



Tender Fee: Rs. 500/-

**GOVERNMENT OF PAKISTAN
MINISTRY OF SCIENCE AND TECHNOLOGY
PAKISTAN COUNCIL OF RESEARCH IN WATER RESOURCES**

Tender Document

**INSTALLATION OF REVERSE OSMOSIS FILTRATION PLANT UNDER
IMPROVING ACCESS TO CLEAN DRINKING WATER FOR THE URBAN
POOR IN KARACHI, PAKISTAN**

**Pakistan Council of Research in Water Resources (PCRWR), Karachi
Phone No. 021-34028062**

PART - I

TERMS AND CONDITIONS

1. GENERAL

- i. The bids are required from the registered firms with earnest money equal to 2% of the total amount of bid(s) in the form of demand draft/pay order to be issued by a Pakistani scheduled Bank or branch of a Foreign Bank operating in Pakistan in favor of the Project Director. Tenders without earnest money would be rejected out-rightly. In case of alternate prices, earnest money will be based on the maximum quoted price of the same item(s). The Earnest Money will be forfeited if a bidder(s) withdraws his bid(s) during the period of his bid(s) validity. The earnest money of unsuccessful bidder(s) will be returned to them after evaluation of bids.
- ii. The bidder must be registered with FBR (as per Sale & Income Tax laws) and Sindh Revenue Board (SRB), evidence of both and copy of CNIC of owners/proprietors should be attached with the tender documents.
- iii. The bidder shall be bound for the payment of all government taxes applicable at the time of payment
- iv. The bidder must be registered and currently active with Pakistan Engineering Council (PEC) for appropriate category
- v. Conditional/incomplete tenders or those having overwriting will not be accepted.
- vi. Quoted price must have validity for at least 90 days from the date of tender opening.
- vii. Tenders comprising over “Technical Proposal” and “Financial Proposal” must be submitted in separate sealed envelope with clear marking of **“TECHNICAL PROPOSAL”** AND **“FINANCIAL PROPOSAL”**.
- viii. Last date of submission of offers is June 22, 2021 by 3:00 PM. The Technical tenders of the participating firms will be opened at 3:30 PM on the same day by the tender opening committee in the office of Deputy Director Incharge PCRWR Regional Office, Main University Road, Karachi in the presence of bidders or their authorized representatives, who may care to attend.
- ix. The Technical Proposals opened shall be evaluated for technical qualification of the firms. Financial bids/proposals of technically qualified firms shall be opened and publically announced on the date and time that will be communicated in writing to all the contractors and technically un-qualified contractors shall be returned to them unopened.
- x. The premium quoted by the firms/contractors in financial bids must be written in words and figures both.

- xi. The quoted prices must be inclusive of everything. The bidder should make sure that the bid is complete in all respects including consumables/non-consumables for complete execution of the task at the specified locations.
- xii. The commencement of work on site must be started within 7 days after the receipt of work order. If the contractor does not commence work within the stipulated period, or leaves work un-accomplished, or willfully linger on the work due to lack of interest, the Deputy Director Incharge may cancel his work order after serving him two notices. His call deposit and cost of work done upto that time will be forfeited.

2. SCOPE OF SUPPLY/WORK

The activities will be carried out union council 1 Pak colony of S.I.T.E Korangi, Karachi with following details;

- I. Installation of Reverse Osmosis Filtration Plant 50000 GPD on feed water quality upto 10000TDS ppm in 40 ft containerized room along with all fittings, Water collection point outside plant room and two extended community water collection / dispensing points. The product water TDS should be <500ppm.
- II. Operation & maintenance of RO plant with 02 operator (Day & Night) change of cartridge filters, chemicals, CIP cleaning and repairs.
- III. Provision of vehicle/car 800-1000 cc for field mobilization in project area

3. BID PRICE AND QUOTING

- i. The Contractor is required to quote his bid/charges for work execution at each site.
- ii. The bidder shall indicate, in his offer the unit prices inclusive of all taxes and total bid prices of the goods. Payment of any Taxes, duties etc. levied before opening of bids by the Government shall be the full responsibility of the bidder(s) subject to prevailing regulations. The prices shall be quoted in Pakistan Rupees only. The person signing the bid shall initial all the pages of the bid(s) where entries are made. No bid received after the prescribed deadline date would be entertained and will be rejected without caring the reasons for delayed receipt at PCRWR Regional Office, Karachi due to negligence of the bidder or the postal/courier services etc.

4. PURCHASER'S RIGHTS

The Deputy Director Incharge reserves the right to reduce/increase the quantum of work; thereby evolving no financial liability whatsoever or any other obligation on the part of PCRWR from the side of bidders. No other sub-office (outfit) of PCRWR is authorized to collect bid(s) except PCRWR Regional office Karachi only.

5. CONVERSING

Unsolicited advice/clarification and any personal contact at any stage of evaluation of bids are strictly prohibited and may lead to disqualification.

6. PERFORMANCE GUARANTEE

- i. The performance period will be three months, which will start from the date of completion of the task in all respect.
- ii. The successful bidder(s) is/are required to furnish a performance guarantee, equivalent to 10% of the contract amount within ten days of issue of supply order/award of contract. Otherwise, equivalent amount will be retained from payment for performance period. This amount will be treated as compensation for any loss resulting from the supplier's failure to complete its obligation.
- iii. Performance guarantee/security will be forfeited in case of failure to successfully complete the performance period.

7. COMPLETION PERIOD

- i. The allotted work should be completed within specified period of 30 days after the receipt of work order. If work is not completed within the allocated time period then the contractor has to pay delay charges @ 0.01% of the total cost of the work for each delayed day.
- ii. The bidder will be responsible for complete execution of the work and for its free repair services during three months performance period.

8. MODE OF PAYMENT

- i. No advance payment will be made to any firm against any supply /work order in any case. No such demand will be entertained and failure to execute work against supply order will lead to forfeiture of the earnest money. Payment shall be made in the form of cross-cheque, which shall be issued, after receipt of inspection report as per following:
 - a. The payment i.e. 90% will be released on completion of the work and acceptance of inspection report. Prevailing regular government taxes shall be applicable.
 - b. 10% payment after completion of performance period (three months).

9. PRICES

Prices charged by the bidder for goods delivered and services performed under the contract shall not exceed from the prices quoted by the supplier in its bid(s).

10. EVALUATION CRITERIA

The bids would be evaluated based upon their technical soundness with the Terms and Conditions set forth in this document. The lowest quoted bid as a whole meeting technical requirements will be selected.

11. GUARANTEE/WARRANTY

The warrantee period is 03 months in case of failure; the same will be arranged from the security amount.

- 12.** The procuring agency may cancel the tender as per PPRA rules. PPRA rules and other prevailing government rules shall be applicable.

- 13.** The representative of PCRWR, or designated Field Engineer, may examine any item, equipment, material, supplies and/or services to be provided under this contract, at any time prior to expiry of this contract. He may reject or require alteration thereto or replacements thereof as a condition of acceptance. The findings shall be conclusive except with respect to defects or fraud, which may appear later. Accomplishment and/or execution of each item of work (total or a part thereof) shall be considered subject to the verification of Field Engineer designated by the PCRWR for work accomplishment.

PART –II

GENERAL INFORMATION ABOUT THE CONTRACTOR/FIRM

- 1- Name of the Firm: _____
- 2- Main Line or Business: _____
- 3- Type of Organization: _____
- 4- Phone No(s) _____
- 5- Mailing Address: _____
- 6- Fax No. _____
- 7- E-mail _____
- 8- Contact Person: _____
- 9- Income tax and sales tax numbers _____
- 10- Sindh Revenue Board (SRB) registration number _____
- 11- Pakistan Engineering Council (PEC) Reg. No. & codes _____

SIGNATURE & SEAL OF CONTRACTOR/FIRM

PART –III

**REVERSE OSMOSIS PLANT 50000 GALLONS PER DAY ON TDS 10000 PPM
WITH COMPLETE INSTALLATION & COMMISSIONING
RO PLANT CONTAINS FOLLOWING ITEMS**

S.No.	Description	Qty	Amount (Rs.)
1	R.O Plant (BOQ Attached)		
I.	Feed pump (20m ³ /h)	Composite rates with all prevailing government Taxes may kindly be provided in PKRs.----- (Note: The detailed chemical analysis report of feed water is enclosed for design purpose)	
II.	Multimedia vessel with media (Gravel, Sand & Carbon) 24x72 USA		
III.	Dozing pump with tank		
IV.	Cartridge housing		
V.	Product tank 500 gallons 02 Nos		
VI.	High pressure pump (20m ³ /h)		
VII.	Membrane vessel USA		
VIII.	RO membranes USA		
IX.	pH neutralization system		
X.	RO S.S Skid 316		
XI.	TDS meter, Flow meter, Pressure gauges		
XII.	Flushing pump set with tank		
XIII.	Electrical control panel with cabling		
XIV.	Water Dispensing (Collection) Point Outside of RO Plant Room with UV disinfection system with flow rate of 15-20GMM (Drawing attached as Annexure-I)		
XV.	Water Dispensing (Collection) two other location (200-500ft) with UV disinfection system with flow rate of 15-20GM each point (Drawing attached as Annexure-II)		
XVI.	Container 40 feet (plant room) with Foundation civil work (Drawing attached as Annexure-III), Coloring inside & outside, electric fittings (LED lights & fan) Aluminum Door 1, Windows 3, with transportation, loading /unloading		
XVII.	Operation & maintenance 01 month with cartridges change & chemicals		
XVIII.	Training of plant operators		
2.	Operation & Maintenance (O&M) of plant with cartridge change, chemicals, repair (minor), chemical cleaning of membranes etc (Monthly charges)	Composite rates with all prevailing government Taxes may kindly be provided in PKRs. _____	
3.	Provision of vehicle/car with fuel, R&M and Driver with food (800-1000cc) for field activities within Karachi city (Monthly charges)	Composite rates with all prevailing government Taxes may kindly be provided in PKRs. _____	
4.	Lap Top Branded Core i5 11 th Generation, HD 1TB, 8 GB Ram, 15.6 inch	Composite rates with all prevailing government Taxes may kindly be provided in PKRs. _____	
Total (Pak Rs)			

