

**National Institute of Technology, Tiruchirappalli – 620015
Hostel Office**

Tender Notification No.: NITT/FTS/2018/002420/HOSTEL/RO **Dated:** 03.09.2018

With reference to the above cited tender notification, the pre-bid meeting was held on 07.09.2018 at 03.00 p.m in the Committee Room of Hostel Office. Based on the discussions, the following amendments were made.

Name of the Equipment: 500 LPH RO plant with 2 years AMC	
Original Tender Specification	Corrections/Amendments after the Pre-bid meeting
<ul style="list-style-type: none"> • FEED WATER STORAGE TANK : Existing Overhead Tank (Client's scope) • FEED PUMP : 1 No. <ul style="list-style-type: none"> Type : Centrifugal Pump (0.5 HP) Discharge capacity : 1750 litres/hr. Pump make : CRI or Equivalent • PRESSURE SAND & Carbon FILTER : 1 No. <ul style="list-style-type: none"> Output per hour : 1750 litres/hr Treatment / Vessel Size : Down flow / Dia. 12 x 48 inch Operating pressure : 1.5 to 3.5 kg/cm2 MOC of the vessel : FRP / MS FRP coated Multiport valve : 1 No (Size : 20 mm / 25 mm) Filtering media : Sand & Pebbles & Ac. Carbon • CHEMICAL DOSING SYSTEM : 1 No. <ul style="list-style-type: none"> Dosing pump : 1 No. Type : Electronic Diaphragm MOC : Polypropylene Capacity : Max. 5 lph @ 5 bar Head : Polypropylene Make : e-dose, or equivalent Dosing Chemical : Chemical for Scale control Chemical Tank : 50 lits. Capacity of HDPE tank • MICRON FILTER : 2 Nos. <ul style="list-style-type: none"> Capacity : 1500 liters/hr No. of Cartridges : 2 Nos. (5 Micron) Cartridge Size : 20" long MOC housing : Polypropylene In & Out Connection : 1" Operating pressure : 2.0 to 3.0 kg/cm2 • REVERSE OSMOSIS MEMBRANE : 2 Nos. <ul style="list-style-type: none"> Capacity : 500 liters/hr. Membrane type : Spiral wound TFC polyamide Size : 40" long & Dia. 4" Make : GE, Membranium or Eqvt. No. of membranes : 2 Nos. of 4040 • MEMBRANE HOUSING UNIT : 2 Nos. <ul style="list-style-type: none"> No. of Membrane Housing : 2 Nos. MOC of Membrane Housing : FRP / UKL make / Blue colour Size of Membrane Housing : 4" dia x 40" long • HIGH PRESSURE PUMP : 1 No. <ul style="list-style-type: none"> High pressure pump : 1 No. of SS 304 Make : CRI Pumps, or Eqvt. Model : MVC 2-15 Motor for pump : 2.0 HP / 3 PHASE Connecting piping & Fittings : CPVC / PVC • OTHER COMPONENTS : 1 set. <ul style="list-style-type: none"> Pressure Gauge (Gly .Filled)SS : 2 Nos. Rotometer meter : 2 Nos. Low & High pressure switch : 1 set. Electronic control panel : 1 No. (with Automatic storage level control) RO skid MS-powder coated : 1 No. Control valve / SS : 1 No. • CHEMICAL CLEANING SYSTEM : 1 No. <ul style="list-style-type: none"> CIP tank : 1 No. MOC of tank : HDPE Tank Capacity : 50 liters. • TREATED WATER STORAGE TANK : 1 No. (HDPE 1000 LITS capacity) • UV System 500 LPH / MOC : SS 304 : 1 No. • Post PP micron filtration 20" long : 1 No. • Ozone system 500 LPH : 1 No (operating in specific time interval) <p>AMC: Two years including maintenance charges, periodical replacement of membrane etc., consumables and labour charges. All accessories and spares required to run the plant non-stop. No. of visits should be mentioned in AMC.</p>	<p>No Change</p>

S. Pradeep

Purchase Initiators

C. S. Raj. N. L.

M. J. 21/9/18
Hostel Convener/H.O.D