

	TD219 Rev. 00	PLANT PURCHASING SPECIFICATION HYDERABAD		HY 106 76	
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<u>ALLOY STEEL BOILER QUALITY PLATES</u> <u>GR: 16 Mo 3</u>					
<u>(ORDERING DESCRIPTION FOR DIN EN 10028, GR: 16 Mo 3)</u>					
1.0 <u>GENERAL:</u>					
<p>The plates shall comply with the latest version of DIN EN 10028, Gr: 16 Mo 3, and with the additional requirements stipulated below.</p>					
2.0 <u>APPLICATION:</u>					
<p>For use in Steam turbine components like Steam strainers, Governing valves etc at operating temperatures around 500° C.</p>					
3.0 <u>DIMENSIONS:</u>					
3.1 The thickness of the plates shall be as specified in the purchase order.					
3.2 Unless otherwise specified in the purchase order, plates shall be supplied to 1000x2000 mm width and Length.					
4.0 <u>CHEMICAL ANALYSIS:</u>					
<p>Chemical composition analysis shall be carried out as per DIN EN 10028, Gr.16 Mo 3.</p>					
5.0 <u>MECHANICAL TESTS:</u>					
<p>Mechanical testing shall be carried out as per DIN EN 10028 Gr.16 Mo3.</p>					
6.0 <u>HIGH TEMPERATURE PROPERTIES:</u>					
<p>The supplier shall guarantee the high temperature properties as per DIN EN 10028, Gr.16 Mo 3 and the established high temperature test results shall be furnished, if asked for in the purchase order.</p>					
7.0 <u>TEST CERTIFICATE:</u>					
<p>Five copies of the certificate in English, covering the following details shall be furnished.</p>					
Revisions: Revised in line with DIN EN 10028 Gr.16 Mo 3 - 1993			Issued : STANDARDS ENGINEERING & IPR COORDINATION DEPARTMENT		
Rev.No. 01	Amd. No.	Reaffirmed:	Prepared:	Approved:	Date of 1st issue:
Dt. SEP.2001	Dt.	Year: 2021	STANDARDS	GM (ENGG.)	MAR. 1984

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- a) BHEL Order No.
- b) BHEL Specification No. HY 10676 Rev.01
- c) DIN EN 10028, Gr. 16 Mo 3
- d) Size
- e) Supplier's Name
- f) Melt No.
- g) Steel making process
- h) Particulars of Heat treatment/Batch No.
- i) Melt analysis
- j) Results of mechanical tests
- k) Guarantee for High temperature properties (if applicable, as per Purchase order).

8.0 PRESERVATION:

The plates shall be coated with a rust preventive compound suitable for outdoor storage for a period of 6 months. It shall be easily removable.

9.0 MARKING:

Each plate shall be legibly marked with the following details at a scale free zone and encircled by white paint.

- a) Suppliers Name/Mark
- b) BHEL Specification No: HY 10676 Rev. 01
- c) DIN EN 10028 : Gr. 16 Mo 3
- d) Melt No.: