

**DEPARTMENT OF METALLURGICAL AND MATERIALS ENGINEERING  
NATIONAL INSTITUTE OF TECHNOLOGY: TIRUCHIRAPPALLI - 620 015**

19.12.2013

**Minutes of the Pre-Bid conference**

**Tender Notification No.: NITT /F.NO: 002/UG LAB MODERNISATION/PLAN 2013-2014/MME**


The pre-bid conference was held on 19.12.2013 at 11.30 a.m. in the committee room of MME to discuss the specification published in the tender. All other terms and conditions mentioned in the tender document remains same.

Based on the discussion, the committee recommends the following amendments to the specification.

**Specification for Accelerated Corrosion Chamber**

	Original tender specification	Amended specification
<b>ITEM</b>	<b>SEPCIFICATIONS</b>	
Chamber Capacity	430-460 Ltrs	No Amendment
Mounting Format	Floor standing	No Amendment
Loading threshold	780-820mm	No Amendment
Chamber external dimensions, max W, D, H	1650-1670mm, 830-850mm , 1500-1520mm	No Amendment
Chamber internal dimensions, max W, D, H	1000-1020mm , 630-650mm , 1130-1150mm	No Amendment
Salt solution reservoir ext. dimensions W, D, H	450- 470mm, 610-630mm, 660-680mm	No Amendment
Salt solution reservoir capacity	75-85Ltrs	No Amendment
Removable slotted sample racks	6 racks, 28 angled slots	No Amendment
Salt spray mode	Adjustable from ambient to 50 degree	No Amendment
Salt spray fall out rates	Adjustable from 0.5 to 2.5 ml per 80cm <sup>2</sup> per hour	No Amendment
Drying mode temperature range	Adjustable from ambient to 70 degree C	No Amendment
Wetting mode temperature range	Adjustable from ambient to 60 degree C, Humidity range should be (95% - 100%) RH	No Amendment
Chamber construction	Glass reinforced plastic, Polypropylene / PVC parts	No Amendment
Low loading threshold	For loading & unloading the samples	No Amendment
Color	Standard	No Amendment
Open & close can	Pneumatically operated	No Amendment
Accessibility	A real time, user configurable clock to enable different test samples to be batched and have their exposure time monitored separately, with alarms to warn when a pre-set test period has been completed. Machine should have Purge specialty & Interior viewing window specialty. Full colour touch screen control interface for ease of programming.	No Amendment

Required accessories		
Electrical Accessories	Required MCB, fuses and other necessary electrical accessories for 3 phase supply to be quoted.	No Amendment
Air Pressure System	The required air pressure system (air compressor unit) should be quoted along with main system.	No Amendment
Operating Environment Conditions	Proper cooling unit is required to attain +15°C to +30°C	No Amendment
Stabilizer	5 KVA industrial stabilizer	No Amendment
Tools and Cabinet	Required Tools and Consumables Storage Cabinet	No Amendment
Hand held pH meter	Digital pH meter, for measuring the pH of salt solution fallout over range 0-14 pH with a resolution of 0.01 pH	No Amendment
Recording and Monitoring System	Higher end sophisticated system	No Amendment
Testing Standards		The equipment may be able to perform test according to the following standards, <ul style="list-style-type: none"> <li>➤ Cyclic corrosion test confirms to CCT1, CCT2, GM9540P, JIS H 8502 METHOD 4 or 5, etc...</li> <li>➤ Condensation humidity test confirms to DIN 50 017-KK &amp; KFW, SWATT test, etc...</li> <li>➤ Salt spray test confirms to ASTM B117, CASS, ISO 9227, ASTM B368, VG95210, etc...</li> <li>➤ Apart from the above standards SO<sub>2</sub> - Test facility – may be quoted as optional</li> </ul>
Full technical Specification with Pamphlet required		No Amendment

  
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