

	उत्पाद मानक PRODUCT STANDARD		HG 1Q113 Rev-00
			पृष्ठ 1 का 3
<u>SPECIFICATION FOR GLOBE VALVE</u>			
1.0 GENERAL	These valves will be used for flow control of cooling water / oil in piping circuits of hydro generator. Each of the valves shall be as per the specification. Valves to be designed suitably for use in a damp / humid environment for a long period.		
2.0 CONSTRUCTION	The valves shall be Cast Steel (ASTM A 216 Gr WCB), conventional type globe valve of size as specified in the enquiry.		
The valves shall be designed as per API 623 with flanges at both ends. Flanges shall be designed as per IS-6392, TABLE-17 Class 16. In case vendor deviates from IS-6392 (for flanges) then vendor has to supply additional 2 nos. matching flanges with each valve. This is to be clearly mentioned in the offer by the vendor.			
The valve shall consist of following features :-			
• Bolted Bonnet • Outside Screw & Yoke • Rotating Rising Stem • Rising Hand Wheel • Stop – check • Guided Disc • Metallic Seating Surface • Flanged Ends			
Material for various parts of valve shall be as per Table 7 & 8 of API 623.			
The valve shall have back seat arrangement that should be suitable for re-packing under pressure when valve is fully open.			
The valves shall be designed to withstand pressure as per CLASS 150 of ASME B 16.34 (Temperature range up to 50 °C).			
General marking on valves to be done as per ASME B16.34 & API 623. Direction of rotation of hand wheel to be marked by an arrow. To indicate fully open / closed valve, pointer to be provided for visual inspection.			
Every valve shall be fitted with a mechanical device allowing it to be locked in the “open” and “close” position using a padlock.			
संशोधन :	हाइड्रोजनरेटर इंजीनियरिंग विभाग भारत हेवी इलेक्ट्रिकल्स लिमिटेड तैयारकर्ता JSY/KP/DKC अनुमोदनकर्ता AB/BKS जारी करने की दिनांक 20.04.17		

गोपनीय एवं अधिकार सुरक्षित इस प्रपत्रा पर दी गई जानकारी भारत हेवी इलेक्ट्रिकल्स लिमिटेड की सम्पत्ति है इसे प्रत्यक्ष या अप्रत्यक्ष रूप से कम्पनी के हितों को नुकसान पहुँचाने के लिए कदापि उपयोग नहीं किया जावे

		उत्पाद मानक PRODUCT STANDARD	HG 10113 Rev-00 पृष्ठ 2 का 3																	
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	<table border="1"> <thead> <tr> <th>TEST</th><th>STANDARD</th><th>EXTENT OF TESTING</th><th>CERTIFICATE REQUIRED</th></tr> </thead> <tbody> <tr> <td>Inspection & Examination of valve</td><td>API 623 & API 598</td><td>100%</td><td>Test Certificate (TC) (3 copies each)</td></tr> <tr> <td>Pressure Testing</td><td>API 623 & API 598</td><td>100%</td><td>Test Certificate (TC) (3 copies each)</td></tr> <tr> <td>Dimensional Check of Flanges</td><td>IS 6392 Table -17 / Applicable Standard</td><td>100%</td><td>Dimensional Report (3 copies each)</td></tr> </tbody> </table>	TEST	STANDARD	EXTENT OF TESTING	CERTIFICATE REQUIRED	Inspection & Examination of valve	API 623 & API 598	100%	Test Certificate (TC) (3 copies each)	Pressure Testing	API 623 & API 598	100%	Test Certificate (TC) (3 copies each)	Dimensional Check of Flanges	IS 6392 Table -17 / Applicable Standard	100%	Dimensional Report (3 copies each)			
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4.0 DOCUMENTS TO BE FURNISHED BY SUPPLIERS																				
Suppliers shall furnish following information :-																				
(A) With Offer :-																				
• Drawings showing major dimensions with flanges connection at both ends. • Supplier to confirm that valve can be mounted in both horizontal and vertical direction.																				
(B) After placement of PO :-																				
• 3 copies of general Arrangement drawing for information of BHEL • 3 copies of QA plan for approval by BHEL • 3 copies of operation & maintenance instruction including lubricant recommendation if any, storage instruction etc.																				
(C) Test Certificate :-																				
• 3 copies of Pressure Testing • 3 copies of Dimensional Check of Flanges & Valves • 3 copies of Inspection Report Done as per API 623 & API 598 • 3 copies of Material Specification Certificate																				
5.0 GUARANTEE :-																				
The valves shall be guaranteed for a period of _____ months after commissioning or _____ months after dispatch whichever is earlier.																				

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