



தேசிய காசநோய் ஆராய்ச்சி நிறுவனம்  
**राष्ट्रीय यक्ष्मा अनुसंधान संस्थान**  
NATIONAL INSTITUTE FOR RESEARCH IN TUBERCULOSIS  
(Indian Council of Medical Research)  
(Formerly Tuberculosis Research Centre)  
Department of Health Research, Ministry of Health & Family Welfare  
Government of India  
No.1, Mayor Sathyamoorthy Road, Chetpet, Chennai 600031

**BID DOCUMENT**

**NAME OF WORK: AMC FOR RO PLANT – WATER SOFTENING & DEIONIZING PLANT FOR DISTILLED WATER**

Tender Enquiry No: P1/AMC/RO-PLANT- DISTILLED WATER/2018-19

Tender published at Website: <https://eprocure.gov.in>  
[www.nirt.res.in](http://www.nirt.res.in)

Fax: +91-44-28362528

Telephone: +91-4428369500/9600

E-Mail: [nirt@icmr.org.in](mailto:nirt@icmr.org.in)

**INDEX**

S.No	Description	Page Nos
1.	Notice inviting Tender	2
2.	General Terms and Conditions	3
3.	Scope of work Technical Bid (Annexure – I)	4
4.	Online Bid Submission Details (Annexure- II)	5
5.	PRICE BID (Annexure – III)	6



தேசிய காசநோய் ஆராய்ச்சி நிறுவனம்  
**राष्ट्रीय यक्ष्मा अनुसंधान संस्थान**  
NATIONAL INSTITUTE FOR RESEARCH IN TUBERCULOSIS  
(Indian Council of Medical Research)  
(Formerly Tuberculosis Research Centre)  
Department of Health Research, Ministry of Health & Family Welfare  
Government of India  
No.1, Mayor Sathyamoorthy Road, Chetpet, Chennai 600031

Tender No. P1/AMC/RO-PLANT- DISTILLED WATER/2018-19

Date: 18.04.2018

**NIRT E-Tender (NIT)**

Electronic Bids are invited through website <https://eprocure.gov.in> under two bid system from eligible domestic bidders registered in India i.e Original Equipment Manufacturers/Authorized Dealers/Authorized Distributors/Suppliers and authorized service providers for AMC of Air Conditions at NIRT, Chennai.

**Tender Enquiry**

<b>Date of Publishing</b>	<b>18.04.2018</b>
<b>Bid Document Download start date(Online)</b>	<b>18.04.2018</b>
<b>Bid Submission start date(Online)</b>	<b>18.04.2018</b>
<b>Bid Submission End date (Online)</b>	<b>09.05.2018</b>
<b>Date of Technical Bid opening(Online)</b>	<b>10.05.2018</b>
<b>Date of Financial Bid Opening</b>	<b>To be Notified separately</b>

**. Earnest Money Deposit: 10,000/- .EMD should reach this office in the form of Demand Draft drawn in favour of The Director, Chennai on or before 08.05.2018– 11.00AM.**

**Important Notes:**

1. Tender documents may be downloaded from central Public Procurement Portal <http://eprocure.gov.in/eprocure/app>.
2. Only Bids received on our e-tendering portal will be considered for opening. Bids in any physical form sent through fax/e-mail/courier/post/delivered personally will not be considered.
3. Any addendum/Corrigendum date extension in respect of above tender shall be issued on our website [www.nirt.res.in](http://www.nirt.res.in) and website <https://eprocure.gov.in> only and no separate notification shall be issued in the press. Bidders are therefore requested to regularly visit our website to keep themselves updated.

Place: Chennai

Date: 18.04.2018

## **General TERMS & CONDITIONS**

### **Nature of items:**

Annual maintenance contract for Ro Plant – Water Softening & Deionizing Plant for Distilled Water

### **Annexure – I**

#### **1. Scope of Work:**

1. The tenders shall be submitted as per the technical specifications enclosed in Annexure – I
2. NIRT, Director reserves the right to accept or reject any or all tenders without assigning any reason thereof.

#### **2. Bid Submission and Opening:**

- a. The bid should be submitted online at website <http://eprocure.gov.in/eprocure/app> only by due date as in NIRT of the bid. The server date and time as appearing on the website only shall be considered for the cut-off date and time for submission of bids. Offers sent through post, fax, e-mail and courier or by any other mode will not be considered.
- b. Only those bidders shall be considered qualified by the NIRT, who submit requisite EMD, documents, accept all the terms and conditions of the tender document. The decision of NIRT shall be final and binding.

#### **3. Submission of Bids:**

- a. Only bids received on e-tendering portal will be considered for opening. Bids in any physical form sent through fax/e-mail/courier/post/delivered personally will not be considered.
- b. Bidder will be responsible for any delay due to other issues.
- c. The bidder has to digitally sign and upload the required documents one by one as indicated in the tender document.

#### **4. Submission of offer:**

The tender shall be submitted online in two cover system duly scanned and digitally signed by the authorized representative of the bidder as follows.

##### **A) Cover-1 (Techno-commercial Bid):**

Online Bid should be submitted containing copy of the following documents in cover-1 as documentary proof, for fulfilling qualifying criteria, failing which the offer shall be summarily rejected.

##### **B) Cover-2 (Price Bid):**

- a. The price must be quoted only in the price Bid format attached as BOQ.

#### **5. Validity of Tender:**

- a. The tender shall be valid for a period of 180 days from the date of opening of the tender.
- b. No representation for the enhancement of the prices of the accepted tender or alteration of the terms and conditions will be entertained till supplies are completed.

#### **6. Price:**

- a. The price shall be firm and shall include all applicable taxes and charges. The rates quoted shall be all inclusive, with the delivery upto destination i.e NIRT, Chennai
- b. All duties, taxes and other levies payable by the bidder under the contract shall be included in the total price.

#### **7. Payment:**

- a. After successful completion of AMC, payment will be made by NIRT, Chennai by NEFT transfer to the bank account.
- b. The tenderer shall submit the documents which shall full fill all the conditions mentions in annexure - 1
- c. 50% payment shall be made in at the end of 6<sup>th</sup> Month. Remaining payment will be made after the completion of AMC Period. No advance payment will be made.

TENDERER'S NAME & SIGNATURE WITH SEAL

ANNEXURE – I

**2. Scope of work(TECHNICAL BID)**

S. No.	Description
1.	<p><b><u>RO Plant:</u></b> Model 405 (1000 Ltrs per hour) Ion Exchanger <b><u>First Stage:</u></b></p> <ol style="list-style-type: none"><li>1. Raw water to general utility purpose<ol style="list-style-type: none"><li>a) sand filter-Daily</li><li>b) water Softener - Three days/week.</li></ol></li><li>2. General utility to RO plant<ol style="list-style-type: none"><li>a) Sand filter</li><li>b) Carbon filter</li></ol>Both should be back wash to be done daily.</li></ol> <p><b><u>Scope of work:</u></b></p> <ol style="list-style-type: none"><li>1. For Maintenance &amp; Operations for one year (Operator) -1 person<ol style="list-style-type: none"><li>a) weekly six days, Timings 7.00 am to 3.30 pm.</li></ol></li><li>2. Replacement of sand media RO System</li><li>3. Replacement of Activated carbon media RO system</li><li>4. Replacement of sand media softening system</li><li>5. Salt for Re-generation of existing softener.</li><li>6. Re - plenishing of Softener Resin</li><li>7. Charges for common salt required to be used for regenerating of softening plant (Twice in a week with common salt for 1 Year)</li><li>8. Antiscallant, Sodium Hypo and PH correction</li><li>9. Sediment Cartridges ( One year)</li><li>10. PH correction chemical(One year)</li><li>11. Replacing of filter and softener media.</li><li>12. Membrane cleaning &amp; Other maintenance</li></ol>
2.	<p><b><u>De-ionizing Plant for Distil water:</u></b></p> <ol style="list-style-type: none"><li>i) Replacement of cation Resin. Anion Resin, necessary consumables such as Caustic soda and HCL and all related work on <b>comprehensive basics</b>.</li></ol>

TENDERER'S NAME & SIGNATURE WITH SEAL

## ANNEXURE-II

### Bid Submission

#### Online Bid Submission:

The online bids must be uploaded online in two covers as explained below.

<b>Cover – I</b>			
(Following documents to be provided as single PDF file)			
S. No	Documents	Content	File Types
1.	Technical Bid	Compliance sheet with technical Specifications mentioned in Annexure-I	.PDF
2.		Online Bid Submission details (Annexure-II)	
<b>Cover - II</b>			
S. No	Types	Content	
1.	Financial Bid	Price Bid(BOQ) may be submitted as an BOQ for item quoted as per Annexure-I	Excel

TENDERER'S NAME & SIGNATURE WITH SEAL

**PRICE BID****Item No. 1:** AMC Charges for RO Plant & De-ionizing plant for distil water

Requirement by NIRT: **Ion exchange Brand-RO Plant 1000Ltrs per hour-  
Model 405**

S.No	Description	Rate per annum (Rs.)
1.	For Maintenance & Operations for one year (Operator) -1 person weekly six days, Timings 7.00 am to 3.30 pm.	
2.	Replacement of sand media RO System	
3.	Replacement of Activated carbon media RO system	
4.	Replacement of sand media softening system	
5.	Salt for Re-generation of existing softener.	
6.	Re - plenishing of Softener Resin Charges for common salt required to be used for regenerating of softening plant (Twice in a week with common salt for 1 Year)	
7.	Antiscallant, Sodium Hypo and PH correction	
8.	Sediment Cartridges ( One year)	
9.	PH correction chemical(One year)	
10.	Replacing of filter and 300 Ltrs of softner media	
11.	Membrane cleaning & Other maintenance	
12.	<p><b><u>De-ionizing Plant for Distil water:</u></b> (Required for Lab use - Approximately 1000Ltrs per month)</p> <p>i) Replacement of cation Resin. Anion Resin, necessary consumables such as Caustic soda and HCL and all related work on <b>comprehensive basis.</b></p>	

TENDERER'S NAME & SIGNATURE WITH SEAL