

# JACOBABAD INSTITUTE OF MEDICAL SCIENCES (JIMS) JACOBABAD (SINDH)

# **TENDER DOCUMENT**

# FOR

# SUPPLY & INSTALLATION OF REVERSE OSMOSIS PLANT PLANT (10,000 GPD) & DRINKING POINTS FROM WATER FILTRATION

# FOR THE FY - 2018-19

Last Date for Bid Submission: Date of Bid Opening: Venue: FRIDAY 26<sup>TH</sup> APRIL 2019 AT 10:30 AM FRIDAY 26<sup>TH</sup> APRIL 2019 AT 11:00 AM SEMINAR HALL, JIMS JACOBABAD AIRPORT ROAD, JACOBABAD

JACOBABAD INSTITUTE OF MEDICAL SCIENCES (JIMS) AIRPORT ROAD JACOBABAD (SINDH) PH # 0722-690003-4 Email: jims.jcd@gmail.com www.jimssindh.org.pk

# **INVITATION FOR BIDS**

The Director, Jacobabad Institute of Medical Sciences (JIMS), Jacobabad invites the bids for the Supply & Installation of Reverse Osmosis Plant (10,000 GPD) & drinking points from water Filtration Plant For The Financial Year 2018-19.

Bidding is open for all eligible bidders, Tenderers/bidders can obtain the Tender Document from the Office of the Director, Jacobabad Institute of Medical Sciences (JIMS), Airport Road, Jacobabad (Sindh).

Complete set of Tender/Bidding Document may be obtained/purchased by the interested bidder on written request to the above mentioned office and upon payment of tender fee of **Rs.3,000/-** (non-refundable) in shape of pay order/demand draft in favour of Director, JIMS Jacobabad.

Duly completed tenders/bids are required to be dropped in the tender box placed/affixed at the Office of the Director, Jacobabad Institute of Medical Sciences (JIMS), Jacobabad on or before above mentioned date & time.

DIRECTOR JIMS, JACOBABAD

# PREAMBLE

Tender Title:	SUPPLY & INSTALLATION OF REVERSE OSMOSIS PLANT (10,000 GPD) & DRINKING POINTS FROM WATER FILTRATION PLANT FOR THE FY - 2018-19
Scope	Jacobabad Institute of Medical Sciences (JIMS), Jacobabad intend to procure Reverse Osmosis Plant & Drinking Points Water Filtration Plant (10,000 GPD) 2018-19 services for design, supply, installation and commissioning of water treatment facility complete with all pre- treatment, post treatment, storage and supply/distribution system to provide required volume of drinking quality water for its patients, attendants and staff as per SPPRA Rules 2010 amended 2017 through National Competitive Bidding.
Procuring Authority:	DIRECTOR, JIMS JACOBABAD
1. Date of Issue of Tender:	From 1 <sup>st</sup> day of publishing in Newspapers/SPPRA Site
2. Place of Issue of Tender:	OFFICE OF THE DIRECTOR, JACOBABAD INSTITUTE OF MEDICAL SCIENCES (JIMS) AIRPORT ROAD, JACOBABAD (SINDH). www.jimssindh.org.pk
3. Place of Submission and Opening of Tender:	OFFICE OF THE DIRECTOR, JACOBABAD INSTITUTE OF MEDICAL SCIENCES (JIMS) AIRPORT ROAD, JACOBABAD (SINDH).
4. Closing Date and Time / Submission up to of sealed Tender document:	FRIDAY 26 <sup>TH</sup> APRIL 2019 AT 10:30 AM
5. Date and Time of Opening of Tender:	FRIDAY 26 <sup>TH</sup> APRIL 2019 AT 11:00 AM
<ol> <li>Amount of Earnest Money to be Submitted along with the Tender in Favor of Director, JIMS Jacobabad</li> </ol>	<b>3%</b> of tender amount in shape of demand draft/pay order issued from any scheduled bank of Pakistan. This bond will be released to unsuccessful tenderers/bidders after the issue of letter of intent to successful contractor and the bond of successful tenderer/bidder shall be released after completion of contract agreement.
7. Performance Security	@5% of the bid amount and/or value of supply/work order.
8. Release of Performance Security:	Will be released after successfully completion of tender period and/or 100% supply and/or work completion.
9. Tender Fee:	<b>Rs.3,000/-</b> in shape of PO/Demand Draft in favour of Director, JIMS Jacobabad.
10. Bidding Procedure:	Single Stage - Two Envelope procedure
11. Bid Validity:	90 Days from the date of Financial opening

# PRE-REQUISITE / ELIGIBILITY CRITERIA TO PARTICIPATE IN THIS TENDER

### **DOCUMENTS CHECKLIST**

Please review the following list of all possible documents to be enclosed with the technical proposals.

Sr#	Document Description	Yes/No	Page No.
1.	** Tender Purchase Receipt (Original)		
2.	** Bid Security (copy of Pay Order/Draft) (Original in		
	Financial offer)		
3.	** Original Bid Document duly filled, Signed & Stamped by		
	bidder each & every page. (Photo copy or duplicate print		
	will not accepted.)		
4.	** Technical Proposal on Bidder's Letterhead		
Bidde	s Documents		
5.	** Manufacturer's Authorization on Manufacturer's		
	letterhead		
6.	Undertaking (as per sample form)		
7.	** Income Tax & GST Registration Professional Tax		
	Certificate (Sindh) Certificates are mandatory, Bidder's FBR		
	Status should be ACTIVE (For NTN and Sales Tax)		
8.	Company Profile		
9.	Bank Statement with last year turnover.		
10.	Income Tax Return (last years)		
11.	Technical Team detail		
Origin	al Equipment Manufacturer (OEM or brand quoted)		
12.	** PEC Certificate (minimum Category C-5)		
13.	References of offered model or brand (in Pakistan		
	preferable in Sindh)		
Additi	onal Documents:		

Note:

\*\* Documents are mandatory if not attached bid will be rejected.

# **Bidder's details for notice purpose**

Bidder Name	
Company	
Address	
Tel & Fax No.	
Contact Person & Cell No.	
Email Address	

### **GENERAL TERMS & CONDITIONS**

- 1. The Tender process shall be governed by the SPPRA Rules 2010 (amended from time to time).
- 2. The contractor will be responsible for providing all item(s) mentioned in the BOQ (Bill of Quantities).
- 3. Govt. taxes shall be deducted as per rules framed from time to time.
- 4. A separate contract agreement shall be done on stamp paper between JIMS Jacobabad and the successful tenderer/bidder.
- 5. The Financial Bid must contain earnest money @ 3% of the total offered bid amount in shape of bank draft/pay order (in original) in favour of Director, JIMS Jacobabad; without earnest money the bid will not be entertained. A photocopy of the earnest money must be attached with the Technical Proposal without mentioning the amount or erasing the amount.
- 6. The Scrutiny of technical bids/offers will be performed by the Technical Committee and only financial bids of technically qualified bidders will be entertained. The financial bids of technically dis-qualified bidders will be returned un-opened.
- 7. Only one rate for each item as per tender specification is acceptable, no alternate rate(s) will be accepted.
- 8. Over-writing, cutting, erasing in the Tender Document should be avoided, if there is any over-writing, cutting, or erasing the correction should be duly signed and stamped by the authorized person.
- 9. The bid will be valid for 90 days from the date of opening of the tender. However, under exceptional circumstances and for reasons to be recorded in writing, if any extension is considered necessary, all those who have submitted their bids shall be asked to extend their respective bid validity period. Such extension shall be for not more than 1/3<sup>rd</sup> of the original bid validity.
- 10. Price escalation will not be allowed.
- 11. The Client (i.e. JIMS Jacobabad) reserves the right to increase/decrease or delete the quantities of good(s)/service(s), originally specified in the BOQ (Bill of Quantities) without any change in unit price or any other terms and conditions of goods at any time during the contract period as per relevant Rules of SPPRA-2010 (amended from time to time).
- 12. The Client (i.e. JIMS Jacobabad) reserves the right to accept or ignore/scrap/cancel the Tender as per relevant Rules of SPPRA-2010 (amended from time to time).
- 13. Conditional tenders/bids will not be accepted.
- 14. The tenderer/bidder are required to submit separate envelopes for "Technical Proposal" and "Financial Proposal" and both envelopes shall be marked in bold and legible letters accordingly to avoid confusion.
- 15. All required items shall be quoted in PAK RUPEES.
- 16. The decision(s) of the Client, once taken will be final and will not be open to the criticism and/or challengeable.
- 17. The tenderer/bidder will provide warranty certificate(s) regarding quality of all general/disposable items etc. (if applicable) sold to the Client. Moreover, the bidder

will be bound to provide the invoice(s) of their source of purchase if and when required along with the warranty.

- 18. The Contractor will submit bill(s)/invoice(s) after delivery of goods and/or services for payments, which will be subject to the availability of funds.
- 19. The Contractor will be responsible to deliver the quoted item(s) and/or service(s)at their own cost including transportation, insurance, and handling costs etc.(if any).
- 20. In case of short/late supply, the required quantities will be purchased from open market and the difference (if any) will be recovered from the Contractor.
- 21. The bidder with the lowest evaluated cost, but not necessarily the lowest submitted price, shall be awarded the contract.
- 22. All bidders will provide demo (proof of concept) to verify the claims in the Technical Specifications of the Brochures. This would also determine the quality and specifications of the equipment.
- 23. JIMS Jacobabad or its representative(s) shall have the right to inspect and/or to test the equipment to confirm their conformity to the contract specifications.
- 24. This Equipment/commodities/supplies are required for a health Institute (i.e. JIMS Jacobabad), therefore, expects significant price discounts.
- 25. Successful tenderer/bidder shall provide performance security @5% of the total bid value along with**0.30%** stamp duty on the Contract Agreement and/or on value of supply/work order(s) within seven (07) days, in shape of Pay Order/. Failure of the successful Bidder to comply with the requirement shall constitute sufficient grounds for the annulment of the award and forfeiture 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.
- 26. Queries of the Bidders (if any) for seeking clarifications regarding the specifications of the hardware must be received in writing to the Purchaser within five working days from the date of Tender advertisement. Any query received after five working days shall not be entertained. All queries shall be responded to within due time.
- 27. Bidders should examine carefully the Summary of Contents. They should visit and inspect the site at their own expense and responsibility and obtain all necessary information prior to submitting the Tender. Any detail/specification missing in the document should be obtained from the office of the Director JIMS, Jacobabad before bidding. Once the Tender is submitted, it will be assumed that no further clarification was required.
- 28. The Client (i.e. Director, JIMS Jacobabad) reserves the right to accept or reject any/all tender(s) at any time without assigning any reason thereof.

(Signature of Contractor with Stamp)

Read and Agreed by M/s\_\_\_\_\_.

Name \_\_\_\_\_.

Signature with Stamp\_\_\_\_\_\_.

# **SPECIAL TERMS & CONDITIONS**

#### 29. Commencement & Completion Dates of work.

- a. The contractor shall not enter upon or commence any portion or work except with the written authority and instructions of the **Director Jacobabad Institute of Medical Sciences (JIMS), Jacobabad**. Failing such authority the contractor shall have no claim to ask for measurements of or payment for work.
- b. The contractor shall proceed with the works with due expedition and without delay and complete the works in the time allowed for carrying out the work as entered in the tender shall be strictly observed by the contractor and shall reckoned from the date on which the order to commence work is given to the contractor and further to ensure good progress during the execution of the work, contractor shall be bound, in all in which the time allowed for completion of any work exceeds one month to achieve progress on the Prorate basis.

#### 30. DELIVERY & INSTALLATION

Delivery and Installation should be at the Sites/Locations of Jacobabad Institute of Medical Sciences (JIMS), Jacobabad at the risk and cost of successful bidder.

#### **31. FRAUDULENT PRACTICES OR USED EQUIPMENT.**

Under no circumstances the bidder shall provide used/repaired/refurbished or defected medical equipment. If such case happened then, the firm concerned will be black listed and earnest money/security deposit will be forfeited.

#### 32. Quality Control.

- a) **Identifying Defects:** If at any time before the security deposit is refunded to the contractor / during defect liability period mentioned in bid data, the Procurement Agency of the work may instruct the contractor to uncover and test any part of the works which he considers may have a defect due to use of unsound materials or unskillful workmanship and the contractor has to carry out a test/repair/exchange at his own cost irrespective of work already approved or paid.
- b) **Correction of Defects:** The contractor shall be bound forthwith to rectify or remove and reconstruct the work so specified in whole or in part, as the case may require. The contractor shall connect the notified defect within the Defects Correction Period mentioned in notice.

#### 33. Warranty

- a) Bidders shall provide 03 years free warranty for the complete system and shall be required to replace / repair any malfunctioning unit/part during warranty period (total year & tear warranty) from the date of installation and further 02 years free service without parts. Additionally assurance for the availability of spare parts for at least 08 to 10 years may also be confirmed by the bidder
  - a. The Contractor shall warrant to the Purchaser that the Goods/Services supplied by the Contractor, under the Contract are genuine, brand new,

non- refurbished, un-altered in any way, of the most recent or current model, imported through proper channel, and incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.

- b. Free installation along with all accessories including labor charges/demonstration at consignee end must be borne by the bidder.
- c. The supplier will be bound to train nominated technical personnel (inland/outland) to operate / repair and maintain the supplied equipment
- d. The firm will be bound to make arrangement for availability of qualified technical staff in hospital/site for prompt execution/coordination of after sale service
- e. The Warranty Period shall start from the date of installation / configuration / deployment of the Goods on site.

#### 34. LIQUIDATED DAMAGES

#### Liquidated damages shall be applicable as under:

= 0.5% of the total cost
= 1.0% of the total cost
= 2.0% of the total cost
=4.0% of the total cost

Note: In case of delay beyond four weeks, JIMS Jacobabad reserves the right to cancel the order and earnest money/performance security will be forfeited.

#### **35. HARDWARE AND SERVICE REQUIREMENTS**

#### Following are the minimum requirements which the bidder/vendor for the equipment:

- a) Vendor must ensure that all equipment/material are in first class working condition and free of any fault affecting its efficiency/quality/life.
- b) At the time of installation, Vendor must provide owner's manuals, manufacturer's data sheets, and a complete equipment list.
- c) At the time of installation, Vendor must provide comprehensive system schematics, labeling etc.

### 36. Force Majeure

- a) 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.
- b) 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.

c) 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.

#### **37.** Completion Period

Bidders/Contractor shall be required to complete all installation and commissioning of the plant for normal operation within 04 to 06 weeks from the date of issuance of award of contract.

#### 38. Post Commissioning Maintenance period

Bidders/Contractor shall be required to complete all installation and commissioning of the plant for normal operation within 04 to 06 weeks from the date of issuance of award of contract.

(Signature of Contractor with Stamp)

Read and Agreed by M/s\_\_\_\_\_.

Name \_\_\_\_\_\_.

Signature with Stamp\_\_\_\_\_\_.

### **CLARIFICATION AND AMENDMENT IN RFP DOCUMENT**

A tendere/bidder requiring any clarification of the Tender Document may so notify to contacts given below in writing or via email.

### **Director JIMS, Jacobabad**

Jacobabad Institute of Medical Sciences (JIMS) Airport Road, Jacobabad (Sindh) Email :<u>jims.jcd@gmail.com</u>

Tel :0722 – 690003-4

#### KNOCKOUT CLAUSES

# **EVALUATION CRITERIA**

The following merit point system for weighing evaluation criteria will be applied for technical proposals.

SR.	CRITERIA	MAX SCORE	ACHIEVED SCORE	REMARKS
1	Original Purchase receipt	5		
2	Earnest money (original in The Financial proposal and Copy without mentioning the amount in The Technical Proposal)	5		
3	Company Profile (including detail of staff, completed projects, company address, email, contact numbers etc.)	10		
4	Bank statement (previous year) showing more than 15.000 million turnover.	15		
5	Copies of supply/work order(s) worth > 5.000million of related items/goods/services etc.	15		
6	Valid NTN & GST Certificates	10		
8	PEC Registration (minimum C-5 cagegory)	10		
	Manufacturer's Authorization	10		
	References of offered model or brand in Pakistan preferable in Sindh.	10		
9	Affidavit/Undertaking regarding that Tenderer has not been black listed by any Government, Semi-Government, &Autonomous Organization.	10		

#### Note:

- a) Please attach documentary evidence(s) in support of your claims in the Technical Proposal.
- b) Bids securing at least 70% points will only be considered for further process (i.e. Financial Proposal).

#### (Signature of Contractor with Stamp)

Name: \_\_\_\_\_

### 39. PURCHASER'S RIGHT TO VARY QUANTITIES AT TIME OF AWARD.

The purchaser reserve the right to increase/decrease or delete the quantities of goods etc at the time of award of contract and also reserve the right to enhance the quantity goods and services originally specified in the schedule of requirements without any change in unit price of other terms and conditions of goods at any time during contract period.

#### 40. UNDERTAKING

- a) That I/We agree whether our tender accepted for total, partial or any single item.
- b) I/We also agreed to supply and accept the said item at the rates for the supply of contracted quantity within the stipulated period shown in the contract.
- c) I/We understand and confirm the refund of cost different if the same good is/was supplied at lower rates to any other Government / Semi Government Institution in the Province in same fiscal year.
- d) I/we undertake that: that If any of the information submitted in accordance to this tender enquiry found incorrect our contract may be cancelled at any stage on our cost and risk.

#### 62. <u>CERTIFICATE</u>

We guarantee to supply the stores exactly in accordance with the requirement specified in the invitation to this tender

Signature & Stamp of Contractor\_\_\_\_\_

Name\_\_\_\_\_

Designation\_\_\_\_\_

Address\_\_\_\_\_

## **Technical Data Sheet**

# **Product Water Quality**

The product water quality is required to meet the standards of NATIONAL STANDARD FOR DRINKING WATER QUALITY (NSDWQ), ISSUED BY Pakistan Environmental Agency in the year 2008. In case of a re-issue/new edition to the referred standard, the bidders/contractor shall be required to make required changes/modifications to the system to make the product water quality complaint to the most recent edition.

# **Product Water Quality**

The water purification plant along with its pre-treatment storage and distribution system shall be appropriately sized to produce the requird amount of product water during 24 hours basis or when need basis and ensure supply to the delivery points.

# **Backwash Water Stream**

The bidders are required to submit disposal mechanism for plant reject water along with proposed channed/piping to water purification plant back wash water to the final disposal area/location.

# **Automation**

The operation of entire Water Purification Plant system must contain devices/auto sensors like start/stop, relief valves, HI/LOW pressure alarms, HI/LOW level as well as safety tripping mechanism for pump drivers.

# **Supply/Distribution piping**

Bidders/contractors shall install supply / distribution piping system for the supply of Water Purification Product water from over head tank to Drinking Water points of Admin Block / OPD / Laboratory, Patient Kitchens, wards, and two points with reserve water tanks at JIMS Allied facility and any other point as indicated by the hospital management (complete installation with piping fitting).

# **Operational Consumables**

Bidders will provide consumables for six (06) months (like Filters cartridges, chemicals and 02 PH Meter and 02 TDS Meter etc.)

### **Plumbing Material**

- All high pressure stainless steel 316L and low pressure UPVC sch-80 food grade imported
- UPVC pipe for laying of drinking water points from the point of Reverse Osmosis plant to Admin block, OPD, IPD wards, Diagnosis area, patient Kitchen, Allied

facility and any other point with reserve tanks of 100 to 200 litters in each section.

Purpose for separate R.O Water over Head Storage Tank of 5000 Gallons.

## **CIVIL &, ELECTRICAL AND PLUMBING WORK REQUIREMENT**

Vender must visit the room for Reverse Osmosis Plant and make feasibility of civil, electric and plumbing work i.e. plate form, drain line electric installation with piping lines etc. with routed/water pumping pump at central point with high grade check wall for pumping the water to mentioned locations.

	TECHNICAL SPECIFICATIONS		
	RECOMMENDED MINIMUM TECHNICAL SPECIFICATION	ONS	
	Imported Components BUT ASSEMB	LED AT	JIMS,
Make	JACOBABAD		
	SUPPLY & INSTALLATION OF REVERSE OSMOSIS		
	PLANT (10,000 GPD) Complete set (if any item is		
Item	missed in specification vendor must quote)	Qty	1
Specification			,

# Drinking Water Reverse Osmosis Unit 10000US GPD)

# Local Assemble, Imported Components

# Feed/ Row Water with TDS of 5000 to 7000 ppm

### **Operating Specification**

Product (Permeate)*	:	25 LPM or more
Reject (Waste)	:	35 LPM or less
Feed Water	:	60 LPM or more
Recovery	:	41 % or more
Salt Rejection	:	99 %
Operating Pressure (3 <sup>rd</sup> Year)	:	160 psi
No. of Membrane (8" x 40")	:	02
Inlet Size	:	1"

# **Specification**

- Multistage Centrifugal Pump
- Stainless Steel Frame
- Stainless Steel 316L Internal Plumbing
- Argon Welding with Purging
- Pump Throttling Valve
- R.O. Membrane 8X40
- Stainless Steel 316L Membrane Housings

- With SS 316L End Caps Flange Type
- 5-Micron Sediment Pre-Filter
- Automatic Feed Water Shut-off Valve
- Concentrate Control Valve
- Concentrate Pressure Gauge
- Low pressure cut-off switch
- Three Phase, 50 Hz Motor
- Permeate Flow Meter
- Concentrate Flow Meter
- Electric Console base on PCB Controlling

#### **PRETREATMENT SYSTEM**

Automatic Multimedia Sand Filter		01	
Vessel Material	:	Fiberglass	
Vessel Size	:	16" x 65"	
Media Volume	:	Silica Sand, Anthracite, Gravels 4 Ft <sup>3</sup>	
Control Valve	:	Automatic	
Pipe Size	:	1"	
Weight	:	150 Kg	
Electrical	:	220 VAC, Single Phase, and 50 Hz	

#### c. Dosing System

a.

01

8.		
Туре	:	Anti scaling
Work	:	Remove Hardness
Valve	:	Automatic
Inlet / Outlet	:	1/4"
Electricity	:	220V

#### d BP-01B

01

**Booster Pump SS with Automatic Pressure Kit** 100 LPM Flow @ 100psi 220 VAC, 50Hz, 2HP

e.	Sediment Jumbo Filter		02	
	Material	:	Polypropylene	
	Size	:	20" x 4"	
	IN / OUT	:	1"	
	Flow	:	12 GPM	

Filter Jumbo Cartridge		02
Material	:	Polypropylene
Size	:	19.75" x 4"
Micron Rating	:	10
Flow	:	12 GPM

#### g. Re-pressurize SS Pump

f.

01

	For Recirculating and Mineralization				
	34 LPM Flow @ 30psi				
	220 VAC, 50Hz, 0.85-HP				
h.	U.V. Filter Water Sterilizer		01		
	Flow	:	5 ~ 10 GPM		
	U.V. Lamp	:	40 watt		
	Dosage	:	50,000 mW Sec / cm <sup>2</sup>		
	Wavelength	:	254 n m		
	Lamp Life	:	10000 Hours		
	Housing Material	:	SS		

i.	<b>R.O. Storage Tank</b>		01	
	Material	:	PVC	
	Capacity	:	1000 Gallons	

:

36"

01

#### j. Booster Pump SS

Size

### For Transfer R.O Water to Over Head Tank

100 LPM Flow @ 70psi

440 VAC, 50Hz, 3-HP

- Automatic operation.
- Automatic liquid non-corrosive high-pressure regulator valve. Pre adjusted at factory. This high-pressure valve can be adjusted to maintain the desired high pressure out of the high- pressure pump,
- High impact liquid filled pressure gauge 2.5" in diameter mounted on a main control panel for better reading and access.

Material:Stainless steelQty:2NosPressure :500 psi

) Low impact liquid filled pressure gauge 2.5" in diameter mounted on a main

control panel for better reading. Material : Stainless steel Qty : 2 Nos Pressure: 100 psi

Unique product water and reject water flow meter panel mounted.

Automatic R/O membrane flushes system. Flush the Reverse Osmosis membranes periodically with raw feed water.

- Thermal over load motor protection.
- Low pressure safety cutout switch.
- Motor starter pre wired motor starter with start delay features for smooth starter
- On line TDS meter. Digital
- Automatic Control panel
- Phase sequence change cut out switch. To protect the motor from reverse running.
- ) Tank full indicator light
- High pressures pump trip indication light.
- High pressures pump indication light.
- Auto manual mode.
- Feed pump running indication light.
- Dozing pump running indication light.
- Voltage indicator.
- Emergency stop switch

Signature and Stamp of bidder

#### Letter of Acceptance

Date:

То:

The Director Jacobabad Institue of Medical Sciences (JIMS), Jacobabad

Dear Sir:

Having examined the bidding documents, the receipt of which is hereby duly acknowledged, we, the undersigned, offer to supply and deliver the required item in conformity with the said bidding documents for the sum of *[total bid amount in words and figures]* or such other sums as may be ascertained in accordance with the Schedule of Prices attached herewith and made part of this Bid.

We undertake, if our Bid is accepted, to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements.

If our Bid is accepted, we will obtain the CDR/Pay order a sum equivalent to Five (5) percent of the Contract Price/Pay order for the due performance of the Contract, in the form prescribed by the Purchaser.

We agree to abide by this Bid for a period of 15 days from the date fixed for Bid opening under Clause 5 of the Instructions to Bidders, and it shall remain binding upon us and may be accepted at any time before the expiration of that period.

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your notification of award, shall constitute a binding Contract between us.

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

Dated this	day	of	2019
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[signature]

[in the capacity of]

Duly authorized to sign Bid for and on behalf of \_\_\_\_\_

# Experience of Similar Supply and Installation

S. No	Assignment Description	Name /Contact Details of Client	Cost	Start Date	End Date	Remarks

# (On stamp of 100 with 0.3% stamp duty) for successful bidder

### Contract Form

THIS AGREEMENT made the \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_ between *Director JIMS, Jacobabad.* (hereinafter called "the Procuring agency") of the one part and [name of Supplier] of [city and country of Supplier] (hereinafter called "the Supplier") of the other part:

WHEREAS the Procuring agency invited bids for certain goods and ancillary services, viz., **Supply & Installation of Reverse Osmosis Plant (10,000 GPD) & drinking points from water Filtration Plant For The Financial Year 2018-19**. And has accepted a bid by the Supplier for the supply of those goods and services in the sum of *[contract price in words and figures]* (hereinafter called "the Contract Price").

#### NOW THIS AGREEMENT WITNESSED AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.

2. The following documents shall be deemed to form and be read and construed as part of this Agreement, viz.:

- (a) the Bid Form and the Price Schedule submitted by the Bidder;
- (b) the Schedule of Requirements;
- (c) the Technical Specifications.
- (d) the General Conditions of Contract;
- (e) the Special Conditions of Contract; and
- (f) the Procuring agency's Notification of Award.

3. In consideration of the payments to be made by the Procuring agency to the Supplier as hereinafter mentioned, the Supplier hereby covenants with the Procuring agency to provide the goods and services and to remedy defects therein in conformity in all respects with the provisions of the Contract

4. The Procuring agency hereby covenants to pay the Supplier in consideration of the provision of the goods and services and the remedying of defects therein, the Contract Price or such other sum as may become payable under the provisions of the contract at the times and in the manner prescribed by the contract.

INWITNESS whereof the parties here to have caused this Agreement to be executed in accordance with their respective laws the day and year first above written.

Signed, sealed, delivered by _	the	_ (for	the	Procuring
agency)				

Signed, sealed, delivered by \_\_\_\_\_\_ the \_\_\_\_\_ (for the Supplier)

### Manufacturer's Authorization Form (on company letterhead)

То:

The Director Jacobabad Institute of Medical Sciences (JIMS), Jacobabad

WHEREAS [name of the Manufacturer] who are established and reputable manufacturers of [name and/or description of the goods] having factories at [address of factory]

Do hereby authorize [name and address of Agent] to submit a bid, and subsequently sign the Contract with you against NIT No. [reference of the Invitation to Bid] for the above goods manufactured by us.

We hereby extend our full guarantee and warranty as per Clause 44 of the General Conditions of Contract for the goods offered for supply by the above firm against this Invitation for Bids.

[signature for and on behalf of Manufacturer]

*Note:* This letter of authority should be on the letterhead of the Manufacturer and should be signed by a person competent and having the power of attorney to bind the Manufacturer. It should be included by the Bidder in its bid.