NO.LUMHS/PSS/- 2580 DATED: /3/3/2018



## LIAQUAT UNIVERSITY

OF MEDICAL & HEALTH SCIENCES
JAMSHORO, SINDH
Telephone: + 9213350, Exch.771240, Ext. + 122
Email: storesectionlumhs@yahoo.com,
Web Site: www.lumhs.edu.pk

#### Say No to Corruption

To,

Mr. Khalid Hussain Chachar, Managing Director, Sindh Public Procurement Regulatory Authority Barrack No.8, Sindh Secretariat No.4-A, Court Road, Karachi, Pakistan 021-99205369

SUBJECT:

#### NIT & BIDDING DOCUMENTS FOR DISPLAY ON YOUR WEBSITE.

Please find herewith the NIT and Bidding Documents regarding tender for purchase, supply & installation of RO / UF Plants for Liaquat University Hospital, Jamshoro & Hyderabad for display on your authority website as per Sindh Public Procurement Regulatory Authority rule.

#### Following documents are attached herewith

- 1. Notification of Procurement Committee.
- 2. Notification of Complain Redressal Committee (Rule-31)
- 3. Annual Procurement Plan for the FY 2017 -2018.
- 4. Original Demand Draft. No.024/4/18, Dated:1412-2017 amounting to Rs. 2,000/- (Rupees Two Thousand Only) in favor of SPPRA as Website Hoisting Charges.

Chairman, Central Purchase Committee LUMHS, Jamshoro.

SPPRA INWARD DIARY NO: 7/7-2 DATED: 19-03-2018



#### LIAQUAT UNIVERSITY

DOC#LUMHS/ESTT/(E-I)-2977/ ISSUE DATED: 26-01-1018/DAKISTAN

OF MEDICAL & HEALTH SCIENCES JAMSHORO, SINDH - PAKISTAN URL: www.lumbs.edu.pk

Telephone # 92-22-9213305, Fax: # 92-22-9213306 E-mall: registrar@iumhs.edu.pk, registrarlumhs@vahoo.com

"SAY NO TO CORRUPTION"

#### ORDER

In supersession of this University Order No.LUMHS/ESTT/(E-I)/-7878/87, dated 08-03-2017, the Vice Chancellor has been pleased to re-constitute a Complaint Redressal Committee, consisting of following officers to address the complaints of bidders emerging during the procurement process in accordance with Rule-31 of Sindh Public Procurement Rules 2010 as amended 2013 (copy enclosed) with immediate effect till further orders.

- Prof. Feroze Ali Kalhoro
   Dean, Faculty of Dentistry
   LUMHS Jamshoro
- Mr. Muneer Ahmed Shaikh Additional District Accounts Officer, Jamshoro
- Mr. Abdul Ghafoor Kandhir, Deputy Director Procurement, Project Directorate of Mehran University of Engineering & Technology Jamshoro

DE TAN ALI BHATTI)

REGISTRAR
LIAQUAT UNIVERSITY OF MEDICAL &
HEALTH SCHOOLS JAMSHORO.

#### C.C to the:-

1. Accountant General Sindh, Karachi.

2. Registrar, Mehran University of Engineering & Technology, Jamshoro.

 Assistant Director (Assessment), Sindh Public Procurement Regulatory Authority, Government of Sindh, Barrack No.8, Sindh Secretaria: No.4-A, Court Road, Karachi.

4. Chairman, Central Purchase Committee.

- 5. Incharge Purchase & Store Section.
- 6. Director Finance
- 7. All concerned
- 8. Resident Auditor

#### Copy for information to the: -

1. P.S. to Vice-Chancellor



#### LIAQUAT UNIVERSITY

DOC# LUMHS/ESTT/E-IV-ISSUE DATED: 29-01-18/36

OF MEDICAL & HEALTH SCIENCES JAMSHORO, SINDH - PAKISTAN

- Telephone # 92-22-9213305, Fax: # 92-22-9213306 E-mall: registrar@lumhs.edu.pk, registrarlumhs@yehoo.com

"SAY NO TO CORRUPTION"

#### ORDER

In supersession of this University Order No.LUMHS/REG/-28280/89, dated 22-09-2015, the Vice-Chancellor has been pleased to re-constitute Central Purchase Committee of the University, comprising following members, with immediate effect, till further orders.

Prof. Ikram Din Ujjan
 Dean, Faculty of Basic Medical Sciences

Chairman

 Mr. Asif Ali Abbasi Deputy Director Finance Member

Mr. Asif Pervaiz Khero
 External Member from University of Sindh

Member

(Co-opted members will be incorporated from the concerned department/project for which the purchase is made and in case of sophisticated stuff any technical expert from outside organization would be taken for technical assistance)

DR. AOSF ALIBHATTI

LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCES, JAMSHORO.

#### C.C to the:-

- Pro-Vice Chancellor (Admin).
- 2. All concerned
- 3. Director Finance.
- 4. Project Director (E/W)
- 5. Incharge, Purchase & Store Section
- Resident Auditor.

#### Copy for information to the: -

1. P.S. to Vice-Chancellor



Purchase & Store Section

OF MEDICAL & HEALTH SCIENCES JAMSHORO, SINDH

Telephone: + 9213350, Exch.9213313, Ext. + 122

"Say no to Corruption"

#### ANNUAL PROCUREMENT PLAN

Procurement, Maintenance / Repair Planning for Year 2017-2018 As per Rule 11 of Sindh Public Procurement Rules 2010 (Amended 2013)

| S.No. | Description of Procurement, Maintenance / Repair and renovation work   | Quantity              | Estimated<br>unit cost<br>(Where<br>applicable)<br>Pak Rs | Rs in Million | Funds<br>Allocated<br>Rs in Million | Sources of<br>Funds (ADP /<br>NON ADP) | Proposed<br>Procurement<br>Method                                | Timing of<br>Procurement |
|-------|--|-----------------------|---|---------------|-------------------------------------|--|--|--------------------------|
| 01.   | Ophthalmology Equipment, I.T Equipment,<br>Medicines & Consumables Items for OPD & O.T<br>& at Newly Established institute of<br>Ophthalmology, LUMHS, Jamshoro.   | As per<br>requirement | More than<br>1 Million                                    |               |                                     | HEC Funding                            | Through tender<br>in Newspapers,<br>SPPRA &<br>LUMHS<br>Website  | Whenever demanded        |
| 02.   | EMG NCS Machine for Establishment of<br>Neuro Physiology Laboratory at LUMHS,<br>Jamshoro.   | As per<br>requirement | More than<br>1 Million                                    |               |                                     | HEC Funding                            | Through tender<br>in Newspapers,<br>SPPRA &<br>LUMHS<br>Website. | Tender in Process.       |
| 03.   | Purchase & Supply of Printing Material for Examination Department, LUMHS, Jamshoro   | As per<br>requirement | More than<br>1 Million                                    |               |                                     | HEC Funding                            | Through tender<br>in Newspapers,<br>SPPRA &<br>LUMHS<br>Website. | Whenever demanaled       |
| 04.   | Purchase & supply of Office Appliances, Furniture, Lab. Equipment, Computers, Split Air Conditioners, UPS, Photocopier Machine & Multimedia Projector for Establishment of Pediatric Physical Therapy Centre at Out Patient Department at Institute of Physiotherapy & Rehabilitation Sciences, LUMHS, Jamshoro.                 | As per<br>requirement | More than<br>I Million                                    |               |                                     | HEC Funding                            | Through tender<br>in Newspapers,<br>SPPRA &<br>LUMHS<br>Website. | Tender in Process.       |
| 05.   | Purchase & Supply of Split Air Conditioners, Computers,<br>Bracket Fans, Water Dispenser, Scanners, Fax Machines,<br>Photocopier Machines, Telephone Sets, Intercom,<br>Extensions, Multimedia Projectors, Refrigerators & Furniture<br>& Medical Books for Various Department at Bilawal Medical<br>College at LUMHS, Jamshoro. | As per<br>requirement | More than<br>1 Million                                    |               |                                     | HEC Funding                            | Through tender<br>in Newspapers.<br>SPPRA &<br>LUMHS<br>Website. | Tender in process.       |

| 06. | Designing, Printing & Supply of Eight Thousand (8,000) Prospectus along with Receipts Slips in triplicate with carbon paper for Admission in 1st Year MBBS/BDS, Doctor of Physiotherapy and Doctor of Pharmacy Programmes, Academic Session 2017-2018, LUMHS, Jamishoro. | As per<br>requirement | More than<br>  Million |  | HEC Funding | Through tender<br>in Newspapers,<br>SPPRA &<br>LUMHS<br>Website. | Tender in process.    |
|-----|--|-----------------------|------------------------|--|-------------|--|-----------------------|
| 07. | Printing, purchase & surply of Items for<br>Convocation 2017-2018  | As per<br>requirement | More than<br>I million |  | HEC Funding | Through tender<br>in Newspapers,<br>SPPRA &<br>LUMHS<br>Website. | When ever<br>demanded |
| 08  | Purchase of Medical Books & Journals for<br>various Departments / Central Library & Lending<br>Library at LUMHS, Jamshoro.   | As per<br>requirement | More than<br>I million |  | HEC Funding | Through tender<br>in Newspapers,<br>SPPRA &<br>LUMHS<br>Website. | Tender in Process     |
| 0.0 | LT Equipment and other Items   | As per requirement    | More than<br>I million |  | HEC Funding | Through tender<br>in Newspapers,<br>SPPRA &<br>LUMHS<br>Website. | When ever             |
| 10. | As per demand of various Departments for<br>Procurement / Repair during current Financial<br>Year 2017-2018.   | As per<br>requirement | Less than one lac      |  | HEC Funding | On Quotations<br>from local<br>market                            | As per requirement    |

Prof. Dr. Munawar Alam Ansari, Director Academics / Chairman,

Central Purchase Committee.

Prof. Muneer Ahared Junejo,

Pro-Vice Chancellor, LUMHS, Jamshoro.

High Talpur, Finance,

Central Purchase Committee

Mr. Asif Pervaiz Khero,

External Member from University of Sindh

Prof. Normad Ahmed Shaikh,

Vice Chancellor LUMHS, Jamshoro.



Purchase & Store Section

## Liaquat University

Of Medical & Health Sciences, Jamshoro. Website: www.lumhs.edu.pk Email: storesectionlumhs@yahoo.com Phone No. 022-9213350

| Phone No. 022-9 | 213350             |                        |
|-----------------|--------------------|------------------------|
| Exch: 022-9213  | 308, Ext. 122      |                        |
| Issued to: P.O. | No                 |                        |
|                 | Dated:             |                        |
|                 | Rs. 3,000/= (Rupee | s Three Thousand only) |

#### Tender for Purchase & Supply & Installation of RO/UF plants for Liaquat University Hospital Jamshoro & Hyderabad

## Terms & Conditions/instructions to Bidders

- a. Tenders are invited under sealed cover from authorized Firms/Dealers registered with GST, Income Tax for Purchase & Supply & Installation of RO/UF plants for Liaquat university Hospital Jamshoro & Hyderabad. Data sheet containing information about the assignment is given on page No 3,
- Prescribed tender proforma along with terms & conditions which can be downloaded from SPPRA website i.e. www.pprasindh.gov.pk / LUMHS website i.e. www.lumhs.edu.pk on payment of Rs. 3,000/= (Rupees Three Thousand Only), for in the shape of Pay Order / D.D (Non-refundable) in favor of Vice-Chancellor, Liaquat University of Medical & Health Sciences, Jamshoro (Separate for each category) attached with technical tender Proposal form within Due Date along with following

documents.

- 1. Latest Income Tax Certificate (NTN).
- 2. Valid GST Registration Certificate, with last GST return.
- 3. Detailed Portfolio of Company.
- 4. Certified copy of Authorized Dealership Certificate.
- Last 3 Years audit report.
- c. Payment will be made on availability of funds, if delayed due to any reason no extra interest / markup will be accepted / paid.
- d. Tender can be downloaded / purchased from Purchase & Store Section, LUMHS, Jamshoro from Wednesday 15th March 2018 during Office hours.
- e. The Tender should be dropped in the tender box on Monday 2nd April 2018 before 11:30 am Proposals of the bids shall be opened publicly on same day in the presence of bidders or their nominated representative, who wish to attend at 11:30 am,

- f. Method of Procurement used:
- g. The bidding shall be on single stage two envelope procedure, 1<sup>st</sup> envelope should contain Technical Proposals DD/Pay order Rs. 3,000/= (Rupees Three Thousand only), in favor of Vice Chancellor LUMHS (Non Refundable) & be clearly marked as technical proposals.
- h. Second envelope should contain Financial Proposals (rates) each Category in Pak rupees/C&F basis along with the Bid Money/Earnest 5% of quoted rates in the shape of pay order/demand draft in favor of Vice Chancellor LUMHS (refundable to un-successful bidders) the envelope be clearly marked as financial proposals.
- Both envelopes should be sealed separately and placed in the third envelope. The name of the bidder be clearly marked on all envelopes.
- j. The firms should provide Catalogues, Broachers/ samples required papers of the required Equipment/ Items with Technical Tender Bid and also give the details of technical staff; workshop and previous experience (certificate of at least 3 years experience).
- The supplier will have to produce evidence in respect of their registration with income Tax, Sales Tax Department.
- 1. Income tax / GST deductible as per Government Rules applicable.
- m. The currency in which tender price is to be assessed and computed is Pak Rupees.
- Government notified black listed firms / suppliers shall not be entertained. All terms and conditions
  of bids will be accepted by representative of firm.
- o. The Central Purchase Committee may cancel / delete any item as per SPPRA Rules. Tender who do not fulfill the terms and conditions will not be entertained. The procuring agency may reject all or any bid subject to the relevant provisions of SPPRA Rules.

Abide my self of the terms and Condition

Name of Firms & Signature

With Stamp

Prof. Ikram Din Ujjan,

Chairman Central Purchase Committee, LUMHS, Jamshoro.

Doc# LUMHS/PSS/- 2562 ISSUE DATE: 12-03-2018



LIAQUAT UNIVERSITY
OF MEDICAL & HEALTH SCIENCES

JAMSHORO, SINDH
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Web Site: www.lumhs.edu.pk

"Say No to Corruption"

#### Purchase & Store Section,

#### **Notice Inviting Tender**

As per orders of Honourable Chairman, Water Commission Tender invited under sealed cover from authorized Dealers / Distributors registered with GST & Income Tax for purchase, supply & installation of RO / UF Plants for Liaquat University Hospital, Jamshoro & Hyderabad.

| S.NO | Description  | Method of<br>Procurement                         | Purchasing / Issuing of tender documents Day, Date & Time | Last Purchasing day/ date & Time of tender documents. | Submission of<br>tender bid day,<br>date & time | Opening day,<br>date and time<br>of tender | Tender fee<br>(Non-<br>Refundable) |
|------|--|--|---|---|---|--|------------------------------------|
| 1.   | Purchase,<br>Supply &<br>Installation of<br>RO / UF Plants | Single stage two<br>envelop Bidding<br>procedure | Thursday,<br>15-03-2018,<br>9:00AM to<br>3:00PM           | Friday,<br>30-03-2018<br>9:00AM to<br>3:00PM          | Monday,<br>02-04-2018<br>11:00 AM.              | Monday,<br>02-04-2018<br>11:30 am,         | Rs. 3,000/=                        |

#### Note:

Details are mentioned in the tender documents. Prescribed tender proforma along with Terms & Conditions which can be downloaded from SPPRA website i.e. <a href="www.pprasindh.gov.pk">www.pprasindh.gov.pk</a> / LUMHS website i.e. <a href="www.lumhs.edu.pk">www.lumhs.edu.pk</a> on payment of Rs. 3,000/= (Rupees Three Thousand only) in favour of Vice-Chancellor, Liaquat University of Medical & Health Sciences, Jamshoro attached with technical tender proposal within Due Date along with following documents.

- 01. Latest Income Tax Certificate (NTN).
- 02. Valid GST Registration Certificate.
- 03. Detailed Portfolio of Company.
- 04. Certified copy of Authorized Dealership Certificate.
- The bidding shall be on single stage two envelope procedure, 1<sup>st</sup> envelope should contain Technical Proposals DD/Pay order Rs. 3,000/= (Rupees Three Thousand only) & be clearly marked as technical proposals.
- Second envelope should contain Financial Proposals (rates) in Pak Rupees, along with the Earnest / Bid Money
   5% of quoted rates in the shape of pay order/demand draft (refundable to un-successful bidders) in favour of Vice Chancellor, LUMHS, the envelope be clearly marked as financial proposals.
- Both envelopes should be sealed separately and placed in the third envelope. The name of the bidder be clearly
  marked on all envelopes.
- Tender can be downloaded from SPPRA / LUMHS Website or purchased from Purchase & Store Section, LUMHS, Jamshoro from Thursday, 15-03-2018 to Friday, 30-03-2018 during Office hours.
  - Tender should be dropped in the tender box on Monday, 02-04-2018 before 11:00 am and Proposals of the bids shall be opened publicly on same day in the presence of bidders or their nominated representative, who wish to attend at 11:30 AM.
  - After the evaluation & approval of the technical proposals by the technical committee on the basis of the
    documents drawings, feature of the equipment / machines samples of described items in the catalogue and
    instrumentations, the LUMHS shall at a time within the bid validity of minimum of 90 days publicly, open the
    financial proposals of the technically accepted bids only, on the date and time communicated later by this
    university to the technically approved bidders. The financial proposals of bids found technically non-acceptable
    shall be returned without opening Financial Proposals to the respective bidders.
  - The Central Purchase Committee may cancel / delete any item as per SPPRA Rules. Tender who do not fulfill the
    terms and conditions will not be entertained. The procuring agency may reject all or any bid subject to the relevant
    provisions of SPPRA Rules.
  - · Government notified black listed firms / suppliers shall not be entertained.
  - In case the tender is not opened on the scheduled date due to unscheduled holiday then the same shall be submitted & opened on next working day, the other terms and conditions of the tender shall however remain unchanged.

Chairman, Central Purchase Committee, LUMHS, Jamshoro.



**Public Relations Section** 

Liaquat U Jamshoro Phone No: 92-2



In Medical & Health Sciences, Akistan.

Dated: 14/3/201

The Daily

LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCES JAMSHORO, SINDH-PAKISTAN

022) 921 3350, 921 3313 (Ext 122) Fax: (022) 921-3306 all; storesectioniumhs@yahoo.com Web; www.humhs.edu.pk Tel: (022) 921 3350, 921 3313 (Ext 122)

No. LUMHS/PSS/-2562

عرت مآب جھي فان واؤكميشن كا حكامات كے مطابق ليافت يو غور في بهيتال، جامشور د ادر حيدا باد كل RO / UF PLANTS كى خيدانك قرايى ادر تعيد ك ك GST اورا كالمكل رورة و با التقيارة الرواة مرى يوفرة سيمر ميروا التين مطاوب إل.

#### DESCRIPTION

#### PUNCHASE, SUPPLY & INSTALLATION OF ROAUF PLANTS

Method of Procurement: Single Singe-Two Envelopes Bidding Pro Tender Fee (Non-Refundable): Rs. 3.000/-

TENDER DOCUMENTS LAST DATE/TIME FOR LAST DATE/TIME FOR PURCHASING FROM TENDER PURCHASING TENDER SUBMISSION FRI 30.03.2018 09:00 am - 03:00 pm up to 03:00 pm up to 11:00 am
TENDER OPENING: MONDAY, 02:04:2018 at 11:30 am

. تصيلات مُنظِر وارم شدرة إي-

الدر الميذر قام معدشرا قلا و قواليا SPPRA كى ويب سائف www.lumhs.edu.pk كانتياك LUMHS/www.pprasinch.gov.pk دُارُن لُورُ كِيامِ الكَالَةِ الدراس كَل قيت مل 3,000 (3 بزاريدية) المعودة يدار dolDD(عاتلي دائين) ينام دائن وإشلره المافت يو ينور في آف ميذ على اينا المانير ماستر وماهور و مينزري تفيي تهاويز ك

- 、 といろらけられるとことのはないない 1. عالية المي الماكين (NTN) 立見が対けGSTが、2

4. بالاختيارة الرشي كامريكايث 3. كانكاتكايسال

پيڪلئين سنتي النظي والفافرار سي طريق يون ك يهل لفاق في منتي تواور ساخ 3,000 درب TECHNICAL (とはいはないのはしいかしょしのはくよいり3) -MIND SOPROPOSAL

か((か)とうでは(FINANCIAL PROPOSAL)はいないしてはいしては المنظش كى تى تىت كى 15% كى مسادى رقم كرور دون كى بىرا روز دويك درانت ( ناكام برلى د دعكان كو آال والين كانام وأن وإسلر، UMHS ما مناورد اونا جايد اوراس افاقية يروافع طوري FINANCIAL PROPOSAL

دونوں لفاقوں کو فلی و فلید و مرسی مرکز کے اٹیس ایک تیرے لقائے شی رکھا جائے اور تمام لقاقوں پر بولی ووعده كانام والعطور والعاموا ور

مُثِدُر وَارِم LUMKS والمشرور كري يكن على ورك القاعد على جعرات 15 الرق 2018 جور 30 مارئ 2018 (مسكار 03:00 ك ك ) فريار ما كايل -

پائٹلٹیں پیر 2012 میں 2018 کی 1:50 ہے کے شنیڈریکس جی ڈال دی جا کیں۔ شیزر کی تعییلی مٹیاویز اس مرقع برموجود رہنے ۔ کے خواہشند بولی وجندگان یا ان کے محاز 

كينيكل كمنى كى جاب ب ومتاويزات ، أرائكو ، ا كاويكند د مشيزى ك فيون مولول ، كيالاك شي درع تصر بحاث اورانسور فضل مح تنصيل جائز ساور جا في مع "ال محماله LUMHS اليحت موثر ريخ كا مدت ( عمر الأم 90 روز ) كما الدر التيكي طور بركامياب قراريات والسايولي وجثر كان بال تجاويز كور لي جس كي تارخ أوروات كي إمري يلى الشكل طور يكاميات قراديات والديد فالديد الانتقال كالما كالاكردياجات كالمستشكى طورية كام دوسة والى ويشكشون كيماني تواويز بغير كور المتعلقه بولى ويهندگان كودايس كردي جا يحي كي-منزل بریز مختی SPPRA کرفرانس کے مطابق کی بھی اسلم کومٹرنٹ Deletal کرسکتی ہے۔ آوائدو صوابل يورا أترف والمفينة رير فور الله كالياع كالريو كورك الجبى SPPRA كرفرا أياك بليادي كى كالمام يتكثون كوستر وكري ي

حَوْمَت كَيْ عِالْبِ مِن الْمِيكِ السف كَيْ عِالْمَ اللهُ وَ السِلارُورَ فِي الشَّكْتُولِ رِقُورُتُون كِيا مائةً اللهُ

نینڈر کھلنے والے دان کسی فیز حو تھ چھٹی ہوئے بر ٹینڈ رکام کے اسکلے روز ای شیرول کے مطابق وصول کے اور تھولے جا کی کے دیکر شرائ وضوابط ش کوئی عد می تای ہوگی۔

Eliminate Corruption

Chairman

Hyderabad / Karachi



## Public Relations Section

Liaquat University of Medical & Health Sciences,

Jamsho Phone No:



istan.

Dated: 14/3/2018

The Daily

# LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCES JAMSHORO, SINDH-PAKISTAN

Tel: (022) 921 3350, 921 3313 (Ext 122) Fax: (022) 921-3306 Email: storesectionlumns@yahdo.com Web: www.lumns.edu.pk

No. LUMHS/PSS/-2562

March 12, 2018

عزت مآب چيئرمين واٿر ڪميشن جي حڪمن جي مطابق لياقت يونيررسٽي اسپتال ڄامشورو ۽ حيدرآباد جي لاء RO/UF PLANTS جي خريداري، فراهمي ۽ تتصيب جي لاءُ GBT ۽ اٽڪر ٽيڪس رجسٽرڊ بااحتيار ديلرز لامٽري بيرٽرز کان مهريند آجون گيزبل آهن.

## \* DESCRIPTION

#### PURCHASE, SUPPLY & INSTALLATION OF ROOF PLANTS

Method of Procurement: Single Stage-Tyro Envelopes Bildding Procedure
Jender Fee (Non-Refundable): Rs. 3,000/-

TENDER DOCUMENTS LAST DATE/TIME FOR LAST DATE/TIME FOR PURCHASING FROM TENDER RUBCHASING VENDER SUBMISSION THU 15.03.2018 FRI 30.03.2018 MON 02.04.2018 09:00 am - 03:00 pm up to 13:00 am - TENDER OPENING: MONDAY, 02.04.2018 at 11:30 am

نوت تقصيل تيندر فارم ۾ درج آهن

مجوزة تسنير فارم ساف شرط ۽ ضدك SPPRA جي ويب سائيت LUMHS/www.pprasindh.gov.pk جي ويب سائيت www.lumbs.du.pk ٿان وائون لوڊ ڪري سگهجي ٿو ۽ آن جي تيمت مبلغ 3,000 (3 هزاو رينا) وائيس چانسان لوات پرنيورسٽي آف صيبيڪل اينڊ سلگ سائنسن، ڄامشورو جي نالي بي آرڊ DD (ناقابل واپسي) جي صورت ۾ ٿيندر جي تيڪيڪل توريزن سان گڏ شامل ڪري هيٽ جاتابل دستاريزن سان گڏ حتمي تاريخ تائين جمع ڪرايا.وجن.

1. تازر الكر تيكن سرتية كيت (ATN) 3 كاوگر GST وحسريشن سرتية كيت

3 كابني جو تفصيلي پرونائيل ١٠ بالختيار ديارشې جو سرٽيفكيٽ

آچون سنگل استيج ٻن لفاقن جي طريقي تي هونديون. پهرين لفاقي ۾ ٽيڪنڪل تجريزون ۽ مبلغ 3,000 رپين (3 هزار رپيا) جو پي آرڊ/DD (ناقابل واپسي) هجڻ گهرجي ۽ لفاقي تي TECHNICAL PROPOSAL واضح تعرين لکيل عجن گهرجي.

پین آنانی هر پاکستانی ریین هر (PINANCIAL PROPOSAL) مالی تجویزون (ریشس) ۽ آج ڪيل قيمت جي 70 جي برابر رقبر جي سوتي رقبر جو پي آروربينڪ ڊرافٽ (ناڪلم آج ڏيندڙن کي قابل واپسي) نالئي وائيس چانسان EINANCIAL جامشررو فجڻ گهرجي ۽ ان القافي تي FROFOSAL راضح تموني لکيل هجڻ گهرجي.

ٻنهي لفاض کي الڳ الڳ مهربند ڪري انهن کي هڪ تئين لفاض ۾ رکيو اُويند ۽ مڙني لفاض تي آڇ ڏيندڙ جر نالو راضح لکيل هجڻ گهرجي. ٽينڊر فارم LUMHs، ڄامشورو جي پرچيز سيڪشن مان پڙ دفتري رقت ۾ خميس 15 مارچ 2018 جمعو 30 مارچ 2018 (منجهند 03:00 وڳي ٽائين) خريد ڪري سگهجن ٿا

آچرن سوسر 10 اپریل 2018 تی صبح 11:00، بی تاثین ٹینیر باکس بر داخل کیون ویندیوں ٹینیر جن ٹیکنے کل تجویزوں می صوفعی تی موجود رمن بی خراهشدند آج ڈینڈرن یا سندن مجاز انساناتان جی صوحودگی بر صبح 11:30 دائی کولیون ویندیون

صبام ۱۱۵۵ رئی دولیوں ویسیوں اسکار انگزر ایکوپیت مشیدری جی ایکوپیت مشیدری جی فیچوری ندون، کیٹالاگ پر دوج صراحتراج انسٹرمیستس جی تفصیلی جائزی ۽ جاج پرتال کانپرو LUMHS اجرن کارائٹیوں رفح جی مدی (گیٹ پر گفت ۵۰ ڈینیو) جی اندر لیکنیکل طور کامیاب قرار ڈنل آج ڈیندلون جون دائی تجریزوں کا لیمائی جنیں جی تاریخ ج وقت جی باری پر تبکیک طور کامیاب قرار ڈنل آج ڈیندلون کی آگام کیو ویندو تبکیک طور کامیاب قرار ڈنل آج ڈیندلون کی آگام کیو ویندو تبکیک طور قبل ڈیندلون بھی تاریخ جون بھی کولل جی تبکیک کور ایکٹیک کور دیادر جی دائی تجریزوں بھیر کولل جی لاگانیا آج ڈیندلون کی دائی کور دیادرن

سيندار پرچير ڪائيٽي ، ١٣٤٥ جي دائون جي مطابق ڪندن په اليدار کي منسر / ١٩٤٥ ڪري سکھي ٿي قامدا ۽ سابطن تي پوڙو لهنداز ٽيدار تي غرزاد ڪيو رينون پروڪيرونگ انڍ سر SPPA جي قانون جي بنداد تي لڪنهن پرهڪ يا مواني آڇن کي ود ڪري دنگهي ٿي.

ڪريت پاران پليڪ لسٽ ڏيل اردز سياد ٿيرڙ جي آچن ٿي عور نہ ڪيو. دان

تينبر كولن واري ڏينهن ڪنهن غير متوقع موڪل ٿيڻ تي ٿينڊر گر جي (ڳتين ڏينهن ساڳي شيڊيول جي معابق وضول ڪيا ۽ كوليا ويندا. ٻين شرط ۽ ضابطن ۾ ڪابر تينيار تر تيندي

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#### LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCES JAMSHORO, SINDH-PAKISTAN

Tel: (022) 921 3350, 921 3313 (Ext 122) Fax: (022) 921-3306 Email: storesectionlumns@yahoo.com Web: www.lumbs.edu.pk

## NOTICE INVITING TENDERS

As per orders of Honourable Chairman, Water Commission, Tenders are invited under Sealed Cover from authorized Dealers / Distributors registered with GST & Income Tax for Purchase, Supply & Installation of RO / UF PLANTS for Liaquet University Hospital, Jamshoro & Hyderabad.

#### DESCRIPTION

#### PURCHASE, SUPPLY & INSTALLATION OF ROJUF PLANTS

Method of Procurement: Single Stage-Two Envelopes Bidding Procedura Tender Fee (Non-Refundable): Rs. 3,000/-

TENDER DOCUMENTS LAST DATE/TIME FOR LAST DATE/TIME FOR PURCHASING FROM TENDER PURCHASING TENDER SUBMISSION THU 15.03.2018 FRI 30.03.2018 MON 02.04.2018 up to 63:00 pm 09:00 am - 03:00 pm up to 11:00 am TENDER OPENING: MONDAY, 02.04.2018 at 11:30 am

(Note: Details are mentioned in the Tender Documents)

Prescribed Tender Proforms along with Terms & Conditions can be downloaded from SPPRA Website i.e. www.pprasindh.gov.pk / LUMHS Website i.e. www.lumhs.edu.pk on Payment of Rs. 3,000/= (Rupees Three Thousand only), in the shape of Pay Order / D.D. (Non-refundable) in favour of Vice-Chancellor, Liquiet University of Medical & Health Sciences, Jamshoro to be attached with Technical Tender Form and to be submitted within Due Date along with following Documents. Date along with following Documents

- 1. Latest Income Tax Certificate (NTN)
- 2. Valid GST Registration Certificate
- Detailed Portfolio of Company
   Certified Copy of Authorized Dealership Certificate

The Bidding shall be on Single Stage Two Envelopes procedure. First Envelope should contain Technical Proposal and DD/Pay Order Rs. 3,000/= (Rupees Three Thousand) (Non Fiefundable) & be clearly marked as TECHNICAL PROPOSAL.

Second Envelope should contain Financial Proposal (Rates) in Pak Rupees, along with the Earnest / Bid Money @ 5% of Quoted Rates ir. the shape of Pay Order/Demand Draft (refundable to Unsuccessful Bidders) in favour of Vice Chancellor, LUMHS, and the Envelope be clearly marked as FINANCIAL PROPOSAL.

Both the Envelopes should be sealed separately and placed in the Third Envelope. The Name of the Bidder be clearly marked on all the Envelopes.

Tender Documents can be downloaded from SPPRA/LUMHS Websites or purchased from Purchase & Store Section, LUMHS, Janshoro from Thursday, 15.03.2018 during Office Hours to Friday, 30.03.2018 (up to 03:00 pm).

Tenders should be dropped in the Tender Box on Monday, 02nd APRIL 2018 before 11:00 am while the Technical Proposals of the Bids shall be opened publicly on Same Day in the presence of Bidders or their nominated Representative, who wish to attend at 11:30 am.

After the evaluation & approval of the Technical Proposals by the Technical Committee on the basis of the Documents Drawings, Feature of the Equipment / Machines, Samples of described items in the Catalogue and Instrumentations, the LUMHS shall at a time within the Bid Validity of minimum of 90 Days publicly, open the Financial Proposals of the Technically accepted Bids only, on the Date and Time to be communicated later by this University to the Technically approved Bidders. The Financial Proposals of Bids found technically non-acceptable shall be naturned without opening Financial Proposals to the respective Bidders.

The Central Purchase Committee may cancel / delete any item as per SPPRA Rules. Tender's which do not fulfil the Terms and Constitions, will not be entertained. The Procuring Agency may reject all or any Bid subject to the relevant provisions of SEPRA Rules.

Government redified Black Listed Firms / Suppliers shall not pe entertained

In case the Tenders are not opened on the Scheduled Date due to Unscheduled Holiday then the same shall be submitted a opened on Next Working Day. The other Terms and Conditions of the Tender shall however remain unchanged.

Eliminate Corruption Live with Honour

Central Purchase Committee

### Companys' Basic Evaluation Criteria

Contractor / (s) / Firm /(s) / Distributor / (s) / Supplier / (s) must obtained minimum 70% points in below mentioned eligibility criteria to qualify for Financial Bid Opening without declaration of black listing by relevant council(enclose valid / renewal registration certificate).

| Description  | Total Marks | Company Name   |
|--|-------------|----------------|
|  |             | Obtained Marks |
| NTN Certificate  | 5           |                |
| General Sales Tax Registration Certificate (GST)   | 5           |                |
| Company Profile containing Introduction date of establishment, experience (National / International Level) details of supplies to various Institutions / International Level including number of supplied equipments | 5           |                |
| Professional Experience of Technical Staff as per required / relevant education regarding installation / repairing / service of equipments   | 5           |                |
| Current Financial Position (Bank statements & Audit Reports)   | 10          |                |
| Availability of Service Centre / (s) Provincial and National Level   | 5           |                |
| Certificate of Authorized Equipment Manufactures / Distributors / Suppliers  | 10          |                |
| Sub Total Marks  | 45          |                |
|  |             |                |
| Equipment Technical Evaluation Criteria  |             |                |
| (Item wise)  |             |                |
| Conformance to the Specification   | 25          |                |
| Similar nature works Experience  | 30          |                |
| Sample Evaluation  | 0           |                |
| Sub Total<br>Marks   | 55          |                |
| Grand Total Marks  | 100         |                |
|  |             | •              |

Note: The minimum 70 marks are required to qualify for financial opening.



## LIAQUAT UNIVERSITY OF MEDICAL & HEALTHS SCIENCES JAMSHORO

## BIDDING DOCUMENTS FOR

Tender for Purchase & Supply & Installation of RO/UF plants for Liaquat University Hospital Jamshoro & Hyderabad

#### PARTONE(FIXED)

- Instructions to Bidders (ITB)
- General Conditions of Contract (GCC)

## Terms and conditions for

Tender for Purchase & Supply & Installation of RO/UF plants for Liaquat University Hospital Jamshoro & Hyderabad

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Part One - Section I.
Instructions to Bidders

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#### Instructions to Bidders

#### A. Introduction

#### 1. Source of Funds

- 1.1 The Procuring agency has received /applied for loan/grant/federal/provincial/local government funds from the source(s) indicated in the bidding data in various currencies towards the cost of the project/schemes specified in the bidding data and it is intended that part of the proceeds of this loan/grant/funds/will be applied to eligible payments under the contract for which these bidding documents are issued.
- 1.2 Payment by the Fund will be made only at the request of the Procuring agency and upon approval by the Government of Sindh and incase of a project will be subject in all respect to the terms and conditions of the agreement. The Project Agreement prohibits a with drawl from the allocated fund account forth purpose of any payment to person so entities, or for any import of goods, if such payment or import, to the knowledge of the Federal Government/ Sindh Government, is prohibited by a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations. No party other than the Procuring agency shall derive any rights from the Project Agreement or have any claim to the allocated fund proceeds.

#### 2. Eligible Bidders

- 2.1 This Invitation for Bids is open to all suppliers from eligible source as defined in the SPP Rules, 2010 and its Bidding Documents except as provided hereinafter.
- 2.2 The bidder must posses valid authorization from foreign principal / manufacturer and in case of manufacturation they should have a documentary proof to the effect that they are the original manufacture of the required goods.
- 2.3 Bidders should not be associated, or have been associated in the past, directly or indirectly, with a firm or any of its affiliates which have been engage by the Procuring agency to provide consulting services for the preparation of the design, specifications, and other documents to be used for the procurement of the goods to be purchase due under this Invitation for Bids.
- 2.4 Government-owned enterprises in the Province of Sindh may participate only if they are legally and financially autonomous, if they operate under commercial law, and if they are not a dependent agency of the Government of Sindh.
- 2.5 Bidders shall not be eligible to bid if they are under a declaration of ineligibility for corrupt and fraudulent practices issued by any government organization in accordance with sub clause of 35 (1) of SPPRA Rules 2010.
- 2.6 Bidder should have minimum ten (10) years experience in supply in Pakistan.
- 2.7 Bidder must have trained person including application to perform including application to perform experiment at sides for minimum five (05) years.
- 2.8 Any offer not received as per terms and conditions of the bidding documents is liable to be ignored. No offer shall be considered if:-
  - 1. Received from earnest money from any firm.
  - 2. It is received after the time and date fixed for its, receipt.
  - 3. The tender is unsigned.
  - 4. the offer is ambiguous
  - 5. the offer is conditional.
  - the offer is from a firm blacklisted, suspended or removed from the approved list.
  - 7. The offer is received by telegram/Fax.
  - 8. Offer received with shorter validity than required in the tender enquiry.
  - 9. The offer is for store not conforming to specification indicated in the tender enquiry No counter offer will be accepted.

#### 3. Eligible Goods and Services

- 3.1 All goods and related services to be supplied under the contract Shall have their origin in eligible source countries, defined in the SPP Rules, 2010 and its Bidding Documents, and all expenditures made under the contract will be limited to such goods and services.
- 3.2 For the purpose of this clause (a) the term "Good" includes any goods that are the subject of this limitation for bids and (b) the term services includes related services such as transportation insurance, after sale services spare parts availability etc.
- In case of imported good. Manufacturer and product should be ISO Certified.

## 4. Cost of Bidding

4.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Procuring agency named in the Bid Data Sheet, here in after referred to as "the Procuring agency," will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

#### B. The Bidding Documents

The Bidder must quote all none basis for each package specification.

#### 5. Content of Bidding Documents

- 5.1 The bidding documents include:
  - (a) Instructions to Bidders (ITB)
  - (b) Bid Data Sheet
  - (c) General Conditions of Contract (GCC)
  - (d) Special Conditions of Contract (SCC)
  - (e) Schedule of Requirements
  - (f) Technical Specifications
  - (g) Bid Form and Price Schedules
  - (h) Bid Security Form
  - (i) Contract Form
  - (j) Performance Security Form
  - (k) Manufacturer's Authorization Form
  - (1) Detail of Technical Staff.
  - (m) Financial standings/obligation/GST/Income Tax
- 5.2 The Bidder is expected to examine all instructions, forms, terms, and specifications in the bidding documents. Failure to furnish all information required by the bidding documents or to submit a bid not substantially responsive to the bidding documents in every respect will be at the Bidder's risk and may result in the

rejection of its bid.

## Bidding **Documents**

6. Clarification of 6.1 A Prospective Bidder requiring any clarification of the bidding documents may notify the Procuring agency in writing. The Procuring agency will respond in writing to any request for clarification of the bidding documents which it receives no later than ten (10) working days prior to the dead line for the submission prescribed in the Invitation to Bids. Written copies of the Procuring agency's response (including an explanation of the query but without identifying the source of inquiry) will be sent to all interested bidders that have received the bidding documents.

#### 7. Amendment of Bidding Documents

- 7.1 At any time prior to the dead line for submission of bids, the Procuring agency, for any reason, whether at its own or in response to a clarification requested by a interested Bidder, may modify the bidding documents by amendment.
- 7.2 All Prospective bidders that have received the bidding documents shall be notified of the amendment in writing, and will be binding on them.
- In order to allow Prospective bidders reasonable time in which to take the amendment into account in preparing their bids, the Procuring agency, at its discretion, may extend the deadline for the submission of bids. Amendment notice to that effect shall be communicated in the same manner as the original invitation to bid.

#### C. Preparation of Bids

#### 8. Language of Bid

8.1 The bid prepared by the Bidder, as well as all correspondence and documents relating to the bid exchanged by the Bidder and the Procuring agency shall be written in English. Supporting documents and printed literature furnished by the Bidder may be in another language provided they are accompanied by an accurate translation of the relevant passages in english, in which case, for purposes of interpretation of the Bid, the translation shall govern.

#### 9. Documents Comprising the Bid

- The bid prepared by the Bidder shall comprise the following components:
  - (a) A B id Form and a Price Schedule completed in accordance with ITB Clauses 10, 11, and 12;
  - (b) Documentary evidence established in accordance with ITB

Clause 13 that the Bidder is eligible to bid and is qualified to perform the contract if its bid is accepted;

- (c) documentary evidence established in accordance with ITB Clause 14 that the goods and ancillary services to be supplied by the Bidder are eligible goods and services and conform to the bidding documents; and
- (d) bid security furnished in accordance with ITB Clause 15.

#### 10. Bid Form

10.1 The Bidder shall complete the Bid Form and the appropriate Price Schedule furnished in the bidding documents, indicating the goods to be supplied, a brief description of the goods, their country of origin, quantity, and prices.

#### 11. Bid Prices

- 11.1 The Bidder shall indicate on the appropriate Price Schedule the unit prices (where applicable) and total bid price of the goods it proposes to supply under the contract.
- 11.2 Form for price schedule is to be filled in very carefully and should be typed. Any alteration / correction must be initiated. Every page is to be signed and stamped at the bottom. Serial number/bid number of the quoted item should be highlighted.
- 11.3 The bidder should quote the prices of goods according to the technical specification. The specification of goods different from the demand of enquiry, shall straightway be rejected.
- 11.4 The bidder is required to offer competitive price. All prices must include relevant taxes and duties where applicable. If there is no mention of taxes, the offered / quoted price shall be considered as inclusive of all prevailing taxes/duties. The benefit of exemption from or reduction in the GST or other taxes shall be passed on to the procuring agency.
- 11.5 Prices offered should be for the entire quantity demanded, partial quantity offers shall straight way be rejected. Conditional offer shall also be considered as non-responsive bidder.
- 11.6 while tendering your quotation, the present trend / inflation in the rate of goods and services in the market should be kept in mind. No request in price due to market fluctuation in the cost of goods and services shall be entered after the bid has been submitted.

#### 12. Bid Currencies

- 12.1 Prices shall be quoted in Pak Rupees in case of free delivery basis (DDP) delivered duty paid.
- 12.2 State bank of Pakistan foreign currency selling rate will be considered from the date of opening of financial bid (import cases)

#### 13. Documents Establishing Bidder's

13.1 Pursue an to ITB Clause9, the Bidder shall furnish, as par to fits bid, documents establishing the Bidder's eligibility to bid and its qualifications to perform the contract if its bid is accepted.

#### Eligibility and Qualification

- 13.2 The documentary evidence of the Bidder's eligibility to bid shall establish to the Procuring agency's satisfaction that the Bidder, at the time of submission of its bid, is from an eligible country as defined under ITB Clause 2.
  - 13.3 The documentary evidence of the Bidder's qualifications to Perform the contract if its bid is accepted shall establish to the Procuring agency's satisfaction:
- (a) That, in the case of a Bidder offer into supply goods under the contract which the Bidder did not manufacture or otherwise produce, the Bidder has been duly authorized by the goods' Manufacturer or producer to supply the goods in the Procuring agency's country;
- (b) That the Bidder has the financial, technical, and production capability necessary to perform the contract;
- (c) That, in the case of a Bidder not doing business with in the Procuring agency's country, the Bidder is or will be (if awarded the contract) represented by an Agent in that country equipped, and able to carry out the Supplier's maintenance, repair, and spare parts-stocking obligations prescribed in the Conditions of Contract and/or Technical Specifications; and
- (d) That the Bidder meets the qualification criteria listed in the Bid Data Sheet.
- (e) The procuring agency shall disqualify a bidder if it finds at any time that the bid submitted by, him concerning his qualification as supplier was false and materially inaccurate or incomplete.
- 14. Documents
  Establishing
  Goods'
  Eligibility and
  Conformity to
  Bidding
  Documents
- 14.1 Pursuant to ITB Clause9,the Bidder shall furnish, as part of its bid, documents establishing the eligibility and conformity to the bidding documents of all goods and services which the Bidder proposes to supply under the contract.
- 14.2. The documentary evidence of the eligibility of the goods and services shall consist of a statement in the Price Schedule of the country of origin of the goods and services offered which shall be confirmed by a certificate of origin issued at the time of shipment.
- 14.3 The documentary evidence of conformity of the goods and services to the bidding documents may be in the form of literature, drawings, and data, and shall consist of:
  - (a) A detailed description of the essential technical and

performance characteristics of the goods;

- (b) A ist giving full particulars, including available sources and current prices of spare parts, special tools, etc., necessary for the proper and continuing functioning of the goods for a period to be specified in the Bid Data Sheet, following commencement of the use of the goods by the Procuring agency; and
- (c) An item-by-item commentary on the Procuring agency's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications, or a statement of deviations and exceptions to the provisions of the Technical Specifications.
- 14.4 For purposes of the commentary to be furnished pursuant to ITB Clause14.3(c) above, the Bidder shall not that standards for work man ship, material, and equipment, as well as references to brand names or catalogue numbers designated by the Procuring agency in its Technical Specifications, are intended to be descriptive only and not restrictive. The Bidder may substitute alternative standards, brand names, and/or catalogue numbers in its bid, provided that it demonstrates to the Procuring agency's satisfaction that the substitutions ensure substantial equivalence to those designated in the Technical Specifications.

#### 15. Bid Security

- 15.1 Pursuant to ITB Clause 9,the Bidder shall furnish, as part of its bid, a bid security in the amount specified in the Bid Data Sheet.
- 15.2 The bid security is required to protect the Procuring agency against the risk of Bidder's conduct which would warrant the security's forfeiture, pursuant to ITB Clause 15.7. The Bid security 5% of quoted rates in the shape of Pay order / demand draft (refundable to un-successful bidders) in the name of Vice Chancellor, LUMHS, Jamshoro.
- 15.3 The bid security shall be in Pak. Rupees and shall be in one of the following forms:
  - (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the Procuring agency's country, in the form provided in the bidding document so ran other form acceptable to the Procuring agency and valid for thirty (30) days beyond the validity of the bid; or
  - (b) irrevocable en-cashable on-demand Bank call-deposit.
  - 15.4 Any bid not secure din accordance with ITB Clauses15.1and 15.3 will be rejected by the Procuring agency as non responsive, pursuant to ITB Clause 24.

- 15.5 Un successful bidders' bid security will be discharged or returned as promptly as possible but not later than thirty(30) days after the expiration of the period of bid validity prescribed by the Procuring agency pursuant to ITB Clause 16.
- 15.6 The successful Bidder's bid security will be discharged up on the Bidder signing the contract, pursuant to ITB Clause32,and furnishing the performance security,pursuanttoITBClause33.
- 15.7 The bid security may be forfeited:
  - if a Bidder withdraws its bid during the period of bid validity specified by the Bidder on the Bid Form; or
  - (b) in the case of a successful Bidder, if the Bidder fails:
    - (i) to sign the contract in accordance with ITB Clause 32;

or

- (ii) to furnish performance security in accordance with ITBClause33.
- 16. Period of Validity of Bids
- 16.1 Bid shall remain valid for the period specified in the Bid Data Sheet after the date of bid opening prescribed by the Procuring agency, pursuant to ITB Clause 19.A bid valid for a shorter period shall be rejected by the Procuring Agency as non responsive
- 16.2 In exceptional circumstances, the Procuring agency may so licit the Bidder's consent to an extension of the period of validity. The request and the responses thereto shall be made in writing. The bid security provided under ITB Clause15shallalsobe suitably extended. A Bidder may refuse the request without forfeiting its bid security. A Bidder granting the request will not be required nor permitted to modify its bid, except as provided in the bidding document.
- 17. Format and Signing of Bid
- 17.1 The Bidder shall prepare an original and the number of copies of the bid indicated in the Bid Data Sheet, clearly marking each "ORIGINAL BID" and "COPY OF BID," as appropriate. In the event of any discrepancy between them, the original shall govern.
- 17.2 The original and the copy or copies of the bid shall be typed or written in indelible ink and shall be signed by the Bidder or a

person or persons duly authorized to bind the Bidder to the contract. All pages of the bid, except forum-amended printed literature, shall be initialed by the person or persons signing the bid.

- 17.3 Any interlineations, erasures, or over writing shall be valid only if they are initialed by the person or persons signing the bid.
- 17.4 The Bidder shall furnish information as described in the Form of Bid on commissions or gratuities, if any, paid or to be paid to agents relating to this Bid, and to contract execution if the Bidder is awarded the contract.

#### D. Submission of Bids

#### 18. Sealing and Marking of Bids

- 18.1 The Bidder shall seal the original and each copy of the biding separate envelopes, duly marking the envelopes as "ORIGINAL" and "COPY." The envelopes shall then be sealed in an outer envelope.
- 18.2 The inner and outer envelopes shall:
  - (a) be addressed to the Procuring agency at the address given in the Bid Data Sheet; and
  - (b) bear the Project name indicated in the Bid Data Sheet, the Invitation for Bids (IFB) title and number indicated in the Bid Data Sheet, and a statement: "DONOTOPEN BEFORE," to be completed with the time and the date specified in the Bid Data Sheet, pursuant to ITB Clause 2.2.
- 18.3 The inner envelopes shall also indicate the name and address of the Bidder to enable the bid to be returned unopened in case it is declared "late".
- 18.4 If the outer envelope is not sealed and marked as required by ITB Clause18.2, the Procuring agency will assume no responsibility for the bid's misplacement or premature opening.

#### 19. Deadline for Submission of Bids

- 19.1 Bids must be received by the Procuring agency at the address specified under ITB Clause 18.2 no later than the time and date specified in the Bid Data Sheet.
- 19.2 The Procuring agency may, at its discretion, extend this deadline for the submission of bids by amending the bidding documents in accordance with ITB Clause 7, in which case all rights and

Obligations of the Procuring agency and bidders previously subject to the dead line will thereafter be subject to the deadline as extended.

#### 20. Late Bids

20.1 Any bid received by the Procuring agency after the deadline for submission of bids prescribed by the Procuring agency pursuant to ITB Clause 19 will be rejected and returned unopened to the Bidder.

#### 21. Modification and Withdrawal of Bids

- 21.1 The Bidder may modify or with draw its bid after the bid's submission, provided that written notice of the modification, including substitution or with drawl of the bids, is received by the Procuring agency prior to the dead line prescribed for submission of bids.
- 21.2 The Bidder's modification or withdrawal notice shall be prepared, sealed, marked, and dispatched in accordance with the provisions of ITB Clause 18.by a signed confirmation copy, postmarked not later than the deadline for submission of bids.
- 21.3 No bid may be modified after the dead line for submission of bids.
- 21.4 No bid may be withdrawn in the interval between the dead line for submission of bids and the expiration of the period of bid validity specified by the Bidder on the Bid Form. Withdrawal of a bid during this interval may result in the Bidder's for feature of its bid security, pursuant to the ITB Clause 15.7.

#### E. Opening and Evaluation of Bids

#### 22. Opening of Bids by the Procuring agency

- 22.1 The Procuring agency will open all bids in the presence of bidders' representatives who choose to attend, at the time, on the date, and at the place specified in the Bid Data Sheet. The bidders' representatives who are present shall sign a register evidencing their attendance.
- 22.2 The bidders' names, bid modifications or withdrawals, bid prices, discounts, and the presence or absence of requisite bid security and such other details as the Procuring agency, at its discretion, may consider appropriate, will be announced at the opening. No bid shall be rejected at bid opening, except for late bids, which shall be returned un opened to the Bidder pursuant to ITB Clause 20.

- 22.3 Bids(and modifications sent pursuant to ITB Clause 21.2) that are at bid opening shall not be not opened and read out considered further for evaluation, irrespective circumstances. Withdrawn bids will be returned unopened to the bidders.
- 22.4 The Procuring agency will prepare minutes of the bid opening.

## Bids

23. Clarification of 23.1 During evaluation of the bids the Procuring agency may, at its discretion, ask the Bidder for a clarification of its request for clarification and the response shall be in writing, and no change in the prices or substance of the bid shall be sought, offered, or permitted.

#### 24. Preliminary Examination

- 24.1 The Procuring agency will examine the bids to determine whether they are complete, whether any computational errors have been made, whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.
- 24.2 A rith metical errors will be rectified on the following basis. If there is a discrepancy between the unit price and the total price that is obtained by multiplying the un it price and quantity, the un it price shall prevail, and the total price shall be corrected. If the Supplier does not accept the correction of the errors, its bid will be rejected, and its bid security may be forfeited. If there is a discrepancy between words and figures, the amount in words will prevail.
- 24.3 The Procuring agency may waive any minor informality, non conformity, or irregularity in a bid which does not constitute a material deviation, provided such waiver does not prejudice or affect the relative ranking of any Bidder.
- 24.4 Prior to the detailed evaluation, pursuant to ITB Clause 25the Procuring agency will determine the substantial responsiveness of each bid to the bidding documents. For purposes of these Clauses, a substantially responsive bid is one which conforms to all the terms and conditions of the bidding documents without material deviations. Deviations from, or objections or reservations to critical provisions, such as those concerning Bid Security (ITB Clause 15), Applicable Law (GCC Clause 30), and Taxes and Duties (GCC Clause 32), will be deemed to be a material deviation. The Procuring agency's determination of a bid's responsive assist to be based on the contents of the bid Itself without recourse to extrinsic evidence.

#### 25. Evaluation and Comparison of Bids

- 24.5 If a bid is not substantially responsive, it will be rejected by the Procuring agency and may not subsequently be made responsive by the Bidder by correction of the nonconformity.
- 25.1 The Procuring agency will evaluate and compare the bids which have been determined to be substantially responsive, pursuant to ITB Clause 24.
- 25.2 The Procuring agency's evaluation of a bid will be on delivered duty paid (DDP) price inclusive of prevailing duties and will exclude any allowance for price adjustment during the period of execution of the contract, if provided in the bid.
- 25.3 The Procuring agency's evaluation of a bid will take into account, in addition to the bid price quoted in accordance with ITB Clause 11.2, one or more of the following factors as specified in the Bid Data Sheet, and quantified in ITB Clause 25.4:
  - (a) Incidental costs
  - (b) Delivery schedule offered in the bid;
  - (c) Deviations in payment schedule from that specified in the Special Conditions of Contract;
  - (d) The cost of components, mandatory spare parts, and service; (e) the availability Procuring agency of spare parts and after- sales services for the equipment offered in the bid;
  - (f) The projected operation and maintenance costs during the life of the equipment;
  - (g) The performance and productivity of the equipment offered; and / or
  - (h) Other specific criteria indicated in the Bid Data Sheet and/or in the Technical Specifications.
- 25.4 For factors retained in the Bid Data Sheet pursuant to ITB 25.3, one or more of the following quantification methods will be applied, as detailed in the Bid Data Sheet:
  - (a) Incidental costs provided by the bidder will be added by Procuring agency to the delivered duty paid (DDP) price at the final destination.
    - (b) Delivery Schedule.
- (i)—The Procuring agency enquires that the goods under the Invitation for Bids shall be delivered at the time specified in the Schedule of Requirements which will be treated as the base, a delivery "adjustment" will be calculated for bids by applying a percentage, specified in the Bid Data Sheet, of the DDP price for each week of delay beyond the base, and this will be added to the bid price for evaluation. No credit shall be given to early delivery.

Or

(ii) The goods covered under this invitation are required to be delivered (shipped) with in an acceptable range of weeks specified in the Schedule of Requirement. No credit will be given to earlier deliveries, and bids offering delivery beyond this range will be treated as non responsive. Within this acceptable range, an adjustment per week, as specified in the Bid Data Sheet, will be added for evaluation to the bid price of bids offering deliveries later than the earliest delivery period specified in the Schedule of Requirements.

Or

(iii) The goods covered under this invitation are required to be delivered in partial shipments, as specified in the Schedule of Requirements. Bids offering deliveries earlier or later than the specified deliveries will be adjusted in the evaluation by adding to the bid price A factor equal to a percentage, specified in the Bid Data Sheet, of DDP price per week of variation from the specified delivery schedule.

#### (c) Deviation in payment schedule.

(i) Bidders shall state their bid price for the payment schedule outlined in the SCC. Bids will be evaluated on the basis of this base price. Bidders are, however, permitted to state an alternative payment schedule and indicate the reduction in bid price they wish to offer for such alternative payment schedule. The Procuring agency may consider the alternative payment schedule offered by the selected Bidder.

Or

(ii) The SCC stipulates the payment schedule offered by

The Procuring agency. If a bid deviates from the schedule and if such deviation is considered acceptable to the Procuring agency, the bid will be evaluated by calculating interest earned for any earlier payments involved in the terms outlined in the bid as compared with those stipulated in this invitation, at the rate per annum specified in the Bid Data Sheet.

#### (d) Cost of spare parts.

(i) The list of items and quantities of major assemblies, components, and selected spare parts, likely to be required during the initial period of operation specified in the Bid Data Sheet, is annexed to the Technical Specifications. The total cost of these items, at the unit prices quoted in each bid, will be added to the bid price.

Or

(ii) The Procuring agency will draw up a list of high- usage and high-value items of components and spare parts, along with estimated quantities of usage in the initial period of operation specified in the Bid Data Sheet. The total cost of these items and quantities will be computed from spare parts unit pricessubmitted by the Bidder and added to the bid price.

Or

- (iii) The Procuring agency will estimate the cost of spare parts usage in the initial period of operation specified in the Bid Data Sheet, based on information furnished by each Bidder, as well as on past experience of the Procuring agency or other procuring agencies in similar situations. Such costs shall be added to the bid price for evaluation.
- (e) Spare parts and after sales service facilities in the Procuring agency's country.

The cost to the Procuring agency of establishing the minimum service facilities and parts inventories, as out lined in the Bid Data Sheet or elsewhere in the bidding documents, if quoted separately, shall be added to the bid price.

(f) Operating and maintenance costs.

Since the operating and maintenance costs of the goods under procurement form a major part of the lifecycle cost of the equipment, these costs will be evaluated in accordance with the criteria specified in the Bid Data Sheet or in the Technical Specifications.

- (g) Performance and productivity of the equipment.
  - (i) Bidders shall state the guaranteed performance or efficiency in response to the Technical Specification. For each drop in the performance or efficiency below then or m of 100,an adjustment for an amount specified in the Bid Data Sheet will be added to the bid price, representing the capitalized cost of additional operating costs over the life of the plant, using the methodology specified in the Bid Data Sheet or in the Technical Specifications.

#### Or

- (ii) Goods offered shall have a minimum productivity specified under the relevant provision in the Technical Specifications to be considered responsive. Evaluation shall be based on the cost per unit of the actual productivity of goods offered in the bid, and adjustment will be added to the bid price using the methodology specified in the Bid Data Sheet or in the Technical Specifications.
- (h) Specific additional criteria indicated in the Bid Data Sheet and/or in the Technical Specifications.

The relevant evaluation method shall be detailed in the Bid Data Sheet and/or in the Technical Specifications.

#### Alternative

#### 25.4 Merit Point System:

The following merit point system for weighing evaluation Factors Can be applied if none of the evaluation methods listed in 25.4 above has been retained in the Bid Data Sheet. The number of points allocated to each factor shall be specified in the Bid Data Sheet.

[In the Bid Data Sheet, choose from the range of]

| Evaluated price of the goods                            | 60 to 90 |
|---|----------|
| Cost of common list spare parts                         | 0 to 20  |
| Technical features, and maintenance and operating costs | 0 to 20  |
| Availability of service and spare parts                 | 0 to 20  |
| Standardization   | 0 to 20  |
| Total   | 100      |

The bids coring the highest number of points will be deemed to be the lowest evaluated bid.

#### 26. Contacting the Procuring agency

- 26.1 Subject to ITB Clause 23, no Bidder shall contact the Procuring agency on any matter relating to its bid, from the time of the bid opening to the time the contract is awarded. If the Bidder wishes to bring additional information to the notice of the Procuring agency, it should do so in writing.
- 26.2 Any effort by a Bidder to influence the Procuring agency in its decisions on bid evaluation, bid comparison, or contract award may result in the rejection of the Bidder's bid.

#### F. Award of Contract

#### 27. Postqualification

- 27.1 In the absence of pre qualification, the Procuring agency will determine to its satisfaction whether the Bidder that is selected as having submitted the lowest evaluated responsive bid is qualified to perform the contract satisfactorily, in accordance with the criteria listed in ITB Clause 13.3.
- 27.2 The determination will take into account the Bidder's financial, technical, and production capabilities. It will be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Clause 13.3, as well as such other information as the Procuring agency deems necessary and appropriate.
- 27.3 An affirmative determination will be a prerequisite for a ward of the contract to the Bidder. A negative determination will result in rejection of the Bidder's bid, in which event the Procuring agency will proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.

#### 28. Award Criteria

28.1 SubjecttoITBClause30,theProcuringagencywillawardthe contract to the successful Bidder whose bid has been determined to be substantially responsive and has been determined to be the lowest evaluated bid, provided further that the Bidder is determined to be qualified to perform the contract satisfactorily.

- 29. Procuring
  agency's Right
  to Vary
  Quantities at
  Time of Award
- 29.1 The Procuring agency reserves the right at the time of contract award to increase or decrease, by the percentage indicated in the Bid Data Sheet, the quantity of goods and services originally specified in the Schedule of Requirements without any change in unit price or terms and conditions.
- 30. Procuring agency's Right to Accept any Bid and to Reject any or All Bids
- 30.1 The Procuring agency reserves the right to accept or reject any bid, and to annul the bidding process and reject all bids at any time prior to contract award, without there by incurring any liability to the affected Bidder or bidders or any obligation to inform the affected Bidder or bidders of the grounds for the Procuring agency's action.
- 31. Notification of Award
- 31.1 Prior to the expiration of the period of bid validity, the Procuring agency will notify the successful Bidder in writing by registered letter or by cable, to be confirmed in writing by registered letter, that its bid has been accepted.
- 31.2 The notification of award will constitute the formation of the Contract.
- 31.3 Upon the successful Bidder's furnishing of the performance security pursuant to ITB Clause 33, the Procuring agency will promptly notify each unsuccessful Bidder and will discharge its bid security, pursuant to ITB Clause 15.
- 32. Signing of Contract
- 32.1 At the same time as the Procuring agency notifies the successful Bidder that its bid has been accepted, the Procuring agency will send the Bidder the Contract Form provided in the bidding documents, incorporating all agreements between the parties.
- 32.2 Within thirty(30) days of receipt of the Contract Form, the successful Bidder shall sign and date the contract and return it to the Procuring agency.
- 33 Performance Security
- 33.1 With in Five (05) days of the receipt of notification of award from the Procuring agency, the successful Bidder shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security Form provided in the bidding documents, or in another form acceptable to the Procuring agency.
- 33.2 Failure of the successful Bidder to comply with the requirement of ITB Clause 32 or ITB Clause 33.1 shall constitute sufficient grounds for the annul mentor of the award and for feature of the bid security, in which event the Procuring agency may make the award to the next lowest evaluated Bidder or call for new bids.

#### 34. Corrupt or Fraudulent Practices

- 34.1 The Government of Sindh requires that Procuring agency's (including beneficiaries of donor agencies' loans), as well as Bidders/Suppliers/Contractors under Government-financed contracts, observe the highest standard of ethics during the procurement and execution of such contracts. In pursuance of this policy, the SPPRA, in accordance with the SPP Act, 2010 and Rules made there under:
  - defines, for the purposes of this provision, the terms set forth below as follows:
    - (i) "corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution; and
    - (ii) "fraudulent practice" means a misrepresentation of acts in order to influence a procurement process or the execution of a contract to the detriment of the Procuring agency, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial noncompetitive levels and to deprive the Procuring agency of the benefits of free and open competition;
    - (b) will reject a proposal for award if it determines that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question;
    - (c) will declare a firm in eligible, either in definitely or for a stated period of time, to be awarded a Government- financed contract if it at any time determines that the firm has engaged in corruptor fraudulent practices in competing for, or in executing, a Government-financed contract.
- 34.2 Furthermore, Bidders shall be aware of the provision stated in sub-clause 5.4 and sub-clause 24.1 of the General Conditions of Contract.

Part One - Section II. General Conditions of Contract

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#### **General Conditions of Contract**

#### 1. Definitions

- 1.1 In this Contract, the following terms shall be interpreted as indicated:
  - (a) "The Contract" means the agreement entered in to between the Procuring agency and the Supplier, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents in corporate by reference therein.
  - (b) "The Contract Price" means the price payable to the Supplier under the Contract for the full and proper performance of its contractual obligations.
  - (c) "The Goods" means all of the equipment, machinery, and/or other materials which the Supplier is required to supply to the Procuring agency under the Contract.
  - (d) "The Services" means those services ancillary to the supply of the Goods, such as transportation and insurance, and any other incidental services, such as installation, commissioning, provision of technical assistance, training, and other such obligations of the Supplier covered under the Contract.
  - (e) "GCC" means the General Conditions of Contract contained in this section.
  - (f) "SCC" means the Special Conditions of Contract.
  - (g) "The Procuring agency" means the organization purchase the Goods, as named in SC SCC.
  - (h) "The Procuring agency's country" is the country named in SCC.
  - "The Supplier" means the individual or firm supplying the Goods and Services under this Contract.
  - (j) "The Project Site," where applicable, means the place or places named in SCC.
  - (k) "Day" means calendar day.

#### 2. Application

2.1 These General Conditions shall apply to the extent that they are not superseded by provisions of other parts of the Contract.

#### 3. Country of Origin

- 3.1 All Goods and Services supplied under the Contract shall have their origin in the countries and territories eligible under the rules and further elaborated in the SCC.
- 3.2 For purposes of this Clause, "origin" means the place where the Goods were mined, grown, or produced, or from which the Services are supplied. Goods are produced when, through manufacturing, processing, or substantial and major assembly of components, a commercially recognized new product results that is substantially different in basic characteristics or in purpose or utility from its components.
- 3.3 The origin of Goods and Services is distinct from the nationality of the Supplier.
- 4.1 The Goods supplied under this Contract shall conform to the standards mentioned in the Technical Specifications, and, when no applicable standard is mentioned, to the authoritative standards appropriate to the Goods' country of origin. Such standards shall be the latest issued by the concerned institution.
- 5. Use of
  Contract
  Documents
  and
  Information;
  Inspection
  and Audit by
  the
  Government
- 5.1 The Supplier shall not, without the Procuring agency's prior written consent, disclose the Contract, or any provision thereof, or any specification, plan, drawing, pattern, sample, or information furnished by or on behalf of the Procuring agency in connection therewith, to any person other than a person employed by the Supplier in the performance of the Contract. Disclosure to any such employed person shall be made in confidence and shall extend only so far as may be necessary for purposes of such performance.
- 5.2 The Supplier shall not, without the Procuring agency's prior written consent, make use of any document or information enumerated in GCC Clause 5.1 except for purposes of performing the Contract.
- 5.3 Any document, other than the Contract itself, enumerated in GCC Clause 5.1 shall remain the property of the Procuring agency and shall be returned (all copies) to the Procuring agency on completion of the Supplier's performance under the Contract if so required by the Procuring agency.

- 5.4 The Supplier shall permit the Procuring agency to inspect the Supplier's accounts and records relating to the performance of the Supplier and to have them audited by auditors appointed by the procuring agency, if so required.
- 6. Patent Rights
- 6.1 The Supplier shall indemnify the Procuring agency against all third- party claims of infringement of patent, trademark, or industrial design rights a rising from use of the Goods or any part thereof in the Procuring agency's country.
- 7. Performance Security
- 7.1 Within five (05) days of receipt of the notification of Contract award, the successful Bidder shall furnish to the Procuring agency the performance security in the amount specified in SCC.
- 7.2 The proceeds of the performance security shall be payable to the Procuring agency as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 7.3 The performance security shall be denominated in the currency of the Contract acceptable to the Procuring agency and shall be in one of the following forms:
  - (a) a bank guarantee or an irrevocable letter of credit issued by a reputable bank located in the Procuring agency's country, in the form provided in the bidding documents or another form acceptable to the Procuring agency; or
  - (b) a cashier's or certified check.
- 7.4 The performance security will be discharged by the Procuring agency and returned to the Supplier not later than sixty (60) days following the date of completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in SCC.

# 8. Inspections and Tests

- 8.1 The Procuring agency or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Contract specifications at no extra cost to the Procuring agency. SCC and the Technical Specifications shall specify what inspections and tests the Procuring agency requires and where they are to be conducted. The Procuring agency shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.
- 8.2 The inspections and tests may be conducted on the premises of the Supplier or its subcontractor(s), at point of delivery, and/or at

The Goods' final destination. If conducted on the premises of the Supplier or its subcontractor(s), all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Procuring agency.

- 8.3 Should any inspected or tested Goods fail to conform to the Specifications, the Procuring agency may reject the Goods, and the Supplier shall either replace the rejected Goods or make alterations necessary to meet specification requirements free of cost to the Procuring agency.
- 8.4 The Procuring agency's right to inspect, test and, where necessary, reject the Goods after the Goods' arrival in the Procuring agency's country shall in no way be limited or waived by reason of the Goods having previously been inspected, tested, and passed by the Procuring agency or its representative prior to the Goods' shipment from the country of origin.
- 8.5 NothinginGCCClause8shallinanywayreleasetheSupplier from any warranty or other obligations under this Contract.

#### 9. Packing

- 9.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. The packing shall be sufficient to withstand, without limitation, rough hand ling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packing case size and weights shall take into consideration, where appropriate, there muteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.
- 9.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in SCC, and in any sub sequent instructions ordered by the Procuring agency.

#### 10. Delivery and Documents

10.1 Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in the Schedule of Requirements. The details of shipping and/or other documents to be furnished by the Supplier are specified in SCC.

#### 11. Insurance

- 11.1 The Goods supplied under the Contract shall be delivered duty paid (DDP) under which risk is transferred to the buyer after having been delivered, hence insurance coverage is sellers responsibility.
- 12. .
- 12.1 The Supplier is required under the Contact to transport the Goods to a specified place of destination within the Procuring agency's country, transport to such place of destination in the Procuring agency's country, including insurance and storage, as shall be specified in the Contract, shall be arranged by the Supplier, and related costs shall be included in the Contract Price.

#### 13. Incidental Services

- 13.1 The Supplier may be required to provide any or all of the following services, including additional services, if any, specified in SCC:
  - (a) performance or supervision of on-site assembly and/or startup of the supplied Goods;
  - (b) furnishing of tools required for assembly and/or maintenance of the supplied Goods;
  - furnishing of a detailed operations and maintenance manual for each appropriate unit of the supplied Goods;
  - (d) performance or supervision or maintenance and/or repair of the supplied Goods, for a period of time agreed by the parties, provided that this service shall not relieve the Supplier of any warranty obligations under this Contract; and
  - (e) training of the Procuring agency's personnel, at the Supplier's plant and/or on-site, in assembly, start-up, operation, maintenance, and/or repair of the supplied Goods.
- 13.2 The supplier shall be required to provide the incidental services has specified in SCC and the cost of which should be included in the total bid price.

#### 14. Spare Parts

14.1 As specified in SCC, the Supplier may be required to provide any or all of the following materials, notifications, and information pertaining to spare parts manufactured or distributed by the Supplier:

- (a) such spare parts as the Procuring agency may elect to purchase from the Supplier, provided that this election shall not relieve the Supplier of any warranty obligations under the Contract; and
- (b) in the event of termination of production of the spare parts:
  - advance notification to the Procuring agency of the pending termination, in sufficient time to permit the Procuring agency to procure needed requirements;
     and
  - (ii) following such termination, furnishing at no cost to the Procuring agency, the blueprints, drawings, and specifications of the spare parts, if requested.

#### 15. Warranty

- 15.1 The Supplier warrants that the Goods supplied under the Contract are new, unused, of the most recent or current models, and that they incorporate all recent improvements in design and materials unless provided otherwise in the Contract. The Supplier further warrants that all Goods supplied under this Contract shall have no defect, arising from design, materials, or workmanship (except when the design and/or material is required by the Procuring agency's specifications) or from any act or omission of the Supplier, that may develop under normal use of the supplied Goods in the conditions prevailing in the country of final destination.
- 15.2 A warranty of Two Years will be provided free of cost including parts repair and replacement however incase of high tech equipment if mentioned in the specification the warranty shall be five years free service and parts at the installation site.
- 15.3 The Procuring agency shall promptly notify the Supplier in writing of any claims arising under this warranty.
- 15.4 Up on receipt of such notice, the Supplier shall, with in the period specified in SCC and with all reasonable speed, repair or replace the defective Goods or parts thereof, without costs to the Procuring agency.
- 15.5 If the Supplier, having been notified, fails to remedy the defect(s)

Within the period specified in SCC, within a reasonable period, the Procuring agency may proceed to take such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Procuring agency may have against the Supplier under the Contract.

#### 16. Payment

- 16.1 The method and conditions of payment to be made to the Supplier under this Contract shall be specified in SCC.
- 16.2 The Supplier's request(s) for payment shall be made to the Procuring agency in writing, accompanied by an invoice describing, as appropriate, the Goods delivered and Services performed, and by documents submitted pursuant to GCC Clause 10,and upon fulfillment of other obligations stipulated in the Contract.
- 16.3 Payments shall be made promptly by the Procuring agency, but in no case later than sixty (60) days after submission of an invoice or claim by the Supplier.
- 16.4 The currency of payment is Pak Rupees which will be paid after Installation and satisfactory report by inspection committee for duty delivered pay free delivery at the consignee end In case of import cases pay will be made 100% via establishing LC at sight and receiving shipping doc / bill of lading, inspection, certificate of the manufacturers country of origin, compliance of international standards of quality.

#### 17. Prices

17.1 Prices charged by the Supplier for Goods delivered and Services performed under the Contract shall not vary from the prices quoted by the Supplier in its bid and shall remain the same till expiry of original bids validity period provided the procuring agencies bid validity extension.

#### 18. Change Orders

- 18.1 The Procuring agency may at any time, by a written order given to the Supplier pursuant to GCC Clause 31,make changes within the general scope of the Contract in any one or more of the following:
  - drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Procuring agency;
  - (b) the method of shipment or packing;
  - (c) the place of delivery; and/or
  - (d) the Services to be provided by the Supplier.
- 18.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier's performance of any provisions under the Contract, an equitable adjustment shall be

Made in the Contract Price or delivery schedule, or both, and the Contract shall accordingly be a mended. Any claims by the Supplier for adjustment under this clause must be asserted with in thirty (30) days from the date of the Supplier's receipt of the Procuring agency's change order.

# 19. Contract Amendments

- 19.1 Subject to GCC Clause 18, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.
- 20. Assignment
- 20.1 The Supplier shall not assign, in whole or in part, its obligations to perform under this Contract, except with the Procuring agency's prior written consent.
- 21. Subcontracts
- 21.1 The Supplier shall notify the Procuring agency in writing of all subcontracts awarded under this Contract if not already specified in the bid. Such notification, in the original bid or later, shall not relieve the Supplier from any liability or obligation under the Contract.
- 21.2 Sub contracts must comply with the provisions of GCC Clause 3.

#### 22. Delays in the Supplier's Performance

- 22.1 Delivery of the Goods and performance of Services shall be made by the Supplier in accordance with the time schedule prescribed by the Procuring agency in the Schedule of Requirements.
- 22.2 If at any time during performance of the Contract, the Supplier or its subcontractor(s) should encounter conditions impeding timely delivery of the Goods and performance of Services, the Supplier shall promptly notify the Procuring agency in writing of the fact of the delay, its likely duration and its cause(s). As soon as practicable after receipt of the Supplier's notice, the Procuring agency shall evaluate the situation and may at its discretion extend the Supplier's time for performance, with or without liquid ated damages, in which case the extension shall be ratified by the parties by amendment of Contract.
- 22.3 Except as provided under GCC Clause 25, a delay by the Supplier in the performance of its delivery obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 23, unless an extension of time is agreed upon pursuant to GCC Clause 22.2 without the application of liquidated damages.

#### 23. Liquidated

23.1 Subject to GCC Clause 25, if the Supplier fails to deliver any or

#### **Damages**

all of the Goods or to perform the Services within the period(s) specified in the Contract, the Procuring agency shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages leveled at the rate of two percent (2%) per month or a fraction thereof subject to a maximum of ten percent (10%) of the P.O / contract price / a sum equivalent to the percentage specified in SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in SCC. Once the maximum is reached, the Procuring agency may consider termination of the Contract pursuant to GCC Clause 24.

## 24. Termination for Default

- 24.1 The Procuring agency, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate this Contract in whole or in part:
  - (a) if the Supplier fails to deliver any or all of the Goods within the period(s) specified in the Contract, or within any extension thereof granted by the Procuring agency pursuant to GCC Clause 22; or
  - (b) if the Supplier fails to perform any other obligation(s) under the Contract.
  - (c) if the Supplier, in the judgment of the Procuring agency has engaged in corrupt or fraudulent practices in competing for or in executing the Contract.

For the purpose of this clause:

"Corrupt practice" means the offering, giving, receiving or soliciting of anything of value to influence the action of a public official in the procurement process or in contract execution.

"Fraudulent practice" means a misrepresentation of facts in order to influence a procurement processor the execution of a contract to the detriment of the Borrower, and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Borrower of the benefits of free and open competition.

24.2 In the event the Procuring agency terminates the Contract in whole or in part, pursuant to GCC Clause 24.1, the Procuring agency may procure, upon such terms and in such manner as it deems appropriate, Goods or Services similar to those undelivered, and the Supplier shall be liable to the Procuring agency for any excess costs for such similar Goods or Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

#### 25. Force Majeure

- 25.1 Notwithstanding the provisions of GCC Clauses 22,23,and24, the Supplier shall not be liable for forfeiture of its performance security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.
- 25.2 For purposes of this clause," Force Majeure" means an event beyond the control of the Supplier and not involving the Supplier's fault or negligence and not foreseeable. Such events may include, but are not restricted to, acts of the Procuring agency in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- 25.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Procuring agency in writing of such condition and the cause thereof. Unless otherwise directed by the Procuring agency in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.

# 26. Termination for Insolvency

26.1 The Procuring agency may at any time terminate the Contract by giving written notice to the Supplier if the Supplier becomes bank corrupt or otherwise in solvent. In this event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Procuring agency.

#### 27. Termination for Convenience

- 27.1 The Procuring agency, by written notice sent to the Supplier, may terminate the Contract, in whole or in part, at any time for its convenience. The notice of termination shall specify that termination is for the Procuring agency's convenience, the extent to which performance of the Supplier under the Contract is terminated, and the date upon which such termination becomes effective.
- 27.2 The Goods that are complete and ready for shipment within thirty(30) days after the Supplier's receipt of notice of termination shall be accepted by the Procuring agency at the

Contract terms and prices. For the remaining Goods, the Procuring agency may elect:

- (a) to have any portion completed and delivered at the Contract terms and prices; and/or
- (b) To cancel their main demand pay to the Supplier an agreed amount for partially completed Goods and Services and for materials and parts previously procured by the Supplier.

#### 28.Resolution of Disputes

- 28.1 The Procuring agency and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 28.2 If, after thirty (30) days from the commencement of such informal negotiations, the Procuring agency and the Supplier have been unable to resolve amicably a Contract dispute, either party may require that the dispute be referred for resolution to the formal mechanisms specified in SCC. These mechanism may include, but are not restricted to, conciliation mediated by a third party, adjudication in an agreed manner and/or arbitration.

#### 29. Governing Language

- 29.1 The Contract shall be written in the language specified in SCC. Subject to GCC Clause 30, the version of the Contract written in the specified language shall govern its interpretation.All correspondence and other documents pertaining to the Contract which are exchange by the parties shall be written in the same language.
- 30. Applicable Law
- 30.1 The Contract shall be interpreted in accordance with the laws of the Procuring agency's country, unless otherwise specified in SCC.

#### 31. Notices

- 31.1 Any notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing or by cable, telex, or facsimile and confirmed in writing to the other party's address specified in SCC.
- 31.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

#### 32. Taxes and Duties

32.1 Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Procuring agency.

All taxes are applicable as per government.

#### 33. Turnkey basis

- The Purchaser will evaluate and compare bids on turnkey basis design/equipment, installation, commission and training and services. Equipment will purchase on the package basis.
- · Equipment must be quoted with all the standard accessories.
- UPS/Power protection for the equipment shall be incorporate in the system or must be quoted separately.

(For complete accessories of equipment each section must complete quoted)

#### CONTRACT PERFORMANCE BOND

(Bank Guarantee on stamp paper at the rate prescribed by Government of Pakistan)

| ( Property of the property of | as an are time properties by Government of I minuting   |
|---|---|
|   | Guarantee No.   |
|   | Executed on   |
|   | Expiry Date   |
| Letter by the Guarantor (Bank)  | to the Employer (University)  |
| Name of Guarantor (Bank) with A   | .ddress:  |
| Name of Principal (Contractor) w  | rith address:   |
| Penal Sum of Security (Bond), (in   | words and figures)  |
| Letter of Acceptance No.  | Dated   |
| and above said Letter of Acceptan<br>request of the said Principal (Cont  | RESENTS, that in pursuance of the Tender Documents are (hereinafter called the Documents) and at the tractor) we, the Guarantor above named, are held and CPC, LIAQUAT UNIVERSITY OF MEDICAL & HEAI |

KNOW ALL MEN BY THESE PRESENTS, that in pursuance of the Tender Documents and above said Letter of Acceptance (hereinafter called the Documents) and at the request of the said Principal (Contractor) we, the Guarantor above named, are held and firmly bound unto the Chairman, CPC, LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCES, Jamshoro, Sindh, acting through the Chairman, Central Purchase Committee LIAQUAT UNIVERSITY OF MEDICAL & HEALTH SCIENCES, Jamshoro {hereinafter called the Employer (University)} in the penal sum of amount stated above for the payment of which sum well and truly to be made to the said Employer (University), we bind ourselves, our heirs, executors, administrators and successors, jointly and severely, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that whereas the Principal (Contractor) has accepted the Employer's (University's) above said Letter of Acceptance

for the supply, installation, putting into operation and demonstration of Equipment for for Category A. Office Appliance / Furniture / Lab Equipment B. Library Books.

SINDH.

NOW THEREFORE, if the Principal (Contractor) shall well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the said Documents during the original terms of the said Documents and any extensions thereof that may be granted by the Employer (University), with or without notice to the Guarantor, which notice is hereby waived and shall also well and truly perform and fulfill all the undertakings, covenants, terms and conditions of the Contract and of any and all modifications of the said Documents that may hereafter be made, notice of which modifications to the Guarantor being hereby waived, then, this obligation to be void; otherwise to remain in full force and virtue till the expiry of the guaranty period as per Clause of the Conditions of Contract.

Our total liability under this Guarantee is limited to the sum stated above and it is a condition of any liability attaching to us under this Guarantee that the claim for payment in writing shall be received by us within the validity period of this Guarantee, failing which we shall be discharged of our liability, if any, under this Guarantee.

We, \_\_\_\_\_\_\_\_\_(the Guarantor), waiving all objections and defenses under the Contract, do hereby irrevocably and independently guarantee to pay to the Employer (University) without delay upon the Employer's (University's) first written demand without cavil or arguments and without requiring the Employer (University) to prove or to show grounds or reasons for such demand any sum or sums up to the amount stated above, against the Employer's (University's) written declaration that the Principal (Contractor) has refused or failed to perform the obligations under the Contract which payment will be effected by the Guarantor to the Employer's (University's) designated Bank and Account Number.

PROVIDED ALSO THAT the Employer (University) shall be the sole and final judge for deciding whether the Principal (Contractor) has duly performed his obligations under the Contract or has defaulted in fulfilling the said obligations, and the Guarantor shall pay without objection any sum or sums up to the amount stated above upon first written demand from the Employer (University) forthwith and without any reference to the Principal (Contractor) or any other person.

IN WITNESS WHEREOF, the above bounden Guarantor has executed this Instrument under its seal on the date indicated above, the name and corporate seal of the Guarantor being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body

|                        | Guarantor (Bank)           |
|------------------------|----------------------------|
| Witness:               |                            |
| 1<br>(Signature)       | 1. Signature               |
| Corporate Seal)        | 2. Name                    |
| 2(Signature)           | 3. Title                   |
| (Name, Title, Address) | (Corporate Guarantor Seal) |

In Witness Thereof the parties have hereunto set their respective hands and seals, the day, month and year first above written.

#### Vice Chancellor LUMHS

| Signature                             |            |
|---------------------------------------|------------|
| Name:                                 |            |
| WITNESSES:                            |            |
| University Witness No.1: Signature:   |            |
| Name:                                 |            |
| Designation:                          |            |
| University Witness No.2: Signature:   |            |
| Name:                                 |            |
| Designation:                          |            |
|                                       | Contractor |
|                                       | Signature  |
|                                       | Name:      |
|                                       |            |
| Contractor's Witness No.1: Signature: |            |
| Name:                                 |            |
| Designation:                          |            |
| Contractor's Witness No.2: Signature: |            |
| Name:                                 |            |
| Designation:                          |            |

# NIT

#### LUMHS, Jamshoro



 $\label{eq:Form-1} \text{Form} -1. \qquad \quad \text{-} \qquad \quad \text{Application Letter}$ 

Form-2 - General information of FIRM

Form-3 - list of similar Projects/Procurements

Form-4 - Details of Technical Staff

Form-5 - Financial Standings/Obligations/GST/Income Tax.



| Form 1   |
|--|
| Letter of Application  |
| Registered Business Name:  |
| Registered Business Address:   |
| Telephone & FAX:   |
| To: Chairman, Central Purchase Committee  LUMHS, Jamshoro.   |
| Sir,   |
| I/We hereby apply for Procurement Services at LUMHS, Jamshoro as a registered Firm/Individual  |
| I/We authorize LUMHS or its authorized representatives to conduct any investigation to verify the statements, documents and information submitted and to clarify the financial and technical aspects of this application, from any person, bank, department, agency or firm. |
| The names and positions of the contact persons at our firm, who may be contacted for further information, if required are as follows:  |
| Abc  |
| Xyz  |

#### LUMHS, Jamshoro



I/We hereby declare that

The statements made and the information provided in the application are complete, true and correct in every detail,

This firm has never been black listed by any Government / Autonomous bodies or private company or corporation and not involved in any litigation, arbitration with any client.

Faithfully

Authorized Representative of applicant

Official seal

Dated



#### Form - 2

General information

Name of Company

Type of company

Status of company

Year of incorporation/establishment

Head office address

Telephone Nos

Fax Nos

E-mail address

Branch offices

Telephone No.

E-mail address

Attachments required

Attested copies of registration and ownership certificates of the FIRM

Detailed company profile must include main line of business, response time & after sale support statement, major client list, affiliation with international vendors and available resources for project execution.

Name / designation/signature of

**Authorized Person** 



## <u>Form - 3</u>

Details of Similar Nature Projects

| S.N    | Nature/Name of<br>Project Procurement | Cost of<br>Project | Name &<br>Address of<br>Company | Name &<br>Designation of<br>Contact person | Contact<br>Details of the<br>firm |
|--------|---------------------------------------|--------------------|---------------------------------|--|-----------------------------------|
| Projec | its                                   |                    |                                 |  |                                   |
|        |                                       |                    |                                 |  |                                   |
|        |                                       |                    |                                 |  |                                   |
|        |                                       |                    |                                 | (**  |                                   |
|        |                                       |                    |                                 |  |                                   |

Note: List Down Projects most recently done on top

Name/Designations/Signature of

**Authorized Person** 



## <u>Form - 4</u>

Details of Technical Staff

| S.No. | Name | Designation | Education | Type of    | Years of   |
|-------|------|-------------|-----------|------------|------------|
|       |      |             |           | Experience | Experience |
|       |      |             |           |            |            |
|       |      |             |           |            |            |
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Name/Designation/Signature of Authorized Person.

#### LUMHS, Jamshoro



#### Form - 5

Financial Standing / Registration/Pre-qualification/Obligation/GST/bank statement/Audited accounts all documentary evidences.

Annual Turnover of the last 3 (years)

Applicants are required to submit the following along with their applications

#### GST/INCOME TAX:

Registration Nos. along with copy of registration certificates.

#### Registration:

Registration details with Govt/Semi-Gove/Private/Autonomous bodies.

#### **Obligations:**

List of litigation or arbitration cases, if any, with result thereof, if finalized.

#### Workshop or Maintenance facilities:

The Applicant has got proper workshop/Maintenance facilities along with human resource available, the location must be specified for inspection of necessary.

Name/Designation/Signature of

**Authorized Person** 

# **Specifications**

## Ultra Filtration (UF) Water Purification Plants US-1000 Gallons Per Hours

## (Required QTY 02 Nos.)

|                             | Name of Item and Specification          | Unit<br>Price | Rate | Amount |
|-----------------------------|---|---------------|------|--------|
| UF Water Purificati         | on Plant 1000GPH with Installation      |               |      |        |
| Feed Pump                   | 01 No. Feed Pump EU, 1-HP               |               |      |        |
| Automatic Control<br>Switch | 01 No, EU                               |               |      |        |
| Pressure Sand Filter        | · 16"X65"                               |               |      |        |
| Make                        | USA or Equivalent                       |               |      |        |
| Dimension                   | 16X65                                   |               |      |        |
| Vessel Material             | FRP-Fiber Class Reinforced<br>Polyester |               |      |        |
| Max. Operating<br>Pressure  | 150 psi (10.5 bar)                      |               |      |        |
| Max. Operating<br>Temp:     | 120°F (49°C)                            |               |      |        |
| Vessel Weight               | 25Kg or high                            |               |      |        |
| Filter Media                | Silica Sand                             |               |      |        |
| Mode of Operation           | 3 Way Manual with Multi-Port<br>Valve   |               |      |        |
| Jumbo Housing Filte         | eration                                 |               |      |        |
| Make                        | Italy Or Equivalent                     |               |      |        |
| Housing Material            | Polypropylene                           |               |      |        |
| Size                        | 20" Jumbo                               |               |      |        |
| Filter Cartridge            | Polypropylene Yarn Gold                 |               |      |        |
| Activated Carbon (C         |   |               |      |        |
| Vessel Make:                | UAE or Equivalent                       |               |      |        |
| Dimension                   | 16X65"                                  |               |      |        |
| Vessel Material             | FRP-Fiber Glass Reinforced<br>Polyester |               |      |        |
| Max. Operating<br>Pressure  | 150 psi (10.5 bar)                      |               |      |        |
| Max. Operating<br>Pressure  | 120°F (49 <sub>o</sub> C)               |               |      |        |
| Vessel Weight               | 25Kg or high                            |               |      |        |
| Filter Media                | Granular Activated Carbon               |               |      |        |
| Make                        | Srilanka or Equivalent                  |               |      |        |
| Model of Operation          | 3 way Manual with Multiport Valve       |               |      |        |
| Jumbo Housing Filte         | ration                                  |               |      |        |
| Make                        | Italy or Equivalent                     |               |      |        |
| Housing Material            | Polypropylene                           |               |      |        |
| Size                        | 20" Jumbo                               |               |      |        |
| Filter Cartridge            | Polypropylene Yarn Gold                 |               |      |        |

| Ultra Filtration System            |                               | Unit<br>Price | Rate | Amount |
|------------------------------------|-------------------------------|---------------|------|--------|
| Make                               | UAE or Equivalent             | ,             | ,    |        |
| Flow Rate                          | 9 US GPM                      |               |      |        |
| Membrane Vessel                    | FRP                           |               |      |        |
| Membrane Type                      | Hollow Fiber                  |               |      |        |
| Membrane Size                      | 4"X40"                        |               |      |        |
| Operation                          | Manual                        |               |      |        |
| Installation                       | Drainage and Power interface  |               |      |        |
| Conditions                         | nearby                        |               |      |        |
| Quantity                           | 04 Nos.                       |               |      |        |
| Ultraviolet Sterilizer             |                               |               |      |        |
| Lamp Make                          | USA or Equivalent             |               |      |        |
| Lamp Life                          | 10,000 hours / 1 year         |               |      |        |
| Power Consumption                  | 40 watts                      |               |      |        |
| Gold Lamp Out                      | 50,000 MW Sec/cm <sup>2</sup> |               |      |        |
| Ultraviolet Housing<br>Sump        | Stainless Steel               |               |      |        |
| Quantity of Lamp &<br>Qurtz Sleeve | 02 Sets                       |               |      |        |
| Flow Merter Pipes &                | Fitting of the System = 1"    |               |      |        |
| <b>UPVC</b> Piping and Fi          | tting of the System           |               |      |        |
| Make                               | Canada or Equivalent          |               |      |        |
| Material                           | UPVC (Schedule 80)            |               |      |        |

### Reverse Osmosis (RO)Water Purification Plants US-6000 Gallons Per Day

## (Required QTY 02 Nos.)

|  | Name of Item and Specification          | Unit<br>Price | Rate | Amount |
|--|---|---------------|------|--------|
|  | ater Purification Plant 6000 GPH        |               |      |        |
| with Installation                          |   |               |      |        |
| Feed Pump                                  | 01 No. Feed Pump EU, 1-HP               |               |      |        |
| Automatic Control                          | 01 No, EU                               |               |      |        |
| Switch                                     | 59<br>                                  |               |      |        |
| <b>Pressure Sand Filter</b>                | · 16"X65"                               |               |      |        |
| Make                                       | UAE or Equivalent                       |               |      |        |
| Dimension                                  | 16X65                                   |               |      |        |
| Vessel Material                            | FRP-Fiber Class Reinforced              |               |      |        |
|  | Polyester                               |               |      |        |
| Max. Operating                             | 150 psi (10.5 bar)                      |               |      |        |
| Pressure                                   |   |               |      |        |
| Max. Operating                             | 120°F (49°C)                            |               |      |        |
| Temp:                                      | 0.00                                    |               |      |        |
| Vessel Weight                              | 25Kg or High                            |               |      |        |
| Filter Media                               | Silica Sand                             |               |      |        |
| Mode of Operation                          | 3 Way Manual with Multi-Port            |               |      |        |
| -24-0-4-0-0-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1- | Valve                                   |               |      |        |
| Jumbo Housing Filte                        | eration                                 |               |      |        |
| Make                                       | Italy Or Equivalent                     |               |      |        |
| Housing Material                           | Polypropylene                           |               |      |        |
| Size                                       | 20" Jumbo                               |               |      |        |
| Filter Cartridge                           | Polypropylene Yarn Gold                 |               |      |        |
| Activated Carbon (C                        | GAC) Filter                             |               |      |        |
| Make:                                      | UAE or Equivalent                       |               |      |        |
| Dimension                                  | 16X65"                                  |               |      |        |
| Vessel Material                            | FRP-Fiber Glass Reinforced<br>Polyester |               |      |        |
| Max. Operating                             | 150 psi (10.5 bar)                      |               |      |        |
| Pressure                                   |   |               |      |        |
| Max. Operating                             | 120°F (49 <sub>o</sub> C)               |               |      |        |
| Pressure                                   | 97 POST 20                              |               |      |        |
| Vessel Weight                              | 25Kg or high                            |               |      |        |
| Filter Media                               | Granular Activated Carbon               |               |      |        |
| Make                                       | Srilanka or Equivalent                  |               |      |        |
| Model of Operation                         | 3 way Manual with Multiport Valve       |               |      |        |
| Jumbo Housing Filte                        |   |               |      |        |
| Make                                       | Italy or Equivalent                     |               |      |        |
| Housing Material                           | Polypropylene                           |               |      |        |
| Size                                       | 20" Jumbo                               |               |      |        |
| Filter Cartridge                           | Polypropylene Yarn Gold                 |               |      |        |

| Antiscallent Dozing System   |                               | Unit Price | Rate | Amount |
|------------------------------|-------------------------------|------------|------|--------|
| Make                         | Italy OR Equivalent           |            |      |        |
| Liter Per Hours              | 5-5                           |            | (A)  | e l    |
| Material                     | Antiscallent                  |            |      |        |
| Storage Tank                 | Local 80 Ltrs.                |            |      |        |
| Quantity                     | 01 No.                        |            |      |        |
| Reverse Osmosis Syst         | tem 6000GPD                   |            |      |        |
| Make                         | USA or Equivalent             |            |      |        |
| Operating Pressure up to     | 180 PSI                       |            |      |        |
| Permeate Recovery            | 52 <sup>0</sup>               |            |      |        |
| Design Temperature           | 45°                           |            |      |        |
| Qty of Membrane              | 04 Nos.                       |            |      |        |
| Membrane Size                | 4"X40"                        |            |      |        |
| Salt Rejection               | 65%                           |            |      |        |
| Product Water                | 35%                           |            |      |        |
| Ultraviolet Sterilizer       |                               |            |      |        |
| Make                         | USA or Equivalent             |            |      |        |
| Lamp Life                    | 10,000 hours / 1 Year         |            |      |        |
| Power Consumption            | 40 watts                      |            |      |        |
| Gold Lamp Out                | 50,000 MW Sec/cm <sup>2</sup> |            |      |        |
| Ultraviolet Housing<br>Sump  | Stainless Steel               |            |      |        |
| Qty of Lamp & Qurtz<br>Seeve | 02 Sets                       |            |      |        |
| Flow Merter Pipes an         | d Fitting of the Sytem = 1"   |            |      |        |
| UPVC Piping & Fittin         |                               |            |      |        |
| Make:                        | Canada or Equivalent          |            |      |        |
| Material                     | UPVC (Schedule 80)            |            |      |        |