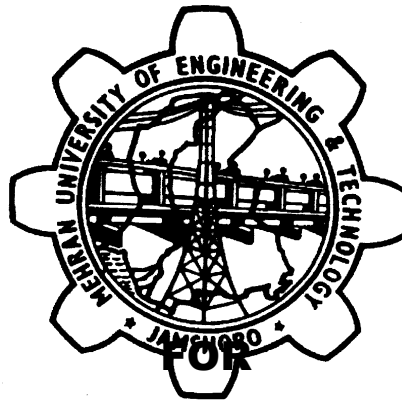




**MEHRAN UNIVERSITY OF ENGINEERING AND
TECHNOLOGY, JAMSHORO.**



ISO – 9001:2015 CERTIFIED



TENDER DOCUMENT

FOR

**CONSTRUCTION OF TOILET FOR GUARD/OPERATOR AND
ELECTRICAL WORK FOR PUMPING MOTORS AT PUMPING
STATION AT K.B. FEEDER & ELECTRICAL WORK AT STORAGE
RESERVOIRS AT MEHRAN UNIVERSITY EMPLOYEES HOUSING
SOCIETY, @ MUET JAMSHORO
(RE-INVITED).**



MEHRAN UNIVERSITY OF ENGINEERING & TECHNOLOGY,

JAMSHORO - 76062, SINDH, PAKISTAN

Phone / Fax No. +92 22 2771403

Email: nadeem.soomro@admin.muet.edu.pk

**ISO-9001:2015
Certified**

**DEPUTY DIRECTOR
(Procurement)**

“SAY NO TO CORRUPTION”

No. & Dated: DD(Proc.)/MUET/JAM/-58, 02-07-2020

NOTICE INVITING TENDERS

All the interested Contractors / firms / parties / suppliers / Manufacturers / Sole Distributors meeting eligibility criteria, viz having registration with Federal Board of Revenue (FBR) for Income Tax, Sales Tax in case of procurement of goods, registration with the Sindh Revenue Board in case of procurement of works and services and registration with Pakistan Engineering Council as the case may be and are not black listed in any procuring agency or authority, are invited to participate in sealed percentage / item rate tender for the following works:

S#	Name of Work	Tender Fee	Completion Time	Earnest Money	Date of Purchase	Date of Submission of Bids	Purchase From
1	Supplying & Installation of One 120 HP Centrifugal Pump & Motor for K.B Feeder of MUET, Jamshoro (Re-Invited).	3000/-	04 Months	5%	09-07-2020 To 27-07-2020	28-07-2020 Upto 11:00 a.m.	Executive Engineer (Development)
2	Purchase of 300 KVA, 200 KVA & 150 KVA Diesel Generators Set For Extension of Academic Block-I & II and Science & Technology Park, MUET, Jamshoro (Re-Invited).	3000/-	01 Month	5%	09-07-2020 To 27-07-2020	28-07-2020 Upto 11:00 a.m.	Executive Engineer (Development)
3	Construction of Toilet For Guard / Operator and Electric Work for Pumping Motors at Pumping Station at K.B Feeder & Electrical Work at Storage Reservoirs at M.U.E.H.S @ MUET, Jamshoro (Re-Invited).	3000/-	04 Months	5%	09-07-2020 To 27-07-2020	28-07-2020 Upto 11:00 a.m.	Executive Engineer (Development)
4	Development of Sewerage Systems and External Development works at MUET, Shaheed Z.A Bhutto Campus, Khairpur Mir's.	3000/-	04 Months	5%	09-07-2020 To 27-07-2020	28-07-2020 Upto 01:00 p.m.	Deputy Director (Procurement)
5	Purchase of research equipment for Textile Engineering Department, MUET, Jamshoro under HEC's NRPU-8859.	3000/-	02 Months	5%	09-07-2020 To 27-07-2020	28-07-2020 Upto 1:00 p.m.	Deputy Director (Procurement)

The terms and conditions are given as under:-

1. The tender documents can be had from above office or can be downloaded from SPPRA website i.e. <https://ppms.pprasingh.gov.pk/PPMS/> and University website www.muet.edu.pk/tenders-notices on the payment noted above (non-refundable) on any working day except the day of opening of tenders. The sealed tenders on prescribed proforma alongwith earnest money mentioned above of total bid in the form of Pay Order in favour from whom tender was purchased for S.No. 1 to 3 will be opened on the 28-07-2020 @ 11.30 (A.M) and for S.No. 04 & 05 will be opened on the 28-07-2020 @ 01.30 (P.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.

2. The method of procurement is Single Stage - Two Envelope Procedure for the works mentioned at **Sr. No. 01 to 03 (Technical Proposal & Financial Proposal)** and **Sr. No. 04 & 05** Single Stage-One Envelope Procedure.
3. The Bidders should have atleast 03 years successful experience of same services of any University or large organization.
4. The Bidders should be registered with tax paying agency which would be verified by concerned agencies.
5. The bidder should have the valid Regional Electric Inspector Licensee (Sukkur Region) (for S.No. 04) and (Hyderabad Region) (for S.No.03).
6. The Bidders should have atleast Rs. 09.000 (M) for Sr. Nos. 01, Rs. 50.000 (M) for Sr. No. 02, Rs. 15.000 (M) for Sr. No. 03 & 04 and Rs. 05.000 (M) for Sr. No. 04 annual turnover which would be verified by bank statement.

The Procuring Agency reserves the right to reject any or all bids subject to relevant provisions of SPP Rules, 2010 (Amended 2019) 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% 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.

Mandatory Requirements	Documents Required
Valid Registration with Pakistan Engineering Council in Civil and Electrical Engineering Discipline	Certification of Registration
Electrical Contractor License	Verified License issued from Electric Inspector/Secretary Licensing Board, Government of Sindh, Hyderabad, Region Hyderabad
Registration with FBR as an active Tax payer	Certification of Registration
Registration with SRB as an active Tax payer	Certification of Registration
Company/firm not black listed	Affidavit/Bidder's undertaking on stamp paper of Rs. 100
Details of litigation/disputes or arbitration with clients	Affidavit/Bidder's undertaking on stamp paper of Rs. 100

The bidders failing in Mandatory requirements will be disqualified technically.

A. Experience and past performance

Total: 40 marks

- (i) List of completed projects (development work in Higher Educational Institutes) under-taken in the last three (03) years (5 marks for each project, Maximum 3 projects) 15 marks
- (ii) List of completed projects (development work other than Higher Educational Institutes) under-taken in the last three (03) years (5 marks for each project, Maximum 2 projects) 10 marks
- (iii) List of ongoing projects 15 marks
 - a. Development work in Higher Educational Institutes (3 marks for each project, Maximum 3 projects)
 - b. Development work other than Higher Educational Institutes (2 marks for each project, Maximum 3 projects)

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

B. Key Personnel Qualification & Experience

Total: 17 marks

- (i) Site Engineers (2 Nos.) BE Civil Engineering & BE Electrical Engineering 8 marks
- (ii) Quantity Surveyors (1 No) BE Civil Engineering 4 marks
- (iii) Electrician (B. Tech/Diploma) 3 marks
- (iv) Wireman (Wiremen Certificate) 2 marks

CVs of key Personnel shall be attached

C. Equipment**Total: 10 marks**

- (i) Details of equipment, machineries and transport owned by firm/contractor 10 marks

D. Financial**Total: 18 marks**

- (i) Annual turnover of at least;
- a. Rs.03.00 Million of last three (03) years 3 marks
 - b. Rs.06.00 Million of last three (03) years 6 marks
 - c. Rs.10.00 Million of last three (03) years 9 marks
- (ii) Income tax return for the last 3 years 9 marks

E. Category as per PEC Regulation**Total: 15 marks**

- (i) PEC Registration in Category C6 10 marks
- (ii) PEC Registration in Category C5 and above 15 marks

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

Instructions to Bidders/ Procuring Agencies.

General Rules and Directions for the Guidance of Contractors.

This section of the bidding documents should provide the information necessary for bidders to prepare responsive bids, in accordance with the requirements of the Procuring Agency. It should also give information on bid submission, opening and evaluation, and on the award of contract.

Matters governing the performance of the Contract or payments under the Contract, or matters affecting the risks, rights, and obligations of the parties under the Contract are included as Conditions of Contract and *Contract Data*.

The *Instructions to Bidders* will not be part of the Contract and will cease to have effect once the contract is signed.

1. All work proposed to be executed by contract shall be notified in a form of Notice Inviting Tender (NIT)/Invitation for Bid (IFB) hoisted on website of Authority and Procuring Agency and also in printed media where ever required as per rules.

NIT must state the description of the work, dates, time and place of issuing, submission, opening of bids, completion time, cost of bidding document and bid security either in lump sum or percentage of Estimated Cost/Bid Cost. The interested bidder must have valid NTN also.

2. Content of Bidding Documents must include but not limited to: Conditions of contract, Contract Data, specifications or its reference, Bill of Quantities containing description of items with scheduled/item rates with premium to be filled in form of percentage above/ below or on item rates to be quoted, Form of Agreement and drawings.

3. Fixed Price Contracts: The Bid prices and rates are fixed during currency of contract and under no circumstance shall any contractor be entitled to claim enhanced rates for any item in this contract.

4. The Procuring Agency shall have right of rejecting all or any of the tenders as per provisions of SPP Rules 2010.

5. Conditional Offer: Any person who submits a tender shall fill up the usual printed form stating at what percentage above or below on the rates specified in Bill of Quantities for items of work to be carried out: he is willing to undertake the work and also quote the rates for those items which are based on market rates. Only one rate of such percentage, on all the Scheduled Rates shall be framed. Tenders, which propose any alternative in the works specified in the said form of invitation to tender or in the time allowed for carrying out the work, or which contain any other conditions, will be liable to rejection. No printed form of

tender shall include a tender for more than one work, but if contractor wish to tender for two or more works, they shall submit a separate tender for each.

The envelope containing the tender documents shall refer the name and number of the work.

6. All works shall be measured by standard instruments according to the rules.

7. Bidders shall provide evidence of their eligibility as and when requested by the Procuring Agency.

8. Any bid received by the Agency after the deadline for submission of bids shall be rejected and returned unopened to the bidder.

9. Prior to the detailed evaluation of bids, the Procuring Agency will determine whether the bidder fulfills all codal requirements of eligibility criteria given in the tender notice such as registration with tax authorities, registration with PEC (where applicable), turnover statement, experience statement, and any other condition mentioned in the NIT and bidding document. If the bidder does not fulfill any of these conditions, it shall not be evaluated further.

10. Bid without bid security of required amount and prescribed form shall be rejected.

11. Bids determined to be substantially responsive shall be checked for any arithmetic errors. Arithmetical errors shall be rectified on the following basis;

- (A) **In case of schedule rates**, the amount of percentage quoted above or below will be checked and added or subtracted from amount of bill of quantities to arrive the final bid cost.
- (B) **In case of item rates**, .If there is a discrepancy between the unit rate and the total cost that is obtained by multiplying the unit rate and quantity, the unit rate shall prevail and the total cost will be corrected unless in the opinion of the Agency there is an obvious misplacement of the decimal point in the unit rate, in which case the total cost as quoted will govern and the unit rate corrected. If there is a discrepancy between the total bid amount and the sum of total costs, the sum of the total costs shall prevail and the total bid amount shall be corrected.
- (C) Where there is a discrepancy between the amounts in figures and in words, the amount in words will govern.

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 Toilet For Guard / Operator and Electric Work for Pumping Motors at Pumping Station at K.B Feeder & Electrical Work at Storage Reservoirs at M.U.E.H.S @ MUET, Jamshoro (Re-Invited).**
- c) Estimated Cost : **Rs. 2.428 (M)**
- d) Amount of Bid Security : **5%**
- e) Period of Bid Validity : **90 days.**
- f) Amount of Bid Security : **10%** (5% at the time of Bid Submission and 5% deductible from the running bills).
- g) Percentage if any, to be Deducted from bill : **5%**
- h) Deadline of submission of Bids along with time: **28-07-2020 upto 11.00 A.M**
- I) Venue, Date & Time of Bid opening: **Office of Executive Engineer (Dev.) 28-07-2020 at 11.30 (A.M)**
- j) Time for Completion from written order of commence: **04 Months**
- k) Liquidity damages : ----- (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:

Conditions of Contract

Clause – 1: Commencement & Completion Dates of work. The contractor shall not enter upon or commence any portion or work except with the written authority and instructions of the Engineer-in-charge or of in subordinate-in-charge of the work. Failing such authority the contractor shall have no claim to ask for measurements of or payment for work.

The contractor shall proceed with the works with due expedition and without delay and complete the works in the time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor and shall reckoned from the date on which the order to commence work is given to the contractor. And further to ensure good progress during the execution of the work, contractor shall be bound, in all in which the time allowed for completion of any work exceeds one month, to achieve progress on the prorate basis.

Clause – 2: Liquidated Damages. The contractor shall pay liquidated damages to the Agency at the rate per day stated in the bidding data for each day that the completion date is later than the Intended completion date; the amount of liquidated damage paid by the contractor to the Agency shall not exceed 10 per cent of the contract price. Agency may deduct liquidated damages from payments due to the contractor. Payment of liquidated damages does not affect the contractor's liabilities.

Clause – 3: Termination of the Contract.

- (A) Procuring Agency/Executive Engineer may terminate the contract if either of the following conditions exists:-
- (i) Contractor causes a breach of any clause of the Contract;
 - (ii) The progress of any particular portion of the work is unsatisfactory and notice of 10 days has expired;
 - (iii) In the case of abandonment of the work owing to the serious illness or death of the contractor or any other cause.
 - (iv) Contractor can also request for termination of contract if a payment certified by the Engineer is not paid to the contractor within 60 days of the date of the submission of the bill;
- (B) The Executive Engineer/Procuring Agency has power to adopt any of the following courses as may deem fit:-
- (i) To forfeit the security deposit available except conditions mentioned at A
 - (iii) and (iv) above;
 - (ii) To finalize the work by measuring the work done by the contractor.

(C) In the event of any of the above courses being adopted by the Executive Engineer/Procuring Agency, the contractor shall have:-

- (i) 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 advances on account of, or with a view to the execution of the work or the performance of the contract,
- (ii) However, the contractor can claim for the work done at site duly certified by the executive engineer in writing regarding the performance of such work and has not been paid.

Procuring Agency/Engineer may invite fresh bids for remaining work.

Clause 4: Possession of the site and claims for compensation for delay. The Engineer shall give possession of all parts of the site to the contractor. If possession of site is not given by the date stated in the contract data, no compensation shall be allowed for any delay caused in starting of the work on account of any acquisition of land, water standing in borrow pits/ compartments or in according sanction to estimates. In such case, either date of commencement will be changed or period of completion is to be extended accordingly.

Clause –5: Extension of Intended Completion Date. The Procuring Agency either at its own initiatives before the date of completion or on desire of the contractor may extend the intended completion date, if an event (which hinders the execution of contract) occurs or a variation order is issued which makes it impossible to complete the work by the intended completion date for such period as he may think necessary or proper. The decision of the Executive Engineer in this matter shall be final; 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. 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.

Clause –6: Specifications. The contractor shall execute the whole and every part of the work in the most substantial and work-man-like 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 confirm exactly, fully and faithfully to the designs, drawing, and instructions in writing relating to the work signed by the Engineer-in-charge and lodge 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 expense to make or cause to be made copies of the specifications, and of all such designs, drawings, and instructions as aforesaid.

Clause – 7: Payments.

- (A) **Interim/Running Bill.** A bill shall be submitted by the contractor as frequently as the progress of the work may justify for all work executed and not included in any previous bill at least once in a month and the Engineer-in-charge shall take or cause to be taken the requisite measurements for the purpose of having the same verified and the claim, as far as admissible, adjusted, if possible before the expiry of ten days from the presentation of the bill, at any time depute a subordinate to measure up the said work in the presence of the contractor or his authorized agent, whose countersignature to the measurement list will be sufficient to warrant and the Engineer-in-charge may prepare a bill from such list which shall be binding on the contractor in all respects.

The Engineer /Procuring Agency shall pass/certify the amount to be paid to the contractor, which he considers due and payable in respect thereof, subject to deduction of security deposit, advance payment if any made to him and taxes. All such intermediate payment shall be regarded as payments by way of advance against the final payment only and not as payments for work actually done and completed, and shall not preclude the Engineer-in-charge from recoveries from final bill and rectification of defects and unsatisfactory items of works pointed out to him during defect liability period.

- (B) **The Final Bill.** A bill shall be submitted by the contractor within one month of the date fixed for the completion of the work otherwise Engineer-in-charge's certificate of the measurements and of the total amount payable for the works shall be final and binding on all parties.

Clause – 8: Reduced Rates. In cases where the items of work are not accepted as so completed, the Engineer-in-charge may make payment on account of such items at such reduced rates as he may consider reasonable in the preparation of final or on running account bills with reasons recorded in writing.

Clause – 9: Issuance of Variation and Repeat Orders.

- (A) Agency may issue a Variation Order for procurement of works, physical services from the original contractor to cover any increase or decrease in quantities, including the introduction of new work items that are either due to change of plans, design or alignment to suit actual field conditions, within the general scope and physical boundaries of the contract.
- (B) Contractor shall not perform a variation until the Procuring Agency has authorized the variation in writing subject to the limit not exceeding the contract cost by of 15% on the same conditions in all respects on which he agreed to do them in the work, and at the same rates, as are specified in the tender for the main work. The contractor has no right to claim for compensation by reason of alterations or curtailment of the work.

- (C) In case the nature of the work in the variation does not correspond with items in the Bill of Quantities, the quotation by the contractor is to be in the form of new rates for the relevant items of work, and if the Engineer-in-charge is satisfied that the rate quoted is within the rate worked out by him on detailed rate analysis, and then only he shall allow him that rate after approval from higher authority.
- (D) The time for the completion of the work shall be extended in the proportion that the additional work bear to the original contract work.
- (E) In case of quantities of work executed result the Initial Contract Price to be exceeded by more than 15%, and then Engineer can adjust the rates for those quantities causing excess the cost of contract beyond 15% after approval of Superintending Engineer / higher authority..
- (F) **Repeat Order:** Any cumulative variation, beyond the 15% of initial contract amount, shall be subject of another contract to be tendered out if the works are separable from the original contract.

Clause-10: Quality Control.

- (A) **Identifying Defects:** If at any time before the security deposit is refunded to the contractor/during defect liability period mentioned in bid data, the Engineer-in-charge or his subordinate-in-charge of the work may instruct the contractor to uncover and test any part of the works which he considers may have a defect due to use of unsound materials or unskillful workmanship and the contractor has to carry out a test at his own cost irrespective of work already approved or paid.
- (B) **Correction of Defects:** 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. The contractor shall correct the notified defect within the Defects Correction Period mentioned in notice.
- (C) **Uncorrected Defects:**
 - (i) In the case of any such failure, the Engineer-in-charge shall give the contractor at least 14 days notice of his intention to use a third party to correct a defect. He may rectify or remove, and re-execute the work or remove and replace the materials or articles complained of as the case may be at the risk and expense in all respects of the contractor.
 - (ii) If the Engineer considers that rectification/correction of a defect is not essential and it may be accepted or made use of; it shall be within his discretion to accept the same at such reduced rates as he may fix therefore.

Clause – 11:

- (A) **Inspection of Operations.** The Engineer and his subordinates, shall at all reasonable times have access to the site for supervision and inspection of works under or in course of execution in pursuance of the contract and the contractor shall afford every facility for and every assistance in obtaining the right to such access.
- (B) **Dates for Inspection and Testing.** The Engineer shall give the contractor reasonable notice of the intention of the Engineer-in-charge or his subordinate to visit the work shall have been given to the contractor, then he either himself be present to receive orders and instructions, or have a 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 an effect as if they had been given to the contractor himself.

Clause – 12: Examination of work before covering up.

- (A) No part of the works shall be covered up or put out of view/beyond the reach without giving notice of not less than five days to the Engineer whenever any such part of the works or foundations is or are ready or about to be ready for examination and the Engineer shall, without delay, unless he considers it unnecessary and advises the contractor accordingly, attend for the purpose of examining and measuring such part of the works or of examining such foundations;
- (B) If any work is covered up or placed beyond the reach of measurement without such notice having been given, 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.

Clause – 13: Risks. The contractor shall be responsible for all risks of loss of or damage to physical property or facilities or related services at the premises and of personal injury and death which arise during and in consequence of its performance of the contract. if any damage is caused while the work is in progress or become apparent within three months of the grant of the certificate of completion, final or otherwise, the contractor shall make good the same at his own expense, or in default the Engineer may cause the same to be made good by other workmen, and deduct the expenses from retention money lying with the Engineer.

Clause-14: Measures for prevention of fire and safety measures. 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 in all cases when destroying, cutting or uprooting trees, bush-wood, grass, etc by fire, the contractor shall take necessary measures to prevent such fire spreading to or otherwise damaging surrounding property. The contractor

is responsible for the safety of all its activities including protection of the environment on and off the site. Compensation of all damage done intentionally or unintentionally on or off the site by the contractor's labour shall be paid by him.

Clause-15:Sub-contracting. The contractor shall not subcontract the whole of the works, except where otherwise provided by the contract. The contractor shall not subcontract any part of the works without the prior consent of the Engineer. Any such consent shall not relieve the contractor from any liability or obligation under the contract and he shall be responsible for the acts, defaults and neglects of any subcontractor, his agents, servants or workmen as if these acts, defaults or neglects were those of the contractor, his agents' servants or workmen. The provisions of this contract shall apply to such subcontractor or his employees as if he or it were employees of the contractor.

Clause – 16: Disputes. All disputes arising in connection with the present contract, and which cannot be amicably settled between the parties, , the decision of the Superintending Engineer of the circle/officer/one grade higher to awarding authority shall be final, conclusive and binding on all parties to the contract upon all questions relating to the meaning of the specifications, designs drawings, and instructions, hereinbefore mentioned and as to the quality of workmanship, or materials used on the work or as to any other questions, claim, right, matter, or thing whatsoever in any way arising out of, or relating to the contract design, drawings, specifications, estimates, instructions, orders or these conditions or otherwise concerning the works, or the execution, of failure to execute the same, whether arising, during the progress of the work, or after the completion or abandonment thereof.

Clause –17: Site Clearance. On completion of the work, the contractor shall be furnished with a certificate by the Executive Engineer (hereinafter called the Engineer in-charge) of such completion, but neither such certificate shall be given nor shall the work be considered to be complete until the contractor shall have removed all temporary structures and materials brought at site either for use or for operation facilities including cleaning debris and dirt at the site. If the contractor fails to comply with the requirements of this clause then Engineer-in-charge, may at the expense of the contractor remove and dispose of the same as he thinks fit and shall deduct the amount of all expenses so incurred from the contractor's retention money. The contractor shall have no claim in respect of any surplus materials as aforesaid except for any sum actually realized by the sale thereof.

Clause –18: Financial Assistance /Advance Payment.

(A) Mobilization advance is not allowed.

(B) Secured Advance against materials brought at site.

- (i)** Secured Advance may be permitted only against imperishable materials/quantities anticipated to be consumed/utilized on the work within a period of three months from the date of issue of secured advance and definitely not for full quantities of materials for the entire work/contract. The sum payable for such materials on site shall not exceed 75% of the market price of materials;

- (ii) Recovery of Secured Advance paid to the contractor under the above provisions shall be affected from the monthly payments on actual consumption basis, but not later than period more than three months (even if unutilized).

Clause –19: Recovery as arrears of Land Revenue. Any sum due to the Government by the contractor shall be liable for recovery as arrears of Land Revenue.

Clause –20: Refund of Security Deposit/Retention Money. On completion of the whole of the works (a work should be considered as complete for the purpose of refund of security deposit to a contractor from the last date on which its final measurements are checked by a competent authority, if such check is necessary otherwise from the last date of recording the final measurements), the defects notice period has also passed and the Engineer has certified that all defects notified to the contractor before the end of this period have been corrected, the security deposit lodged by a contractor (in cash or recovered in installments from his bills) shall be refunded to him after the expiry of three months from the date on which the work is completed.

Divisional Accountant

Contractor

Executive Engineer/Procuring Agency

BILL OF QUANTITIES

SCHEDULE-B BILL OF QUANTITIES

CONSTRUCTION OF TOILET FOR GUARD/OPERATOR AND ELECTRICAL WORK FOR PUMPING MOTORS AT PUMPING STATION AT K.B. FEEDER & ELECTRICAL WORK AT STORAGE RESERVOIRS AT MEHRAN UNIVERSITY EMPLOYEES HOUSING SOCIETY, @ MUET JAMSHORO (Re-Invited).

GENERAL ABSTRACT

S.#	DESCRIPTION	AMOUNT
PART-A:		
1	PART-I, CIVIL WORK, SCHEDULE ITEMS:	
2	PART-II, CIVIL WORK, SCHEDULE ITEMS, (STEEL):	
3	PART-III PLUMBING WORK SCHEDULE ITEMS.	
4	PART-IV PLUMBING WORK SCHEDULE ITEMS. RCC PIPE	
5	PART-V, PLUMBING NON SCHEDULE ITEMS	
6	PART-VI ELECTRICAL WORK (SCHEDULE ITEMS)	
7	PART VII ELECTRICAL WORK (NON SCHEDULE ITEMS)	
	Total (Part-A)	
PART-B: NON SCHEDULE ITEMS (DISTRIBUTION BOARDS)		
1	PART-I: KB FEEDER MAIN WATER SUPPLY ELECTRIFICATION WORK OF POWER PANEL & DELTA STAR PANEL FOR 06 NO MOTOR PROTECTION AT MUET, JAMSHORO.	
2	PART-II: SOCIETY / COLONY WATER SUPPLY ELECTRIFICATION WORK OF POWER PANEL & DELTA STAR PANEL FOR 04 NO MOTOR PROTECTION AT MUET, JAMSHORO.	
	Total (Part-B)	
	TOTAL (A+B)	

Executive Engineer (Development)

Contractor

SCHEDULE-B

BILL OF QUANTITIES

CONSTRUCTION OF TOILET FOR GUARD/OPERATOR AND ELECTRICAL WORK FOR PUMPING MOTORS AT PUMPING STATION AT K.B. FEEDER & ELECTRICAL WORK AT STORAGE RESERVOIRS AT MEHRAN UNIVERSITY EMPLOYEES HOUSING SOCIETY, @ MUET JAMSHORO.

S.#	ITEM	QTY	RATE	UNIT	AMOUNT
PART-I, CIVIL WORK (SCHEDULE ITEMS):					
1	Jungle Clearance and removing within 100 ft. b) Thick Jungle (Highway Works (Finished Items) (39-Miscellaneous S.I # 1-b, P # 14)	900.00	139.15	%Sft	1,252.35
2	Excavation in rock, dressed to designed section, grades and profiles, excavated material disposed-off within 100 ft. lift upto 5 ft. (b) Medium hard rock requiring occasional blasting. (S.I.#6-b, P # 02, Chapter # 01)	2,300.00	10,133.00	%0Cft.	23,305.90
3	Supply of clean screened (River or pit) sand within 5 chains including removal of Top crust of earth or over burden and royalty to the Government or cost to the Private Owner. (S.I.#36, P # 06, Chapter # 01)	3,364.00	420.00	%0Cft.	3,363.58
4	Dry rammed brick or stone ballast 1 1/2" to 2" gauge. (S.I.#2, P # 15, Chapter # 04)	266.00	3,327.50	%Cft.	8,851.15
5	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing at stone aggregate without shuttering. (i) Ratio. 1:4:8 (S.I.#. 5-i, P # 17, Chapter # 04).	467.46	11,288.75	%Cft	52,770.39
6	Pacca brick work in ground floor in cement sand mortar ratio 1:6 (S I # 5(1-E), P # 21, Chapter # 05)	371.63	12,674.36	% Cft	47,101.72
7	Reinforced cement concrete work including all labour and material except the cost of steel reinforcement and its labour for bending and binding which will be paid separately. This rate also includes all kinds of forms moulds: lifting shuttering curing rendering and finishing the exposed surface (including screening and washing of shingle). (a) 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. (S I # 6(a-i), P-17, Chapter # 04)	360.00	337.00	P.Cft.	121,320.00
8	Providing and laying 1" thick topping cement concrete (1:2:4) including Surface finishing and dividing into panels: (d.) 3" thick (S I # 16-d, P-42, Chapter # 08).	140.00	4,411.82	% Sft.	6,176.55
9	Cement plaster 1:6 upto 12' height. (b) 1/2" thick. (S.I.No. 13-a, Page No. 52, Chapter # 09).	722.00	2,206.60	%Sft.	15,931.65
10	Cement plaster 1:6 upto 12' height. (a) 3/8" thick. (S.I.No. 13-a, P# 52, Chapter # 09).	722.00	2,122.72	%Sft.	15,326.04
11	Preparing the surface and painting with enamel paint on masonry walls. 2nd & subsequent coat. (S.I.No. 30-a-b, P#73, Chapter # 11).	680.00	1,449.14	%Sft.	9,854.15
12	Making & fixing steel grated doors complete with locking arrangement angle iron frame 2" x 2" 3/8" and 3/4" sq: bars 4" centre to centre. (S.I No. 31, P #93, Chapter # 17)	42.00	231.60	P-Sft	9,727.20

13	Stone Pitching hand packed with surface levelled off to the Correct Section with hammer dressed Stone and voids filled in 1:8 Cement mortar in floors of bridges and along hands and in aprons etc. including three chains lead.. (S.I No. 24, P-32, Chapter # 06)	1,800.00	7,708.47	%Cft.	138,752.46
Sub-Total =					453,733.15
Premium Above/ Below on Schedule Items					
Total =					
PART-II, CIVIL WORK, SCHEDULE ITEMS, (STEEL):					
1	(a) 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.) (b) Using Tor bars. (S.I No. 8-b, P-17)	19.75	5,001.70	P.Cwt.	98,783.58
Sub-Total =					98,783.58
Premium Above/ Below on Schedule Items					
Total =					
PART-III PLUMBING WORK (SCHEDULE ITEMS).					
1	Providing and Fixing 6"x2" or 6"x3" C.I floor trap of the approved salt cleaning design with a C.I screwed down grating with or without a vent arm complete with a i/c making requisite number of holes in walls, plinth & floor for pipe connections & making good cement concrete. (S.I #. 20 P-6)	4	2,024.43	Each	8,097.72
2	Add extra for labour concealed G.I pipe & fitting including making recess in the wall for pipe & making good in cement mortar etc complete. (S.I #. 1 P-12)				
i)	1/2" dia	20	7.82	P-Rft	156.40
ii)	3/4" dia	20	8.45	P-Rft	169.00
3	Providing and Fixing handle valves (China) (S.I #. 5 P-17)				
i)	3/4" dia	4	271.92	Each	1,087.68
ii)	1" dia	2	365.42	Each	730.84
4	Excavation for pipe line in trenches and pits in all kind of soil of murum i/c trimming and dressing side to true alignment and shape levelling of beds of trenches to correct level and grade, cutting joints holes and disposal of surplus earth within a one chain as directed by Engineer Incharge providing fence guards lights, flags and temporary crossing for non-vehicular traffic where ever required lift up to 5ft. (1.52m) and lead up to one chain (30.5m). (S.I #. 1 P-16)	400	3,600.00	%0Cft	1,440.00

5	Construction manhole or inspection chamber for the required dia of circular sewer of 3'-6" depth with walls of B.B. in cement mortar 1:3 and 1:3 cement plastered 1/2" thick inside of walls and 1" thick over benching and channels including fixing C.I. manhole cover with frame of clear opening 1-1/2" x 1-1/2" of 1.75 Cwt embedded in plain C.C. 1:2:4 and fixing 1" dia M.S. steps 6" wide projecting 4" from the face of wall at 1" C/C duly painted etc. complete as per specification and drawing No. D-P/1 of Public Health Circle, Southern Zone. (a) 4" to 12" dia 2'x2'x3'-6 (S.I.#. 1(a) P-46)	1	14,748.00	Each	14,748.00
6	Providing and fixing Long bib cock of superior quality with crystal head 1/2" dia. (S.I.# 13-b/P-19).	2	1384.24	Each	2,768.48
7	Providing and fixing concealed stop cock of superior quality with crystal head 1/2" dia.(S.I.# 12(b)/P-18).	1	889.46	Each	889.46
8	Supplying and fixing C.P. Muslim Shower with double bib cock of and ring pipe etc. with crystal head complete (S.I.No. 19(a)/P-19).	1	3432.00	Each	3,432.00
9	P/Fixing in position nylon connection complete with 1/2" dia brass stop-cock with pair of brass nuts & lining joints to nylon connection (S.I.NO: 23/P-6)	2	447.15	Each	894.30
Sub-Total =					34,413.88
Premium Above/ Below on Schedule Items					
Total =					
PART-IV PLUMBING WORK SCHEDULE ITEMS (RCC PIPE):					
1	Providing G.I Pipes, specials & clamps etc., including fixing cutting and fitting complete with and I/c the cost of breaking through walls and roof, making good etc., with white Zink pint with pigment to match the colour of the building and testing with water to a pressure head of 200 feet and handling. (S.I # 1 P-12)				
i)	1/2" dia	40	73.21	P-Rft	2,928.40
ii)	3/4" dia	40	95.79	P-Rft	3,831.60
iii)	1" dia G.I Pipe	40	128.55	P.Rft	5,142.00
Sub-Total =					11,902.00
Premium Above/ Below on Schedule Items					
Total =					
PART-V, PLUMBING WORK (NON SCHEDULE ITEMS)					
1	Providing & fixing a squatting type white glazed earthenware W.C. pan with including the cost of flushing Cistern with internal fittings and flush pipe with bends & making requisite number of holes in wall, plinth and floor for pipe connection and making good in cement concrete 1:2:4. a). With 4" dia white glazed earthen ware trap & plastic thumble (item no. 1A, chapter-1)	1.00		Each	

2	Providing and laying PVC pipe class 'B' with collar / solvent joints. Make: "DADEX", "POPULER" or EQ. i) Dia 150 mm (6 Inches).	50.00		P.Rft.	
Total =					
PART-VI ELECTRICAL WORK (SCHEDULE ITEMS)					
1	Wiring for light or fan point with 1.5 mm ² PVC insulated cable in 20 mm dia (3/4") PVC conduit recessed in wall or column as required. (SI # 124, Page # 15).	6.00	1,130.00	P-Point	6,780.00
2	Wiring for plug point with 1.5 mm ² , S/C, PVC insulated cable in 20 mm dia (3/4") PVC conduit recessed in the wall or column as required (SI # 126, Page # 15).	2.00	985.00	P-Point	1,970.00
4	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 2-7/.029 copper conductor in 3/4" dia PVC conduit recessed in the wall or column as required (SI # 10, Page # 2).	26.17	222.00	P-Mtr	5,809.30
5	Providing & fixing one way SP 5amp switch flush type on a given prepared board. (SI # 219, Page # 33).	10.00	54.00	Nos.	540.00
6	Providing & laying (MAIN or SUB MAIN) PVC insulated with size 3-7/.036 copper conductor in 3/4" dia PVC conduit recessed in the wall or column as required (SI # 25, Page # 4).	0.00	338.00	P-Mtr	0.00
7	Providing & fixing Brass Ceiling fan 56" (good quality) (SI # 235, Page # 34).	1.00	3,185.00	Nos.	3,185.00
8	Providing & fixing circuit breaker 6,10,15,20, 30,40,50 & 63amp SP (TB-5S) on prepared board as required (SI # 203, Page # 31).	0.00	916.00	Each	0.00
Sub-Total =					18,284.30
Premium Above/ Below on Schedule Items					
Total =					
PART VII ELECTRICAL WORK (NON SCHEDULE ITEMS)					
1	Providing/fixing LED 30W wall lights in rectangle shape of Philips made or equivalent.	4.00		Each	
2	Providing/Fixing 12" Exhaust Fan (good quality)	1.00		Each	
Total =					
PART-B: NON SCHEDULE ITEMS (DISTRIBUTION BOARDS)					
PART-I: KB FEEDER MAIN WATER SUPPLY ELECTRIFICATION WORK OF POWER PANEL & DELTA STAR PANEL FOR 06 NO MOTOR PROTECTION AT MUET, JAMSHORO.					
1	Providing installing Connecting & Commissioning of following Distribution Boards (DBs) fabricated of 16 SWG steel clad. Cubical design with hinged door cover wall (recessed) mounted Factory assembled, suitable for 3 phase, 4wire, 500 volts. 50 Hz A.C power Supply Complete with Copper cable lugs, glands, neutral link, earth block terminal block etc., & having following configurations. (All Equipment rated to 5 KA short circuit rating and 50 C ambient temperature at 415V), panel enclosure to comply with IP-50.				
	Delta Star or equivalent panel Box With Copper bus bar 6'x10'	1.00		P. Job	

2	Providing & fixing delta star or equivalent panel for Motor Protection 80hp-80hp-100hp(02No)-120hp(02No)				
i)	Magnetic Contractor 115/200Amp	18.00		Each	
ii)	Electronic coil 10 Acd	8.00		Each	
iii)	Module Case Circuit Breaker (MCCB,TP) 200Amp	8.00		Each	
iv)	Module Case Circuit Breaker (MCCB,TP) 400Amp	4.00		Each	
v)	Module Case Circuit Breaker (MCCB,TP) 630Amp-800amp	2.00		Each	
vi)	Motor Protection Relay	6.00		Each	
vii)	Timer Star Delta	6.00		Each	
viii)	Push Button	6.00		Each	
ix)	Emergency Stop Switch	1.00		Each	
x)	Volt Meter/ Amp Meter	16.00		Each	
xi)	Control SP Breaker	24.00		Each	
xii)	Bakelite Connection	18.00		Each	
xiii)	Wiring for power Panel and motor connection complete etc.	1.00		Each	
xiv)	Current Transformer (CT 5/250)	6.00		Each	
xv)	Led Panel Light	18.00		Each	
xvi)	EOCR	6.00		Each	
Total =					

PART-II: SOCIETY / COLONY WATER SUPPLY ELECTRIFICATION WORK OF POWER PANEL & DELTA STAR PANEL FOR 04 NO MOTOR PROTECTION AT MUET, JAMSHORO.

1	Providing installing Connecting & Commissioning of following Distribution Boards (DBs) fabricated of 16 SWG steel clad. Cubical design with hinged door cover wall (recessed) mounted Factory assembled, suitable for 3 phase, 4wire, 500 volts. 50 Hz A.C power Supply Complete with Copper cable lugs, glands, neutral link, earth block terminal block etc., & having following configurations. (All Equipment rated to 5 KA short circuit rating and 50 C ambient temperature at 415V), panel enclosure to comply with IP-50.				
	Delta Star panel Box With Copper bus bar 6'x8'	1.00		P. Job	
2	Providing & fixing delta star panel for Motor Protection. 80hp, 80hp, 80hp, 80hp				
i)	Magnetic Contractor 95 Amp	12.00		Each	
ii)	Electronic coil 10 AD Relay	6.00		Each	
iii)	Module Case Circuit Breaker (MCCB,TP) 150/200Amp	8.00		Each	
iv)	Module Case Circuit Breaker (MCCB,TP) 630Amp	2.00		Each	

v)	Motor Protection Relay	4.00		Each	
vi)	Timer Star Delta	4.00		Each	
vii)	Push Button	4.00		Each	
viii)	Emergency Stop Switch	1.00		Each	
ix)	Volt Meter/ Amp Meter	10.00		Each	
x)	Auto Manual Switch	1.00		Each	
xi)	Control SP Breaker	6.00		Each	
xii)	Bakelite Connection	6.00		Each	
xiii)	Led Panel light	18.00		Each	
xiv)	Auxiliary	4.00		Each	
xv)	Wiring for power Panel and motor connection complete etc.	1.00		Each	
xvi)	Current Transformer (CT 5/250)	4.00		Each	
xvii)	EOCR	4.00		Each	
Total =					

Executive Engineer (Development)

Contractor

(INTEGRITY PACT)**DECLARATION OF FEES, COMMISSION AND BROKERAGE ETC; PAYABLE BY CONTRACTORS.**

Contract No. _____ Dated _____

Contract Value: _____

Contract Title: **Construction of Toilet for Guard/Operator and Electrical Work for Pumping Motors at Pumping Station at K.B. Feeder & Electrical Work at Storage Reservoirs at Mehran University Employees Housing Society, @ MUET Jamshoro (Re-Invited).**

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 voidable 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.

.....
Executive Engineer (Dev.)

(Contractor)