

BIDDING DOCUMENT

(TENDER DOCUMENT)



**PROJECT MANAGEMENT UNIT
PRIMARY & SECONDARY HEALTHCARE
DEPARTMENT
GOVERNMENT OF THE PUNJAB
31-E/1 SHAHRA E IMAM HUSSAIN
GULBERG III, LAHORE**

REFERENCE NO. P&SHD/PMU/RO/2021/03/30

TENDER NOTICE

SUPPLY, INSTALLATION AND COMMISSIONING OF REVERSE OSMOSIS (RO) PLANT FOR OPERATIONS & MANAGEMENT OF LAUNDRY SERVICES IN DHQ / THQ HOSPITALS OF THE PUNJAB

REFERENCE NO. P&SHD/PMU/RO/2021/03/30

The Project Management Unit (PMU), Primary & Secondary Healthcare Department (P&SHD) invites sealed Bids from eligible bidders for **Supply, Installation and Commissioning of Reverse Osmosis (Ro) Plant for Operations & Management of Laundry Services in DHQ / THQ Hospitals of the Punjab.**

1. A complete set of Document containing detail of terms & conditions / Packages and scope of services is readily available and can be downloaded from the websites (www.ppra.punjab.gov.pk) & (www.pshealth.punjab.gov.pk) or from the office of the undersigned.
2. Tender is required to be submitted by interested Bidders on before **April 29, 2021 till 11:00 hours** in the office of the Project Management Unit, 31/E-1 Shahrah-e-Imam Hussain, Gulberg III, Lahore. In case of official holiday on the day of submission of Bid, next day will be treated as submission date. The Bids received till the stipulated date and time shall be opened on same day at **1130 hours** in the presence of the representative of the Bidders who choose to attend. Late bids shall not be entertained.

Note: The Procurement shall be conducted as per Punjab Procurement Rules 2014.

PROJECT DIRECTOR

PROJECT MANAGEMENT UNIT

31-E/1, Shahrah-e-Imam Hussain, Gulberg-III, Lahore

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**Primary & Secondary
Healthcare Department**

TENDER NOTICE

SUPPLY, INSTALLATION AND COMMISSIONING OF REVERSE OSMOSIS (RO) PLANT FOR OPERATIONS & MANAGEMENT OF LAUNDRY SERVICES IN DHQ / THQ HOSPITALS OF THE PUNJAB

REFERENCE NO. P&SHD/PMU/RO/2021/03/301

The Project Management Unit (PMU), Primary & Secondary, Healthcare Department (P&SHD) invites sealed Bids from eligible bidders for Supply, Installation and Commissioning of Reverse Osmosis (RO) Plant for Operations & Management of Laundry Services in DHQ / THQ Hospitals of the Punjab.

1. A complete set of Document containing details of Terms & conditions / Packages and scope of services is readily available and can be downloaded from the websites (www.pps.punjab.gov.pk) & (www.sahabiburhan.gov.pk) or from the office of the undersigned.
2. Tender is required to be submitted by interested bidders on before April 28, 2021 at 11:00 hours in the office of the Project Management Unit (31-E/1, Shahraz-e-Dinam Hussain, Gulberg III, Lahore). In case of official holiday on the day of submission of bid, next day will be treated as submission date. The bids received up to the stipulated date and time shall be opened on same day at 11:30 hours in the presence of the representatives of the Bidders who choose to attend. Late bids shall not be entertained.

Note: The Procurement shall be conducted as per Punjab Procurement Rules 2014.

PROJECT DIRECTOR
PROJECT MANAGEMENT UNIT
31-E/1, Shahraz-e-Dinam Hussain, Gulberg-III, Lahore
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WEDNESDAY, APRIL 14, 2021

 Primary & Secondary
Healthcare Department

TENDER NOTICE

**SUPPLY, INSTALLATION AND COMMISSIONING OF
REVERSE OSMOSIS (RO) PLANT FOR OPERATIONS
& MANAGEMENT OF LAUNDRY SERVICES IN DHQ /
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REFERENCE NO. P&SHD/PMU/RO/2021/03/30

The Project Management Unit (PMU), Primary & Secondary Healthcare Department (P&SHD) invites sealed Bids from eligible bidders for Supply, Installation and Commissioning of Reverse Osmosis (RO) Plant for Operations & Management of Laundry Services in DHQ /THQ Hospitals of the Punjab.

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2. Tender is required to be submitted by interested Bidders on before April 29, 2021 till 11:00 hours in the office of the Project Management Unit, 31/E-1 Shahrah-e-Imam Hussain, Gulberg III, Lahore. In case of official holiday on the day of submission of Bid, next day will be treated as submission date. The Bids received till the stipulated date and time shall be opened on same day at 1130 hours in the presence of the representative of the Bidders who choose to attend. Late bids shall not be entertained.

Note: The Procurement shall be conducted as per Punjab Procurement Rules 2014.

IPL-3393

PROJECT DIRECTOR
PROJECT MANAGEMENT UNIT
31-E/1, Shahrah-e-Imam Hussain, Gulberg-III, Lahore
E-mail: outsourcing.pmu@gmail.com
Tel: 042-99231203

A. Instructions to Bidders (ITB)

General Instructions:

1. Content of Bidding Document

1.1 The goods required, bidding procedures, and Contract terms are prescribed in the Bidding Documents. In addition to the Invitation for Bids, the bidding documents include:

- (a) Instructions to Bidders (ITB);
- (b) General Conditions of Contract (GCC);
- (c) Special Conditions of Contract (SCC);
- (d) Schedule of Requirements;
- (e) Technical Specifications;
- (f) Contract Form;
- (g) Manufacturer's Authorization Form;
- (h) Performance guarantee Form;
- (i) Bid Form; and
- (j) Price Schedule

1.2 The "Invitation for Bids" does not form part of the Bidding Documents and is included as a reference only. In case of discrepancies between the Invitation for Bid and the Bidding Documents listed in 1.1 said, Bidding Documents shall take precedence.

1.3 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 shall be at the Bidder's risk and may result in the rejection of its bid.

2. Source of Funds

2.1 Government of Punjab.

3. Eligible Bidders

3.1 This Invitation for Bids is open to all original Manufacturers/authorized sole Agents of Foreign/ Local manufacturers in Pakistan for supply of goods. However sole proprietors are not eligible to apply. The companies shall be duly registered with registrar of firms or SECP.

3.2 The bidder must possess valid legal enforceable exclusive authorization from the Foreign/Local Manufacturer; they should have a documentary proof to the effect that they are the original Manufacturer of the required goods. In case of local assembly and imported parts, proof of imported shall be furnished.

3.3 Bidders should not be under a declaration of ineligibility for corrupt and fraudulent practices issued by any Government (Federal, Provincial), a local body or a public sector organization.

4. Eligible Goods and Services

4.1 To be quoted for any item but that should be part of this tender against which bids are being called by the department.

4.2 For the purpose of this clause, (a) the term "Goods" includes any Goods that are the subject of this Invitation for Bids and (b) the term "Services" includes related services such as transportation, insurance, after sale service, spare parts availability, etc. For purposes of this clause, "origin" means the place where the goods are mined, grown, or produced, or the place from which the related services are supplied. In case of the "manufacturer" the "origin" means the firm is based and registered in that country and registered with their stock exchange. Goods are produced when, through manufacturing or processing, or substantial and major assembly of components, a commercially recognized product is

produced that is substantially different in basic characteristics or in purpose or utility from its components.

5. Cost of Bidding

5.1 The Bidder shall bear all costs associated with the preparation and submission of its bid, and the Procuring Agency shall in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

6. Clarification of Bidding Documents

6.1 A prospective Bidder requiring any clarification of the bidding documents may notify the Procuring Agency in writing at the Procuring Agency's address indicated in the Invitation for Bids.

The Procuring Agency shall respond in writing to **any request for clarification of the bidding documents, which it receives not later than ten (10) days** prior to the deadline for the submission of bids prescribed in the Invitation for Bids. Written copies of the Procuring Agency's response (including an explanation of the query but without identifying the source of inquiry) shall be sent to all prospective Bidders that have received the bidding documents.

7. Amendment of Bidding Documents

7.1 At any time prior to the deadline for submission of bids, the Procuring Agency, for any reason, whether at its own initiative or in response to a clarification requested by a prospective 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 shall be binding on them.

7.3 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.

8. Qualification and Disqualification of Bidders

8.1 In the absence of prequalification, the Procuring Agency shall 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 29.2.

8.2 The determination shall take into account the Bidder's financial, technical or production capabilities (in case of manufacturer), infrastructure of the firm, past performance in similar contracts, engineering staff and their capabilities, inventory of spare parts, repair and calibration tools, workshop facilities to provide the after sales services. It shall be based upon an examination of the documentary evidence of the Bidder's qualifications submitted by the Bidder, pursuant to ITB Clause 29.2, as well as such other information/ premises visit as the Procuring Agency deems necessary and appropriate.

8.3 An affirmative determination shall be a pre-requisite for Award of the Contract to the Bidder. A negative determination shall result in rejection of the Bidder's bid, in which event the

Procuring Agency shall proceed to the next lowest evaluated bid to make a similar determination of that Bidder's capabilities to perform satisfactorily.

8.4 The Procuring Agency, at any stage of the procurement proceedings, having credible reasons for or prima facie evidence of any defect in Supplier's capacities may require the Suppliers to provide information concerning their professional, technical, financial, legal or managerial competence.

8.5 The Procuring Agency shall disqualify a Bidder if it finds, at any time, that the information submitted by him concerning his disclaimer as Supplier was false and materially inaccurate or incomplete.

8.6 Bidders that are found to consistently fail to provide satisfactory performances or are found to be indulging in corrupt or fraudulent practices shall be black listed.

9. Corrupt or Fraudulent Practices

9.1 The Procuring Agency requires that all Bidders/ Suppliers/ Contractors observe the highest standard of ethics during the procurement and execution of such Contracts. In pursuance of rule 2 (P) of PPRA 2014 and its subsequent amendments, if any, the Procuring Agency:

a. defines, for the purposes of this provision, the terms set forth below as follows:

(i) **Coercive practice** by impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of the party to influence the actions of a party to achieve a wrongful gain or to cause a wrongful loss to another party;

(ii) **Collusive practice** by arrangement between two or more parties to the procurement process or contract execution, designed to achieve with or without the knowledge of the procuring agency to establish prices at artificial, noncompetitive levels for any wrongful gain;

(iii) **Corrupt practice** by offering, giving, receiving or soliciting, directly or indirectly, of anything of value to influence the acts of another party for wrongful gain;

(iv) **Fraudulent practice** by any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;

(v) **Obstructive practice** by harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in a procurement process, or affect the execution of a contract or deliberately destroying, falsifying, altering or concealing of evidence material to the investigation or making false statements before investigators in order to materially impede an investigation into allegations of a corrupt, fraudulent, coercive or collusive practice; or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the investigation or from pursuing the investigation, or acts intended to materially impede the exercise of inspection and audit rights.

b. shall 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; shall declare a firm ineligible, either indefinitely or for a stated period of time, to be awarded a Contract if it at any time determines that the firm has engaged in corrupt or fraudulent practices in competing for, or in executing, a Contract.

10. Preparation of Bids

10.1. Language of Bid

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.

11. Documents Comprising the Bid

11.1. The bid prepared by the Bidder shall comprise the following components:

- (a) A Bid Form and Price Schedule completed in accordance with ITB Clauses 12 and 13 (to be submitted along with financial proposal);
- (b) Documentary evidence established in accordance with ITB Clause 15 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 15 that the goods to be supplied by the Bidder are eligible goods and conform to the bidding documents.

12. Bid Form and Price Schedule

12.1 The Bidder shall complete the Bid Form and an appropriate Price Schedule furnished in the bidding documents (Annexure A Form), indicating the goods to be supplied, a brief

description of the goods, specifications, taxes, quantity, prices, make, model, country of origin, country of manufacturer and port shipment.

13. Bid Prices

13.1 The Bidder shall indicate on the Price Schedule the unit prices and total Package Price of the goods, it proposes to supply under the Contract.

13.2 Form for Price Schedule is to be filled in very carefully, and should be typed. Any alteration/ correction must be initialed. Every page is to be signed and stamped at the bottom. Serial number/ bid number of the quoted item may be marked or highlighted with red/yellow marker.

13.3 The Bidder should quote the prices of goods according to the technical specifications for complete package/Tender. The specifications of goods, different from the demand of enquiry and packaged items, shall straightway be rejected.

13.4 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.

13.5 Prices offered should be for complete package/Tender with accessories; detail of which is already mentioned in the technical specifications.

13.6 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 for increase in price due to market fluctuation in the cost of goods and services shall be entertained after the bid has been submitted.

14. Bid Currencies

14.1 In case of C&F tender, the Prices shall be quoted in \$, £, €, ¥ and CHF.

14.2 State Bank of Pakistan's foreign currency selling rate will be considered from the date of opening of Financial Bid for comparison purposes.

14.3 The price for complete item, standard accessories; detail of which is already mentioned in the technical specifications will be considered for determining the lowest bidder. Optional items are mandatory to quote but will not be considered while determining the lowest bidder.

14.4 The firms are required to quote DDP prices for the subject procurement of RO plants.

15. Documents Establishing Bidder's Eligibility and Qualification

15.1 The Bidder shall furnish, as part of its technical bid, documents establishing the Bidder's eligibility to bid and its qualifications to perform the Contract if its bid is accepted.

15.2 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 an eligible as defined under ITB Clause 3.

15.3 The documentary evidence to be submitted in the Technical Proposal for the purposes of qualification and technical evaluation shall include:

- (a) The Supplier/ agent shall have to produce Exclusive letter of authorization / Sole Agency Certificate from Manufacturer and in case of Manufacturer for the procurement of CBU unit (CBU-Completely Built UP), however for CKD units (Completely Knocked Down) the prospective bidder will have to furnish proof of imported parts and ensure local assembly to ensure product conformance to the advertised specifications along with documentary proof to the effect that they are the original Manufacturer of the required goods.
- (b) National Tax Number (NTN) and General Sales Tax Number with documentary proof shall have to be provided by the bidder(s).
- (c) The Bidder is required to provide with the technical proposal the name of item(s), tender number and serial number in the exact manner as quoted in the financial proposals.
- (d) The Bidder must indicate the country of origin of the goods, Country of manufacturer, Certificate(s) for conformity with International standards of Quality.

16. Documents Establishing Goods' Eligibility and Conformity to Bidding Documents

16.1 Pursuant to ITB Clause 11, the Bidder shall furnish along with technical proposal, as part of its bid, documents establishing the eligibility and conformity to the bidding documents of all goods, which the Bidder proposes to supply under the Contract.

16.2 The documentary evidence of the eligibility of the goods shall consist of a statement in the Price Schedule of the country of origin of the goods offered.

16.3 Samples of local origin & imported items which will be technically responsive must be submitted within 3 days after announcing of technical evaluation report.

16.4 Submission of Original Purchase Receipt of tender, if any.

16.5 Alternative bid is not allowed also a bidder cannot submit two bids. If the bidder quotes an alternative bid or submit two bids then the bidder will be considered as non-responsive.

17. Bid Security

17.1 Bid Security is as per mentioned in the technical specification sheet;

17.3 As a part of Technical Bid envelop, failing which will cause rejection of bid;

17.4 in the form of Demand Draft / Pay Order / Call Deposit Receipt / Bank Guarantee (issued by a scheduled bank operating in Pakistan in Pak Rs. or in any other currency like \$, £, € as per the format provided in the Tender Document) in the name of the Purchaser;

17.5 Have a minimum validity period of ninety (90) days from the last date for submission of the tender or until furnishing of the Performance Security, whichever is later.

17.6 The Bid Security shall be forfeited by the Purchaser, on the occurrence of any / all of the following conditions:

17.6.1 If the Tenderer withdraws the Tender during the period of the Tender validity specified by the Tenderer on the Tender Form; or

17.6.2 If the Tenderer does not accept the corrections of his Total Tender Price; or

17.6.3 If the Tenderer, having been notified of the acceptance of the Tender by the Purchaser during the period of the Tender validity, fails or refuses to furnish the Performance Security, in accordance with the Tender Document.

17.7 The Bid security shall be returned to the technically unsuccessful Tenderer with unopened/sealed financial bid while the unsuccessful bidders of financial bid opening procedure will be returned the Bid Security only. The Bid Security shall be returned to the successful Tenderer upon furnishing of the Performance Security

18. Bid Validity

18.1 Bids shall remain valid for a period of 90 days after opening of Technical Bid prescribed by the Procuring Agency. A bid valid for a shorter period shall be rejected by the Procuring Agency as non-responsive.

18.2 Note: The validity of this tender will remain for one year from the issuance of the Notification of this tender.

18.3 The Procuring Agency shall ordinarily be under an obligation to process and evaluate the bid within the stipulated bid validity period. However, under exceptional circumstances and for reasons to be recorded in writing, if an 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 the period equal to the period of the original bid validity. Such extension shall not be for more than the period equal to the period of the original bid validity.

18.4 Bidders who,

(a) agree to the Procuring Agency's request for extension of bid validity period shall not be permitted to change the substance of their bids; and

(b) do not agree to an extension of the bid validity period shall be allowed to withdraw their bids, if any.

Submission of Bids

19. Format and Signing of Bid

19.1 The bid shall be typed and shall be signed by the Bidder or Lead Bidder (in case of tender with the permission of alliance/ Joint venture for the bidding of complete package i.e. more than one equipment in a single tender) or a person or persons duly authorized to bind the Bidder to the Contract. The person or persons signing the bid shall initial all pages of the bid.

19.2 Any interlineations, erasures, or overwriting shall be valid only if they are initialed by the person or persons signing the bid.

19.3 All bidding documents to be duly attested (signed and stamped) by the authorized person of bidder or Lead Bidder.

20. Sealing and Marking of Bids

20.1 The envelopes shall be marked as “FINANCIAL PROPOSAL” and “TECHNICAL PROPOSAL” in bold and legible letters to avoid confusion. The envelopes shall then be sealed in an outer envelope. It should contain the package name and its number.

20.2 The inner and outer envelopes shall:

- a) be addressed to the Procuring Agency at the address given in the Invitation for Bids; and
- b) bear the Institution/Hospital name and number indicated in the Invitation for Bids, and shall be inscribed by the following sentence: “DO NOT OPEN BEFORE,” to be completed with the time and the date specified in the Invitation For Bid.

20.3 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 as non-responsive or late.

20.4 If the outer as well as inner envelope is not sealed and marked properly, the Procuring

Agency shall assume no responsibility for the bid’s misplacement or premature opening.

21. Deadline for Submission of Bids

21.1 Bids must be submitted by the Bidder and received by the Procuring Agency at the address specified under ITB Clause 19.1 not later than the time and date specified in the Invitation for Bids.

21.2 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 deadline shall thereafter be subject to the deadline as extended.

22. Late Bid

22.1 Any bid received by the Procuring Agency after the deadline for submission of bids prescribed by the Procuring Agency pursuant to ITB Clause 21 shall be rejected and returned unopened to the Bidder.

23. Withdrawal of Bids

23.1 The Bidder may withdraw its bid prior to the deadline specified in the invitation to bid.

23.2 No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified in ITB Clause 18.2. Withdrawal of a bid during this interval will make the bidder eligible to be debarred for further procurements for a period as deemed necessary by the Procuring Agency.

The Bidding Procedure

24. Single stage – two envelopes bidding procedure

24.1 Single stage – two envelopes bidding procedure shall be applied:

- (i) The bid shall comprise a single package containing two separate envelopes. Each envelope shall contain separately the financial proposal and the technical proposal;
- (ii) the envelopes shall be marked as “FINANCIAL PROPOSAL” and “TECHNICAL PROPOSAL” in bold and legible letters to avoid confusion;
- (iii) initially, only the envelope marked “TECHNICAL PROPOSAL” shall be opened;
- (iv) The envelope marked as “FINANCIAL PROPOSAL” shall be retained in the custody of the Procuring Agency, without being opened. The firm may submit the Financial Proposal individually for each item in separate envelope marked with name of the item;

- (v) the Procuring Agency shall evaluate the technical proposal, without reference to the price and reject any proposal which do not conform to the specified requirements;
- (vi) during the technical evaluation no amendments in the technical proposal shall be permitted;
- (vii) the financial proposals of bids shall be opened publicly at a time, date and venue to be announced and communicated to the Bidders in advance;
- (viii) After the evaluation and approval of the technical proposal, the Procuring Agency shall at a time within the bid validity period, publicly open the financial proposals of the technically accepted bids only. The financial proposal of bids found technically non-responsive shall be returned un-opened to the respective Bidders; and
- (ix) The bid found to be the lowest evaluated bid shall be accepted which will be declared on the basis of Unit excluding Civil Component.
- (x) The procuring agency may adopt any other bidding procedure depending on the nature of procurement / Type of Goods / Equipment to be procured as per the methods of procurement prescribed in PPRA 2014 and its subsequent amendments, if any.

Opening and Evaluation of Bids

25. Opening of Bids by the Procuring Agency

25.1 The Procuring Agency shall initially open only the envelopes marked "TECHNICAL PROPOSAL" in the presence of Bidders' representatives who choose to attend, at the time, on the date, and at the place specified in the Invitation for Bids. The Bidders' representatives who are present shall sign the Attendance Sheet as evidence of their attendance. However, the envelope marked as "FINANCIAL PROPOSAL" shall remain unopened and be retained in safe custody of the Procuring Agency till completion of the evaluation process.

25.2 The Bidders' names, item(s) for which they quoted their rate and such other details as the Procuring Agency, at its discretion, may consider appropriate, shall be announced at the opening of technical proposal. No bid shall be rejected at technical proposal/ bid opening, except for late bids, which shall be returned unopened to the Bidder pursuant to ITB Clause 21. However, at the opening financial proposals (the date, time and venue would be announced later on), the bid prices, discounts (if any), and the presence or absence of requisite bid Security and such other details as the Procuring Agency, at its discretion, may consider appropriate, shall be announced.

25.3 The Procuring Agency shall prepare minutes of both the technical proposal as well as the financial proposal bid opening.

26. Clarification of Bids

26.1 During evaluation of the bids, the Procuring Agency may, at its discretion, ask the Bidder for a clarification of its bid. The request for clarification and the response shall be in writing, and no change in the prices or substance of bid like indication or re-indication of make/model/brand etc. shall be sought, offered, or permitted.

27. Preliminary Examination

27.1 The Procuring Agency shall examine the bids to determine whether they are complete, whether any computational errors have been made (at the time of opening the financial proposal), whether required sureties have been furnished, whether the documents have been properly signed, and whether the bids are generally in order.

27.2 In the financial bids (at the time of opening the financial proposal) the arithmetical errors shall 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 unit price and quantity, the unit price shall prevail, and the total price shall be corrected. If the Bidders/Suppliers do not accept the correction of the errors, its bid shall be rejected. If there is a discrepancy between words and figures, the amount in words shall prevail.

27.3 The Procuring Agency may waive any minor informality, nonconformity, or irregularity in a bid which does not constitute a material deviation (or changes the substance of the bid), provided such waiver does not prejudice or affect the relative ranking of any Bidder.

27.4 Prior to the detailed evaluation, pursuant to ITB Clause 27 the Procuring Agency shall 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 shall be deemed to be a material deviation for technical proposals. The Procuring Agency's determination of a bid's responsiveness is to be based on the contents of the bid itself without recourse to extrinsic evidence.

27.5 If a bid is not substantially responsive, it shall be rejected by the Procuring Agency and may not subsequently be made responsive by the Bidder by correction of the nonconformity.

28. Evaluation and Comparison of Bids

28.1 The Procuring Agency shall evaluate and compare the bids on the basis of Single items/ Complete package (As demanded in the advertised tender), which have been determined to be substantially responsive, pursuant to ITB Clause 25.

28.2 The Procuring Agency's evaluation of technical proposal/ bid shall be on the basis of Technical Knocked Down Criteria and previous performances of quoted product/model.

28.3 All bids shall be evaluated in accordance with the evaluation criteria (ITB Clause 29) and other terms and conditions set forth in these bidding documents.

28.4 In case of procurement on C&F basis; for the purpose of comparison of bids quoted in different currencies, the price shall be converted into Pak Rupees in pursuant to ITB Clause 13. The rate of exchange shall be the selling rate, prevailing on the date of opening of Financial Bids specified in the bidding documents, as notified by the State Bank of Pakistan on that day.

28.5 A bid once opened in accordance with the prescribed procedure shall be subject to only those rules, regulations and policies that are in force at the time of issue of notice for invitation of bids.

29. Evaluation Criteria

29.1 For the purposes of determining the lowest evaluated bid, factors other than price such as previous performances and such other details as the Procuring Agency at its discretion, may consider appropriate shall be taken into consideration and these should be available with the bidder. The following evaluation factors/ criteria will be employed on **technical proposals**.

29.2 Technical Evaluation Criteria

Technical Evaluation Criteria

1. For evaluation of bids **KNOCKED DOWN CRITERIA** will be applied. The bids conforming to the specifications and pre-requisite conditions indicated in specifications and evaluation criteria will be considered for further technical evaluation.
2. The technical evaluation of tenders will be carried out by the designated Technical Evaluation Committee of Procuring Agency.
3. The bid must comply with the advertised technical specifications of the quoted item. Incomplete offer will straightaway be rejected.
4. The bidder must possess Exclusive/Sole authorization agreement from the Foreign Manufacturer for CBU units and parts authorization for CKD units.
5. Certificate from the manufacturer that the after sales services / backup services shall be provided by the local sole agent and in case of change of local agent, they will provide the after sales services themselves or through newly appointed agent for the period mentioned from the date of commissioning.

6. A Certificate from the manufacturer (local or foreign) that the installation will be conducted in conformity with the system requirements by following the professional approach under their supervision.
7. The quoted model of product shall be available on the current official website of the manufacturer in case of a CBU unit; however for CKD unit complete information of the local assembly shall be furnished.
8. The firms shall also declare the make, model, country of origin of all accessories to be provided with the equipment.
9. The firm must provide reference of supply of quoted item in Government/private sector, with in the quoted bid
10. The offer will be considered as responsive if it fully meets the tender requirement and specifications. The offer which will not be as per requirement of tender and specifications is to be declared as non-responsive. The offer which contains the minor deviations from the specifications and the deviations would not have any kind of effect on the quality, efficiency, reliability and durability of products will be declared as substantially responsive, This need to be determined by the Technical Evaluation Committee. The offers which are declared as Responsive and Substantially Responsive will be considered as equivalent for the onward proceedings of tender.

29.2.1 Bidders are required to submit the information in the following format along with documentary evidence as under.

29.2.2 Profile of the Bidder

The Bidders are required to submit its profile.

a) Bid Security (if applicable)

#	Particulars	Please furnish details
1.	Name of the Bank	
2.	CDR / Bank Guarantee	
3.	Date	
4.	Amount	

Note: Please attach the Bid Security with Financial Offer (original) and a copy with Technical Offer.

29.3 Financial proposals would be evaluated as follows:

- i) After technical evaluation is completed, the Procuring Agency shall notify the date, time and location for opening of the financial proposals. Bidders' attendance at the opening of financial proposals is optional.
- ii) Financial proposals shall be opened publicly in the presence of the bidders' representatives who choose to attend. The name of the bidders shall be read aloud. The financial proposal of the technically responsive bidders shall then be inspected to confirm that they have remained sealed and unopened (financial proposals of technically non-responsive Bidders shall be returned unopened). These financial proposals shall be then opened, and the total prices read aloud and recorded.
- iii) Incomplete bid shall stand rejected. All items described in the technical proposal must be priced in financial proposal. Items described in the technical proposal but not priced, shall be assumed to be included in the price of other items.
- iv) Minor oversight, clerical mistakes, other minor inconsistencies that do not alter the substances of the financial bid may be corrected by the Procuring Agency. When correcting computation error in case of

discrepancy between a partial amount and the total amount or between the words and figures, the formers will prevail.

- v) The bidders will quote the Price Schedules. The total price of the system will be calculated by converting the price to single currency (Pak Rs.) on the rate of date of opening of Financial Proposal; in case of import of item.
- vi) The lowest responsible bidder will be declared with standard accessories. The price of optional items will not be considered while establishing the lowest bid.

30. Contacting the Procuring Agency

30.1 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.

30.2 Any effort by a Bidder to influence the Procuring Agency in its decisions on bid evaluation, bid comparison, or Contract Award will result in the rejection of the Bidder's bid and subsequent black listing. Canvassing by any Bidder at any stage of the Tender evaluation is strictly prohibited.

31. Rejection of Bids

31.1 The Procuring Agency may reject any or all bids at any time prior to the acceptance of a bid. The Procuring Agency shall upon request communicate to any Bidder who submitted a bid, the grounds for its rejection of any or all bids, but is not required to justify those grounds.

31.2 The Procuring Agency incurs no liability, solely by virtue of its invoking Clause 30.1 towards Bidders who have submitted bids.

31.3 Notice of the rejection of any or all bids shall be given promptly to the concerned Bidders that submitted bids.

31.4 The items contained in the tender / package should be bid in total and technical rejection of any item not complying with the technical specifications may lead to the rejection of complete package/Tender.

32. Re-Bidding

32.1 If the Procuring Agency rejects all bids in pursuant to ITB Clause 31, it may call for a re-bidding or if deems necessary and appropriate the Procuring Agency may seek any alternative methods of procurement.

32.2 The Procuring Agency before invitation for re-bidding shall assess the reasons for rejection and may revise specifications, evaluation criteria or any other condition for Bidders, as it may deem necessary.

33. Announcement of Evaluation Report

33.1 The Procuring Agency shall announce the results of bid evaluation of a report giving justification for acceptance or rejection of bids at least (10) ten days prior to the award of procurement Contract.

Award of Contract

34. Acceptance of Bid and Award criteria

34.1 The Bidder with technically evaluated lowest financial bid, if not in conflict with any other law, rules & regulations, policy of the Government or having less Bid Security shall be awarded the Contract, within the original or extended period of bid validity for complete package/Tender.

34.2 The Bidder having lesser Bid Security will be rejected as non-responsive and Acceptance of Bid be awarded to next bidder; being the responsive lowest bidder.

35. Procuring Agency's right to vary quantities at time of Award

35.1 The Procuring Agency reserves the right at the time of Contract award to increase the quantity of goods originally specified in the Price Schedule and Schedule of Requirements without any change in unit price or other terms and conditions.

36 Limitations on Negotiations

36.1 Save as otherwise provided there shall be no negotiations with the bidder having submitted the lowest evaluated bid or with any other bidder: provided that the extent of the negotiation permissible shall be subject to the regulations issued by the PPRA 2014 and its subsequent amendments, if any.

37. Notification of Award

Prior to the expiration of the period of bid validity, the Procuring Agency shall

37.1 notify the successful Bidder in writing by registered letter that its bid has been accepted.

37.2 The notification of Award shall constitute the formation of the Contract.

38. Signing of Contract

38.1 At the same time as the Procuring Agency notifies the successful Bidder that its bid has been accepted, the Procuring Agency shall send the Bidder the Contract Form provided in the bidding documents, incorporating all agreements between the Parties.

38.2 Within one week of receipt of the Contract Form, both the successful Bidder and the Procuring Agency shall sign and date the Contract. The Procuring Agency shall issue Purchase Order on the same date of signing of Contract after ensuring the submission of Bank Security for execution of the contract by the Contractor. If the successful Bidder, after completion of all codal formalities shows inability to sign the Contract then their Bid Security/ Contract Security to the extent of proportionate percentage shall be forfeited and the firm shall be blacklisted minimum for three years for future participation. In such situation the Procuring Agency may make the Award to the next lowest evaluated Bidder or call for re-bidding.

38.3 The contract is to be made on stamp paper worth of Rs. @ 25 paisa per every one hundred rupees of the total value of the contract, under section 22(A)(B) of schedule 1 of Stamp Duty Act 1899 read with Finance Act 1995 (Act-VI of 1995) Notification No.JAW/HD/8-21/77 (PG) dated 1st January, 2014.

38.4 This Contract will be signed jointly by the manufacturer, its agent in Pakistan and the Procuring Agency.

39. Performance Guarantee

39.1 On the date of signing of the Contract, the successful Bidder shall furnish the Performance Guarantee/Security in accordance with the Special Conditions of Contract, in the Performance Guarantee/Security Form. The Performance Guarantee will be 5% of the contract amount. The performance security shall be deposited in the shape **of irrevocable Bank Guarantee/CDR only.**

39.2 Failure of the successful Bidder to comply with the requirement of ITB Clause 37 or ITB Clause 38.1 shall constitute sufficient grounds for the annulment of the Award, in which event the Procuring Agency may make the Award to the next lowest evaluated Bidder or call for re-bidding.

40. Schedule of Requirement

40.1 The supplies shall be delivered/ shipped within 15 days w.e.f the next date after the date of issue of Purchase Order (without penalty) / opening of LC, and with prescribed penalty, as per following schedule of requirement:

Mode of penalty	Shipping/Delivery Period
Without Penalty	15 Days (Grace period 07 days in case of DDP)

40.2 However, in special cases, delivery period can be fixed shorter or higher than the above

mentioned schedule of requirement as deem appropriate by the Procuring Agency keeping in view the quantity of the items.

40.3 In case of late delivery of goods beyond the periods specified in the Schedule of Requirements, penalty @ 0.1% per day of the cost not exceeding 10% of the purchase order/contract value for late delivered supply shall be imposed upon the Supplier.

40.4 In case of DDP the delivery period will be started from the date of issuance of Purchase order to the Contractor and in the case of C&F it will be from the date of establishment of LC by the Bank in favor of manufacturer/Beneficiary.

41. Redressal of grievances by the Procuring Agency

41.1 The Procuring Agency shall constitute a committee comprising of odd number of persons, with proper powers and authorizations, to address the complaints of bidders that may occur prior to the entry into force of the procurement contract.

41.2 Any bidder feeling aggrieved by any act of the Procuring Agency after the submission of his bid may lodge a written complaint concerning his grievances not later than fifteen days after the announcement of the bid evaluation report.

41.3 The committee shall investigate and decide upon the complaint within fifteen days of the receipt of the complaint.

41.4 Mere fact lodging of a complaint shall not warrant suspension of the procurement process.

41.5 Any bidder not satisfied with the decision of the committee of the Procuring Agency may lodge an appeal in the relevant court of jurisdiction.

42. LAUNDRY UNITS INSTALLED AT FOLLOWING HOSPITALS

Sr. No.	Hospitals Names
1	DHQ Lodhran
2	DHQ Okara SC
3	DHQ Jhang
4	DHQ Mianwali
5	DHQ Jhelum
6	DHQ Layyah
7	DHQ Bhakkar
8	DHQ Rajan Pur
9	THQ Phalia
10	DHQ Muzaffargarh
11	DHQ Kasur
12	DHQ Bahawalnagar
13	THQ Hazro
14	DHQ Sheikhpura
15	THQ Shahpur

B. General Conditions of Contract (GCC)

1. Definitions

1.1 In this Contract, the following terms shall be interpreted as indicated:

- a.** "The Contract" means the agreement entered into 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 incorporated 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 medical equipment and machinery and other items 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 above goods, such as printing of special instructions on the label and packing, design and logo of the Institute/ Hospital, Insurance, transportation of goods up to the desired destinations, commissioning, training and other such obligations of the supplier covered under the Contract.
- e.** "GCC" mean the General Conditions of Contract contained in this section.
- f.** "SCC" means the Special Conditions of Contract.
- g.** "The Procuring Agency" means the Secretary Health, Government of the Punjab or the procuring agency advertised the tender.
- h.** "The Procuring Agency's Country" is the country named in SCC
- i.** "The Supplier" means the individual or firms or joint venture supplying the goods under this Contract.
- j.** "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 Country of manufacturer should be _____.

4. Standards

4.1 The items should comply with the relevant International product quality standards of respective origins additionally with Pakistan NEQS.

Use of Contract Documents and Information

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.

6. Patent Rights

6.1 The Supplier shall completely indemnify the Procuring Agency against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof in the country.

7. Submission of Samples

7.1 The samples shall be submitted as per detail in ITB 16.3.

8. Ensuring Storage/ Installation Arrangements

8.1 To ensure storage and installation arrangements for the intended supplies, the Supplier shall inform end user for pre-requisites well in time for proper installation. In case the Supplier abides by the given time frame he shall not be penalized for delay.

8.2 In case of late delivery of goods beyond the periods specified in the Schedule of Requirements, penalty @ 0.1% per day of the cost not exceeding 10% of the purchase order/contract value for late delivered supply shall be imposed upon the Supplier.

9. Inspections and Tests

9.1 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.

9.2. For the purpose of pre-shipment inspections and tests of equipment, The Supplier shall furnish all reasonable facilities and assistance, to the inspectors at no charge to the Procuring Agency. The cost of such inspection/ lab tests shall be borne by the Manufacturer/ Supplier.

9.3 The Procuring Agency's right to inspect, test and, where necessary, reject the goods after the goods have been installed at Procuring Agency's destinations.

9.4 Nothing in GCC Clause 9 shall in any way release the Supplier from any warranty or other obligations under this Contract.

10. Physical Examination/ Inspection of Goods

10.1 The goods shall be acceptable subject to physical inspection, tests and/ or in accordance with the approved sample as decided by the Procuring Agency.

10.2 The pre-shipment Inspection Team will be designated by the Procuring Agency which will inspect each of the equipment/ goods as per contracted specifications and installation protocols recommended by the manufacturers.

11. Delivery and Documents

11.1 The Supplier in accordance with the terms specified in the Schedule of Requirements shall make delivery of the goods which is maximum 60-days from the date of issuance of this contract or opening/Establishment of LC. The details of original documents to be furnished by the Supplier are as follows;

- a. Operational Manuals of the medical equipment
- b. Three sets of Original Repair & Service Manuals indicating step by step service/ maintenance protocols of each of the equipment.
- c. Periodic Preventive Maintenance schedules with recommended list of parts/ kits to be replaced during PPM.
- d. Quality test certificate by the manufacturer.

12. Insurance

12.1 The goods supplied under the Contract shall be delivered duty paid (DDP) or C&F as mentioned under which risk is transferred to the buyer after having been delivered; hence, marine and inland insurance coverage is Supplier's responsibility. The Supplier shall ensure insurance in advance in full on prevailing premium rates at the time of shipment of the Goods on the behalf of the Purchaser for which the cost is inclusive in the Contract Price.

13. Transportation

13.1 The Supplier shall arrange such transportation of the goods as is required to prevent their damage or deterioration during transit to their final destination as indicated in the Schedule of Requirement.

13.2 Transportation including loading/ unloading of goods shall be arranged and paid for by the Supplier, and related cost shall be inclusive in the Contract price. The addresses of destinations/ offices shall be provided at the time signing of Contract.

14. Incidental Services

14.1 The Supplier shall be required to provide all the incidental service charges and the cost of such incidental services include in total Contract price.

14.2 The Procuring Agency will not pay any extra amount against any expenditure incurred on it, as the Contract shall be construed as fixed amount Contract and includes all costs.

14.3 The Procuring Agency will provide all the necessary documentations for facilitation but no amount to be given in any case except the Contracted amount.

14.4 The Procuring Agency will provide all necessary documents for facilitation and Custom Clearance but no amount be given in any case except the Contracted amount. The Octroi, Clearing Charges, transportation etc will be borne by the Contracting firm.

15. Warranty

15.1 The firm shall maintain the equipment for five years. A comprehensive warranty of one (01) year for complete system will be provided free of cost including parts & labour. The supplier will categorically mention the disposable/consumable items of the equipment good in advance along with the submitted tender, any item declaration as consumable /disposable after the submission of bid/quotation will not submitted.

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 In case of imported goods to be procured on C&F basis; the payment will be made 100% via establishing the LC in favor of manufacturer at sight and receiving the shipping documents/ Bill of lading, Insurance, Inspection certificate of the manufacturer, Country of origin, compliance of International standards of quality as per INCOTERMS of latest version Contract.

16.3 In case of DDP; the payment will be made 100% after presentation of the delivery/ Installation/commissioning/completion/execution/satisfactory report of the contract/respective hospital and all other works described in Contract. Part payment, part delivery may be admissible in case of huge quantity of the goods.

17. Prices

17.1 Prices charged by the Supplier for goods delivered under the Contract shall not vary from the prices quoted by the Supplier in its bid and shall remain the same till expiry of the original bid validity period provided the Procuring Agency's request for bid validity extension.

18. Contract Amendments

18.1 No variation in or modification of the terms of the Contract shall be made.

18.2 No variation in finalized brands/ makes/models shall be allowed except in special conditions where the manufacturer has stopped producing or suspended that model or the latest model of similar series or version has been launched by the manufacturer or non-availability due to international mergers of the manufacturers or similar unavoidable constraints.

19. Assignment

19.1 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.

20. Subcontracts

20.1 The Supplier shall not be allowed to sublet the job and award subcontracts under this Contract.

21. Delays in the Supplier's Performance

21.1 Delivery of the goods shall be made by the Supplier in accordance with the time schedule prescribed by the Procuring Agency in the Schedule of Requirements.

21.2 If at any time during performance of the Contract, the Supplier should encounter conditions impeding timely delivery of the goods, 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 liquidated damages, in which case the extension shall be ratified by the Parties by amendment of Contract.

21.3 Except as provided under GCC Clause 8.2, 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 22, unless an extension of time is agreed upon pursuant to GCC Clause

21.2 without the application of liquidated damages.

22. Penalties/Liquidated Damages

22.1 In case of late delivery beyond the presented period, penalty as specified in SCC shall be imposed upon the Supplier/ Manufacturer. The above Late Delivery (LD) is subject to GCC Clause 24, including late delivery for reasons beyond control. Once the maximum is reached, the Procuring Agency may consider termination of the Contract pursuant to GCC Clause 23.

22.2 If the firm provide substandard item and fail to provide the item, the payment of risk purchase (which will be purchased by the indenter) the price difference shall be paid by the Firm.

23. Termination for Default

23.1 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 installments 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 8.2; 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 any thing 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 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 non-competitive levels and to deprive the Procuring Agency of the benefits of free and open competition.

24. Force Majeure

24.1 Notwithstanding the provisions of GCC Clauses 21, 22, and 23, the Supplier shall not be liable for forfeiture of its Performance Guaranty/ bid Security, or termination/ blacklisting 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. For the purposes of this clause Force Majeure means an act of God or an event beyond the control of the Supplier and not involving the Supplier's fault or negligence directly or indirectly purporting to mis-planning, mismanagement and/or lack of foresight to handle the situation. Such events may include but are not restricted to acts of the Procuring Agency in its sovereign capacity, wars or revolutions, fires, floods, earthquakes, strikes, epidemics, quarantine restrictions and freight embargoes. If a Force Majeure situation arises, the Supplier shall promptly notify the Procuring Agency in writing with sufficient and valid evidence of such condition and the cause thereof. The Committee of Ministry of Health, constituted for Redressal of grievances, shall examine the pros and cons of the case and all reasonable alternative means for completion of purchase order under the Contract and shall submit its recommendations to the competent authority. However, 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 reasonable alternative means for performance not prevented by the Force Majeure event.

25. Termination for Insolvency

25.1 The Procuring Agency may at any time terminate the Contract by giving written notice of one month time to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In this event, termination shall be without compensation to the Supplier, provided that such termination shall not prejudice or affect any right of action or remedy which has accrued or shall accrue thereafter to the Parties.

26. Arbitration and Resolution of Disputes

26.1 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.

26.2 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 to the Arbitrator for resolution through arbitration.

26.3 In case of any dispute concerning the interpretation and/or application of this Contract shall be settled through arbitration. The arbitrator will be appointed with mutual consent of both the parties. The decisions of the Arbitrator shall be final and binding on the Parties.

27. Governing Language

27.1 The Contract shall be written in English language. Subject to GCC Clause 28, 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 exchanged by the Parties, shall be written in English.

28. Applicable Law

28.1 This Contract shall be governed by the laws of Pakistan and the courts of Pakistan shall have exclusive jurisdiction.

29. Notices

29.1 Any Notice given by one party to the other pursuant to this Contract shall be sent to the other party in writing and confirmed to other party's address specified in SCC.

29.2 A notice shall be effective when delivered or on the notice's effective date, whichever is later.

Special Conditions of Contract (SCC)

Special Conditions of Contract shall be concluded between the Procuring Agency and the successful bidder(s) as per specific requirement of the specific Product. In case where there is a conflict between the general conditions of the contract and the special conditions of contract, the special condition of contract shall prevail.

1. General:

1.1 The offered goods shall be from the Interested firms of the department.

1.2 The fee of all necessary licenses required to install and operate the equipment shall be born by the Supplier and Procuring agency will facilitate through documents only.

1.3 The Bank Guarantee will be discharged after successful installation, commissioning, servicing and completion of standard warranty period. A clearance letter/NOC will be issued by the head of concerned institution in this regard.

1.4 The Supplier shall be deemed to have obtained all the information regarding facilities and charges, in respect of port clearance, loading and unloading, storage, transportation, congestion, Octri, licensing fee and confirmed the requirements thereof at his own responsibility and all such costs and charges are deemed to be included in the rates and prices mentioned in the Priced BOQ and the Procuring Agency will not pay any amount over this contracted amount whether in case of C&F or free delivery consignments.

1.5 Certificate from the manufacturer of foreign/ Local Principal that they will provide after sales services through its agent and in case of change of its agent, it will provide the services itself or newly appointed Sole agent/ Sole distributor.

1.6 The Supplier shall arrange the necessary arrangements for;

- ☐ Operational training of hospital staff including doctors, technician, paramedics.
- ☐ Basic Service Training to Biomedical Engineers of the Department.
- ☐ Providing Installation, Service and Maintenance Manuals (02-Original sets with the equipment)
- ☐ The firms will provide one set of test/ calibration equipment with each category of respective items for its calibration and testing of some reference brand like Fluke Biomedical. The firm shall supply the relevant analyzer (01No.) each with first order for quoted item(s). This shall include Flow Analyzer, Universal Test Lungs, ESU Analyzer, Lux Meter, IR Temperature Gun, Digital Techometer, ECG simulator, Electrical Safety Analyzer, Pulse Oximeter tester, Digital Pressure Analyzer, Patient simulator (04 parameter), Defibrillator Analyzer, Conductivity/ TDS / pH meter, Ultrasound phantom, mAs meter, dosimeter, Incubator / warmer analyzer, temperature/ humidity meter, Photo therapy intensity meter, Infusion Analyzer.

2. Insurance of Local Goods

2.1 Insurance of Goods and other materials from factory to Site shall include all insurance costs covering the responsibility of all losses or damages, while loading, unloading, storing, trimming on the carrier and transporting to site up to the installation, testing & commissioning of the medical equipment.

2.2 Checking and verifying of consignments, issuance of receiving reports and damage reports (when applicable) shall be the Contractor's responsibility.

2.3 The cost of insurance shall be quoted on the basis of insurance through National Insurance Company (NIC) of Pakistan or any other Insurance company operating in Pakistan acceptable to the Procuring Agency.

3. Payment

3.1 In case of C&F; the payment will be made 100% via establishing the LC in favor of manufacturer/beneficiary at sight and receiving shipping documents/ Bill of lading, Insurance, Inspection certificate of the manufacturer and inspection committee nominated

by the procuring agency (if required), Country of origin, compliance of International standards of quality as per INCOTERMS of latest version. The payment will be made in the following manner through a letter of credit to be opened by the Procuring Agency.

3.2 The amount of Letter of Credit shall be paid to beneficiary/Manufacturer on production of the following non-negotiable documents.

- i. Draft.
- ii. Three original and two copies of the Supplier's Invoice showing purchaser as Secretary Primary & Secondary Healthcare, Government of Punjab, Pakistan, the Contract No., Goods description, quantity, unit price and total amount. Invoice must be signed in original stamped or sealed with company stamp or seal.
- iii. Four Copies of packing list identifying content of each package.
- iv. One original and two copies of the negotiable, clean, on board through bill of lading marked "freight prepaid" and showing purchaser as Secretary Health.
- v. Copy of Insurance Certificate showing purchaser as the beneficiary;
- vi. The original manufacturer's warranty certificate covering all items supplied;
- vii. One original copy of the Supplier's Certificate of origin covering all items supplied.
- viii. Copy of Pre-Shipment inspection furnished to Supplier by the purchaser representative.
- ix. Test/ Inspection Certificate of manufacturers and inspection committee nominated by the procuring agency (if required).
- x. Compliance Report of Internal Quality Standards.
- xi. Product model, serial numbers.
- xii. Manufacturer's Guarantee Certificate to the effect that:
 - a) the goods supplied by them are strictly in conformity with the specifications stipulated in the contract.
 - b) the goods have been packed and marked suitable for transport by Sea, Rail, Road and Air in terms of the contract.
 - c) the stores supplied by them are brand new and absolutely free from any material or manufacturing defects.
 - d) Manufacturer's test certificate in respect of each consignment.

3.3 In case of DDP; the payment will be made 100% after presentation of the delivery/ Installation/commissioning/completion report of the equipment and all other works described in Contract.

4. Execution of Warranty

4.1 A Log Book for the equipment shall be maintained by the Supplier Service Engineer in consultation with the end user department. This will include the name of the equipment, down time, preventive maintenance schedule, replacement of parts, down time etc.

4.2 The Warranty will start from the date of acceptance of equipment (properly installed, as per contracted specifications and handing over of related documents mentioned in GCC and will last for its warranty period at 95% uptime.

4.3 The maintenance will be the responsibility of the manufacturer / their agent. An annual optimal uptime of 95% is considered as acceptable level of performance.

4.4 Software and hardware up gradation of the computing system should be carried out as available during warranty period as recommended by the manufacturer.

4.5 Manufacturer / Supplier shall be responsible for rectifying with all possible speed at their own expense any defect or fault in the system which may develop at any time during installation, commissioning period.

4.6 Manufacturer will guarantee the availability of spare parts and accessories for the system for ten years.

4.7 Uptime shall be defined as the time available to the user for doing procedures/ data acquisition and processing during working hours throughout the year except holidays (from 9.00 am to 5.00pm).

4.8 Manufacturer /Supplier shall check system performance during and after every 4-months. An "Optimal Percentage" will be calculated by dividing "System in Service" hours by hours available, both measured on the basis of working hours as detailed above.

4.9 If the uptime percentage for the measurement period (04-months) shall fall short of 95% the following formula will be applied to determine additional days in the warranty / service contract period.

- | | | |
|----|------------|--|
| a. | 100% - 95% | No Penalty |
| b. | 95% - 90% | The warranty period will be extended by 2.0 times the number of days as extra down time. |

- | | | |
|----|-----------|---|
| c. | 90% - 80% | The warranty period will be extended by 3.0 times the number of days as extra down time |
| d. | Below 80% | The warranty period will be extended by 4.0 times the number of days as extra down time |

4.10 Down time is defined as the failure in the equipment operation to acquire or process the data or procedure, resulting in inability to carry out the required procedure properly.

4.11 The firm will be bound to make arrangements for availability of qualified technical staff in hospital / site for prompt execution/coordination of after sale services.

4.12 Down time will start when the end user/ Staff In-charge notifies the designated service facility verbally or in writing to qualified technical staff of the firm stationed in the Hospital.

4.13 Down time will end once the repairs have been affected and the system is again available for clinical use.

4.14 The firm will provide the recommended preventive maintenance schedule of each of the equipment at the time of delivery.

4.15 The firm will bound to execute the installation/ maintenance according to the installation/ service protocol and will replace the components/ kits recommended by the manufacturers for installation and Periodic Preventive maintenance.

4.16 The scheduled preventive maintenance shall be in accordance with Service Protocol recommended/ advised by the manufacturer.

4.17 Remote service via modem shall be preferred if provided by the manufacturer to pick-up early faults at no cost to the hospital.

4.18 The manufacturer / supplier will be responsible for preventive maintenance of equipment as per manufacturers' Service Manuals and shall keep a check for electrical / magnetic / temperature and humidity conditions. Such a check should be made monthly and record should be maintained in the log book of the hospital.

5. Packing & Marking

5.1 Packing: Usual export packing to ensure safe journey up to the site of consignee.

Marking: Each packing should be clearly marked in suitable size in bold letters as per requirement.

6. Trans-shipment

6.1 Trans-shipment is not allowed.

7. Place of delivery

7.1 As per detail mentioned in the invitation for bids/tender notice.

8. Correspondence addresses

Procuring Agency

Contracting Firm

MS-----

Irrevocable Performance Guarantee Form

To: *[Name & Address of the Procuring Agency]*

Whereas *[Name of Supplier]* (hereinafter called "the Supplier") has undertaken, in pursuance of Contract No. *[number]* dated *[date]* to supply *[description of goods]* (hereinafter called "the Contract").

And whereas it has been stipulated by you in the said Contract that the Supplier shall furnish you with a irrevocable Bank Guarantee by a scheduled bank for the sum of 2% of the total Contract amount as a Security for compliance with the Supplier's performance obligations in accordance with the Contract.

And whereas we have agreed to give the Supplier a Guarantee:

Therefore we hereby affirm that we are Guarantors and responsible to you, on behalf of the Supplier, up to a total of *[Amount of the Guarantee in Words and Figures]* and we undertake to pay you, upon your first written demand declaring the Supplier to be in default under the Contract and without cavil or argument, any sum or sums within the limits of *[Amount of Guarantee]* as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This guarantee must be valid for 1 year from the date of issuance.

Signature and Seal of the Guarantors/Bank

Address

Date _____

Note: 1. It should be valid for a period equal to the standard warranty period.
2. The contract will be signed/ issued after submission of this Performance Security.

Contract Form

(On stamp paper worth Rs. @ 25 paisa per every one hundred rupees of the total value of the contract)

THIS CONTRACT is made at _____ on _____ day of _____ 2017, between the (hereinafter referred to as the "Procuring Agency") of the First Part; and M/s (*firm name*) a firm having its registered office at (*address of the firm*) (hereinafter called the "Supplier") of the Second Part (hereinafter referred to individually as "Party" and collectively as the "Parties").

WHEREAS the Procuring Agency invited bids for procurement of goods, in pursuance where of M/s (*firm name*) being the Manufacturer/ authorized Supplier/ authorized Agent of (*item name*) in Pakistan and ancillary services offered to supply the required item (s); and Whereas the Procuring Agency has accepted the bid by the Supplier for the supply of (*item name*) and services in the sum of Rs (*amount in figures and words*) cost per unit, the total amount of (*quantity of goods*) shall be Rs. _____ (*amount in figures and words*) for free delivery items and/or unit price €/\$ _____ for the total price _____ €/\$ of the items of CIF portion for establishing the LC.

NOW THIS CONTRACT WITNESSETH AS FOLLOWS:

1. In this Contract words and expressions shall have the same meanings as are respectively assigned to them in the General Conditions of this Contract hereinafter referred to as "Contract":
2. The following documents shall be deemed to form and be read and construed as integral part of this Contract , viz:-
 - a. 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;
 - f. the Procuring Agency's Notification of Award;
 - g. the scope of work;
 - h. the Contract; and
 - i. the Bid & its clarifications.
 - j. the contracted specifications (attached as annexure)
 - k. any undertaking provided by the firm
3. In consideration of the payments to be made by the Procuring Agency to the Supplier/ Manufacturer as hereinafter mentioned, the Supplier/ Manufacturer 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 this 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 this Contract at the time and in the manner prescribed by this Contract.
5. [*The Supplier*] hereby declares that it has not obtained or induced the procurement of any Contract, right, interest, privilege or other obligation or benefit from Government of the Punjab or any administrative subdivision or agency thereof or any other entity owned or controlled by it (Government of the Punjab) through any corrupt business practice.
6. Without limiting the generality of the foregoing, [the Seller/ Supplier] represents and warrants that it has fully declared the brokerage, commission, fees etc, paid or payable to anyone and not given or agreed to give and shall not give or agree to give to anyone within or outside Pakistan either directly or indirectly through any natural or juridical person, including its affiliate, agent, associate, broker, consultant, director, promoter,

shareholder, sponsor or subsidiary, any commission, gratification, bribe, finder's fee or kickback, whether described as consultation fee or otherwise, with the object of obtaining or including the procurement of a Contract, right interest, privilege or other obligation or benefit in whatsoever form from Government of the Punjab, except that which has been expressly declared pursuant hereto.

7. *[The Supplier]* certifies that has made and shall make full disclosure of all agreements and arrangements with all persons in respect of or related to the transaction with Government of the Punjab and has not taken any action or shall not take any action to circumvent the above declaration, representation or warranty.
8. *[The Supplier]* accepts full responsibility and strict liability for making any false declaration, not making full disclosure, misrepresenting facts or taking any action likely to defeat the purpose of this declaration, representation and warranty. It agrees that any Contract, right, interest, privilege or other obligation or benefit obtained or procured as aforesaid shall, without prejudice to any other right and remedies available to Government of the Punjab under any law, Contract or other instrument, be void able at the option of Government of the Punjab.
9. Notwithstanding any rights and remedies exercised by Government of the Punjab in this regard, *[The Supplier]* agrees to indemnify Government of the Punjab for any loss or damage incurred by it on account of its corrupt business practices and further pay compensation to Government of the Punjab in an amount equivalent to ten time the sum of any commission, gratification, bribe, finder's fee or kickback given by *[The Seller/ Supplier]* as aforesaid for the purpose of obtaining or inducing the procurement of any Contract, right, interest, privilege or other obligation or benefit in whatsoever form from Government of the Punjab.
10. In case of any dispute concerning the interpretation and/or application of this Contract shall be settled through arbitration. The decisions taken and/or award made by the Arbitrator shall be final and binding on the Parties.
11. This Contract shall be governed by the laws of Pakistan and the courts of Pakistan shall have exclusive jurisdiction.

IN WITNESS Whereof the Parties hereto have caused this Contract to be executed at _____ (the place) and shall enter into force on the day, month and year first above mentioned.

**Sign/ Seal by the Supplying
firm**

Sign/ Seal by Procuring Agency

Witness

1.

1.

2.

2.

Note: 1. In case of alliance; all the firms have to sign this document jointly along with Procuring Agency, as all firms will bear equal responsibility in execution of the contract.

Bid Form

Date:
Tender No:
Name of the Item:

To: *[Name and address of Procuring Agency]*

Respected Sir

Having examined the Bidding Documents, the receipt of which is hereby duly acknowledged, we, the undersigned, offer the supply and deliver the goods specified in and in conformity with the said Bidding Documents for the sum of *[Total Bid Amount]*, *[Bid Amount in words]* 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 shall obtain an unconditional guarantee of a bank in the sum of

_____ percent of the Contract Price for the due performance of the Contract, in the form prescribed by the Procuring Agency.

We agree to abide by this bid for a period of *[number]* days from the date fixed for bid opening under ITB Clause 18 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. Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address of bidder
(if none, state "none")."

Amount and Currency

Dated this day of , 2017

Signature
(in the capacity of)

Duly authorized to sign bid for and on behalf of

Attachment

Price Schedule

(DDP Basis)

Name of

Bidder _____

Tender No. and the name of the item -----

Item. No.	Name of Item (As listed in invitation of bid)	Make	Model	Country of Origin	Country of Manufacturer	Supplier	Qty	Unit Price Rs)(Pak	Total Price for each item Pak Rs)(
Total Price (DDP component)									

Sign and Stamp of Bidder _____

Note: In case of discrepancy between unit price and total, the unit price shall prevail.

1. Noncompliance of any of above evaluation parts will lead to the rejection of bid straight way.
2. The bids declared either as Responsive or Substantial Responsive will be considered as acceptable bid for further processing.
3. Sample, where required by the procuring agency will be evaluated by the Technical Evaluation Committee by analyzing its Production quality, Design, Reliability, Conformance to the specification and safe for the usage etc. This report will become the part of above Performa as sample evaluation report.
4. Please note that, successful bidder will provide the RO at respective sites along with installation and complete commissioning. Provision of all consumables i.e., pipes, fitting, plumbing works, pads, grills and allied ancillary fitting works etc. is the responsibility of Service Provider. However, satisfactory performance certificate is required for payment. Performance Bank Guarantee will be 10 % (Validity period must be one year) and warranty period is one year (on site) including all consumables i.e., membranes, Filters etc. will be the responsibility of service provider.
5. Bid price is inclusive of all applicable taxes and complete installation / commissioning / functionality at respective sites is the responsibility of bidder.

BID EVALUATION SHEET

Package No/Tender Number: -----

Name of the Equipment and Qty.:-----

PART- I

KNOCK DOWN CRITERIA - (COMMERCIAL EVALUATION)

(All evaluation parameters defined below are mandatory for compliance along with previously listed)

Sr. No.	Evaluation Parameters	M/S ABC	M/S XYZ
1.	The firm should be a legal entity having registered NTN & GST number.	Yes / No	Yes / No
2.	Firm must have Management certification of ISO 9001 QMS/ISO 14001 EMS/OHSAS 18001.	Yes / No	Yes / No
3.	Audited financial reports for last three years.	Yes / No	Yes / No
4.	Undertaking on notarized judicial stamp paper of Rs: 100/- confirming not having been declared debar, blacklisted by any of the public sector organization in Pakistan.	Yes / No	Yes / No
5.	Undertaking that the firm shall depute one Engineer at each site for the necessary Repair & Maintenance Work of Reverse Osmosis plants.	Yes / No	Yes / No
6.	Compliance of warranty as per tender	Yes / No	Yes / No
7.	Bid Validity (if applicable)	Yes / No	Yes / No
8.	Delivery period	Yes / No	Yes / No
Remarks:		(Eligible/ Not Eligible for further evaluations of PART-III)	(Eligible/ Not Eligible for further evaluations of PART-III)

Please note that, successful bidder will provide the RO at respective sites along with installation and complete commissioning. All consumables i.e., pipes, fitting, plumbing works, pads, grills and allied ancillary fitting works etc. satisfactory performance certificate is required for payment. Performance Bank Guarantee will be 10 % and warranty period is two year (on site) including all consumables i.e., membranes, Filters etc. will be the responsibility of service provider.

PART- II**KNOCK DOWN CRITERIA - (VENDOR EVALUATION)****(All evaluation parameters defined below are mandatory for compliance.)**

Sr. #	Parameter	Slabs	Marks	Weightage
1	Business Volume			
a.	Cumulative Annual Turnover for last three years	More than 100 Million 75 Million < 100 Million 75 Million	100 80 60	20%
2	Relevant Experience			
b.	Firm must have prior experience of Operations & Maintenance of RO plants of laundry, meeting the requirement of feeding of Laundry machines i.e. 2 m ³ /hr. (The Participating firm shall submit Work Orders/Purchase Orders/Contracts duly supported by Satisfactory Past performance Certificate issued by the Procuring Agency in order to substantiate its claim)	10 plants and above 06 plants < 10 plants 05 plants	100 80 60	30%
3	H.R. & Machinery Resources Strength			
a.	Firm must have Engineering Graduates i.e. B.Sc. Chemical Engineering/ B.Sc. Electrical Engineering/ B.Sc. Mechanical Engineering/ B.Sc. Mechatronics Engineering (The participating firm shall submit Appointment Letters and Certificate from the Bank regarding the disbursement of salaries)	12 and above 10 < 12 9	100 80 60	20%
b.	Firm must have prior experience of management of skilled/technical staff. (The participating firm shall submit Appointment Letters and Certificate from the Bank regarding the disbursement of salaries of Employer along with recent payment slips of three months of EOBI)	60 and above 30 < 60 29	100 80 60	20%
4. Presence in Punjab Province.				
a.	Firm must have offices in different geographical locations at Punjab to ensure 24/7 uninterrupted Repair and Maintenance of RO plants installed at 15 feeder sites across Punjab.	3 offices or above 2 offices < 3 offices 1 office	100 80 60	10%
Total:				100%
Note:	The firm score 65% or more marks shall be declared responsive.			

Note: Procuring Agency reserves the right to visit the office of the firm and cross verify submitted documents to evaluate the capability of bidder to perform the contractual services.

PART-III**KNOCK DOWN CRITERIA – PRODUCT EVALUATION****(All evaluation parameters defined below are mandatory for compliance.)**

4rf	SPECIFICATION COMPLIANCE /EVALUATION PARAMETERS			
1	Name of Equipment	Brand		
		Model		
Country of Manufacturer				
Country of Origin of Products				
Specification Compliance features wise:			Remarks	Remarks
Specifications Compliance:			Technically Acceptable /Not (Mention the reasons)	Technically Acceptable /Not (Mention the reasons)
Technical Eligibility of Product:			Eligible / Not Eligible	Eligible / Not Eligible
Technical Eligibility of Firm:			Eligible / Not Eligible	Eligible / Not Eligible
BID STATUS:			Responsive/Substantially Responsive/Non-Responsive	Responsive/Substantially Responsive/Non-Responsive

Note:

6. Noncompliance of any of above evaluation parts will lead to the rejection of bid straight way.
7. The bids declared either as Responsive or Substantial Responsive will be considered as acceptable bid for further processing.
8. Sample, where required by the procuring agency will be evaluated by the Technical Evaluation Committee by analyzing its Production quality, Design, Reliability, Conformance to the specification and safe for the usage etc. This report will become the part of above Performa as sample evaluation report.
9. Please note that, successful bidder will provide the RO at respective sites along with installation and complete commissioning. Provision of all consumables i.e., pipes, fitting, plumbing works, pads, grills and allied ancillary fitting works, boring works (if required at any site) etc. is the responsibility of Service Provider. However, satisfactory performance certificate is required for payment. Performance Bank Guarantee will be 10 % and warranty period is two year (on site) including all consumables i.e., membranes, Filters etc. will be the responsibility of service provider.

TECHNICAL SPECIFICATIONS

SR. NO.	ITEM NAME	TENDER SPECIFICATION	TENTATIVE QUANTITY	BID SECURITY		
1	Reverse Osmosis (RO) Plant	TECHNICAL PROPOSAL (PROPOSED) FOR RO PLANT (LAUNDRY OPERATIONS)	15 Units	There is no Bid Security for this Tender.		
		Design Basis:Product Water Quality: Capacity2000 Liter/Hour Percentage Recovery70-65% Percentage Rejection:30-35% Ro Product water TDS:Below 30-50 ppm Design Temperature28 °C Ro Product water PH6.5 – 7.0 Mode of OperationAutomatic Product quality may vary ± 5%				
		Sr. No			Equipment	Qty.
		1			Filter Feed pump	1
		2			Multimedia Sand & Carbon Filter	1
		3			Cartridge Filter Housing 5Micron	1
		4			Cartridge Filter Housing 1Micron	1
		5			Anti-scalant dosing system	1
		6			Pressure Gauge	6
		7			High pressure pump	1
		8			Ro Membrane	4
		9			Pressure Vessel FRP	1
		10			Inlet & flushing control valve	2
		11			Flow Meter	2
		12			TDS Meter	2
		13			Low Pressure switch	1
		14			piping & fitting UPVC Sch-80	1Lot
		15			Flushing & Cleaning System	1
		16			Electrical Control Panel Time Base	1
		17			SS Skid	1
		18			Raw Water Storage Tank 1000Gallon Food Grade Material Polyethylene Blue	2

19	Product Water Storage Tank 1000Gallon Food Grade Material Polyethylene Blue	2
20	Automatic Pressure Pump (3) and water pump (1)	3+1

TECHNICAL SPECIFICATIONS ARE GIVEN BELOW

1. FILTER FEED PUMP

Quantity : 01 Nos.
Type : Centrifugal
Make : Grundfos/Good Condition(R-F)/CNP China New
Flow rate : 4m³/hr
Discharge head : 3-4 bar
Material of Construction : SS 304 (wetted parts)

MOTOR

Quantity : 1 Nos.
Type : Electric Motor
Power : 1.5KW
Protection : IP 55, Insulation Class-F

2. Multimedia Sand & Carbon Filter

Flow Rate 6m³/ hr
Filtration Rate ≥30- Micron meter
Housing Size
Height 65"
Diameter 16"
Material of Construction FRP
Make Imported Pentair Water USA
Inlet / Outlet 4" inch
Piping & Fittings UPVC
Manual Backwashing
Inlet / Outlet 2.5" inch
Piping & Fittings UPVC
Manual Backwashing

3. CARTRIDGE FILTER HOUSING 5-MICRON

Material Housing UPVC Taiwan
Quantity 1 Nos.
Filtration Rate 5-Micron
Cartridge Material :PPF 5
Cartridge Height :20"
Flow Rate :6m³/hr
Cartridge Quantity 1Nos.

4. CARTRIDGE FILTER HOUSING 1-MICRON

Material Housing	UPVC Taiwan
Quantity	1 Nos.
Filtration Rate	1-Micron
Cartridge Material	PPF 5
Cartridge Height	20"
Flow Rate	6m ³ /hr
Cartridge Quantity	1Nos.

5. ANTISCALANT DOSING SYSTEM

Due to Ca and Mg hardness, hard scale may occur in membrane, to avoid this scale formation, anti-scalent dosing system shall be installed before RO plant

DAY TANK

Quantity	: 1 Nos.
Capacity	: 70 liters
Material	: Polyethylene
DOSING PUMP	
Quantity	: 1 Nos.
Type	: Diaphragm
Make	: Etatron D.S – Italy
Flow rate	: 5Lph
Discharge Pressure	: 7 bar
Casing Material	: pp

6. HIGH PRESSURE PUMP

Quantity	: 01 Nos.
Type	: Centrifugal
Make	: Grundfos Good Condition (R-F)/ CNP China New
Flow rate	: 4m ³ /hr
Discharge head	: 12-14 bar
Material of Construction	: SS 304 (wetted parts)

PUMP DRIVER

Quantity	: 1 Nos.
Type	: Electric Motor

Power : 3KW
Protection : IP 55, Insulation Class-F

7. MEMBRANE ELEMENT

Quantity : 2 Nos.
Type : Spiral wound, thin film composite
Make : Hydranautics (USA / Equivalent)
Dimensions : 8" x 40"
Membrane Material : Polyamide
Flow Rates
Feed : 1.5m³/hr
Permeate : 1m³/hr
Reject : 0.5m³/hr
Recovery : 75%

8. PRESSURE VESSEL

Quantity : 1 Nos.
No. of Membranes per Vessel: 2 Nos.
Design Pressure : 400 psi
Material : FRP
Make : Wave Cyber or KEDE / Equivalent

9. PRESSURE GAUGE

Quantity : 6 Nos.
Make : Wika / Equivalent

10. TEMPERATURE INDICATOR

Quantity: 1 Nos.
Type: Dial Type

11. FLOW METER

Quantity: 2 Nos.
Type: Rota Meter

12. TDS METER

Quantity: 2 Nos.
Type: Panel Mounted / Digital
Make Cerate China & Equivalent
Sensor Online

13. LOW PRESSURE SWITCH

Quantity : 1 Nos.
Make : Danfoss / Equivalent

14. UPVC PIPING & FITTING

Quantity : 1 Lot

Size	: 1" - 1.5"
Low Pressure Line	: PVC
Make	: Hydrplast Canada
PCV Cement	: Hydroplast Canada Grey

15. FLUSHING & CLEANING SYSTEM

A common will be provided for the cleaning of R.O membranes skid.
The system consists of the following components:

CLEANING TANK

Quantity	: 1 Nos.
Type	: Closed Tank
Fluid Handled	: RO Cleaning Chemicals
Capacity	: 100L
Material	: Polyethylene

16. RO CONTROL PANEL CUM MCC

Quantity	: 1 Nos.
Type	: Indoor Installation
Access	: Front
Panel Box Material	: Mild steel with oven baked finish
Make	:

Note: Necessary alarms and indication for miss-operation of the plant shall be provided on the control. M annual on / off control of all drives will be provided on panel.

17. WATER STORAGE TANK FOOD GRADE

Quantity	: 2 Nos.
Type	: Closed Tank
Capacity	: 1000 Gallon
Material	: Food Grade

18. SS SKID

Quantity: 1 Nos.
Material: SS-304
Make

19. AUTOMATIC PRESSURE PUMP (3) AND ONE WATER PUMP (1)

Quantity	: 03 Nos. 1working 2stand by
Type	: Centrifugal
Make	: Grundfos / Equivalent (R-F)
Flow rate	: 3m ³ /hr
Discharge head	: 3-5 bar

		Material of Construction : SS 304 (wetted parts)		
		PUMP DRIVER		
		Quantity	Nos.	
		Type	Electric Motor	
		Power	1KW	
		Protection	IP 55, Insulation Class-F	
		UTILITIES REQUIRED		
		Feed water flow rate at 3–4bar: 4m³/hr		
		Electric power: 415/220 v, 50 Hz, 3 phases		
		BATTERY LIMITS		
		Inlet of filters.		
		Outlet of RO plant.		
		WATER PUMP QTY (1)		

Note:

1. All dimensions are approximate and a change of $\pm 5\%$ is acceptable.
2. Quoted Price shall be included all applicable taxes.
3. Tentative quantity of RO plant is 15 units, however procuring agency may procure less than 15 units as per hospitals need/demand.