



GOVERNMENT OF PAKISTAN
BORDER HEALTH SERVICES-PAKISTAN
BIDDING DOCUMENTS

PROCUREMENT OF INDUSTRIAL REVERSE
OSMOSIS (RO) WATER FILTRATION PLANTS
Single Stage – Two Envelope

UNDER THE
PROJECT TITLED
Strengthening of Points of Entry and
Border Health Services – Pakistan

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F. No. PC-I/2026/RO-BHS-P
GOVERNMENT OF PAKISTAN
Strengthening of Points of Entry &
BORDER HEALTH SERVICES – PAKISTAN
Ministry of National Health Services, Regulations & Coordination
Block No. 47, Pak Secretariat, Saddar, Karachi



Subject:- BIDDING DOCUMENTS / INSTRUCTIONS TO THE BIDDERS IN RESPECT OF PROCUREMENT OF INDUSTRIAL REVERSE OSMOSIS (RO) WATER FILTRATION PLANTS UNDER THE PROJECT TITLED "STRENGTHENING OF POINTS OF ENTRY AND BORDER HEALTH SERVICES – PAKISTAN"

1. Border Health Services – Pakistan (BHSP) intends to invite bids from eligible firms/manufacturers/authorized dealers/suppliers through Electronic Pakistan Acquisition and Disposal System (EPADS) for procurement of Industrial Reverse Osmosis (RO) Water Filtration Plants under PSDP Project titled "**Strengthening of Points of Entry and Border Health Services – Pakistan**" in pursuance of Rule 36(b) of PPRA Rules, 2004 i.e. Single Stage – Two Envelope Procedure.

1.1 Procurement shall be made from PSDP allocation of Border Health Services – Pakistan (BHSP) for Financial Year 2026-27.

1.2 Detail showing requirement and installation locations of Industrial Reverse Osmosis (RO) Water Filtration Plants is as under:

| S.No | Installation Location | Quantity |
|-----------------------|---|-----------|
| 1 | Central Government Dispensary Jacob Line, Saddar, Karachi | 01 |
| 2 | Central Government Dispensary FC Area, Karachi | 01 |
| 3 | Civil Dispensary Jinnah International Airport Karachi | 01 |
| Total Quantity | | 03 |

2. In addition to the bidding criteria as laid down in these bidding documents, standard terms and conditions, inter alia, shall be as under:


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- 2.1 The bidders must be registered with FBR for the purpose of Income Tax and General Sales Tax. Copies of NTN, GST Registration and Active Taxpayer List (ATL) status shall be attached.
 - 2.2 The bidders must be manufacturers, authorized dealers, distributors or suppliers of Industrial Reverse Osmosis (RO) Water Filtration Plants.
 - 2.3 The bidders must not have been blacklisted by any Government/Semi-Government/Autonomous Organization. Certificate to this effect shall be provided on judicial stamp paper.
 - 2.4 The bidders shall have relevant experience in supply, installation and commissioning of Industrial/Commercial RO Water Filtration Plants in Government/Semi-Government/Autonomous Organizations.
 - 2.5 The bidders shall provide documentary evidence regarding availability of after-sales services, maintenance support and warranty facilities in Pakistan.
3. Bidders shall produce following information regarding their business along with bids on their organization letterhead duly signed and stamped:
- 3.1 Firm's Name and Official Address along with year of establishment.
 - 3.2 Complete Mailing Address, Telephone Numbers, Email Address, Bank Account Details and Owner/Authorized Representative particulars.
 - 3.3 Status of Company i.e. Manufacturer / Authorized Dealer / Distributor / Supplier.
 - 3.4 Manufacturer Authorization Certificate, where applicable.
 - 3.5 Complete technical literature/brochures of offered RO Plant systems and accessories.
4. The form, language and other requisites of bids shall be as follows:
- 4.1 The bids shall be prepared and submitted electronically through Electronic Pakistan Acquisition and Disposal System (EPADS) in accordance with the procedures prescribed under PPRA Rules, 2004 and EPADS guidelines.
 - 4.2 Bid related documents/correspondence shall be in English language.
 - 4.3 The bids shall be submitted on printed letterhead of the firm, duly signed and stamped by the authorized representative, scanned and uploaded through EPADS.


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- 4.4 All pages of bids and supporting documents shall be properly signed and stamped by the authorized person of the firm before uploading through EPADS.
- 4.5 Technical Proposal and Financial Proposal shall be uploaded separately on EPADS and clearly marked as:
- TECHNICAL PROPOSAL
 - FINANCIAL PROPOSAL
- 4.6 The Financial Proposal shall remain encrypted in EPADS and shall only be opened electronically for technically responsive bidders after completion of technical evaluation.
- 4.7 Incomplete, conditional or unsigned bids shall be rejected.
5. Open Competitive Bidding shall be conducted under Rule 36(b) of PPRA Rules, 2004 i.e. Single Stage – Two Envelope Procedure through EPADS.
- 5.1 Technical Proposals shall be opened electronically through EPADS on the date and time specified in the bidding schedule in the presence of bidders or their authorized representatives who choose to attend.
- 5.2 Financial Proposals of technically non-responsive bidders shall remain unopened in EPADS and shall not be considered for further evaluation.
- 5.3 Financial Proposals of technically responsive bidders shall be opened electronically through EPADS on a date and time to be communicated by the Procuring Agency after completion of technical evaluation.

PART – 2

6. The Purchase/Procurement Committee shall evaluate all bids in the light of criteria laid down in these bidding documents.
- 6.1 The bids shall be evaluated on the basis of:
- Eligibility requirements,
 - Compliance with technical specifications,
 - Submission of mandatory documents,
 - Relevant experience,


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- Warranty and after-sales services,
 - Delivery capability,
 - and Lowest Evaluated Responsive Bidder basis.
7. The Evaluation Report shall be announced in accordance with Rule 35 of PPRA Rules, 2004 before approval of final recommendations by the Competent Authority.
8. The price of each RO Water Filtration Plant shall be clearly written/typed inclusive of all applicable taxes, duties, freight, transportation, delivery, installation, commissioning, training and allied charges in firm and final manner leaving no ambiguity in Financial Bid.
- 8.1 Prices quoted shall remain valid for a period of one hundred twenty (120) days from the date of opening of bids.
- 8.2 Any conditional, ambiguous or incomplete offer in any respect shall be rejected.
- 8.3 All pages of bidding documents must be properly signed and stamped.
9. The Bid Security shall be furnished as follows:
- 9.1 The Bid Security amounting to PKR 1,000,000/- (Rupees One Million Only), in the shape of a Call Deposit Receipt (CDR), Pay Order or Bank Guarantee issued by a Scheduled Bank of Pakistan in favour of the Project Director, Strengthening of Points of Entry and Border Health Services – Pakistan, shall be submitted with the Financial Proposal. Bids not accompanied by the prescribed Bid Security shall be rejected as non-responsive.
- 9.2 Any bid not accompanied with required Bid Security shall be rejected.
- 9.3 Bid Security shall be returned to unsuccessful bidders after completion of procurement process.
- 9.4 Bid Security shall be forfeited if:
- the bidder withdraws bid during validity period,
 - fails to sign contract agreement, or
 - fails to furnish required Performance Security.
10. The successful bidder shall furnish Performance Security equivalent to ten percent (10%) of contract value in accordance with PPRA Rules and contract conditions.


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TECHNICAL SPECIFICATIONS

INDUSTRIAL REVERSE OSMOSIS (RO) WATER FILTRATION PLANTS

Quantity: 03 Nos.

Installation Locations:

- i. Central Government Dispensary Jacob Line, Saddar, Karachi;
- ii. Central Government Dispensary FC Area, Karachi;
- iii. Civil Dispensary Jinnah International Airport, Karachi.

General Specifications

- Brand new Industrial Reverse Osmosis (RO) Water Filtration Plant;
- Production Capacity: 2,000 to 5,000 Litres Per Hour (LPH), or higher, as suitable for the designated installation site and subject to the approval of the Procuring Agency.
- Suitable for continuous Operations.
- Complete system mounted on corrosion-resistant SS-304 skid structure;
- Capable of producing potable water suitable for human consumption.

Pretreatment System

- Raw Water Feed Pump;
- Multimedia Sand Filter with FRP Vessel and multi-grade filter media;
- Activated Carbon Filter with FRP Vessel;
- Automatic Water Softener with Brine Tank;
- Cartridge Filter Housing with 5-Micron Cartridge Filters;
- Necessary valves, gauges and accessories.

RO System

- Stainless Steel Multistage High Pressure Pump;
- Reverse Osmosis Membrane Pressure Vessels;
- Thin Film Composite (TFC) RO Membranes;
- Automatic Membrane Flushing System;
- Pressure Gauges and Flow Meters;
- Online TDS Monitoring System;
- Minimum TDS rejection efficiency of 95%;
- SS-304 Skid Mounted Structure;


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- Anti-scalant dosing arrangement, where required.

Post Treatment System

- Ultraviolet (UV) Sterilization Unit;
- Ozone Generator;
- Final polishing filtration, where applicable.

Storage & Distribution System

- Raw Water Storage Tank of minimum 5,000 litres (Food Grade HDPE);
- Food Grade HDPE / SS-304 Product Water Storage Tank having minimum capacity of 3,000 litres;
- Product Water Transfer Pump;
- Complete interconnecting piping, valves and fittings.

Electrical & Control System

- Fully Automatic PLC / Microprocessor-Based Control Panel;
- Phase Failure Protection;
- High Pressure Protection;
- Low Pressure Protection;
- Overload Protection;
- Dry Run Protection;
- Auto Start / Auto Stop Functionality;
- Audio/visual fault indication system.


Installation & Training

- Complete supply, installation, testing and commissioning at designated sites;
- Electrical connections and minor allied works required for commissioning;
- Civil works limited to foundation/base preparation, if required;
- Operational and maintenance training of nominated staff of Border Health Services – Pakistan;
- Submission of operation manuals, maintenance schedules and warranty certificates.

Warranty & After-Sales Support

- Minimum one (01) year comprehensive warranty from the date of successful commissioning;

- Availability of after-sales support, technical assistance and spare parts within Pakistan shall be mandatory;
- Any defect arising during the warranty period shall be rectified or defective components replaced without additional cost to Border Health Services – Pakistan;
- Equivalent or higher specifications/features shall be acceptable subject to operational suitability and approval of the Procuring Agency.


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11. Delivery, installation and commissioning of RO Water Filtration Plants shall be completed within ninety (90) days from issuance of Supply Order/Purchase Order.

11.1 All systems shall be delivered, installed and commissioned at locations specified by Border Health Services – Pakistan.

11.2 Inspection shall be carried out by the authorized Inspection Committee of Border Health Services – Pakistan.

11.3 Any equipment not conforming to specifications may be rejected.

11.4 Payment shall be made after satisfactory inspection, installation, testing, commissioning and acceptance by the Inspection Committee constituted by Border Health Services – Pakistan.

11.5 Border Health Services – Pakistan reserves the right to increase or decrease the quantities of RO Water Filtration Plants in accordance with PPRA Rules, 2004, subject to availability of funds and approval of the Competent Authority.

12. In case of delay in delivery, installation or commissioning beyond stipulated period, liquidated damages @ 0.1% of the delayed / un-delivered portion of contract value per day shall be imposed, subject to maximum 10% of total contract value, unless delay is caused due to force majeure circumstances.

13. Border Health Services – Pakistan may, at any time before the deadline for submission of bids, modify / amend bidding documents by issuing corrigendum / addendum in accordance with PPRA Rules, 2004.

14. Interested bidders requiring any clarification regarding bidding documents may submit written request through EPADS before closing date of bids.

15. Bidder shall bear all costs associated with preparation and submission of bids.

16. Supplied RO Plants shall carry minimum one-year comprehensive warranty along with after-sales support and availability of spare parts.
17. As provided under Rule 33(1) of PPRA Rules, 2004, Border Health Services – Pakistan reserves the right to reject all bids or proposals at any time prior to acceptance of bid/proposal.
18. Under Rule 48 of PPRA Rules, 2004, all grievances/issues shall be redressed through Grievance Redressal Committee constituted by the Competent Authority.
19. Procurement shall be subject to availability / release of PSDP funds for FY 2026-27.


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