

Form No:	 PE&SD	BHARAT HEAVY ELECTRICALS LIMITED PROJECT ENGINEERING & SYSTEMS DIVISION			PY 52 278
		TECHNICAL SPECIFICATION			Rev. No. 00
		MS THREADED RODS			Page 1 of 2

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MS THREADED RODS

1.0 INTRODUCTION & SCOPE

- 1.1 The intent of this document is to indicate minimum specification requirements for procurement of **MS threaded Rods** (metric ISO standard thread).
- 1.2 The purpose of these MS Threaded Rods is to support the HVAC ducts/ Pipe supports/ Cable tray supports and other service utilities by screwing into the Flush Anchor fastener.
- 1.3 All the codes/standards mentioned in this specification shall be of latest issue.

2.0 DESIGN & MATERIAL

- 2.1 MS Rods shall be Threaded for full length.
- 2.2 MS Threaded Rod Size & Length shall be as per variant table / BHEL enquiry.
- 2.3 Each MS Threaded Rod shall be supplied along with suitable Hexagonal nuts (3 nos) & Washers (2 nos).
- 2.4 Rods, Washers and Nuts shall be HOT-DIP Galvanized.
- 2.5 Rod material shall be - IS2062, Grade E250 Sub-quality A.
- 2.6 Nut and Washer material shall be - CS 5.8 Grade.
- 2.7 The thread should enable the fixing of rods into the flush anchor of the same size.
- 2.8 No damage should happen to the thread when fastening.

3.0 INSPECTION

Scope of inspection shall be as called for in the data sheets enclosed / specified in the purchase order / approved quality plan. Inspection agency shall be BHEL / BHEL Third Party Inspection agency.

4.0 TEST CERTIFICATES

Three copies of the test certificates covering results of the Chemical analysis and the Mechanical tests as per the material standard, shall be furnished.

5.0 PACKING AND MARKING

- 5.1 All the items shall be packed suitably in closed wooden cases / hard cardboard boxes, enclosed in a moisture resistant wrapping in order to avoid damage, ingress of moisture & corrosion during transit and storage. Suitable supports shall be provided inside the cases in order to avoid internal movement. Each packing case must contain 2 copies of the shipping list giving details of all the contents of the case.
- 5.2 The following marking shall be done on each packing case minimum on two sides and also at the top:
 - Complete address of the consignee and destination as per BHEL Purchase Order.
 - BHEL Purchase Order Number (c) Number of pieces in each packing case
 - Net Weight
 - Gross Weight
 - Packing case number and total number of packing
 - Arrow indicating top of the packing case.

Form No:	LAYOUTS & PIPING ENGINEERING PROJECT ENGINEERING & SYSTEMS DIVISION	PREPARED	CHECKED	APPROVED	DATE
		 PARAMESH	 V UDAY	 SRIKANTH	02.11.19

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RECORD OF REVISIONS				
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