

**NOTICE INVITING BUDGETORY OFFERS**

Name of Work	<b>NAME OF WORK : “Supply, Installation , Testing &amp; commissioning of Hot and Cold(UV) water purifier and 5 year CAMC after completion of one year warranty period”</b>
Date of submission of budgetary quotation	On or Before <b>16/04/2024 at 15:00 Hrs.</b>
Address for communication:	Executive Engineer (E-HL), Mechanical Engineering Department, Mormugao Port Authority, Electrical Section, 1st Floor, Admin. Building, Headland sada Vasco-de-Gama Goa - 403804
Contact Details	Phone : (0832) 2594241, 2594215 Email : <a href="mailto:xene.mgpt@gmail.com">xene.mgpt@gmail.com</a>
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**EXECUTIVE ENGINEER (E-HL)  
MORMUGAO PORT AUTHORITY**

**Technical specification****1.0. General :**

Mormugao Port Authority intends to take up the work of “Supply, Installation, Testing & commissioning of Hot and Cold (UV) water purifiers and 5 year CAMC after completion of one year warranty period”.

**2.0 SCOPE OF WORK:**

- i) The contractor shall carry out Supply, Installation, Testing and Commissioning of 20 Nos. Water purifiers as per the given technical specifications.
- ii) The contractor shall remove the existing water purifiers from the given location and install the new ones. The old water purifiers shall be shifted by the contractor to the MM Site, Baina or as directed by the Engineer-In-Charge (EIC) for disposal.
- iii) Test Certificate and installation report for the newly installed water purifiers shall be submitted before furnishing the final invoice for payment.
- iv) The contractor shall provide 1 year guarantee with on-site support after commissioning of work to attend to defects, liabilities and breakdowns of all water purifiers.

**2.2 Detailed Technical Specifications:-****2.2.1 Supply Installation, Testing and Commissioning of 20 nos. Hot and Cold (UV) water purifier.**

- Hot and Cold (UV)
- POWER SUPPLY- 230 V AC 50 HZ +/- 10%
- TANK CAPACITIES (In Litres) – NORMAL 11L, COLD 4L and HOT 1.5L
- TYPE - ON LINE FREE STANDING
- DIMENSIONS IN MM (W X D X H) - 380 X 340 X 1140
- COMPRESSOR :- 76W
- HEATER WATTAGE - 500W
- COLD WATER TEMPERATURE- 10° C Factory Preset
- HOT WATER TEMPERATURE- 83° C – 85° C
- SAFETY FEATURES – LEAK DETECTION SENSOR, TANK LEVEL DETECTION SENSOR, UV SENSOR
- RECOVERY - 35%
- NO OF FAUCETS – 3 Nos - NORMAL, COLD & HOT

**2.3 Miscellaneous Items**

Misc items, like saddles, fitting materials, screws, nuts, fasteners, jointers, sealants,

accessories or any other material/work as required for the total commissioning, to be provided by the Contractor to commission the system fully successfully and to the satisfaction of EIC.

### **3.0 INSTALLATION & COMMISSIONING**

1. The Contractor shall carry the work as per the BOQ and Scope of Work.
2. The Contractor shall commence and complete the work within 60 days from date of issue of LOA to the satisfaction of the Chief Mechanical Engineer or his representative. Necessary safety measures for entire installation shall be done by the contractor as per prevailing safety standards.
3. The special tools/instruments needed for installation and regular servicing / maintenance working shall be supplied by the Contractor. All the materials required for the installation and commissioning at site shall be supplied by the Contractor (as per clause no. 2.3).
4. The work should be carried out with utmost precaution not to disrupt existing functionalities in any way. The installation of the various equipment's shall be carried as per the site conditions, availability of site locations etc. and as directed by the EIC.
5. Special care may be taken to prevent any damage to the Port's property during installation and commissioning. The workmanship shall be neat, clean and elegant/ aesthetic in appearance etc.
6. All the quantities indicated in the price schedule/BoQ are indicative. However, the work shall be carried out as per site requirements. Payment will be released as per actual executed quantities after completion of work.
7. **Technical brochures/ data sheets /warranty cards of Hot and Cold (UV) water purifier should be submitted with the tender specifically for models the tenderer intends to supply.**
8. Power and water will be provided by the Port on free of cost basis.

### **3.2 TEST & CERTIFICATIONS**

Test Certificates for Hot and Cold (UV) water purifier shall be submitted along with materials to the satisfaction of the Chief Mechanical Engineer or his representative, failing which the materials will not be accepted by the Port.

The Bidder should ensure that the Equipment to be supplied should be latest product release indicating the year of release and not be declared as "End of Life" Product by the respective OEM as on the date of submission of the Tender.

#### **4.0 GUARANTEE**

The installation shall be guaranteed for 12 months from the date of acceptance and in accordance with clause no. 2.iv of the document.

#### **4.1 MAINTENANCE DURING GUARANTEE PERIOD.**

1. The contractor shall provide one-year guarantee for the equipment's installed. The maintenance during guarantee period shall include replacement of all defective components of the system including the Hot and Cold (UV) water purifier.
2. As per prevailing standards, the contractor shall replace all the filters of the water purifier after every 6 months (Bi- annually) at his own cost during the guarantee period.
3. During the one year guarantee period, the Port shall not bear any charges incurred by the contractor for deputing the skilled manpower, logistics, licenses or materials to carry out any form of repairs.
4. The Contractor shall arrange his own tools and tackles including ladder if necessary for carrying out the works during the installation and guarantee period.
4. During guarantee period if any of the equipment supplied by the Contractor are found defective /Damaged, same has to be replaced by the Contractor at their cost. The bidder shall maintain basic inventory of required spares for upkeep of the Hot and Cold(UV) water purifiers installed by him during the guarantee period to keep them functional at all times.
5. As these purifiers are proposed to be installed in operational areas of the Port, wherein staff is working 24 X 7 and water being basic requirement, the technicians should be present after office hours and during holidays without any cost and liability to the Port, in case need arises. The tenderer shall provide contact telephone number/ mobile and E-mail address to also register complaints from the Port.

#### **4.2 PENALTY CLAUSE**

The fault should be attended within 24 hrs from receipt of complaint from Port, during guarantee period, failing which an amount of Rs. 500/- per day will be deducted from security deposit/ support charges as penalty until the fault is restored & Hot and Cold(UV) water purifier is recommissioned.

## **5.0 COMPREHENSIVE MAINTENANCE CONTRACT:**

1. a) **Maintenance during CMC Period:**
  - i. The contractor shall provide five year Comprehensive Maintenance Contract for the equipments installed from the date of completion of one year guarantee period.
  - ii. As per prevailing standards, the contractor shall replace all the filters of the water purifier after every 6 months (Bi- annually) at his own cost during the CAMC period.
  - iii. The contractor shall formulate a checklist for the Hot and Cold (UV) water purifier under CAMC and shall get it approved from the EIC. The contractor shall depute its service engineer once in every 3 months to carryout maintenance of the complete system as per the checklist.
  - iv. Apart from regular preventive maintenance (quarterly) the contractor will have to attend any number of breakdown calls free of cost and shall report to site within 24 hrs from receipt of breakdown calls from the Port. The maintenance during CMC shall include repairs/replacement of all defective components of the Hot and Cold (UV) water purifiers as necessary.
  - v. In case the service representative of the contractor is unable to resolve any breakdown during guarantee or CAMC, the contractor shall engage OEM or external entity at no extra cost to the Port, to resolve the issue or replace the entire unit as the case may be.
  
- b) **Terms of Payment:** On satisfactory completion of quarterly servicing and on certification by the EIC, yearly payment will be recommended on production of pre-receipted bill in the Port format. The Contractor shall furnish their Bank details/Account No. and PAN in order to effect payment thro' ECS. Payment shall be affected within 30days of submitting the undisputed invoice in duplicate along with all relevant documents.
  
- c) **Security Deposit for CMC:** The Security deposit paid by the successful Tenderer will be extended as Security Deposit for the Comprehensive maintenance contract for a period of 05 years and the same will be refunded after successful completion of 05 years CMC period.
  
- d) **Penalty Clause (For CMC and Guarantee period)**

The contractor shall complete the required maintenance work as and when directed by Port Officials. Non-functioning of the system during CMC period will have to be attended and rectified within 24 hours of reporting of the fault, failing which an amount of Rs.500/- per day will be deducted for first 3 days and beyond the period of 3 days, an amount

of Rs.750/- per day will be deducted as penalty from the running bills until the issue is resolved.

#### **5.0 Other Conditions:**

- 1) Technical and Commercial conditions shall be clearly furnished in the quotation. The offer shall indicate the make and model of the equipment and shall accompany with the relevant technical leaflet.
- 2) The rate should be quoted as per unit.
- 3) The rate quoted should be maintained till the completion of supply and no upward price revision will be agreed to.
- 4) GATE PASS: Necessary Entry Permits shall be obtained by the Contractor on chargeable basis.
- 5) The Contractor must comply with the Safety aspects as governed by the relevant edition of Indian Electricity Rules and Industrial Safety, the contractor shall be responsible for overall safety.
- 6) The Tenderer shall inspect the site and assess the requirement if necessary before furnishing their offered.
- 7) After completion of work carried out during installation/servicing/breakdown maintenance, the contractor shall clear the work site of any scrap/packaging material/water spillage/rags etc as per prevailing environmental norms.

**PRICE SCHEDULE (BILL OF QUANTITIES)**

Sr. No	Description	Unit	Qty.	Basic all incl. unit Rate (except GST) (Rs.)	FOR Destination Amount (Excl. of G.S.T) (Rs.)	GST %	
A	B	C	D	E	F = D X E	G	
1	HOT & COLD (UV) POWER SUPPLY- 230 V AC 50 HZ +/- 10% TANK CAPACITIES (In Litres) – NORMAL 11L, COLD 4L AND HOT 1.5L TYPE - ON LINE FREE STANDING DIMENSIONS IN MM (W X D X H) - 380 X 340 X 1140 COMPRESSOR :- 76W MODEL & WATTAGE HEATER WATTAGE - 500W COLD WATER TEMPERATURE- 10° C FACTORY PRESET HOT WATER TEMPERATURE- 83° C – 85°C SAFETY FEATURES – LEAK DETECTION SENSOR, TANK LEVEL DETECTION SENSOR, UV SENSOR RECOVERY - 35% NO OF FAUCETS – 3 Nos - NORMAL, COLD & HOT	Nos.	20				
2	Comprehensive Maintenance Contract (CMC) with full responsibility of carrying out repair and supply of required original spare parts to keep the water purifier in fully operational condition for a period of 5 years, after one year Guarantee period.						
	a. 1 <sup>st</sup> year CMC	No.	1				
	b. 2 <sup>nd</sup> year CMC	No.	1				
	c. 3 <sup>rd</sup> year CMC	No.	1				
	d. 4 <sup>th</sup> year CMC	No.	1				
	e. 5 <sup>th</sup> year CMC	No.	1				
	<b>TOTAL</b>						

(In Words Rupees \_\_\_\_\_ only  
exclusive of all taxes)

**Note: The rates quoted shall be inclusive of freight, packing & forwarding, insurance but exclusive of GST. Applicable GST shall be paid extra as applicable.**