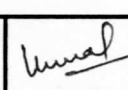
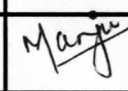


दिनांक एवं हस्ताक्षर SIGN & DATE		उत्पाद क्रय विनिर्देश PRODUCT PURCHASE SPECIFICATION	TG60457 पृष्ठ 2 का 1 Page 1 of 2																																
SUPERSEDES INVENTORY NO. सामग्री सूची संख्या को अधिनिर्देशित करना है	EMPTY CARBONDIOXIDE CYLINDER																																		
COPYRIGHT AND CONFIDENTIAL The information on this documents is the property of Bharat Heavy Electrical Limited. It must not be used directly or indirectly in any way detrimental to the interest of the company	1.0 SCOPE This specification covers the design, manufacture, testing and supply of EMPTY SEAMLESS CARBONDIOXIDE CYLINDER As per the requirements specified here in.																																		
	2.0 STANDARD APPLICABLE Latest addition of IS: 3224, IS:7285 & ISO: 11117																																		
	3.0 DIMENSIONS a. Outside diameter : 232mm. b. Cylinder wall thickness : 5.4 mm.(Min) c. Overall length : 1450mm																																		
	4.0 DESIGN The top end should be necked down to 2"dia. And screwed internally to dia 1"standard taper 1 in 8, 14 TPI to IS: 3224. The bottom of cylinder shall be concave.																																		
स्वत्वाधिकार एवं गोपनीय इस दस्तावेज में दी गई सूचना भारत हेवी एलेक्ट्रिकल्स की संपत्ति है। इसका उपयोग एवं प्रसारण के बिना की जाने वाली प्रतिलिपि को कानून के तहत दंडनीय माना जाएगा।	5.0 FITTINGS The Gas cylinder should be complete with the following fittings/accessories. a. Neck collar (Neck Ring) b. Valve guard as per ISO: 11117. c. Outlet valve to IS:3224 d. Syphon tube e. Safety valve/ bursting disc																																		
	6.0 CAPACITY a. Water capacity : 46.7 Liters b. Volume of Gas at NTP : 17.4M ³ (app.)																																		
दिनांक एवं हस्ताक्षर SIGN & DATE	दिनांक एवं हस्ताक्षर SIGNATURE & DATE	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>TSX</td> <td>DEEPAK</td> <td>TRANSLATED BY</td> <td></td> </tr> <tr> <td>PSC Member</td> <td>R. KUMAR</td> <td>WORKED BY</td> <td>Kunal Mishra</td> </tr> <tr> <td>QAX</td> <td>NIKHIL</td> <td>CHECKED BY</td> <td>Manju Azad</td> </tr> <tr> <td>सहमत विभाग AGREED DEPTT.</td> <td>नाम NAME</td> <td>पर्यवेक्षणकर्ता SUPERVISED BY</td> <td>Roshanlal Vyas</td> </tr> <tr> <td colspan="2"></td> <td>स्वीकृति APPROVED : A. K. MALHOTRA (AGM / EME)</td> <td>Gr. NO.</td> </tr> <tr> <td>REV.NO.</td> <td>02</td> <td>निर्माण PREPARED : TGE</td> <td>जारी ISSUED : TSX</td> </tr> <tr> <td>Date</td> <td>05.02.2016</td> <td colspan="2">दिनांक DATE : 01.11.1993</td> </tr> <tr> <td>CHANGE ADVICE NO.</td> <td>TGE-16-10</td> <td colspan="2"></td> </tr> </table>		TSX	DEEPAK	TRANSLATED BY		PSC Member	R. KUMAR	WORKED BY	Kunal Mishra	QAX	NIKHIL	CHECKED BY	Manju Azad	सहमत विभाग AGREED DEPTT.	नाम NAME	पर्यवेक्षणकर्ता SUPERVISED BY	Roshanlal Vyas			स्वीकृति APPROVED : A. K. MALHOTRA (AGM / EME)	Gr. NO.	REV.NO.	02	निर्माण PREPARED : TGE	जारी ISSUED : TSX	Date	05.02.2016	दिनांक DATE : 01.11.1993		CHANGE ADVICE NO.	TGE-16-10		
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३ हस्ताक्षर SIGN & DATE		उत्पाद क्रय विनिर्देश PRODUCT PURCHASE SPECIFICATION		TG60457	
				पृष्ठ 2 का 2 Page 2 of 2	
SUPERSEDES INVENTORY सामग्री सूची संख्या को अतिरिक्तित करता है	7.0 WORKING PRESSURE: Filling Pressure : 150kg/cm² (g) at 15°C (max.) 8.0 MATERIAL The cylinders shall conform to IS: 7285 and shall be made of seamless steel tubes high carbon manganese steel. The valve body shall be made of brass and internals of stainless steel. 9.0 TEST REQUIREMENTS OF CYLINDERS: As per IS: 7285 10.0 PAINTING AND MARKING ON CYLINDERS To be as per IS: 7285 11.0 INFORMATION REQUIRED WITH THE OFFER Cylinder drawing indicating the following details: a. The standard to which cylinder and fitting conform. b. Capacity, size and wall thickness of cylinder. c. Details and arrangement of fittings. d. Minimum wall thickness of cylinder. e. Working pressure, pneumatic test pressure, hydraulic test pressure and hydraulic stretch test pressure and hydraulic stretch test pressure. f. Filling ratio of cylinder 12.0 TEST CERTIFICATES a. Test certificates for all tests indicate in clauses 9.0 of this specification. b. Manufacturer shall be furnish inspection certificates from BIS and approval certificates form from Dept. of Explosives, Nagpur. 13.0 GENERAL a. The offers submitted shall be strictly in line with the requirements specified in this specification. b. All the documents as required in clause 11 and 12 shall be submitted in 5 copies. 14.0 BASED ON: BHEL Experience 15.0 CROSS REFERRED STANDARD: IS: 3224, IS: 7285 & ISO: 11117				
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निष्कासक एवं हस्ताक्षर SIGN & DATE					
सामग्री सूची संख्या INVENTORY १६५७	REV. NO. 02		निर्माणकर्ता WORKED BY Kunal Mishra		05/02/16
			जांचकर्ता CHECKED BY Manju Azad		05/02/16