

**19.08.2019**

**TAMILNADU MEDICAL SERVICES CORPORATION LTD.,**  
**TENDER FOR SUPPLY AND INSTALLATION OF VARIOUS EQUIPMENT TO DRUG**  
**TESTING LABORATORY**

**TENDER NO.471/DTL/TNMSC/ENGG/2019, DT.15.05.2019**

**CORRIGENDUM**

a) The following corrigendum are issued:-

<b>Sl. No.</b>	<b>Tender document reference</b>	<b>Instead of</b>	<b>Read as</b>
1.	Page No.66 Section VI: Technical Specification 2. Specification for Integrated Water Purification System Ultrapure (Type1) and Pure (Type 2) Water		Add the following text at end of the technical specification at <b>Annexure - I</b>

c) The following clarification are furnished:-

<b>Sl. No.</b>	<b>Tender document reference</b>	<b>Point Raised</b>	<b>Clarification Furnished</b>
1.	Page No.59 to 66 Section VI: Technical Specification 2. Specification for Integrated Water Purification System Ultrapure (Type1) and Pure (Type 2) Water	Request to clarify how much treated water required per hour/per day.	50 litres/hour or more for Industrial type RO.
2.	Page No.59 to 66 Section VI: Technical Specification 2. Specification for Integrated Water Purification	Request to clarify the type 1 water and type 2 water utilization.	Type 1 Water (2ml/min) for HPLC, LC-MS, LC-MS-MS, ICP-MS and Microbiological analysis. Type 2 water (10 litres/hour or

Sl. No.	Tender document reference	Point Raised	Clarification Furnished
	System Ultrapure (Type1) and Pure (Type 2) Water		more) for general purpose analysis in wet lab.

b) The Following due date are extended:

Sale Period : 28.08.2019

Last date and time for receipt of bids : 29.08.2019 up to 03.00 PM

Date and time of opening of bids : 29.08.2019 at 04.00 PM

All other terms and conditions of the tender remain unaltered.

The above forms part of the bidding documents. The bidder shall attach the copy of this corrigendum duly signed by their authorized signatory, in their bid.

**Sd/-  
General Manager (E)**

**ANNEXURE – I****The details of Raw Water:**

<b>Sl. No.</b>	<b>Parameters</b>	<b>Results</b>
1.	Odour	Agreeable
2.	Turbidity, NTU	<1
3.	pH Value	7.6
4.	Total Dissolved Solids (TDS)	1829 mg/l
5.	Total Hardness (as CaCO <sub>3</sub> )	600 mg/l
6.	Carbonate Hardness (as CaCO <sub>3</sub> )	-
7.	Non Carbonate Hardness (as CaCO <sub>3</sub> )	-
8.	Phenophtenlein Alkalinity (as CaCO <sub>3</sub> )	-
9.	Total Alkalinity (as CaCO <sub>3</sub> )	430 mg/l
10.	Calcium (as Ca)	120 mg/l
11.	Magnesium (as Mg)	73 mg/l
12.	Chloride (as Cl)	415 mg/l
13.	Sulphate (as SO <sub>4</sub> )	66 mg/l
14.	Iron (as Fe)	<0.01 mg/l
15.	Silica (as SiO <sub>2</sub> )	13 mg/l
16.	E.Coli	-
17.	Coliform Count	-

**The details for RO treated Water:**

<b>Sl. No.</b>	<b>Parameters</b>	<b>Required limit</b>
1.	pH Value	6.5-7.5
2.	Total Dissolved Solids (TDS)	<150 mg/l
3.	Total Hardness (as CaCO <sub>3</sub> )	<100mg/l
4.	Chloride (as Cl)	<125 mg/l
5.	Sulphate (as SO <sub>4</sub> )	<100 mg/l