

TECHNICAL SPECIFICATION
R.O. WATER PURIFIER (50 LTR./HR)

S. N.	Specification	Minimum Requirement
1	Permeate (Purified Water) Production Capacity	50 LPH
2	Operating Power Supply	230 ± 10% V AC, 50 Hz.
3	No. of stages for filter cum purifier	7
4	Stages details	Particulate Filter – >Pre Carbon Block Filter – >Anti Scalant Filter –> Sediment Filter –>Reverse Osmosis Membrane Filter –> Post Carbon Block Filter –> UV Chamber
5	RO Membrane Rating	4 No. x 80GPD or Equivalent
6	% of Purified Water Recovery (Minimum)	25%
7	% Rejection of TDS	90%
8	RO Membrane Flushing	Auto Flush @ Every Start, Every Stop and Every One Hour – For 1 Minute
9	Body Material	Fully Metallic Body Covered
10	Rate of Consumable like RO Membrane, Particulate Filter, carbon filter, Membrane Life enhancer Filter & UV Chamber should be Provided by bidder in BOQ in e-proc Portal.	
11	The Bidder should provide raw & product water quality Test certificate from any NABL certified Testing Laboratory with Installation Report.	

Other Terms & Conditions :

1. **Manufacturer should be ISO 9001:2008 certified.**
2. **Guarantee: Two years on equipment from the date of installation, which Includes minimum 2 routine Service Visit per Year with all Replacements of Filter / membranes/ UV Lamps etc. (If replacement required to restore proper functioning of Purification system).**
3. **Installation will be done by supplier free of cost including all parts like tubes, joints & attachments etc.**
4. **Firm should mention all the pre-installation requirements in technical bid.**
5. **The final technical approval of the items shall be after inspection of sample by technical committee at the time of technical bid evaluation.**
6. **Comprehensive Maintenance Service: CMC will be given @ 5 % (of net rate- inclusive of Excise Duty & exclusive of VAT/CST etc.) plus service tax (as applicable) and yearly escalation of 5 % on last year's CMC price. The CMC may be awarded for five years (on yearly basis) after Guarantee period of two years.**


Executive Director (EPM)
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