
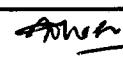
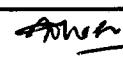
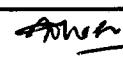

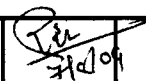


दिनांक एवं हस्ताक्षर SIGN & DATE		उत्पाद क्रय विनिर्देश PRODUCT PURCHASE SPECIFICATION		PR00205 पृष्ठ 1 का 2 Page 1 of 2																																																																	
SUPERSEDES INVENTORY NO. सामग्री सूची संख्या को अधिकृतित करता है	ION CHROMATOGRAPHY																																																																				
<p>1. APPLICATION : Measurement of Anions, Cations and Transition Metals.</p> <p>2.0 TECHNICAL SPECIFICATION : The main equipment should consists of:</p> <p>2.1 Pump</p> <p style="margin-left: 20px;">Type : High pressure Dual Piston type.</p> <p style="margin-left: 20px;">Flow Rate : 0.001 to 10 mL/min in increment of 0.001 mL/min</p> <p style="margin-left: 20px;">Flow Accuracy : $\pm 0.1\%$</p> <p style="margin-left: 20px;">Operating pressure : 0 – 35 MPa</p> <p style="margin-left: 20px;">Pulsation : 1 %</p> <p>2.2 Detector</p> <p style="margin-left: 20px;">Type: Conductivity detector</p> <p style="margin-left: 20px;">Conductance display range : 0.01-5000 $\mu\text{S/cm}$</p> <p style="margin-left: 20px;">Resolution : 0.1nS.</p> <p>2.3 Column Oven</p> <p style="margin-left: 20px;">Temp Range : Ambient to 70° C in 0.1° C increment</p> <p style="margin-left: 20px;">Temp stability : $\pm 0.2^\circ\text{C}$</p> <p style="margin-left: 20px;">Temperature compensation : 0 – 5 % per deg C (user selectable/ programmable/ automatic temp compensation).</p> <p>2.4 Calibration: The system should have inbuilt system to carry out multilevel calibrations using single concentration standard.</p> <p>2.5 Ion Chromatography (IC) Columns : IC columns for analyses of anions, cations, Silicate (low ppb) and transition metals should be individually quoted with respective guard columns.</p> <p>2.6 Data Processor : A PC based data acquisition & processing system along with complete system control should be offered. The necessary software should be fully Windows based. The software should be able to control the system.</p>																																																																					
<div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <p style="text-align: center;">स्वाधिकाए एवं गोपनीय</p> <p style="font-size: small;">इस प्रलेख में दी गई सूचना भारत हेवी इलेक्ट्रिकल्स की संपत्ति है इसका प्रत्यक्ष एवं अप्रत्यक्ष रूप से किसी भी तरह प्रयोग, जो कि कंपनी के हित में हानिकारक हो न किया जाए ।</p> </div> <div style="width: 55%;"> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 15%;"></td> <td style="width: 20%;">नाम NAME</td> <td style="width: 20%;">दिनांक एवं हस्ताक्षर SIGNATURE & DATE</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>अनुवादक TRANSLATED BY</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>निर्माणकर्ता WORKED BY</td> <td>(K.Keshav)</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>जांचकर्ता CHECKED BY</td> <td>(K.Keshav)</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td>पर्यवेक्षणकर्ता SUPERVISED BY</td> <td>(M.K.Ghosh)</td> <td></td> </tr> <tr> <td>सहमता विभाग AGREED DEPTT.</td> <td>नाम NAME</td> <td>दिनांक एवं हस्ताक्षर DATE & SIGNATURE</td> <td colspan="3"></td> </tr> <tr> <td colspan="3"></td> <td>स्वीकृति APPROVED :</td> <td colspan="2" rowspan="2" style="text-align: center; vertical-align: middle;">  718109 </td> </tr> <tr> <td colspan="3"></td> <td>(M.K.Ghosh)</td> </tr> <tr> <td>REV.NO.</td> <td>0D</td> <td></td> <td>निर्माण PREPARED :</td> <td>जारी ISSUED :</td> <td>दिनांक DATE :</td> </tr> <tr> <td>Dt.</td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table> </div> </div>										नाम NAME	दिनांक एवं हस्ताक्षर SIGNATURE & DATE										अनुवादक TRANSLATED BY						निर्माणकर्ता WORKED BY	(K.Keshav)					जांचकर्ता CHECKED BY	(K.Keshav)					पर्यवेक्षणकर्ता SUPERVISED BY	(M.K.Ghosh)		सहमता विभाग AGREED DEPTT.	नाम NAME	दिनांक एवं हस्ताक्षर DATE & SIGNATURE							स्वीकृति APPROVED :	 718109					(M.K.Ghosh)	REV.NO.	0D		निर्माण PREPARED :	जारी ISSUED :	दिनांक DATE :	Dt.					
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	PRODUCT PURCHASE SPECIFICATION		पृष्ठ 2 का 2 Page 2 of 2		
SUPERSEDES INVENTORY NO.	<p>2.7 Power Supply : 220Volts AC \pm 10 % , 50 Hz \pm3% single phase.</p> <p>3.0 AMBIENT CONDITION: Equipment shall be suitable for operation in ambient temperature (from 0 to 50 degree Celsius) and relative humidity of 2 to 98%</p> <p>4.0 <u>General Terms & Conditions</u></p> <p>4.1 Document : Two hard copies & 2 CDs of O&M manual in English language giving complete technical information for operation and maintenance of the equipment including circuit diagram shall be supplied.</p> <p>4.2 Installation and Commissioning : The supplier shall Install & commission the Equipment at site, Supplier should demonstrate the performance of the Equipment and all its accessories to ensure compliance with complete specifications & parameters quoted by them to the satisfaction of BHEL/end user free of cost.</p> <p>4.3. Training: Supplier shall give necessary training to user at the time of Installation & commissioning.</p> <p>4.5 Guarantee: The equipment shall be guaranteed for satisfactory performance for a period of 12 months from the date of commissioning and 18 months from the date of dispatch whichever is earlier.</p> <p>4.6 Consumables: (i) Supplier should quote separately (for reference only) for consumables with quantity and prices item wise for operation of the equipment for 3 years.</p> <p>4.7. Packing & Dispatch : The equipment / accessories shall be packed in a suitable water proof/vibration proof packing boxes capable of bearing air and road transit hazards. Packing box shall be properly identified and marked with BHEL's Purchase Order Number.</p> <p>5.0. CROSS REFERRED DOCUMENT: Nil</p>				
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