

Issued to: \_\_\_\_\_

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**BHARAT HEAVY ELECTRICALS LIMITED**  
**RAMACHANDRAPURAM :: HYDERABAD-32**  
Corporate Social Responsibility Cell

**TENDER DOCUMENTS**  
**PART B-PRICE BID**

**Name of the work:** "Supply and Installation of RO plant – 1500 LPH (including everything, Transportation, Installation, Labour Charges, etc) – under CSR works at following locations  
1) Jyothi Nagar, Ramachandrapuram.; 2) LIG – Rhythu Bazar, RC Puram.; 3) Near Five Temples (old RC puram) and 4) Old MIG – H.No.3, RC Puram, near Railway Track".

Tender Notice: **HY/CSR/2016-17/ULC Minutes, dated.09.12.2016, SI.No.1.**

**INDEX**

1. Price bid – Schedule of Rates

TENDERER  
Address:

ISSUING OFFICER

**SIGNATURE OF TENDERER**

**ACCEPTING AUTHORITY**

**BHARAT HEAVY ELECTRICALS LIMITED**

RAMACHANDRAPURAM - HYDERABAD -32

(Corporate Social Responsibility Cell)

Price Bid

**Name of Work: Supply & installation of R.O. (Reverse Osmosis) plant in Sangareddy District under CSR Works for the year 2016-17**

| Sl.No | Description of Work  | Qty | Rate (Rs.) | Amount (Rs.) |
|-------|--|-----|------------|--------------|
| 1     | Supply & Installation of RO Plant - 1500 LPH Capacity including everything (Transportation, installation charges, labour charges etc) complete in all respects as directed by engineer - in -charge in the following locations:<br>1. Jyothi Nagar, Ramachandrapuram.; 2. LIG - Rhythu Bazar, R.C. Puram.; 3. Near Five Temples (old RC Puram).; 4. Old MIG - H.No.3 RC Puram, Near Railway Track. | 4   | 200000     | 800000       |

Total: Rupees Eight Lakhs Only

Technical Specification of Proposed RO Plant under CSR Works for the year 2016-17

| S.No                           | Description  | Capacity | Units |
|--------------------------------|--|----------|-------|
| <b>A. PRETREATMENT SECTION</b> |  |          |       |
| 1                              | RO Plant Capacity  | 1500     | LPH   |
| 2                              | Raw Water Storage Tank (PVC),5000ltrs  | 1        | Nos   |
| 3                              | Raw Water Feed Pump, 2000 ltrs/hr flow rate, 1.5 HP, CRI/EQUILANT make Monoblock type pump.  | 1        | Nos   |
| 4                              | Pressure Sand Filter in PENTAIR WATER/leo make FRP/LLDPE composite vessel model 1465 with top mounting type Single lever operated 40 NB Multiport valve, duly filled with initial charge of filter media of graded sand and pebbles.         | 1        | Nos   |
| 5                              | Activated Carbon Filter in PENTAIR WATER/Aventura make FRP/LLDPE composite vessel model 1465with top mounting type Single lever operated 40 NB Multiport valve, duly filled with initial charge of filter media of activated carbon granules | 1        | Nos   |
| 6                              | Antiscalant Dosing System consisting of electronic diaphragm type dosing pump with suction and discharge tubes, Liquid Antiscalant holding tank in PP/HDPE, Injector Nozzles . e-dose/sidhu/equivalent make                                  | 1        | Nos   |
| 7                              | Inter connecting piping with necessary valves and fittings in UPVC construction  | 1        | Lot   |
| <b>B. RO SECTION</b>           |  |          |       |
| 8                              | Micron Cartridge Filter, 20" long, BIG jumbo BLUE type housing with 5 micron PP jumbo filter cartridge, Flow rate : 2000Ltrs/hr  | 2        | Nos   |
| 9                              | CRI/SHAKHTI/EQUIVALENT make High Pressure Pump, Vertical Multistage type centrifugal Pump, 4 -16 in SS construction  | 1        | Nos   |
| 10                             | PENTAIR WATER/ALFA/Equivalent make FRP Pressure Housings for R.O. Membranes, each suitable for 80 x 80 R.O.Membranes,  | 3        | Nos   |
| 11                             | HYDRANAUTICS/GE/equivalent make Reverse Osmosis Membranes 8" SIZE  | 2        | Nos   |

Signature of the Tenderer

Accepting Authority

|                           |  |   |     |
|---------------------------|--|---|-----|
| 12                        | Electrical Control Panel & Instrumentation. panel having the following instruments.<br>1. Pressure gauges : 2 nos.<br>2. Flow meters(Rotameters) (0 - 4000) : 2 nos.<br>3. Conductivity Indicators : 1 no.<br>4. Push Button Starters : 5 nos.<br>5. Glow lamp indicators : 5 nos. | 1 | Set |
| 13                        | SS Skid for mounting all the above 40 mm   | 1 | Nos |
| 14                        | Inter-connecting piping with necessary valves and fittings in UPVC and SS construction   | 1 | Lot |
| 15                        | Membrane Cleaning arrangement consisting of a chemical holding tank, inter connecting piping in UPVC.  | 1 | Set |
| 16                        | Blending line for mixing ACF water with RO product water with MCF and 100 LPH UV purifier.   | 1 | Set |
| 17                        | Inter-connecting UPVC piping with necessary valves   | 1 | Lot |
| <b>C. POST RO SECTION</b> |  |   |     |
| 18                        | S.S. Storage tank of 3000 ltrs capacity  | 1 | Nos |
| 19                        | 20" long Micron Cartridge Filter with 1 micron rating PP filter cartridge  | 1 | Set |
| 20                        | U.V. Water Purifier, 5000 LPH capacity   | 1 | Set |
| 21                        | Inter-connecting UPVC piping with necessary valves   | 1 | Lot |

Note: 1) if any necessary items required which are not incorporated in the above items shall be supplied and installed completely which is within the scope of the agency, complete as directed by engineer-in-charge; 2) There is no advance payment for the work, payment will be made after completion of the work in all respects; 3) The value of work for each RO plant of 1500 LPH is Rs. 2.00 Lakhs including everything all applicable taxes etc, transportation charges, installation charges etc; 4) Total value of work for 4 Nos. of RO plants - 1500 LPH is Rs. 8.00 Lakhs only.

|        |   |
|--------|---|
| Notes: |   |
| 1      | A penalty of 0.5% of the gross value of work will be levied for every week's delay of work subject to a maximum penalty of the gross value of work  |
| 2      | The Tender % age quoted by the contractor shall be inclusive of all taxes and duties other than service tax as applicable from time to time   |
| 3      | Service tax if paid by the contractor with respect to this work will be reimbursed by BHEL on production of documentary evidence for having paid the service tax by the contractor.                                       |
| 4      | All the bills of the contractors will be cleared subject to the production of clearance certificate by the contractors in respect of compliance of all statutory requirement, issued by IR section of HR department BHEL. |
| 5      | The agency shall submit the I.R. clearance certificate for the above work and arrange to get the final bill sent to Finance within one month from the actual date of completion of work.                                  |
| 6      | The maintenance period of the work is 12 months. The security deposit will be released after satisfactory completion of the work and after getting I.R. clearance and payment of final bill.                              |

**Note: Tenderers are required to quote their tender value on percentage basis at excess or less or on par with estimate value.**

| Tender %        | In words | Figures |
|-----------------|----------|---------|
| <b>Excess</b>   |          |         |
| <b>Less</b>     |          |         |
| <b>Estimate</b> |          |         |