



अखिल भारतीय आयुर्विज्ञान संस्थान(छत्तीसगढ़) रायपुर ,
All India Institute of Medical Sciences, Raipur (Chhattisgarh)
Tatibandh,
Raipur-492 099 (CG)

क्रमांक /No. AIIMS/R/CS/CSSD/18/05/LPC

दिनांक: 05/05/2018

Notice for inviting Quotation for the supply & installation of RO Plant (500Lph) for CSSD Department at AIIMS Raipur.

कोटेशन सुचना
QUOTATION NOTICE

Sealed quotations are invited from intending registered Stockiest/ Distributors having GST/ relevant documents for the supply & installation of RO Plant (500Lph) for CSSD Department at AIIMS, Raipur should be submitted to Medical College Building, 2nd Floor, Gate no. 05 office of Store Officer up to 3:00 pm on **11th May 2018**, item description as per detailed bellow.

स. क्र. S. N.	सामग्री का विवरण Description of Item	मात्रा Qty.	HSN Code	ब्रांड Make/ Brand/ Model	इकाई दर Unit Price in ₹	कर GST in %	कर सहित इकाई दर Unit Price Incl. GST	कुल रकम Total Price in ₹.
1.	RO Plant (500Lph) विनिर्देश: (Specification): Detail technical specification as per Annexure-I	01 Set						

नियम एवं शर्तें:

Terms & Condition:

1. Rate should be mentioned in word and figures both.
2. Taxes/GST, if any (Should be clearly mentioned).
3. Delivery Schedule – within 15 days from the date of issue of PO.
4. No any additional documents related to this NIQ will be entertained after opening of NIQ.
5. Price should be F.O.R. Destination basis (CSSD Department).
6. LD @ 0.5% of delayed supply per week or part of week for delay of supply of material subject to maximum up to 10% of delayed supply should be deducted.
7. Quotation No/Name and Due date of opening must be written on top of the envelop.
8. 100% payment against received and acceptance of material.
9. **Brand and make should be clearly mentioned in offer as well as tender/quotation specific authorization may be submit with the offer/Bid.**
10. GST rate applicable on your quoted item may please be confirmed. HSN code for each item should be clearly mentioned.

11. Please confirm if there any change (Upward/Reduction) in your Basic Price structure. And you are also requested to pass the Input Credit as per the following Anti Profiteering Clause of GST.
“Upon Implementation of GST, any reduction in the rate of tax on supply of goods or service or the benefit of input tax credit shall be passed on to AIIMS Raipur by way of commensurate reduction in the prices”.
12. In the event of increase in price, detailed justification and supporting evidence may be submitted.
13. The GST registration details may please be furnished.
14. AIIMS Raipur reserves the right to place the order for full or part quantity to one or more items.
15. RTGS detail required for payment purpose.
16. No part supply of part payment will be entertained.
17. Validity of offer should not be less than 90 days.
18. It should have warranty of **2 years**.
19. The company should be ISO-9001:2008 certified.
20. Supply, installation and commissioning will be done by firm (if applicable).
21. The quantity shown in above requirement column are totally tentative, it can be increase and decrease at the time of placement of purchase order.
22. AIIMS Raipur reserve the right to ask the sample for evaluation before placement of order.

(सुशील सोनबेर)
भंडार अधिकारी
एम्स रायपुर (छ.ग.)

Technical Specifications- for RO Plant (500Lph)

Sr. No.	Description	Specification
1	Feed water TDS	1000 ppm max
2	Treated water TDS	Less than 30 ppm max.
3	System Recovery	60%
4	Service water flow	500 lit/hr.

Details for components used in our RO Plant. With process description**UNIT PROCES DESCRIPTION:**

Sr. No.	Description	Specification
1	RAW WATER PUMP	For inlet water
2	PRESSURE SAND FILTER	Removal of suspended impurities.
3	CARBON FILTER	Removal of Positive iron
4	MICRON -SCALANT DOSING	SDI reduction by removal of fine suspended impurities.
5	ANTI-SCALANT DOSING	Carbonate, silica scale inhibition & colloid stabilization
6	REVERSE OSMOSIS	Primary desalination or TDS Reduction over 90%

EQUIPMENT REQUIRED:

Sr. No.	Description	Specification
1	Raw water pump (RWP)	1 No.
2	Pressure sand Filter (PSF)	1 No.
3	Carbon Filter (CF)	1 No.
4	Chemicals Dosing System (CD)	1 No.
5	Micron filter (MF)	1 No.
6	Reverse Osmosis Plant (RO)	1 No.
7	Instrumentation	1 Set.

SCOPE OF SUPPLY**1. RAW WATER PUMP : 1 No.**

Sr. No.	Description	Specification
1	Raw water pump	1 No.
2	Power Consumption	0.5HP
3	Make	CRI or Similar
4	Type	Self-Priming
5	Pressure	3.5Kg/cm ²

2. DUAL MEDIA SAND FILTER : 1 No.

Sr. No.	Description	Specification
1	No. of units	1 No.
2	Diameter	10 Inch
3	Height	54 Inch
4	MOC	FRP
5	Type of Operation	Manual
6	Backwash Time	10-15 minutes
7	Size of Multi Port Valve	1 Inch

3. ACTIVATED CARBON FILTER : 1 No.

Sr. No.	Description	Specification
1	No. of units	1 No.
2	Diameter	10 Inch
3	Height	54 Inch
4	MOC	FRP
5	Type of Operation	Manual
6	Backwash Time	10-15 minutes
7	Size of Multi Port Valve	1 Inch

4. ANTI SCALING DOSING SYSTEM : 1 No.

Sr. No.	Description	Specification
1	Qty.	1 No.
2	Metering pump	6 LPH @ 3.5 Bar

5. CARTRIDGEFILTER HOUSING : 1 No.

Sr. No.	Description	Specification
1	No. of units	1 No.
2	Capacity	2 M3/hr.
3	MOC	FRP
5	Housing	1set
6	Length of Housing	20 Inch
7	Cartridges	1 set

6. HIGH PRESSURE PUMP : 1 No

Sr. No.	Description	Specification
1	Quantity	1 No.
2	Power Consumption	3HP
3	Make	LUBI/CRI or Similar
4	Type	Vertical Centrifugal Multi Stage
5	Flow	3 m3/hr
6	Pressure	10-12 kg/cm2

7. MEMBRANE HOUSING : 2 Nos.

Sr. No.	Description	Specification
1	Quantity	2 Nos.
2	MOC	FRP
3	Type	End ports
4	Diameter	4 Inch
5	Length	40 Inch

8. RO MEMBRANE : 2 Nos.

Sr. No.	Description	Specification
1	Quantity	2 Nos.
2	Membrane configuration	Spiral wound
3	Membrane polymer	Composite polyamide
4	Membrane make	TFC/ Hi-tech/GE/DOW/Equivalent
5	Diameter	4 Inch
6	Length	40 Inch
7	Rating	0.0001 Micron

9. RO SKID : 1 No.

Sr. No.	Description	Specification
1	Qty.	1 No.
2	MOC	ms
3	Capacity	RO 500Ltr.
4	Type	Rectangle

10. PIPING : 1 No.

Sr. No.	Description
1	Low pressure piping to be UPVC/ CPVC

11. RO INSTRUMENTATION & CONTROLS : 1 No.

Sr. No.	Description	Specification
1	Low pressure shutoff switch	1 No; Before High Pressure Pump
2	High pressure shutoff switch	1 No; After High Pressure Pump
3	Liquid filled pressure gauges	2 Nos; 0-7& 0-21 kg/cm ²
4	Tubular Rota meters	2 Nos; MOC-Acrylic
5	Conductivity indicator	1 No; Located in Control Panel

12. CONTROL PANEL : 1 No

Sr. No.	Description	Specification
1	Qty.	1 No.
2	Type of Operation	Manual/ Automatic
3	Supply	1 phase/ 3 Phase

13. ELECTRICITY CONSUMPTION : 1 UNIT PER HR

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