



| Running Contract Details       |  |
|--------------------------------|--|
| Equipment Name                 | Water purification system Model B                  |
| Running Contract Valid Till    | 24-01-2021   |
| Tender Ref No                  | KMSCL/EP/T292/388B/2018                            |
| Tendered Quantity              | 15   |
| Supplier Name                  | M/s Scientific Medical Equipments (Kerala) Pvt Ltd |
| GST No                         | 32AAKCS0527M1ZA                                    |
| Installation & Delivery Period | 8 Week(s)  |
| Up-time / PM vist              | 95% & 4 Visits per year                            |
| Warranty period                | 3 Years  |

| Supplier`s Details   |                 |                             |
|--|-----------------|-----------------------------|
| Address  | Contact Details |                             |
| Eroor South<br>OPP. Kerala Water Authority<br>Trippunithura<br>Cochin-682 306. | Contact Person  | Bini                        |
|  | Phone           | 0484- 2776582, 0484-2780675 |
|  | Mobile No       | 9020304422                  |
|  | Email           | smekcochin@gmail.com        |

| Item-wise Price Details |  |   |                                    |                  |
|-------------------------|--|---|------------------------------------|------------------|
| #                       | Item Details   | Unit Rate<br>(Incl.all taxes & charges) | Service Charges<br>(Through KMSCL) | Grand Total      |
| 1                       | <b>Water purification system Model B</b><br><i>Model &amp; Make : Elix 3 &amp; Synergy / Merck Millipore</i> | 836974<br>Incl.GST :18%                 | 58588.18                           | 895562.18        |
|                         |  | <b>836974</b>                           | <b>58588.18</b>                    | <b>895562.18</b> |

| Annual / Comprehensive Maintenance Charges (Exl.Tax) |                      |                      |                      |                      |                      |                      |                       |
|--|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-----------------------|
| Rate   | 4 <sup>th</sup> Year | 5 <sup>th</sup> Year | 6 <sup>th</sup> Year | 7 <sup>th</sup> Year | 8 <sup>th</sup> Year | 9 <sup>th</sup> Year | 10 <sup>th</sup> Year |
| <b>Water purification system Model B</b>             |                      |                      |                      |                      |                      |                      |                       |
| Labour   | 23,700.00            | 24,885.00            | 26,100.00            | 27,405.00            | 28,775.00            | 30,200.00            | 31,750.00             |
| Comprehensive  | 1,17,100.00          | 1,23,000.00          | 1,29,000.00          | 1,35,500.00          | 1,42,350.00          | 1,49,500.00          | 1,57,000.00           |

**Other terms & conditions**

1. The supplier shall execute an agreement with the purchaser as per tender conditions (agreement format is given in the tender

document).

2. The supplier shall submit performance security amounting to 5% of the value of the supply order.
3. The labour & comprehensive charges of equipment after the completion of warranty period is finalized by KMSCL as mentioned above.
4. Since discount rate is not applicable for equipment under Running Contract of KMSCL, purchase/supply order can be issued directly to supplier at the given rate with tax & other charges (exclusive of KMSCL service charges).
5. If purchase/supply order is issued directly to the supplier, KMSCL service charge need not be paid. But the copy of the said order may be forwarded to KMSCL for information.

### **Technical Specification**

#### **Equipment : Water purification system Model B**

1. Water purification system should supply type 2 and type 1(Ultra-pure) water.
2. Should provide separate water system to produce type 2 and ultra-pure water.
3. The system should produce at least 3 Ltr/hr type 2 grade water.
4. Conductivity meter present before and after RO to measure the performance of the system.
5. Mixed bed ion Electro deionisation module with auto regeneration by a weak electric current.
6. Carbon beads at cathode of the EDI module to prevent scaling of the module.
7. There should be one cartridge followed by RO and then EDI module. The bidder shall replace all cartridges used in the system at free of cost in the warranty and CAMC period whenever required.
8. Ultra-pure (Type 1) water purification system-product quality: Feed water should be type 2 grade water. It should have conductivity meter, should be Pharmaceutical grade, final filter with 0.22-micron membrane filter in stack disc configuration.
9. Detailed graphical flow chart has to mention in product catalogue.
10. 50 Litre or higher volume PE tank should be supplied.
11. One extra set of all cartridges should be supplied along with equipment.
12. All the necessary materials to make the system fully functional including water connectors, valves for the equipment-water feed must be supplied.
13. Type 2 product water specifications
  - a) Resistivity : > 5 Meg Ohm.cm (typically 10-15)
  - b) TOC : <30 ppb
  - c) Water Recovery :15-18%
14. Type 1 product water specifications
  - a) Ultra-pure water (Type 1) flow rate (L/Minute) : 1 L/Minute
  - b) Resistivity : 18.2 Mega Ohm.cm (at 25°C)
  - c) Conductivity : <0.055uS/cm

d) TOC : <10 ppb

e) Bacteria : <1cfu/mL

15. Should have safety certificate from a competent authority CE issued by a notified body registered in European commission / FDA (US) / STQC CB certificate / STQC S certificate or valid detailed electrical and functional safety test report from ERTL. Copy of the certificate / test report shall be produced along with the technical bid.

16. AMC rate without consumables should quote.

17. CAMC should include all consumables &spares