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**BHEL – Tiruchirappalli – 620014,
India**

Valves Engineering and R&D

PURCHASE SPECIFICATION

DOC No: **SPEC:HP:0009** Rev: **01**

Effective Date: **28/10/2019**

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Product: Graphite Packing Rings

Revision Record:

Rev. No	Date	Details of Revision
00	25 August 1993	First Release
01	28 October 2019	Specification reviewed and revised

1.0 Scope:

The scope of this specification is for design, manufacture, testing, packing and dispatch of Graphite Packings.

2.0 Technical data for Selection of Graphite packings:

Sl.No	Parameters	Value
1	Material	Graphite
2	Maximum Working Pressure	400 kg/cm ²
3	Maximum Working Temperature	610°C
4	Medium of Operation	Super-heated steam
5	Compressed to a density ranging	1.6 gm/cm ³ to 1.8 gm/cm ³
6	Corrosion Inhibitor	Zinc
7	Corrosion Inhibitor Content	2% -- Minimum
8	Leachable chloride content	50 ppm -- Maximum
9	Sulphur Content	100 ppm -- Maximum
10	Ash content consisting of trace elements in oxide form	2% -- Maximum
11	Outside Diameter (mm)	As Per P.O.
12	Tolerance for Outside diameter (mm)	-0.1 to 0
13	Inside Diameter (mm)	As Per P.O.
14	Tolerance for Inside Diameter (mm)	0 to +0.1
15	Height (mm)	As per P.O.
16	Tolerance for Height (mm)	-0.3 to +0.3

3.0 Documentation

Test Certificates shall be provided for the technical data mentioned above.

4.0 Packing & Dispatch

2 rings shall be packed in a plastic can with foam lining to protect against impacts.

Signature		
Name	M Chaitanya Kumar	Mallemala Sujana Vinod
Designation	Sr. Engineer	Manager
Date	28 October 2019	28 October 2019
Action	Prepared By	Checked & Reviewed By