover and frame 12" x 12" (inside) etc., complete. a-i) CC gully trap 6" x 6" x 4" with C.I cover & Frame.	Each	5.00	3,037.32	15,186.60
10	SOR (PHE works) Part-B-2b, P-20	Providing and laying R.C.C. pipe & colors of class "B" and fixing in trench i/c cutting, fitting and jointing with asphalt composition and cement mortar (1:1) i/e. testing with water to a head of 22.5 meter or 76 ft. b) 300mm (12").	P.Rft	938.00	640.83	601,098.54
11	SOR (PHE works) Part-B (III) A-1, P-61	Excavation for pipeline in trenches, and pits in soft soils i/c trimming and dressing sides to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joint and holes and disposal of surplus earth within a one chain as directed by Engineer Incharge. Providing fence guards, lights, flags and temporary crossings for non-vehicular traffic where ever required lift upto 5ft. (1.52 m) and lead upto one chain (30.5 m).	100 Cft	8,442.00	18,288.00	1,543,872.96
12	Ch/1/13 (d), P-2	Earth work compaction (Soft, ordinary or hard soil). (d) Ramming earth work (All types of soil).	P.Cft	8,442.00	1.74	14,689.08
13	Ch/1/9 (a), P-2	Re-handling of earth work. (a) Lead upto a single throw of Kassi, Phawrah or a = Shovel.	P.Cft	8,442.00	3.33	28,111.86
14	SOR(W.S & Sewerage (Ch 6/4-d), P-17	Providing and fixing full way-gun metal peet/gate valve with wheels, threaded or flagged ends with rubber washing. (d) 1-1/4" (Light pattern)	Each	6.00	2,024.10	12,144.60
15	SOR(W.S & Sewerage (Ch 6/4-e), P-17	Providing and fixing full way-gun metal pet/gate-valve with wheels, threaded or flagged ends with rubber washing. (e) 1-1/2" (Light pattern)	Each	6.00	2,141.10	12,846.60
16	SOR (PHE works) O-1-a, P-47	<u>MANHOLE</u> Constructing manhole or inspection chamber for the required diameter of circular sewer and 3'-6" (1067 mm) depth with walls of BB in cement sand mortar 1:3 cement plastered 1:3, 1/2" thick. Inside of walls and 1" (25 mm) thick over benching and channel i/c fixing C.I manhole cover with frame of clear opening 1-1/2' x 1-1/2' (457 x 457mm) of 1.75 cwt. (88.9 Kg) embedded in plain C.C 1:2:4 and fixing 1"(25mm) dia MS steps 6" (150 mm) wide projecting 4" (102mm) from the face of wall at 12" (305mm) C/C duly painted etc. Complete as per Standard specification and drawing.	P.Job	5.00	55,584.18	277,920.90

Sr. No.	Item No.	Description of Item	Unit	Qty.	Rate	Amount
17	SOR (W.S & Sanitary works) Ch-1/13, P-7	Providing & fixing 22"x 16" lavatory basin in white glazed earthen ware complete with & i/c the cost of W.I or C.I cantilever brackets 6 inches built into walls, painted white in 2 coats after a primary coat of red lead paint, a pair of 1/2" rubber plug & chrome brass waste of approved pattern 1-1/4" dia malleable iron or CP brass trap, malleable iron or brass unions and making requisite number of holes in walls plinth and floor for pipe connection & making good in cement concrete 1:2:4 (Foreign or Equivalent)	Each	26.00	19,505.66	507,147.16
18	SOR (Water supply & Sanitary works) Ch-1/20, P-9	Providing and fixing 6" x 2" or 6" x 3" C.I floor trap of the approved self-cleaning design with a C.I screwed down grating without a vent arm complete with & i/c making requisite number of holes in walls, plinth & floor for pipe connections & making good cement concrete 1:2:4.	Each	50.00	1,647.07	82,353.50
19	SOR (W.S & Sanitary works) Ch-2/3-a), P-10	Providing and fixing 24"x 18" beveled edge mirror of Belgium glass complete with 1/8' thick hard board and C.P screws fixed to wooden pleat. (Standard Pattern)	P.Sft	160.00	2,106.00	336,960.00
20	SOR (W.S & Sanitary works) Ch 6/5-b, P-17 b)	VALVES Providing and fixing handle valves (China) 16bars or equivalent, complete in all respects as approved by the Engineer Incharge. 3/4 inch	Each	14.00	1,848.60	25,880.40
	a)	1/2 inch	Each	10.00	1,614.60	16,146.00
21	SOR (W.S & Sanitary works) Ch 6-6-d, P-18	Providing and fixing ball valve with Plastic Ball & Rod. d) 1-1/4" dia	Each	4.00	1,380.60	5,522.40
22	SOR (W.S & Sanitary works) Ch 6-6-e, P-18	Providing and fixing ball valve with Plastic Ball & Rod. e) 1-1/2" dia	Each	4.00	1,439.10	5,756.40
23	SOR (W.S & Sanitary works) Ch 4-1, P-13	Providing G.I Pipes, specials, and clamps etc. including fixing cutting & fitting complete with and I/c the cost of breaking through walls and roof, making good etc. Painting two coats after cleaning the pipe etc. with white Zink paint with pigment to match the color of the building and testing with water to a pressure head of 200 feet and handling.				
	v	1-1/2" dia G.I pipe i/c all fitting etc.,	P.Rft	150.00	731.85	109,777.50
	vi	2" dia G.I pipe i/c all fitting etc.,	P.Rft	110.00	977.55	107,530.50

Sr. No.	Item No.	Description of Item	Unit	Qty.	Rate	Amount
24	SOR (PHE works) Part-B (II) (N-1 (a), P-42	01 No. BORE: N-TUBE WELLS Boring for Tube well in all water bearing soils from ground level upto 100 ft. (30.5 m) depth, including sinking and with drawing of casing pipe. a) 80 mm (3" dia)	P.Rft	150.00	1,025.72	153,858.00
25	SOR (PHE works) Part-B (II) (N-9 (a), P-44	Providing and installing P.V.C. strainers `B' class of approved design quality and make including necessary sockets and solvent, etc. complete: a) 100 mm (4" dia)	P.Rft	80.00	447.95	35,836.00
26	SOR (PHE works) Part-B (II) (N-8 (b), P-44	Supplying & fixing M.S bail plug.	Each	4.00	15,373.80	61,495.20
SUB-TOTAL						4,766,757.01
Premium _____ Above/ Below on Schedule Items.....						
TOTAL OFSOR ITEMS (PART-I)						

Sr. No.	Item No.	Description of Item	Unit	Qty.	Rate	Amount
<u>PART-II, CIVIL WORK (NON-SCHEDULE ITEMS):</u>						
01	NSI	UPVC Multi Floor Trap (110x75mm) including strainer; making required number of connections; breaking concrete or masonry work & then making it good; etc. of approved make.	Each	3.00		
02	NSI	Providing, Fixing Dadex Class D or equivalent UPVC clean out with cover making requisite number of holes in walls, plinth or floor for pipe connection and making good the same as necessary to the structure complete including, rubber gasket and clamp.	Each	4.00		
03	NSI	Providing and fitting "P" trap: ii) 10 cm (4") glazed.	Each	37.00		
04	NSI	Providing and fixing Wall Shower complete in all respects as approved by the Engineer Incharge. (Master, Sonex, or Equivalent)	Each	23.00		
05		<u>WATER SUPPLY PIPES AND FITTINGS</u> P/F Polypropylene Random copolymer (PPRC) PN-20 pipe with fusion / threaded joints including the cost of all specials/ accessories i.e elbow, bend, sockets etc. (Popular /Beta or equivalent) complete in all respect.				
	i	1 1/2" (50 mm) dia.	P.Rft	260.00		
	ii	1" (32 mm) dia.	P.Rft	470.00		
	iii	2" (63 mm) dia.	P.Rft	220.00		
	iv	3/4" (25 mm) dia.	P.Rft	850.00		

Sr. No.	Item No.	Description of Item	Unit	Qty.	Rate	Amount
6		<u>SOIL, WASTE, VENTILATING PIPES & FITTINGS</u> Providing , fixing and testing UPVC Nikasi type "B" with solution of same quality make including the cost of all specials/ accessories i.e elbow, bend, sockets etc. (Popular/Beta or equivalent) complete in all respect.				
	i	100 mm (4") dia.	P.Rft	660.00		
	ii	80 mm (3") dia.	P.Rft	550.00		
7	NSI	<u>GAS GESYER</u> Providing and Fixing Sui Gas Geyser 55 gallon capacity comprising of internal tank of G.I sheet 14-SWG and External M.S sheet 22-SWG covering with proper foot rests dully enamel painted, 4" thick high density glass wool insulation with proper warranty with thermostat temperature gauge including fixing and making connection at site etc. complete in all respects as approved by the Engineer Incharge. (Ambassador/ Firex/ Exquire/ Nargas)	Each	4.00		
7	NSI	Providing and Fixing Sui Gas Geyser 35 gallon capacity comprising of internal tank of G.I sheet 14-SWG and External M.S sheet 22-SWG covering with proper foot rests dully enamel painted, 4" thick high density glass wool insulation with proper warranty with thermostat temperature gauge including fixing and making connection at site etc. complete in all respects as approved by the Engineer Incharge. (Ambassador/ Firex/ Exquire/ Nargas)	Each	4.00		
8	NSI	Providing and Fixing Electric Geyser 20 gallon capacity comprising of internal tank of G.I sheet 14-SWG and External M.S sheet 22-SWG covering with proper foot rests dully enamel painted, 4" thick high density glass wool insulation with proper warranty with thermostat temperature gauge including fixing and making connection at site etc. complete in all respects as approved by the Engineer Incharge. (Ambassador/Firex/Exquire/Nargas)	Each	4.00		
9	NSI	Providing and fixing Gate valve 1 bars, RUV (Italy) or equivalent complete in all respects as approved by the Engineer Incharge.	Each	2.00		
10	NSI	Providing and fixing Gate valve 2 bars, RUV (Italy) or equivalent complete in all respects as approved by the Engineer Incharge.	Each	2.00		
11	NSI	Providing and fixing of 5.5 HP Centrifugal motor pump having 50mm suction and 100ft head from approved manufacturer complete in all respect as per approval of Engineer Incharge.	Each	2.00		
16	NSI	Supply and fixing, Pressure Booster Pump 0.5 HP Shahzad company or Equivalent complete in all respects as approved by the Engineer Incharge.	Each	2.00		

Sr. No.	Item No.	Description of Item	Unit	Qty.	Rate	Amount
12	NSI	1 NO. BORE: Supplying and installing PVC blind pipe 'B' Class of approved design quality and make i/c necessary sockets etc. complete.				
	a	1¼" i/d (30 mm) 1 x 70	P.Rft	150.00		
	b	1½" i/d (40 mm) 1 x 40	P.Rft	150.00		
	c	2" i/d (50 mm) 1 x 50	P.Rft	150.00		
TOTAL OF Non SOR ITEMS (PART-II)						

Sr. No.	Item No.	Description of Item	Unit	Qty	Rate	Amount
PART-C. SECURITY COMPOUND WALL:						
PART-I, CIVIL WORK (SCHEDULE ITEMS):						
01	C-1/18(b) P-3	Excavation in foundation of Building Bridges and other structures including dabbling dressing, refilling around structure with excavated earth Watering and ramming lead upto 5 ft in Ordinary Soil. b) In ordinary Soil.	P.Cft	10800.00	11.88	128,304
02	C-4/5(i)- P-11	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing at stone aggregate without for all shuttering.(Mix 1:4:8)	P.Cft	1489.10	348.83	519,442.75
03	C-4/6 a-i,P11	R.C work in roof slab, beams columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects (I) Ratio (1 : 2: 4) 90 Lbs. cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge (Marine Plywood will used for all shuttering).(Foundation)	P.Cft	5035.68	717.59	3,613,553.61
04	C-4/6 a-i,P11	R.C work in roof slab, beams columns rafts, lintels and other structural members laid in situ or precast laid in position complete in all respects (I) Ratio (1 : 2: 4) 90 Lbs. cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge.(Marine Plywood will used for all shuttering) (Ground Floor)	P.Cft	1320.17	717.59	947,340.79
05	C-4/6 a-ii, P-11	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or pre-stressed members cast in situ, complete in all respects:- Type B (Nominal mix 1: 1.5: 3) UPL	P.Cft	724.50	787.71	570,695.90

Sr. No.	Item No.	Description of Item	Unit	Qty	Rate	Amount
06	C-4/6 a-ii, P-11	Reinforced cement concrete in roof slab, beams, columns lintels, girders and other structural members laid in situ or precast laid in position, or pre-stressed members cast in situ, complete in all respects:- Type B (nominal mix 1: 1.5: 3) (Marine Plywood will used for for all shuttering) G.F	P.Cft	1112.00	787.71	875,933.52
07	C-5/4- I(e), P-16	Pacca brick work in foundation and plinth in cement sand mortar 1:6.	P.Cft	7579.69	381.18	2,889,226.23
08	C-1/21,P 3	Filling, watering and ramming earth in floors with surplus earth from foundation lead upto one chain and lift upto 5 feet.	P.Cft	100019.43	6.50	650,126.30
09	C-5/5- I(d).P-16	Pacca brick work in Ground Floor cement, sand mortar Ratio 1:5	P.Cft	7774.40	388.34	3,019,110.50
10	C-9/12(b) , P-38	Cement plaster 1:5 upto 12' height b) ½" (13 mm) thick. (Internal) Ground Floor	P.Sft	600.00	38.75	23,250
11	C-9/11(c) , P-38	Cement plaster 1:4 Ground Floor upto 12' height. c) ¾" (20 mm) thick. (External)	P.Sft	18348.75	53.82	987,529.73
12	C-9/10(a) , P-38	Cement plaster 1:3 Ground Floor upto 12' height. a) 3/8" thick under soffit or R.C.C. roof slab only.	P.Sft	319.00	38.61	12,316.59
13	C-9/40.A + 40-B, P-40	Preparing the surface and painting with plastic emulsion paint of approved make I/c rubbing the surface with sand Paper, filling the voids with chalk / plaster of Paris and then painting etc. complete. Three Coats	P.Sft	919.00	38.71	35,574.49
		2nd & subsequent coat.	P.Sft	919.00	22.66	20,824.54
14	C-9/(38. A+38. B), P-40	Preparing the surface and painting with weather coat I/c rubbing the surface with rubbing brick / sand Paper, filling the voids with chalk/ plaster of Paris and then painting with weather coat of approved make.-: three coats	P.Sft	18348.75	39.38	722,573.78
		2nd & subsequent coat.	P.Sft	18348.75	23.60	433,030.50
15	C-8/16-a , P-31	Providing and laying 1" thick topping cement concrete (1:2:4) including Surface finishing and dividing into panels: (a) 1" thick Ground Floor.	P.Sft	250.00	65.57	16,392.50

Sr. No.	Item No.	Description of Item	Unit	Qty	Rate	Amount
16	C-8/50,P-34	Laying mosaic topping 1/2" thick in panels of approved any pattern of one part of white cement to two parts of marble chips of required shade and size and of approved pigment in the ratio of 1: 12 of cement used in topping including rubbing and polishing etc. complete. Ground Floor	P.Sft	250.00	168.68	42,170
17	C-8/42,P-33	Mosaic dado or skirting one part of grey cement and 2 parts of marble chips laid over 1/2" thick cement plaster 1:3 complete with finishing. Ground Floor	P.Sft	90.00	227.86	20,507.40
18	C-5/29,P-20	Supplying and filling sand under floor and plugging in walls.	P.Cft	336.19	57.52	19,337.65
19	C-4/2,P-10	Dry rammed brick or stone ballast 1 1/2" to 2" gauge.	P.Cft	6072.33	104.97	637,412.48
20	C-4/5(f), P-11	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing at stone aggregate without for all shuttering.(Mix 1:2:4)	P.Cft	3072.96	443.54	1,362,980.68
21	C-8/16-c, P-31	Providing and laying 2" thick topping cement concrete (1:2:4) including Surface finishing and dividing into panels:	P.Sft	150.00	108.75	16,312.50
22	C-7/18, P-27	Khuras on roof 2'x2'x6" (600 x 600 x 150 mm)	Each	4.00	1,001.84	4,007.36
23	C-18/83(a), P-71	Supplying & fixing in position Aluminum channels framing for hinged doors or ALCOP made with 5 mm thick tinted glass glazing (Belgium) and Alpha (Japan) locks I/c handles, stoppers etc. (a) Deluxe model (White)	P.Sft	21.00	1,655.83	34,772.43
24	C-18/84(a), P-71	Supplying & fixing in position Aluminum channels framing for sliding windows & ventilators of ALCOP made with 5 mm thick tinted glass glazing (Belgium) & Aluminum fly screen I/c handles stoppers & locking arrangement etc. complete. (a) Deluxe model (White).	P.Sft	60.00	2,386.73	143,203.80
25	C-11/9, P-49	Bitumen coating to plastered or cement concrete surface. (Two Coat)	P.Sft	875.95	21.83	19,121.99
26	C-7/38, P-29	Providing and laying single per layer of polythene sheet 0.13 mm thick for water proofing as per specification and instructions of Engineer Incharge.	P.Sft	875.95	24.01	21,031.56
27	C-7/5, P-26	Single layer of tiles 9" x4 1/2" x 2" laid over 4" earth 1" mud plaster without Bhoosa grouted with cement sand 1:3 on top of R.C.C slab provide with 34 Lbs. Bitumen coating sand blinded.	P.Sft	250.00	139.09	34,772.50

Sr. No.	Item No.	Description of Item	Unit	Qty	Rate	Amount
28	C-4/7(ii), P-12	Extra cost due to use of Hi Bond Pre-packaged Polymer Modified mortar (DHPMM) as an admixture in concrete mix for increasing durability, to be used in concreting, flooring, block/ brick/ stone masonry or plastering as % by weight of cement.	P.Kg	781.00	500.00	390,500
29	C-8/70, P-36	Providing & fixing cement paving blocks flooring having size of 197 x 97 x 80 (mm) of city / quddra / cobble shape with pigmented having strength b/w 5000 psi to 8500 psi I/c filling the joints with hill sand and laying in specified manner / patter and design et.,: complete.	P.Sft	17256.00	242.26	4,180,438.56
SUB-TOTAL						22,391,794.62
Premium _____ Above/ Below on Schedule Items.....						
TOTAL OFSOR ITEMS (PART-I)						

Contractor

Project Director

MEHRAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY JAMSHORO
BOQ FOR
CIVIL, PLUMBING, INTERNAL ELECTRIFICATION & BOUNDARY WALL WORK
OF BOYS HOSTEL FOR 150 STUDENTS AT MUET, JAMSHORO

ABSTRACT

S.#	Description	Amount (Rs.)	
<u>PART-A, ELECTRICAL WORKS:</u>			
1	Section-I, Schedule Items (General)	Rs.	
2	Section-II, Schedule Items (Wiring)	Rs.	
3	Section-III, Non Schedule Items	Rs.	
TOTAL AMOUNT IN		Rs.	
TOTAL IN MILLION....		Rs.	

Contractor

Project Director

MEHRAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY JAMSHORO

BOQ FOR
CIVIL, PLUMBING, INTERNAL ELECTRIFICATION & BOUNDARY WALL WORK OF
BOYS HOSTEL FOR 150 STUDENTS AT MUET, JAMSHORO

SUMMARY OF ELECTRICAL WORKS

Sr. No.	Description	Unit	Qty.	Rate	Amount
<u>PART-A, ELECTRICAL WORKS:</u>					
<u>SECTION-I, ELECTRICAL WORKS, SCHEDULE ITEMS, (General):</u>					
1	<u>DISTRIBUTION BOARDS</u> (General Description) Supply at site, fabrication, installation, testing and commissioning of Distribution Board (DB) , made of sheet steel 16 SWG, degreased and derusted, with 2 coats of antirust paint, 2 coats of powder coated paint of approved colour, protection classification IP-44, totally enclosed indoor floor mounting cubicle type in free standing design, with hinged door, handle including cost of all auxiliaries, internal wiring, designation labels on MCCBS, grounding bar suitable for system Voltage 440 V, 50 Hz, 3 Phase and neutral bus bars of 99.9% electrolytic copper, including cost of cable terminal blocks wiring from breakers, brass cable glands, all accessories complete in all respects mention in BOQ or not required for performing completely. All incoming and outgoing breakers shall be accessible only by opening the front door having further M.S. sheet cover gaskets shall also be provided where necessary. Panel should be completely made in certified factory. i.e PEL, Green T & D, Mazcorp Engineering or equivalent as per instructions by the Engineer/ Incharge. (General Description) All MCCBs shall be suitable to operate without any derating at 40°C ambient temperature and shall be of one make only. The sides of MDB shall also have louvers at bottom and top on sides of panel for hot air exhaust, wire mesh etc. The back of the panel shall be lockable door instead of bolted and shall conform to single line diagram. item should be of ABB, Schneider or equivalent as per instructions by the Engineer/ Incharge.				
i)	<u>MAIN DISTRIBUTION BOARD</u>				
a	<u>INCOMMING:</u> Providing and fixing circuit breaker 125,150,200 & 225 amps TP(XS-225NS) on prepared board as required.	Each	2	43010.16	86,020.32
b	Providing and fixing circuit breaker 15,20,30,40,50, 75 & 100 amps TP(XS-100NS) on prepared board as required.	Each	4	28736.16	114,944.64
c	Providing and fixing of current transformer of ration 60/5 amps (round) RLC-30 as required or as per instructed as EI.	Each	3	6295.56	18,886.68
d	Providing and fixing voltmeter size 96/96mm 500 volt as required and as instruction of EI.	Each	3	4186.5	12,559.50
e	Providing and fixing circuit breaker 6,10,15,20,30,40,50 & 63 amps SP (TB-5S) on prepared board as required.	Each	3	2504.12	7,512.36

Sr. No.	Description	Unit	Qty.	Rate	Amount
f	<u>OUTGOING:</u> Providing and fixing circuit breaker 6,10,15,20,30,40,50 & 63 Amps SP (TB-5S) on prepared board as required.	Each	3	2504.12	7,512.36
g	Providing and fixing circuit breaker 15,20,30,40,50, 75 & 100 Amps TP(XS-100NS) on prepared board as required.	Each	12	28736.16	344,833.92
ii)	<u>DISTRIBUTION BOARD DB- LIGHTING (Quantity for 4 DBs GF, GF-1,FF, FF-1):</u>				
a	<u>INCOMMING:</u> Providing and fixing circuit breaker 15,20,30,40,50, 75 & 100 amps TP(XS-100NS) on prepared board as required.	Each	12	28736.16	344,833.92
b	Providing and fixing of current transformer of ration 60/5 Amps (round) RLC-30 as required or as per instructed as EI.	Each	12	6295.56	75,546.72
c	Providing and fixing voltmeter size 96/96mm 500 volt as required and as instruction of E.I.	Each	12	4186.5	50,238.00
d	Providing and fixing circuit breaker 6,10,15,20,30,40,50 & 63 Amps SP (TB-5S) on prepared board as required.	Each	12	2504.12	30,049.44
e	<u>OUTGOING:</u> Providing and fixing circuit breaker 6,10,15,20,30,40,50 & 63 amps SP (TB-5S) on prepared board as required.	Each	52	2504.12	130,214.24
iii)	<u>DISTRIBUTION BOARD DB- LIGHTING HALL</u>				
a	<u>INCOMMING:</u> Providing and fixing circuit breaker 15,20,30,40,50, 75 & 100 Amps TP(XS-100NS) on prepared board as required.	Each	2	28736.16	57,472.32
b	Providing and fixing of current transformer of ration 60/5 Amps (round) RLC-30 as required or as per instructed as E.I.	Each	3	6295.56	18,886.68
c	Providing and fixing voltmeter size 96/96mm 500 volt as required and as instruction of E.I.	Each	3	4186.5	12,559.50
d	Providing and fixing circuit breaker 6,10,15,20,30,40,50 & 63 Amps SP (TB-5S) on prepared board as required.	Each	3	2504.12	7,512.36
e	<u>OUTGOING:</u> Providing and fixing circuit breaker 6,10,15,20,30,40,50 & 63 Amps SP (TB-5S) on prepared board as required.	Each	9	2504.12	22,537.08
iv)	<u>DISTRIBUTION BOARD DB- POWER GF</u>				
a	<u>INCOMMING:</u> Providing and fixing circuit breaker 15,20,30,40,50, 75 & 100 Amps TP(XS-100NS) on prepared board as required.	Each	2	28736.16	57,472.32
b	Providing and fixing of current transformer of ration 60/5 amps (round) RLC-30 as required or as per instructed as E.I.	Each	3	6295.56	18,886.68
c	Providing and fixing voltmeter size 96/96mm 500 volt as required and as instruction of E.I.	Each	3	4186.5	12,559.50
d	Providing and fixing circuit breaker 6,10,15,20,30,40,50 & 63 Amps SP (TB-5S) on prepared board as required.	Each	3	2504.12	7,512.36
e	<u>OUTGOING:</u> Providing and fixing circuit breaker 6,10,15,20,30,40,50 & 63 Amps SP (TB-5S) on prepared board as required.	Each	20	2504.12	50,082.40

Sr. No.	Description	Unit	Qty.	Rate	Amount
v)	<u>DISTRIBUTION BOARD DB- POWER GF-1</u>				
a	<u>INCOMMING</u> Providing and fixing circuit breaker 15,20,30,40,50, 75 & 100 Amps TP(XS-100NS) on prepared board as required.	Each	2	28736.16	57,472.32
b	Providing and fixing of current transformer of ration 60/5 Amps (round) RLC-30 as required or as per instructed as E.I.	Each	3	6295.56	18,886.68
c	Providing and fixing voltmeter size 96/96mm 500 volt as required and as instruction of E.I.	Each	3	4186.5	12,559.50
d	Providing and fixing circuit breaker 6,10,15,20,30,40,50 & 63 Amps SP (TB-5S) on prepared board as required.	Each	3	2504.12	7,512.36
e	<u>OUTGOING:</u> Providing and fixing circuit breaker 6,10,15,20,30,40,50 & 63 amps SP(TB-5S) on prepared board as required.	Each	21	2504.12	52,586.52
vi)	<u>DISTRIBUTION BOARD DB- POWER (Quantity for 2 DBs FF,FF-1):</u>				
a	<u>INCOMMING:</u> Providing and fixing circuit breaker 15,20,30,40,50, 75 & 100 amps TP(XS-100NS) on prepared board as required.	Each	2	28736.16	57,472.32
b	Providing and fixing of current transformer of ration 60/5 Amps (Round) RLC-30 as required or as per instructed as EI.	Each	6	6295.56	37,773.36
c	Providing and fixing voltmeter size 96/96mm 500 volt as required and as instruction of E.I.	Each	6	4186.5	25,119.00
d	Providing and fixing circuit breaker 6,10,15,20,30,40,50 & 63 Amps SP (TB-5S) on prepared board as required.	Each	6	2504.12	15,024.72
e	<u>OUTGOING:</u> Providing and fixing circuit breaker 6,10,15,20,30,40,50 & 63 Amps SP (TB-5S) on prepared board as required.	Each	42	2504.12	105,173.04
vii)	<u>DISTRIBUTION BOARD DB- POWER HALL</u>				
a	<u>INCOMMING:</u> Providing and fixing circuit breaker 15,20,30,40,50, 75 & 100 Amps TP(XS-100NS) on prepared board as required.	Each	1	28736.16	28,736.16
b	Providing and fixing of current transformer of ration 60/5 amps (round) RLC-30 as required or as per instructed as E.I.	Each	3	6295.56	18,886.68
c	Providing and fixing voltmeter size 96/96mm 500 volt as required and as instruction of E.I.	Each	3	4186.5	12,559.50
d	Providing and fixing circuit breaker 6,10,15,20,30,40,50 & 63 Amps SP (TB-5S) on prepared board as required.	Each	3	2504.12	7,512.36

Sr. No.	Description	Unit	Qty.	Rate	Amount
e	<u>OUTGOING:</u> Providing and fixing circuit breaker 6,10,15,20,30,40,50 & 63 Amps SP (TB-5S) on prepared board as required.	Each	12	2504.12	30,049.44
2	<u>WIRING IN CONCEALED CONDUITS</u>				
i)	<u>Distribution board to Switch</u> (General Description) Wiring of light circuit from Distribution Board to switch, with Three nos. single core 2.5 Sqm. PVC insulated 450/750 volts grade stranded copper conductor cables in concealed PVC conduits (conduits partly shared) including PVC conduit, and conduit accessories etc. Cable should be of Newage, Fast cable, Universal cables or equivalent and conduit should be of Dadex, Turkplast, Easy-fit or equivalent as per instructions by Engineer Incharge				
a	Providing and laying (main or Sub Main Pvc insulated with 3-7.29 copper conductor in 3/4" dia PVC conduit recessed in the wall or column as required.	P.Mtr.	1330	2,187.95	2,909,973.50
ii)	<u>Switch to light point</u> (General Description) Wiring from switch to light or fan point with 3 nos. single core 1.5 Sqmm PVC insulated 450/750 Volts grade stranded copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc., (conduit partly shared).				
a	Wiring of Light and fan point with 3.29 PVC insulated wire in 20mm (3/4") dia PVC conduit recessed in the wall or column as required.	P.Point	517	6,364.33	3,290,358.61
b	<u>Point to point wiring:</u> Providing and laying (main or Sub Main PVC insulated with 3-3.29 copper conductor in 3/4" dia PVC conduit recessed in the wall or column as required.	P.Mtr.	2496	1,703.46	4,251,836.16
iii)	<u>Switch to Switch</u> (General Description) Wiring from switch to switch with 3 nos. single core 2.5 Sqmm PVC insulated 450/750 Volts grade stranded copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc., (conduit partly shared).				
a	Providing and laying (main or Sub Main PVC insulated with 3-7.29 copper conductor in 3/4" dia PVC conduit recessed in the wall or column as required.	P.Mtr.	1112	2,245.61	2,497,118.32
iv)	<u>Distribution board to General Purpose (5A/13A) socket:</u> (General Description) Wiring of circuit from Distribution Board to 5A/13A ,230Volts with 3 nos. single core 2.5 Sqmm PVC insulated 450/750 Volts graded , 2&3 pin switched socket, stranded copper conductor cables in concealed PVC conduit, including conduit accessories, etc., (conduit partly shared)				
a	Providing and laying (main or Sub Main PVC insulated with 3-7.29 copper conductor in 3/4" dia PVC conduit recessed in the wall or column as required.	P.Mtr.	2275	2,245.61	5,108,762.75

Sr. No.	Description	Unit	Qty.	Rate	Amount
v) a	<u>Socket to Socket</u> (General Description) Wiring from 5 Amps, 2&3 pin socket to socket with 3 nos. single core 2.5 Sqmm PVC insulated 450/750 Volts grade solid or standard copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc., complete. (conduit partly shared) Providing and laying (main or Sub Main PVC insulated with 3-7.29 copper conductor in 3/4" dia PVC conduit recessed in the wall or column as required.	P.Mtr.	1340	2,245.61	3,009,117.40
vi) a	<u>Distribution board to 15Amps socket</u> (General Description) Wiring of circuit from distribution board to 20A, 230Volts, DP switch with 3 or 5 nos. single core 6 Sqmm PVC insulated 450/750 Volts grade stranded copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc., (conduit partly shared for A/Cs) Providing and laying (main or Sub Main PVC insulated with 3-7.44 copper conductor in 1" dia PVC conduit recessed in the wall or column as required.	P.Mtr.	280	4,496.78	1,259,098.40
vii) a	<u>Distribution board to 20Amps socket</u> (General Description) Wiring of circuit from distribution board to 20A, 230Volts, DP switch with 3 or 5 nos. single core 6 Sqmm PVC insulated 450/750 Volts grade stranded copper conductor cables in concealed PVC conduit including PVC conduit, Conduit accessories, etc., (conduit partly shared for A/Cs) Providing and laying (main or Sub Main Pvc insulated with 3-7.44 copper conductor in 1" dia PVC conduit recessed in the wall or column as required.	P.Mtr.	35	4,496.78	157,387.30
viii) a	<u>Wiring for flood lights:</u> Providing and laying (main or Sub Main Pvc) insulated with 3-7.36 copper conductor in 3/4" dia PVC conduit recessed in the wall or column as required.	P.Mtr.	900	3,064.70	2,758,230.00
4 i)	<u>MISCELLANEOUS FITTINGS</u> Providing and fixing brass Ceiling fan 56" (Good quality).	Each	132	14,869.21	1,962,735.72
Sub-Total of SOR Items					29,180,575.42
Premium _____ Above/ Below on Schedule Items.....					
TOTAL OF SOR ITEMS (SECTION-I)					

Sr. No.	Description	Unit	Qty.	Rate	Amount
SECTION-II, ELECTRICAL WORKS, Schedule Items (Wiring):					
1	<u>WIRING IN CONCEALED CONDUITS</u>				
i)	<u>Distribution board to Switch:</u> (General Description) Wiring of light circuit from Distribution Board to switch, with Three nos. single core 2.5 Sqmm PVC insulated 450/750 volts grade stranded copper conductor cables in concealed PVC conduits (conduits partly shared) including PVC conduit, and conduit accessories etc. Cable should be of Newage, Fast cable, Universal cables or equivalent and conduit should be of Dadex, Turkplast, Easy-fit or equivalent as per instructions by Engineer Incharge Providing laying & connecting of 150 mmsq., 4 Core, PVC/SWA/PVC from Substation-1 to MDB panel laid in ground in RCC pipe including digging of earth and making CC Man-Holes with covers at required distance for pulling of cables. Job also involves refilling of Earth and providing cable markers for route of LT cable as per specifications.	P.Rft	1000	9367.96	9,367,960.00
2	<u>LT Cables:</u>				
i)	Providing and Laying (MAIN or SUB MAIN) PVC insulated & PVC sheeted with 4 core Armored copper conductor 600/1000 volts size 16 mm2 .	P.Mtr.	500	4,860.50	2,430,250.00
ii)	Providing and Laying (MAIN or SUB MAIN) PVC insulated & PVC sheeted with 4 core Armored copper conductor 600/1000 volts size 25 mm2.	P.Mtr.	120	6,729.70	807,564.00
iii)	Providing and Laying (MAIN or SUB MAIN) PVC insulated & PVC sheeted with 4 core Armored copper conductor 600/1000 volts size 95 mm2 .	P.Mtr.	150	19,401.42	2,910,213.00
Sub-Total of SOR Items					15,515,987.00
Premium _____ Above/ Below on Schedule Items.....					
TOTAL OF SOR ITEMS (SECTION-II)					

Sr. No.	Description	Unit	Qty	Rate	Amount
SECTION-III, ELECTRICAL WORKS (Non-Schedule Items):					
1	<p><u>DISTRIBUTION BOARDS</u> (General Description) Supply at site, fabrication, installation, testing and commissioning of Distribution Board (DB) , made of sheet steel 16 SWG, degreased and derusted, with 2 coats of antirust paint, 2 coats of powder coated paint of approved colour, protection classification IP-44, totally enclosed indoor floor mounting cubicle type in free standing design, with hinged door, handle including cost of all auxiliaries, internal wiring, designation labels on MCCBS, grounding bar suitable for system Voltage 440V, 50 Hz, 3 Phase and neutral bus bars of 99.9% electrolytic copper, including cost of cable terminal blocks wiring from breakers, brass cable glands, all accessories complete in all respects mention in BOQ or not required for performing completely. All incoming and outgoing breakers shall be accessible only by opening the front door having further M.S. sheet cover gaskets shall also be provided where necessary. Panel should be completely made in certified factory. i.e. PEL, Green T & D, Mazcorp engineering or equivalent as per instructions by Engineer Incharge.</p> <p>(General Description) All MCCBs shall be suitable to operate without any derating at 40°C ambient temperature and shall be of one make only. The sides of MDB shall also have louvers at bottom and top on sides of panel for hot air exhaust, wire mesh etc. The back of the panel shall be lockable door instead of bolted and shall conform to single line diagram. Item should be of ABB, Schneider or equivalent as per instructions by Engineer Incharge.</p>				
i)	<p><u>MAIN DISTRIBUTION BOARD</u> <u>INCOMING:</u> Providing and fixing of Metal Clad, free standing, front access, totally enclosed, frame fabricated from 14/16 SWG, MS sheet with surface treatment Powder Coated Paint RAL 7035, Texture White, Suitable for system voltage 400/230, 50HZ, 3 Phase Copper bus bar, Neutral bus bar, Earthing bus bar and internally wired., Mechanical interlocking for MCCBs, 03 No Phase Indication Lights, 220 VAC (R-Y-B) 01 No Digital Ampere Meter,01 No Ampere Selector Switch,03 No CTs 200/5A Wall Mounted DB Panel In door Type (Suitable Size) complete in all respect as approved or directed by Engineer Incharge. NSI</p>	P.Job	1		

Sr. No.	Description	Unit	Qty	Rate	Amount
ii)	<u>DISTRIBUTION BOARD DB- LIGHTING GF,FF 1-2 INCOMING:</u> Providing and fixing of Metal Clad, free standing, front access, totally enclosed, frame fabricated from 14/16 SWG, MS sheet with surface treatment Powder Coated Paint RAL 7035, Texture White, Suitable for system voltage 400/230, 50HZ, 3 Phase Copper bus bar, Neutral Bus Bar, Earthing bus bar and internally wired., Mechanical interlocking for MCCBs, 03 No Phase Indication Lights, 220 VAC (R-Y-B) 01 No Digital Ampere Meter,01 No Ampere Selector Switch,03 No CTs 200/5A Wall Mounted DB Panel In door Type (Suitable Size) complete in all respect as approved or directed by Engineer Incharge.	P.Job	4		
iii)	<u>DISTRIBUTION BOARD DB- POWER GF,FF 1-2 INCOMING:</u> Providing and fixing of Metal Clad, free standing, front access, totally enclosed, frame fabricated from 14/16 SWG, MS sheet with surface treatment Powder Coated Paint RAL 7035, Texture White, Suitable for system voltage 400/230, 50HZ, 3 Phase Copper bus bar, Neutral bus bar, Earthing Bus Bar and internally wired., Mechanical interlocking for MCCBs, 03 No Phase Indication Lights, 220 VAC (R-Y-B) 01 No Digital Ampere Meter,01 No Ampere Selector Switch,03 No CTs 200/5A Wall Mounted DB Panel In door Type (Suitable Size) complete in all respect as approved or directed by Engineer Incharge.	P.Job	4		
2	<u>LIGHT FIXTURES</u> (General Description) Supply, installation, testing and commissioning of following light fittings, ceiling, recessed, wall mounted as per specified fixture. Complete with internal wiring, Grounding terminal, driver complete in all respects. Lights should be of Phillips, led Vance, Sky LED or equivalent.				
i)	24 Watt (White) LED Light Fixture surface/recessed mounted, IP-22 rated	Each	419		
ii)	18 Watt (White) LED Light Fixture surface/recessed mounted, IP-22 rated	Each	124		
iii)	12 Watt LED Light Fixture surface/recessed mounted, IP-22 rated	Each	80		
iv)	09 Watt Fancy light	Each	151		
v)	20 Watt Flood lights	Each	12		
vi)	Pearlite make or equivalent External Bulkhead light fixture Oval-100 with 1x100 W GLS Lamp. To be approved by Client.	Each	24		
vii)	SUN make or equivalent Boundary Wall Light fixture SUN K-23 having top-post polycarbonate globe with 1x100 W Lamp. To be approved by Client.	Each	13		

Sr. No.	Description	Unit	Qty	Rate	Amount
3	<u>MISCELLANEOUS FITTINGS</u> (General Description) Supply, installation, testing & commissioning of Ceiling/ Exhaust fan. The ceiling/exhaust fan shall comprise circular fan metallic/ plastic body, metallic fan blades, down rod (if necessary) of suitable dia & length, AC capacitor, internal wiring, terminals all installation & operational accessories as per tender specifications, as per site requirements and as per instructions by the Engineer, make GFC, Pak Fan, Royal Fan or approved equivalent.				
i)	10 " outer dia exhaust fan with plastic body, fan blades and louvers	Each	26		
ii)	18 " outer dia wall bracket fan with plastic body, fan blades and louvers	Each	1		
4	<u>WIRING ACCESSORIES</u> (General Description) Supply at site, installation, testing and commissioning of the following wiring accessories, complete in all respects. Made of TJ, Legrand or approved equivalent.				
i)	10 Amps, 250Volts one way, One gang light control switches including appropriate size concealed Plastic back box.	Each	162		
ii)	10 Amps, 250Volts one way, Two gang light control switches including appropriate size concealed Plastic back box.	Each	67		
iii)	10 Amps, 250Volts one way, Three gang light control switches including appropriate size concealed Plastic back box.	Each	7		
iv)	10 Amps, 250Volts one way, Four gang light control switches including appropriate size concealed Plastic back box.	Each	65		
v)	10 Amps, 250Volts one way, Five gang light control switches including appropriate size concealed Plastic back box.	Each	3		
vi)	10 Amps, 250Volts one way, Six gang light control switches including appropriate size concealed Plastic back box.	Each	12		
vii)	10 Amps, 250Volts two way, one gang light control switches including appropriate size concealed Plastic back box.	Each	2		
viii)	13 Amps, 250Volts, 3 Pin flat switch socket single outlet including appropriate size Plastic back box.	Each	332		
ix)	15Amp 3Pin Round Switch Socket Outlet including appropriate size Plastic back box.	Each	8		
x)	20A DP Switch with Neon & Earth including appropriate size Plastic back box.	Each	1		
xi)	1-Gang Cat-6 RJ45 Data Outlet	Each	11		
xii)	Fan Dimmer 250 watt including appropriate size Plastic back box with all associated accessories.	Each	132		

Sr. No.	Description	Unit	Qty	Rate	Amount
5	<u>GROUNDING SYSTEM</u>				
i)	<u>GROUNDING cable</u> Supply at site, installation, testing and commissioning of PVC insulated non armored copper conductor cable 450/750 Volt grade (or otherwise mentioned in cable description) in pre-laid conduits / trenches to be installed as per routes shown on drawings including cost of all necessary materials, connections, identification tags, cables lugs properly crimped at both ends for the following sizes complete in all respects. Actual length of cables to be installed shall be practically measured at site by the Contractor, duly authenticated by the Engineer before placing the order with the manufacturer, however, approximate length of cables are shown herewith. Payments shall be made as per actual length installed. Cable should be of FAST, Newage or universal cables and conduit should be of Solo, popular, easy-fit or equivalent as approved by Engineer Incharge				
a	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 660/1100 volts grade cable, in pre-laid G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches, etc., (rate for cable only):-6 mm sq (7/0.044")	P.Mtr.	496		
b	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 660/1100 volts grade cable, in prepaid G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches, etc., (rate for cable only):- 10 mm sq (7/0.052")	P.Mtr.	120		
c	Supply and erection of single core PVC insulated, PVC sheathed copper conductor, 660/1100 volts grade cable, in prepaid G.I. pipe/M.S. conduits/PVC pipe/G.I. wire/trenches, etc (rate for cable only):- 16 mm sq (7/0.064")	P.Mtr.	50		
6	<u>EARTHING:</u> Supply, installation, testing and commissioning of earthing system for protecting Earthing of Rod 19 mm 10 ft long with bare solid Earth conductor 1 x 35sq.mm upto earth connecting point, inspection chamber, marcasite concrete, drilling etc., to achieve less than 3 ohms specified Earthing results. Complete in all respect as per drawing and specification or as per directed by Engineer..	Each	1		
7	<u>FIRE ALARM SYSTEM:</u>				
	(General Description) Supply, installation, testing and commissioning of following items as per drawings, specifications, & instructions of the Engineer, complete in all respect, all item should be of Gent by Honeywell, ETON Uk,TNA UK or approved equivalent as per instructions by the Engineer as required.				

Sr. No.	Description	Unit	Qty	Rate	Amount
i)	<u>MANUAL CALL POINT:</u> Supply, install testing and commissioning of Addressable Manual Call Point Flush Mount Reset-able Call Point, supplied with reset-able key. Optional Accessories: TX7140-MB Surface Mount Back Box, TX7140-PFC Protective Flip Cover. Make: TNA UK or equivalent complete in all respect as approved or directed by Engineer Incharge.	Each	4		
ii)	<u>SMOKE DETECTOR:</u> Supply, install testing and commissioning of Photoelectric type Fastest response to slow burning or smoldering fires, reliable early detection Smart drift compensation, auto compensate for dust or other environmental changes that affect the performance Stability & prevent fault alarm 360-degree visual indicator Support remote indicator output. Accessories: Base: TX7980 Standard Addressable Base, TX7322 Addressable Sounder Base, TX7232 Base Mount Short Circuit Isolator, TX7302 Addressable Flashing Beacon Base Standard base for addressable detectors Make: TNA UK or equivalent complete in all respect as approved or directed by Engineer Incharge.	Each	72		
iii)	<u>SOUNDER:</u> Supply, install testing and commissioning of Addressable Sounder 17 sound tones selection Loop powered Low and normal consumption mode Up to 102dB at 1 meter Make: TNA UK or equivalent complete in all respect as approved or directed by Engineer Incharge.	Each	4		
iv)	<u>FACP</u> Supply, install testing and commissioning of Addressable Fire Alarm Control Panel 2 loop. Fire alarm control panel, indicate fire and fault status LCD screen provide real time system & devices information, easy operation and maintenance PC and keypad programming & control, user friendly Built-in Panel Printer, NC7004 Communication Card Outer glass door Wall-mounted Cabinet Size (W X H X D mm): 530 mm x 490 mm x 135 mm Optional Accessories: TX7814 Dongle for TX7, Batteries Make: TNA UK or equivalent complete in all respect as approved or directed by Engineer Incharge.	Each	1		
v)	<u>Cable</u> Supply, install testing and commissioning g of 2 x 2.5 mmsq shielded drain wire, 30 minutes fire resistance, red, LPCB approved, BS 7629-1/2008, BS 5839-1 standard.(Newage, Pakistan Cable, Fast or approved equivalent), as per instructions by Engineer Incharge.	P.Mtr.	475		
vi)	<u>Conduit:</u> 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. 25 mm i/d	P.Mtr.	475		

Sr. No.	Description	Unit	Qty	Rate	Amount
vii)	<u>Programming, Testing and Commissioning</u> Programming, Testing and Commissioning of Complete system by authorized certified company complete in all respects as per instructions of the Engineer.	L.S	1		
viii)	<u>FIRE EXTINGUISHERS</u> Supply & installation of Dry Chemical Powder (M.S-Steel): Providing of New Fire Extinguisher Dry Chemical Powder (DCP) with one year warranty and filled with Nitrogen pressure along with Wall hook and discharge pipe. Complete in All respects.as approved or directed by Engineer Incharge.	Each	4		
8	<u>DATA SYSTEM</u>				
i)	<u>DATA CABLE</u> Supply, installation, Testing and commissioning of CAT 6 UTP CABLE in prepaid PVC PIPE Ø 1”; MEASUREMENT IN METERS complete in all respects. Made of Hikvision, D-Link or equivalent approved by Engineer Incharge	P.Mtr	560		
ii)	<u>CONDUIT</u> 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.25 mm i/d	P.Mtr	560		
iii)	<u>DATA CABINET</u> Supply, installation of wall mounted CCTV Cabinet comprising of Powder Coated M.S frame, front glass & two side openings, with all necessary accessories/materials, complete in all respects. Made of Bosch/ HP / Dell , Pollo Australia, or equivalent or as approved and directed by Engineer Incharge(i) 12U	Each	1		
iv)	<u>CABLE MANAGER</u> Supply and installation of Cable Metal Organizer, 19” Rack mounted with high graded epoxy powder coating and slide-able top- UL Listed. Made of Schneider/i-Connect UK/3M Corning: Pollo Australia or equivalent as approved and directed by the Engineer Incharge.	Each	1		
v)	<u>PATCH PANEL:</u> Supply and installation of CAT-6 (24 Port Patch Panel with Tool-less Support 10-Gigabit). UTP Patch Panel with specified tool-less support & Rear Cable Management, UL listed, Loaded with UTP of specified Keystone Jack Tool less Support , Made of Schneider / Norden /3M Corning/D-Link, Pollo Australia or equivalent or as Approved and Directed by Engineer Incharge.	Each	1		
vi)	<u>PDU:</u> Supply & Installation of PDU as approved or directed by Engineer Incharge.	Each	1		

Sr. No.	Description	Unit	Qty	Rate	Amount
vii)	<p><u>24 Port Data Switch:</u> Supply, Installation and Connection of Hikvision 24 Port Gigabit Unmanaged POE Switch, 24 × Gigabit PoE ports, 2 × Gigabit SFP fiber optical ports, IEEE 802.3at/af standard, 6 KV surge protection for PoE ports, PoE power management, Gigabit network access, MAC Address Table : 8 K, Switching Capacity : 52 Gbps, Packet Forwarding Rate : 38.688 Mpps, Internal Cache : 4.1 Mbits, Wire-speed forwarding, Store-and-forward switching, Solid high-strength metal shell made of Hikvision Model no DS-3E0526P-E/M , Huawei, Cisco USA or equivalent as approved or directed by Engineer Incharge.</p>	Each	7		
ix)	<p><u>Wifi Router:</u> Supply, Installation and commissioning of TP-Link AC750 Dual-Band Wi-Fi Router High-Speed Wi-Fi, C750 dual-band is ideal for HD video streaming, high-speed downloading. Far-Reaching Coverage, 4× antennas deliver far-reaching Wi-Fi and reliable connections. Multi-Mode 3 in 1—Supports Router, Access Point, and Range Extender to add flexibilities. Parental Controls—Manages when and how connected devices can access the internet. Guest Network—Provides separate access for guests while securing the host network. Smooth HD Streaming—Supports IGMP Proxy/Snooping, Bridge and Tag VLAN to optimize IPTV streaming. IPv6 Supported—Compatible with the Ipv6 (the latest Internet Protocol version-6). Compact and Mountable-Designed to conserve space and complement any décor. As per specification as approved or directed by Engineer Incharge.</p>	Each	8		
9	<u>CIVIL WORKS</u>				
i)	<p><u>TRENCH:</u> Labor for excavation and refilling of trench 12" wide, 36" deep 4" sand, bricks and warning tape. Compaction below and above preinstalled PVC pipes if any, ramming watering all necessary material, labor etc., complete in all respect. Actual length of the trench shall be as per site condition and paid accordingly however approximate length of trench is given. as approved and directed by Engineer Incharge.</p>	P.Mtr	130		
ii)	<p><u>Manhole For LT Cable Pulling (If Required)</u> Construction of manholes to facilitate pulling of cables in trench or conduit as shown on drawing, manholes shall be of the size 24" x 24" x 30" deep with 9" thick wall with cement mortar, internal plaster 1:4, 100mm thick RCC cover for manhole, including cost of all accessories / materials, complete in all respects. (Tentative number of manholes have been provided, however payment shall be made as per actual and as per quantity requirement)</p>	Each	4		
10)	<u>Air Conditioning</u>				
a)	<p>(General Description) Providing, shifting, fixing, testing commissioning adjusting and balancing of standard (Cool only) DC Inverter Technology Air-Conditioning units, i/c indoor evaporating and outdoor condensing unit, the indoor unit wall mounted of capacities as specified below, complete with Factory charged Refrigerant, piping insulation i/c condensate copper piping connection, b/w indoor/ outdoor unit conducting and any additional charge of refrigerant accessories, and Drain piping upto nearest drain water line included in these rates making the job complete in all respect. AC should be Haier, Dawalance, Gree or equivalent, copper piping should be of muller, trox and insulation of Durkfles oer equivalent as per instructions by the Engineer/ Incharge.</p>				

Sr. No.	Description	Unit	Qty	Rate	Amount
i)	<p>(General Description) ¼ and ½ copper piping should be used till 1.5 Ton AC and 5/8 and 3/8 piping should be used for 2 Ton AC and 3/8 and ½ for 4 Ton AC b/w Indoor and Outdoor unit.</p> <p>(General Description) The AC should maintain approx. 11 BTU per cubic feet plus addition of 3000 BTU in the total amount for persons and devices.</p> <p>Copper pipe Supply, installation testing and commissioning of Copper piping 3/8 with insulation and control wire including making jharies and repairing of surface with all necessary item, job must be complete in all respect.</p>	P.Rft	20		
b	Supply, installation testing and commissioning of Copper piping 5/8 with insulation and control wire including making jharies and repairing of surface with all necessary item, job must be complete in all respect.	P.Rft	20		
ii)	<p>Drain Pipe Providing, laying, testing and commissioning of 1/2" µ-PVC (Un plasticized Polyvinyl Chloride) Schedule pipe of nominal diameter, Dadex/Popular / Beta or approved equivalent manufacturer, i/c the cost of solvent and specials complete as approved and directed by the Engineer Incharge.</p>	P.Mtr	7		
iii)	<p>Control Cable Supply and erection of copper conductor cables for service connection, in prelaid pipe/G.I. wire/trenches, etc. (rate for cable only):- b) PVC insulated, PVC sheathed 3 core flexible cable, 300/500 volt cable: iii) 7/0.74 mm (7/0.029")</p>	P.Mtr	7		
iv)	<p>Copper pipe insulation Supply & installation closed cell type Aluminum foil faced XLPE (Cross linked polyethylene) polyolefin pipe insulation tube of density 25 Kg/m³ of specified thickness & thermal conductivity 0.035 w/m °C and fire retardant of Class "o" rating as specified for refrigerant copper piping as approved by the Engineer Incharge.</p>				
a	20 mm thick 3/8" dia.	P.Rft	20		
b	5/8" dia.	P.Rft	20		
11	<p>Duct panel Supply at site and installation of duct panel on wall where necessary made of popular, dadex, turkplast or equivalent as approved or directed by Engineer Incharge.</p>				
a	16 x 25 mm	P.Mtr	50		
b	25 x 25 mm	P.Mtr	50		
12	Providing, installing and connecting of Motor starter suitable for 5hp motor and rated for 3-phase, 415 volts, 50 Hz AC power supply. Complete with bimeta-land instantaneous magnetic trip auxiliary contacts, push buttons single phase protection with metallic insulated enclosure with one insulated terminal for earth surface mounting type complete in all respects with all accessories required.	Each	2		

Sr. No.	Description	Unit	Qty	Rate	Amount
13	Wiring for external lighting with 2-4mm ² S/C, PVC insulated cable + 1-2.5mm ² ECC in 25mm (1") dia PVC conduit recessed in the wall or as required.	P.Rft	1825		
14	Providing, installing and connecting of 20 Amps, triple pole, 500 volts, MCCB as main disconnect switch for pump motors on 18 SWG sheet steel surface mounted box anti-rust treated and painted complete with 'ON' and 'OFF' indication lamps and all other accessories required.	Each	2		
15	Wiring for 5HP pump with 4mm ² 4/C, PVC/PVC cable + 2-2.5mm ² ECC in 32mm (1.25") dia PVC conduit recessed in the wall or as required. Complete in all respects with all accessories required.	P.Rft	433		
TOTAL OF NON-SOR ITEMS (SECTION-III)					

Contractor

Project Director

(INTEGRITY PACT)

DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC; PAYABLE BY CONTRACTORS.

Contract No. _____ Dated _____

Contract Value: _____

Contract Title: **Construction of New 150 Boys Students Hostel including Civil, Plumbing, Internal Electrification & Boundary Wall at MUET, Jamshoro.**

M/s _____ hereby declares that it has not obtained or induced the procurement of any contract, right, interest, privilege or other obligation or benefit from Government of Sindh (GoS) or any administrative subdivision or agency thereof or any other entity owned or controlled by it (GoS) through any corrupt business practice.

Without limiting the generality of the foregoing, [name of Contractor] represents and warrants that it has fully declared the brokerage, commission, fees etc. paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter, shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or inducing the procurement of a contract, right, interest, privilege or other obligation or benefit in whatsoever form from, from Procuring Agency (PA) except that which has been expressly declared pursuant hereto.

[name of Contractor] accepts full responsibility and strict liability that it has made and will make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with PA and has not taken any action or will not take any action to circumvent the above declaration, representation or warranty.

[name of Contractor] accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other rights and remedies available to PA under any law, contract or other instrument, be void ab initio at the option of PA.

Notwithstanding any rights and remedies exercised by PA in this regard, [name of Supplier/ Contractor/ Consultant] agrees to indemnify PA for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to PA in an amount equivalent to ten times the sum of any commission, gratification, bribe, finder's fee or kickback given by [name of Contractor] as aforesaid for the purpose of obtaining or inducing the procurement of any contract, right, interest, privilege or other obligation or benefit in whatsoever form from PA.

.....
(Contractor)

.....
Project Director