

**LIAQUAT UNIVERSITY  
OF  
MEDICAL & HEALTH SCIENCES JAMSHORO**  
**ISO 9001:2008 CERTIFIED**



**FINANCIAL PROPOSAL**

**FOR**

**Construction of UF Plant Room for water Purification at LUMHS  
Jamshoro (02)**

**Document Issued to:\_\_\_\_\_**

**Doc # LUMHS/PD/ \_\_\_\_\_ Dated:\_\_\_\_\_**

**Office of the Project Director (Engineering Wing) LUMHS  
Jamshoro**



**OFFICE OF THE PROJECT DIRECTOR**  
**Liaquat University of Medical & Health Sciences, Jamshoro.**

**TENDER FOR THE WORK**

Issue to M/S \_\_\_\_\_ Tender fee for Rs. \_\_\_\_\_  
Received Vide \_\_\_\_\_ D.R.No. \_\_\_\_\_ Dated \_\_\_\_\_  
\_\_\_\_\_ Dated of opening of Tender \_\_\_\_\_

***Project Director***  
***(Engineering Wing)***  
***Liaquat University of Medical &***  
***Health Sciences, Jamshoro.***

I/We hereby Tender for the execution for the Liaquat University of Medical & Health Sciences, Jamshoro (Therein before and herein after referred to as LUM&HS of the work specified in the under written memorandum within the specified time in such memorandum at.

Percent ABOVE/BELOW the Estimate rated entered in the Schedule "B" Memorandum showing items of work to be carried out and in all respect with the specification designed and instructions writing referred to in Rule thereof and in Clause-12 of the annexed conditions of contract and agree that when each material, for the work are provided by the LUMHS the rate to be paid for them shall be provided in schedule of Rate.

- a). General Description:- Construction of UF Plant Room for water Purification at LUMHS Jamshoro (02).
- b). Estimated Cost:- Rs.1.00 Millions
- c). Earnest Money:- 5% Call Deposit Rs. 0.050
- d). Security Deposit including
- e). Earnest Money 10% Rs. 0.100
- f). Percentage if any to be Deducted:- 5% Rs. 0.050
- g). Time of Completion:- One (01) Months

Should be this tender be accepted I/We hereby agree to abide be the fulfill all the terms and Provisions of the conditions of contract annexed hereto so far as applicable and in default hereof to forfeit any pay the LUM&HS the sum of money mentioned in the said conditions.

Receipt No. \_\_\_\_\_ Dated \_\_\_\_\_ from the Government Treasury / Sub-Treasury / \_\_\_\_\_ in respect of the sum of the Rs. \_\_\_\_\_ is herewith forwarded representing the earnest money.

- (a) The full value of which is to be absolutely forfeited to LUM&HS deposited the full amount of Security Deposit specified in the above memorandum in accordance with Clause I (a) of the said conditions otherwise the sum of Rs. \_\_\_\_\_ shall be retained by the LUM&HS on account of such Security Deposit specified in Clause (b) of the conditions.

**N.B.** The Tenderer or is required to undertake that all terms and conditions of the printed B-I forms inclusive of the additional conditions etc. approved by the LUM&HS will be binding on him and these will be includes and signed by him in the even of acceptance of his tender.

**SIGNATURE OF CONTRACTOR**  
**BEFORE SUBMISSION OF THE**

***Project Director***  
***(Engineering Wing)***  
***Liaquat University of Medical &***  
***Health Sciences, Jamshoro.***



Doc # LUMHS/PD/-3174  
Issue Date: 04 /10/2018

**LIAQUAT UNIVERSITY**  
OF MEDICAL & HEALTH SCIENCES, JAMSHORO, SINDH – PAKISTAN

URL: [www.lumhs.edu.pk](http://www.lumhs.edu.pk)

Tele:# 92-22-9213331. Fax:# +92-22-9213332

PROJECT DIRECTOR (E.W)

E-mail: [pd@lumhs.edu.pk](mailto:pd@lumhs.edu.pk), [jawediqbalmemon@gmail.com](mailto:jawediqbalmemon@gmail.com)

**INVITATION FOR BIDS**

1. The Liaquat University of medical & health sciences Jamshoro Invites sealed bids from eligible bidders for the Following Works.

S/No	Name of work	Estimated Cost	Earnest Money	Tender Fee	Time for Completion
01)	M/R Work of offices for Teaching Faculty of Bilawal Medical College LUMHS Jamshoro	1.0 (M)	0.05 (M)	1000	01 months
02)	M/R Work of Pediatric Department and Additional Aluminum work for Seminar Halls Bilawal Medical College LUMHS Jamshoro	1.00 (M)	0.05 (M)	1000	01 months
03)	Construction of UF Plant Room for water Purification at LUMHS Jamshoro (01)	1.00 (M)	0.05 (M)	1000	01 months
04)	Construction of UF Plant Room for water Purification at LUMHS Jamshoro (02)	1.00 (M)	0.05 (M)	1000	01 months
05)	Construction of UF Plant Room for water Purification at LUMHS Hyderabad (03)	1.00 (M)	0.05 (M)	1000	01 months
06)	Construction of UF Plant Room for water Purification at LUMHS Hyderabad (04)	1.00 (M)	0.05 (M)	1000	01 months
07)	Maintenance & Repair of offices for faculty BMC LUMHS Jamshoro	0.90 (M)	0.045 (M)	1000	01 months

**Eligibility:** Valid Registration with tax authorities & Pakistan Engineering Council in relevant category and discipline (*Category C6, CE10;*) if applicable

- Documentary evidence of similar works executed /works in progress and certificate of satisfactory completion of works by the employers
- List of works in progress indicating cost of each work and copy of letter, awarding the work
- Certificate of Bank showing credit worthiness along with current Bank Statement along with annual turnover of last three years.
- Undertaking of Affidavit that the firm is not involved in any litigation of abandoned any work in the Department.
- Affidavit to the effect that the firm/supplier have not been black listed previously by any executing agency.

- (viii) Latest Income Certificate (NTN).
3. The firm/Contractor should be registered with Sindh Revenue Board.
4. **Method of Procurement.** *Single Stage Single Envelope*
5. **Bidding/Tender Documents:**
- (i) **Issuance:** Documents will be issued from 12<sup>th</sup> October 2018 to 29<sup>th</sup> October 2018.
- (ii) **Submission:** Last date will be 29-10-2018 up to 11:00 a.m.
- (iii) **Opening:** will be opened on 29-10-2018 at 11:30 a.m.
- (iv) **Place of issuance, submission, inquiries and opening will be:-**  
Office of the Project Director (E.W) LUMHS Jamshoro. :  
Telephone Number(s): 022-9213331  
Fax Number: 022-9213332 :  
E-mail Address (If available) : [pd@lumhs.edu.pk](mailto:pd@lumhs.edu.pk).
- (v) **Un-responded tenders** will be again issued/ submitted/ opened on following dates:-  
2<sup>nd</sup> Attempt : (a) Issue date. (b) Submission date: Opening date:  
1-11-2018 19-11-2018 up to 11:00 am 19-11-2018 up to 11:30 am

5. **Bid validity Period:** - (90) days.

6. **Terms & Conditions.**

The Contract documents and other terms & conditions can be seen and blank tenders obtained from the office of the undersigned on payment of cost of tenders for each work (Nonrefundable) through pay order in favour of Vice Chancellor LUMHS, Jamshoro on any working day from 17<sup>th</sup> August 2018. Tender documents will be uploaded on SPPRA/LUMHS website w.e.f 12<sup>th</sup> October 2018. The Bids will be opened on the date as mentioned above at 11:30 a.m. in the presence of bidders or their authorized representative who wish to attend.

Earnest money in the shape of bank draft/pay order in the name of Vice Chancellor LUMHS, Jamshoro must be attached with the bid documents.

The procurement agency reserves the right to accept or reject any or all technically & financial bids as per SPPRA rules.

D.A./ AS ABOVE

PROJECT DIRECTOR (E.W)  
LUMHS, Jamshoro

**C.C. for information to:**

- The Vice Chancellor LUMHS, Jamshoro.
- The Registrar, LUMHS, Jamshoro.
- The Director Finance, LUMHS, Jamshoro.
- Sindh Public Procurement Regulatory Authority ,Barrack 8 Secretariat 4A Court Road Karachi Tel: 92-21-99205369 for hoisting on SPPRA's website.
- The Director I.T for hosting on LUMHS website.
- Notice Board.

## **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 of Procuring Agency: **Liaquat University of Medical & Health Sciences, Jamshoro**

(b). Brief Description of Works : Construction of UF Plant Room for water Purification at LUMHS Jamshoro (02)

(c). Procuring Agency's address:- **Office of the Project Director (Engineering Wing)  
LUMHS Jamshoro  
Telephone No.022-9213331 Fax # 0229213332  
Email pd@lumhs.edu.pk**

(d). Estimated Cost:- **1.0 Million**

(e). Amount of Bid Security:- **50000/=(5 % age of bid amount /estimated cost,  
but not exceeding 5%)**

(f). Period of Bid Validity (days):- **90 Days**

(g). Security Deposit:- (including bid security):- **10% (5 % age of bid amount /estimated & 5 % security deposit ,cost equal to 10%)**

(h). Percentage, if any, to be deducted from bills :- **5% Security Deposit**

(i). Deadline for Submission of Bids along with time :- **Time: 11:00 a.m. on 29-10-2018**

(j). Venue, Time, and Date of Bid Opening:- **Venue: Office of the Project Director  
(Engineering Wing) LUMHS  
Jamshoro  
Telephone No.022-9213331 Fax #  
0229213332 Email  
pd@lumhs.edu.pk  
Time: 11:30 am Date: 29-10-2018**

**(k). Time for Completion from written order of commence: - 1 One Months)**

**(L).Liquidity damages:-** (0.05 of Estimated Cost or Bid cost per day of delay, but total not exceeding 10%).

**(m). Deposit Receipt No: Date: Amount:**(in words and figures)

(Executive Engineer/Authority issuing bidding document)

## **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 prorated 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 contact work.
- (E) In case of quantities of work executed result the Initial Contract Price to be xceeded 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.
- (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-incharge 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 incharge) 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**

## SCHEDULE-B (SPECIFIC WORKS DATA)

**Construction of UF Plant Room for water Purification at LUMHS Jamshoro (02)**

### PART A FOUNDATIONS (SCHEDULED ITEMS) CIVIL WORKS

BOQ's Item #	CSR-2012 Item/Page	Description	Unit	Quantity	CSR Rate (RS.)	Amount (RS.)
1	Item#6 Page# 2	Excavation in rock, dressed to designed section, grades and profiles, excavated material disposed off within 100 ft. lift up to 5ft.	%o Cft	337.50	10133.00	3419.89
		(b) medium hard rock requiring occasional blasting				
2	Item#5 Page#17	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing of stone aggregate without shuttering). (Specs. 20.1) a) Ratio 1:4:8	% Cft	134.50	11288.75	15183.37
3	Item#4 Page#24	Pucca Brick Work in foundation and plinth in: (Specs. 21.1-21.4). (Specs. 21.1-21.4)				
		Cement sand mortar (1:6).	% Cft	456.33	11948.36	54523.95
4	Item#21 Page#5	Filling Watering and ramming earth in floors with surplus earth from foundation lead upto one chain and lift upto 5 feet. (Specs. 17.1 to 17.5)	%o Cft	225.00	1512.50	340.31
5	Item#22 Page#5	Filling Watering and ramming earth in floors with new earth excavated from outside lead upto one chain and lift upto 5 feet. (Plus lead up to 6 mile) (Specs. 17.1 to 17.5)	%o Cft	531.43	10772.90	5725.07
6	Item#28 Page#19	Damp proof course with (cement sand and shingle concrete 1:2:4) including 2 coats of asphalt mixture 3"thick	%Sft	116.39	4982.18	579.88
7	Item#5 Page#17	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing of stone aggregate without shuttering). (Specs. 20.1) a) Ratio 1:4:8 for floor	% Cft	106.29	11288.75	11998.43
		<b><u>Total Cost (Civil Work Scheduled Items)</u></b>				<b>91771</b>
					<b>Above/Below</b>	
					<b>Total Cost</b>	

## SCHEDULE-B (SPECIFIC WORKS DATA)

### Construction of UF Plant Room for water Purification at LUMHS Jamshoro (02)

#### PART B (SCHEDULED ITEMS) CIVIL WORKS

BOQ's Item #	CSR-2012 Item/Page	Description	Unit	Quantity	CSR Rate (RS.)	Amount (RS.)
1	Item#5 Page#22	Pacca brick work in ground floor in: (Specs. 21.1)				
	(i)	Cement sand mortar (1:6).	% Cft	490.88	12674.36	62215.26
2	Item#6 Page#17	Reinforced Cement concrete work including all labour and material except the cost of 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 (i/c 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.				
	Item#6a(i) Page# 18	i) Ratio (1:2:4) 90 Lbs. Cement 2 Cft. Sand 4 Cft. Shingle 1/8" to 1/4" gauge.				
(a)		Ground floor	Per Cft	385.38	337.00	129871.38
3	Item#7a Page#19	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 including removal of rust from bars).				
	Item#7b Page#19	b) Using Tor bars (Grade -60)				
	(A)	Ground Floor	Per Cwt	14.63	5001.70	73161.29
5	Item#29 Page#99	Providing and fixing G.I frames /Choukhats of size 7" x 2" or 4 1/2" x 3" for windows 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 i/c all carriage, tools and plants used in making and fixing.	P.Rft	36.00	240.50	8658.00
6	Item#13 Page#57	Cement plasters 1:6 upto 20' height. (Specs.25.1-25.6) b) 1/2" thick	% Sft	1913.50	2206.60	42223.29
7	Item#11 Page#57	Cement plasters 1:4 upto 20' height. (Specs.25.1-25.6) a) 3/8" thick	% Sft	1913.50	2197.52	42049.55

8	Item#5 Page#17	Cement concrete plain including placing compacting, finishing and curing, complete (including screening and washing of stone aggregate without shuttering). (Specs. 20.1) a) Ratio 1:2:4	% Cft	70.00	14429.25	10100.48
9	Item#60 Page#65	Providing and fixing with sunk iron screws wooden Architrave approved design/ shape having width not less than 2- 1/2 inches as directed by Engineer Incharge.	Per Rft.	72.00	49.97	3597.84
10	Item#24 Page#59	Distempering @ three coats	%Sft	180.00	1079.65	1943.37
11	Item#36 Page#60	Preparing the surface and painting with matt finish I/c rubbing the surface with Bathy (silicon carbide rubbing brick) filling the voids with zink /chalk / plaster of Paris mixture, applying first coat premix, making the surface smooth and then painting 3 coats with matt finish of approved make etc complete (New Surface).	%Sft	630.18	3444.38	21706
12		Providing and fixing iron steel grill using solid square bars of size 1/2" x 1/2" placed at 4" I/c and frame of flat iron patti of 3/4" x 3/4" I/c circle shape at 1-0 apart equivalent fitted with screws are pins I/c painting 3 coats with 1st coat of red	Psft	40.50	194.16	7863
13	Item No 54 Page No 64	First class deodar wood wrought framed and fixed in place including chowkats holdfasts, tower bolts, chocks cleats, handles, cord with hooks and cost of nails and screws etc. panelled or panelled and glazed or fully glazed 1-1/2" thick. (Deducted the chowkat rate 1131.11-370.83=760.28 )	Psft	40.50	760.28	30791.34
14	Chapter11 Item 7(a)	Painting new surfaces painting of doors and windows any type including edges three coast	% Sft	81.00	2116.62	1714
15	Item#16(d) Page#47	Providing and laying 2" thick topping cement concrete (1:2:4) including surface finishing and dividing in to panels. (The rate includes the rate of patties separators in joints and extra labour Cost above G.F). (Specs. 24.9).	%Sft	513.50	3275.50	16819.69
		<b>Sub-TOTAL (Civil Work Scheduled Items)</b>				<b>452715</b>
		<b>Below/ above</b>				
		<b>Total Cost (Part B Scheduled Items)</b>				

**Part C Non Schedule Items**

1		Provide Fixing Granite Tiles 16"x16" x 3/8 " thick / Porcelain Tiles of superior quality master or equivalent Prepolished laid over 1:2 cement sand mortar 3/4" thick including finishing and filling the joints with pigment etc complete as directed by Engineer Incharge . (Floor & Skirting /Dado)	PSft	392.00		
2		Supplying & fixing in position steel door of approved design and shape with 18 gauge GI Sheet including hold fasts and locking arrangement etc complete the rate also includes painting 3 coats	P.Sft	48.00		
3		Supplying & fixing in position Manhole Cover of steel sheet with locking arrangement and fixing in roof etc complete	P.Sft	2.00		
4		Providing and fixing color Crete to wall surface to provide durable crust and aesthetics having thickness up to 3/4" with specified color having water fire and termite resistance upto 20ft height.	P.Sft	1080		
		<b>Sub-TOTAL (Civil Work Non Scheduled Items)</b>				

## SCHEDULE-B (SPECIFIC WORKS DATA)

### Construction of UF Plant Room for water Purification at LUMHS Jamshoro (02)

Part "D" NON - SCHEDULE ITEMS (W/S & S/F)						
S.No.	Ref No	Description of Item	Unit	Qty	Rate	Amount
1		Providing & fixing Floor Trap (Dadex Nikassi Made) 6" x 3" or 6" x 2" of approved quality i/c stainless steel floor jalee and the cost of cutting of floor etc complete in all respect as directed by Engineer Incharge	Each	1.00		
2		Providing & fixing UPVC Pipe (PPR Pipe ) including fittings etc complete				
A		½" Dia	P.Rft	50.00		
B		¾" Dia	P.Rft	50.00		
C		1" Dia	P.Rft	200.00		
3		Providing & fixing Handle valves of approved quality etc complete in all respect as directed by Engineer Incharge				
A		½" Dia	Each	4.00		
B		¾" Dia	Each	4.00		
C		1" Dia	Each	4.00		
4		Providing & fixing unplasticized polyvinyl chloride (UPVC) of approved quality (Dadex Nikassi make) i/c the cost of cutting / breaking walls, floor or where required etc complete in all respect as per directions of Engineer Incharge 4" Dia	P.Rft	50.00		
<b>Total Cost</b>						

## SCHEDULE-B (SPECIFIC WORKS DATA)

**Construction of UF Plant Room for water Purification at LUMHS Jamshoro (02)**

### Part E Schedule Items Electrical Works

BOQ's Item #	Ref No	Description	Unit	Quantity	Unit Rate (Rs.)	Amount (Rs.)
1	Item# 124 SH-II	Wiring for light or fan point with 1/1.13(3/.029(PVC) insulated wire in 25mm(3/4")PVC conduit recessed in the wall or column as	Per Point	10.00	1130.00	11300
2	Item# 10 SH-I	Providing and laying (Main or sub main )PVC insulated with size 2-7/.29 copper conductor in 3/4"dia PVC conduit recessed in the wall as required.	Per Mtr.	30	222.00	6660
3	Item# 12 SH-I	Providing and laying (Main or sub main )PVC insulated and pvc sheeted with 4 core armoured copper conductor 600/1000 volts size 16 mm	Per Mtr.	30	1679.00	50370
4	Item# 235 SH-XI	P/Fixing of A/C ceiling fan 56" sweep including fixing on and necessary connection (Pak & Royal)	Each	1	3185.00	3185.00
5	Item# 232 SH-XI	Providing & Fixing Brass Batten holder.	Each	5.00	70.00	350
6	Item# 228 SH-XI	Providing & fixing Bakelite ceiling rose with two terminals.	Each	5.00	72.00	360
					Total	72225
				Above	Below	
					Total	

## SCHEDULE-B (SPECIFIC WORKS DATA)

**Construction of UF Plant Room for water Purification at LUMHS Jamshoro (02)**

### **Part F Non Schedule Items Electric Work**

BOQ's Item #	Ref No	Description	Unit	Quantity	Unit Rate (Rs.)	Amount (Rs.)
		<b>(A) <u>INTERNAL ELECTRIFICATION</u></b>				
1		<p>Providing and fixing Distribution board 16 SWG MS sheet with appropriate size angle iron frame (Clipsal ) the Panel has suitable sheet steel cover with buitent lock arrangement The panel shall be applied with Red Oxide base paint first and the finally finished in enamel spray phase 4 wire 50 cycle A/C system comprising the following</p> <p><b><u>Income</u></b> 1 No. 200 Amp Tp</p> <p><b><u>Out going</u></b> 5 No. 20 Amp S.P Breaker 1 No. 30 Amp S.P Breaker Pilot light (3 No.) All circuit breaker &amp; T.Ps Hager Terasaki Japan</p>	Each	1.00		
2		Providing and Fixing Dimmer for ceiling fan of approved quality and make	Each	1		
3		Providing and fixing mild steel bar fan clamp 15.8mm(5/8") dia suitable for R.C.C. roof	Each	1.00		
4		S/F fibber sheet fancy type with switches & sockets, having provision 4 to 8 holes i/c PVC board complete. Approved by Engineer Incharge.	Each	2.00		
5		Providing and fixing flush type 3 pin 15 / 20 Amps universal plug-socket, switch and shoe unit on metal board recessed in the walls	Each	4.00		

6		S/F Power Plug 3 pins 30Amp. Switch and socket with pociling base fixed on board necessary in wall superior quality. Approved by Engineer Incharge.	Each	1.00		
7		P/F LED Light Philips make or equivalent superior quality including fixing on existing holder etc. complete.	Each	5.00		
					Total	

**SCHEDULE A (SCHEDULE OF PRICES)**

**CONSTRUCTION OF UF PLANT ROOM FOR WATER PURIFICATION AT  
LUMHS JAMSHORO (02)**

<b>Sr. #</b>	<b>DESCRIPTION</b>	<b>COST (RS.)</b>
1	<b>Total Tender Cost of Civil Works Ground Floor</b>	
	a) Scheduled Items Foundation	=
	b) Scheduled Items Ground Floor	=
	c) Non Scheduled Items Ground Floor	=
2	<b>Total Tender Cost of Public Health Works</b>	
	(Plumbing/Sanitation, Water Supply, Sewerage etc.) G.F & F.F.	
	d) Non-Scheduled Items	=
3	<b>Total Tender Cost of Electric Works</b>	
	e) Scheduled Items	=
	f) Non-Scheduled Items	=
	<b>NET TOTAL</b>	

**Rupees:** - \_\_\_\_\_  
\_\_\_\_\_

Signature Contractor/Firm

Project Director  
Liaquat University of Medical &  
Health Sciences Jamshoro.