



वाष्कोस लिमिटेड
WAPCOS LIMITED

(भारत सरकार का उपक्रम)
जल संसाधन, नदी विकास व गंगा संरक्षण मंत्रालय
(A Government of India Undertaking)
Ministry of Water Resources, River Development & Ganga Rejuvenation

ISO 9001: 2008

- Consultancy Services
- Engineering, Procurement & Construction (EPC)

NOTICE INVITING TENDERS (NIT) **(National Competitive Bidding)**

NIT No. WAP/ENVT/CSEZ/IWMS/ZLD/2017/27; Dt. 14.11.2017

“Design, Engineering, Supply, Installation, Testing & Commissioning of 1.5 MLD Capacity RO Plant, RMS along with trial run of 2 months on turnkey basis for ZLD System for CETP and O&M for additional 60 months in CSEZ, Kakkanad, Cochin, Kerala”

Cochin Special Economic Zone Authority (CSEZA), under the Ministry of Commerce and Industry, Government of India has appointed WAPCOS Limited, as ‘Owner’s Engineer’. WAPCOS Limited, on behalf of CSEZA invites **E-Tender in Two Cover System** from eligible firms for “Design, Engineering, Supply, Installation, Testing & Commissioning of 1.5 MLD Capacity RO Plant, RMS along with trial run of 2 months on turnkey basis for ZLD System for CETP and O&M for additional 60 months in CSEZ, Kakkanad, Cochin, Kerala”

Volume II
Financial Bid

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(A Government of India Undertaking)
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PRICE BID FORMAT

(i) **Financial Proposal - Price Schedule**

Description of Work	Rate (INR) (in figures and words) *
1. Design and Supervision of civil works necessary for RO&RMS	
2. Supply Installation and commissioning and O&M of RO system	
A. Capital Cost (1.5 MLD) <i>Component wise break-up to be provided in a separate sheet</i>	
I. Design and Engineering of RO	
II. Supply of materials/equipment for RO	
III. Installation, Testing and Commissioning including Trial Run for 2 months	
B. Total O&M Cost for RO System for 1.5 MLD per month <i>(Considering 60 months continuous O&M, No further escalation shall be allowed)</i>	
I. Cost of chemicals such as anti-scalant, cleaning chemicals etc.	
II. Manpower Cost	
III. Cost of consumables and Replacement of Membranes, Spares, etc. if any	
IV. Electrical Energy Charges for pumps/Heating etc	
V. Service water and /or cooling water charges	
3. Supply Installation and commissioning and O&M of Reject Management System (RMS)	
A. Capital Cost (for 5% reject plus 10% extra volume of reject from 1.5MLD RO**) <i>Component wise break-up to be provided in a separate sheet</i>	
I. Design and Engineering of RMS	
II. Supply of materials/equipment for RMS	
III. Installation, Testing and Commissioning including Trial Run for 2 months	

B. Total O&M Cost for RMS (Considering 60 months continuous O&M, No further escalation shall be allowed)for 5% reject plus 10% extra volume of reject from 1.5MLD RO**per month	
I. Chemicals such as anti-scalant, cleaning chemicals etc.	
II. Manpower Cost	
III. Electrical Energy Charges for pumps and accessories	
IV. Heating medium (Thermic fluid etc.) based on quantity of natural gas	
V. Service water and /or cooling water charges	
VI. Cost of consumables and Replacement of Membranes, Spares, if any	
VII. Salts/Solids Disposal cost	
4. Total O&M Cost for Five Years (60 months) including RO & RMS Yearly break-up to be provided in a separate sheet	

**All the columns should be filled mandatorily for consideration towards evaluation*

*** The RMS should be designed considering 5% reject volume plus 10% redundancy. If vendor possesses technologies generating less than 5% reject at RO stage, they can submit proposal for lesser quantity of reject volume plus 10% redundancy. These shall be at the sole responsibility of the bidder.*

Note:

Electricity / Power, Natural Gas / Diesel and Service Water during **Supply, Installation, Testing, Commissioning of Mechanical, Electrical & Instrumentation Works** complete in all respects, along with trial run of 2 months till the date of commissioning period shall be provided on chargeable basis by CSEZ Authority. **These costs should be included in the Financial Bid. All supply prices should be on CIF basis excluding taxes.**

Electricity / Power, Natural Gas / Diesel and Service Water **during O&M period** with effect from the date of commissioning shall be provided on chargeable basis by CSEZ Authority. The reuse/disposal of residual salts/sludge generated from RMS shall be in the bidder's scope, the same should be either reused or disposed carried out through authorized agencies of Kerala State Pollution Control Board. **These costs to be included in the Financial Bid. All other consumables, chemicals, replacement of membranes and spares, required staff for O&M will be provided by the Bidder.**

In case the plant does not stabilize in 2 months of trial run, this period shall continue till complete stabilization and during this additional period, all applicable charges shall be borne by the Bidder. All prices for chemicals, consumables etc. during O&M should be on CIF basis excluding taxes.

The power tariff per unit may be considered as per the latest prevailing circulars of Kerala State Electricity Regulatory Commission (KSERC) as amended from time to time.

In case actual energy consumption exceeds the average guaranteed energy consumption, the charges for the excess energy consumption shall be borne by the Bidder. These shall be deducted by the Department out of his running bills. Cycle for calculating excess energy consumption shall be bill to bill basis issued by the Electricity Department.

Bidder should provide split-up of components of the ZLD system which shall be imported and manufactured in India as part of the Price Bid.

The tariff shall be as follows:

- Power: Fixed Charges at Rs. 150/KVA/month plus Rs. 6.00 per unit;
- Water: Rs. 40 per cu.m (kL)
- Natural Gas: Rs. 483 per mm BTU.

Prevailing market rates for manpower, chemicals, consumables and spares should be considered.

GST Details

- The latest GST registration details, applicable GST with Input Tax Credit, with HSN code no. etc., attested by a Gazetted Officer / Chartered Accountant / Notary Public valid for the current year shall be enclosed along with the quotation.
- Appropriate rate of GST shall be admitted in lieu of all taxes and levies replaced by GST such as Excise Duty, CST and Service Tax etc. as per all rules and provisions of the GST Act, as applicable.
- Any increase due to statutory variation will be admitted only when the supplies are made within the delivery schedules.
- In case of delayed delivery, the GST prevailing on the date of despatch or the GST on the last day of the contractual delivery period whichever is LESS will alone be admitted. For both the cases, the Supplier shall furnish documentary evidence while submitting the bills for payment.
- Any downward variation in basic price while reworking due to GST and the benefit of Input Tax Credit must be passed on to the Employer.
- The GST should be clearly furnished with (CGST and SGST or IGST) % in the price. Mentioning % with input tax credit.
- **As per IGST Act, section 16, supply and services to SEZ units and developers is treated as “Zero rated supply”. The selected bidder shall be required to execute a LUT to necessitate the exemption. The selected bidder shall co-ordinate with CSEZA / WAPCOS after award of work for the necessary documentation.**
- Evaluation: The evaluation shall include as a part of the price, Packing & Forwarding and Freight & Insurance charges.

PRICE

- The bidder should quote as per scope of work at FIRM price in Indian rupees only.
- The prices quoted shall be **firm on F.O.R. Destination giving breakup thereof for basic price, GST, P&F, Transit Insurance etc.**
- The rates quoted should be furnished both in figures as well as in words.
- Freight & Insurance charges, Packing & Forwarding charges should be shown separately. These will be paid only at actuals on production of voucher and not on percentage basis.
- Offers giving lumpsum price, without giving their breakup as per details required shall be liable for rejection.

WAPCOS CSEZ