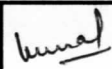
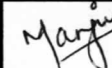


दिनांक एवं हस्ताक्षर SIGN & DATE	SUPERSEDES INVENTORY NO.	सामग्री सूची संख्या को अपडेट करने हेतु	COPYRIGHT AND CONFIDENTIAL The information on this documents is the property of Bharat Heavy Electrical Limited It must not be used directly or indirectly in any way detrimental to the interest of the company	स्वत्वाधिकार एवं गोपनीय इस दस्तावेज में दी गई सूचना भारत हेवी इलेक्ट्रिकल्स की सम्पत्ति है इसका प्रयोग एवं प्रसारण के बिना की जाये नहीं। जो कि कम्पनी के हित में होनेका आवश्यक है।	दिनांक एवं हस्ताक्षर SIGN & DATE	सामग्री सूची संख्या INVENTORY NO.	उत्पाद क्रय विनिर्देश PRODUCT PURCHASE SPECIFICATION TG60462 पृष्ठ 2 का 1 Page 1 of 2 EMPTY NITROGEN CYLINDER 1.0 SCOPE This specification covers the design, manufacture, testing and supply of EMPTY SEAMLESS NITROGEN CYLINDER As per the requirements specified here in. 2.0 STANDARD APPLICABLE Latest addition of IS: 3224, IS:7285 & ISO: 11117 3.0 DIMENSIONS <table style="width:100%; margin-top: 5px;"> <tr> <td style="width:40%;">a. Outside diameter</td> <td style="width:10%;">:</td> <td style="width:50%;">232mm.</td> </tr> <tr> <td>b. Cylinder wall thickness</td> <td>:</td> <td>5.4 mm.(Min)</td> </tr> <tr> <td>c. Overall length</td> <td>:</td> <td>1445mm</td> </tr> </table> 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. 5.0 FITTINGS The Gas cylinder should be complete with the following fittings/accessories. <table style="width:100%; margin-top: 5px;"> <tr> <td style="width:40%;">a. Neck collar (Neck Ring)</td> <td style="width:10%;">:</td> <td style="width:50%;">46.7 Liters</td> </tr> <tr> <td>b. Valve guard as per ISO: 11117.</td> <td>:</td> <td>7 M³ (app.)</td> </tr> <tr> <td>c. Outlet valve to IS:3224</td> <td>:</td> <td></td> </tr> </table> 6.0 CAPACITY <table style="width:100%; margin-top: 5px;"> <tr> <td style="width:40%;">a. Water capacity</td> <td style="width:10%;">:</td> <td style="width:50%;">46.7 Liters</td> </tr> <tr> <td>b. Volume of Gas</td> <td>:</td> <td>7 M³ (app.)</td> </tr> </table> 7.0 WORKING PRESSURE: 150kg/cm²	a. Outside diameter	:	232mm.	b. Cylinder wall thickness	:	5.4 mm.(Min)	c. Overall length	:	1445mm	a. Neck collar (Neck Ring)	:	46.7 Liters	b. Valve guard as per ISO: 11117.	:	7 M ³ (app.)	c. Outlet valve to IS:3224	:		a. Water capacity	:	46.7 Liters	b. Volume of Gas	:	7 M ³ (app.)
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				नाम NAME	दिनांक एवं हस्ताक्षर SIGNATURE & DATE
TSX	DEEPAK	DEEPAK	अनुवादक	TRANSLATED BY	
PSC Member	R KUMAR	R KUMAR	निर्माणकर्ता	WORKED BY	Kunal Mishra 05/02/16
QAX	NISHU	NISHU	जांचकर्ता	CHECKED BY	Mnaju Azad 06/02/16
सहमत विभाग AGREED DEPTT.	नाम NAME	दिनांक एवं हस्ताक्षर DATE & SIGNATURE	पर्यवेक्षणकर्ता	SUPERVISED BY	Roshanlal Vyas 11/2/16
			स्वीकृति		
			APPROVED : A. K. MALHOTRA (AGM / EME)		
REV. NO.	02	SUPERSEDES	निर्माण	ज़ारी	दिनांक
Dt.	05.02.2016		PREPARED : TGE	ISSUED : TSX	DATE : 01.11.1993
CHANGE ADVICE NO.	TGE-16-11	17/02/16			

न हस्ताक्षर SIGN & DATE		उत्पाद क्रय विनिर्देश PRODUCT PURCHASE SPECIFICATION		TG60462	
				पृष्ठ 2 का 2 Page 2 of 2	
SUPERSEDES INVENTORY मासिक सूची संख्या को अपडेट किया जाता है	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: - The standard to which cylinder and fitting conform. - Capacity, size and wall thickness of cylinder. - Details and arrangement of fittings. - Minimum wall thickness of cylinder. - Working pressure, pneumatic test pressure, hydraulic test pressure and hydraulic stretch test pressure and hydraulic stretch test pressure. - Filling ratio of cylinder 12.0 TEST CERTIFICATES - Test certificates for all tests indicate in clauses 9.0 of this specification. - Manufacturer shall be furnish inspection certificates from BIS and approval certificates form from Dept. of Explosives, Nagpur. 13.0 GENERAL - The offers submitted shall be strictly in line with the requirements specified in this specification. - 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				
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	स्वत्वाधिकार एवं गोपनीय इस प्रलेख में दी गई सूचना भारत हेवी एलेक्ट्रिकल्स की सम्पत्ति है इसका प्रयोग एवं अनावरण के बिना या बिना की कम्पनी के हित में होना न चाहिए।				
न हस्ताक्षर SIGN & DATE 20/02/16	न हस्ताक्षर SIGN & DATE 20/02/16				
मासिक सूची संख्या INVENTORY NO P-5970	REV. NO. 02		निर्माणकर्ता WORKED BY Kunal Mishra		05/02/16
			जांचकर्ता CHECKED BY Manju Azad		05/02/16