

SCHEDULE OF REQUIREMENT

SI No.	Description of items	Quantity
PUR/526/SET/AM/E/2019-20		
1	SUPPLY AND INSTALLATION OF SALT SPRAY CHAMBER SET UP FOR CORROSION STUDY	1

1. INSTALLATION, COMMISSIONING AND TRAINING

- 1.1. The ordered goods are required to be installed and commissioned within 15 days of receipt of goods at final destination. Installation should be carried out only by expert engineers of Supplier / Manufacturer. During the course of installation, necessary training on operation and maintenance of the goods shall be imparted to Institute's Scientist / Engineers/Technicians.

2. WARRANTY

- 2.1. Comprehensive on-site warranty for a period of ONE YEAR must be provided to be effective from the date of successful completion of installation and commissioning and final acceptance of the items / equipment at the user's laboratory / Institute.

Annexure-1

SL No	Technical Specification	Description
1.	Construction of chamber	Inside: Stainless steel with corrosion resistant Fiber reinforced plastic. Outside: stainless steel with transparent lid (plexi glass) to observe the sample under test.
2.	Volume of inner chamber	120-130 Liters
3.	Capacity of tank	40-50 Liters
4.	Test type	Neutral salt solution and acidic solution test
5.	Temperature Range	Ambient to 60°C
6.	Temperature sensor	PT-100
7.	Spray quantity	1.0-2.0 ml/80cm ² per hour
8.	Temperature uniformity	$\leq \pm 2-3^{\circ}\text{C}$
9.	Temperature Control	Programmable login controller with auto tune type, data storage, digital display.
10.	Air Pressure	$1.00 \pm 0.01 \text{ kg/cm}^2$
11.	Air Pressure Regulator	Required.
12.	Timer	0 to 10000 minutes
13.	Cover	Acrylic sheet with viewing window (transparent).
14.	Atomizer	Zero choke inlet material atomizer.
15.	Drainage facility	Nozzle type
16.	Wheel facility	Lockable castor wheels
17.	Power Supply	Single phase 220 volt, 50 Hz, 3 Kw
18.	Air Compressor	~1 HP
19.	P ^H Value for testing	0-7
20.	Insulation	Glass wool
21.	Sample holder	Dual type sample holder (tray and hanging facility)
22.	Test standard	ASTM B117

NA
27/12/19

Banoji
26/12/19