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EQUI.SPACED AS SHOWN

TYPE OF PRODUCT

TYPE OF PRODUCT OF		TRACTION MOTOR 6FRA 6068									
ADDITIONAL INFORMATION : SIM. DRC. NO. : 24391001001		NAME OF CUSTOMER/PROJECT									
STATUS OF DRAWING :		<div><div></div><div>BHARAT HEAVY ELECTRICALS LTD. BHOPAL.</div></div>									
DISTRIBUTION OF PRINTS : TWE-1, TXM-3, TXN-1		DEPT. TIME CODE		UNTOL. DIMS. GR. —		 SCALE NTS		WEIGHT REF. TO ASSY. DRC. —		ITEM NO. 003	
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TITLE		PINION LOCKING ARRANGEMENT FOR PACKING									
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	<h1 style="text-align: center;">CORPORATE PURCHASING SPECIFICATION</h1>	AA10108
		Rev No.11
		PREFACE SHEET

STRUCTURAL STEEL-STANDARD QUALITY (PLATES, SECTIONS, STRIPS, FLATS & BARS)

FOR INTERNAL USE ONLY

REMOVE THIS PREFACE BEFORE ISSUE TO SUPPLIERS

Equivalent/Comparable Standards:

- | | | |
|-------------|---|---------------------------------------|
| 1. INDIAN | : | IS : 2062 – 2011, Gr: E250, Quality A |
| 2. AMERICAN | : | ASTM A131M – 2013 |
| 3. JAPANESE | : | JIS G3106 – 2008 |
| 4. EUROPEAN | : | EN 10025 – 2:2004 Gr. S275JR |

Suggested/Probable Suppliers and Grades:

- | | | |
|--------------|---|------------------------|
| 1. M/S TISCO | : | TISTEN 42 |
| 2. M/S SAIL | : | i) MA 300 HY |
| | | ii) Lloyds, Gr :A |
| | | iii) IS : 2062, Gr : A |

User Plants and Replaced Plant Specifications/References:

- | | | |
|--------------------|---|-----------|
| 1. HEP, BHOPAL | : | PS 10108 |
| 2. TP, JHANSI | : | PS 10108 |
| 3. HEEP, HARDWAR | : | 0500.001 |
| 4. HPEP, HYDERABAD | : | HY0210299 |
| 5. HPBP, TIRUCHY | : | |

Revisions: As per Cl. No. 38.1 of MOM of MRC-S&GPS			APPROVED: INTERPLANT MATERIAL RATIONALISATION COMMITTEE – MRC(S&GPS)		
Rev No.11	Amd No.	Reaffirmed	Prepared	Issued	Dt. of 1 st Issue
Dt:22-02-2014	Dt:	Year:	HPEP, Hyderabad	Corp.R&D	July, 1976

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CORPORATE PURCHASING SPECIFICATION

AA10108

Rev No. 11

PAGE 1 of 2

STRUCTURAL STEEL-STANDARD QUALITY (PLATES, SECTIONS, STRIPS, FLATS & BARS)

(ORDERING DESCRIPTION)

1.0 GENERAL:

This specification governs the quality requirements of structural steel plates, strips, flats, bars and sections such as angles, beams, channels and tees etc. of IS: 2062 – 2011, Gr: E250, Quality A

2.0 APPLICATION:

For general engineering purpose.

3.0 CONDITION OF DELIVERY:

Plates, Bars & Sections: Hot rolled in straight lengths without twists & Bends

4.0 COMPLIANCE WITH NATIONAL STANDARDS:

Material shall comply with the requirements of IS: 2062 – 2011, Gr: E250, Quality A

Material offered to EN 10025-2:2004 Gr. S275JR is also acceptable. The tolerance on dimensions for plates shall comply with EN 10029.

5.0 DIMENSIONS AND TOLERANCES:

5.1 DIMENSIONS:

5.1.1 Sizes

Material shall be supplied to the dimensions specified on BHEL Order.

5.1.2 Length

Unless otherwise specified, hot rolled bars and sections shall be supplied in 3 to 6 metres length.

5.2 Tolerances:

5.2.1 The tolerances on hot rolled material shall comply with IS: 1852. However, no plate shall be under the specified thickness at any point.

Revisions:
As per Cl. No. 38.1 of MOM of MRC-S&GPS

APPROVED:
INTERPLANT MATERIAL RATIONALISATION
COMMITTEE – MRC(S&GPS)

Rev No.11	Amd No.	Reaffirmed	Prepared	Issued	Dt. of 1 st Issue
Dt:22-02-2014	Dt:	Year:	HPEP, Hyderabad	Corp.R&D	July, 1976

AA10108

Rev No. 11

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CORPORATE PURCHASING SPECIFICATION



5.2.2 Straight for hot rolled bars:

Unless otherwise specified, the permissible deviation in straightness shall not exceed 5 mm in any 1000 mm length.

6.0 HARDNESS (BRINELL):

When tested in accordance with IS: 1500, the material shall show a brinell hardness in the range of 120-156 HB.

Note: Hardness test shall be conducted only when tensile test cannot be performed.

7.0 TEST CERTIFICATES:

Unless otherwise specified, three copies of test certificates shall be supplied.

In addition, the supplier shall ensure to enclose one copy of the test certificate along with their dispatch documents to facilitate quick clearance of the material.

The test certificate shall bear the following information.

AA10108 Rev.11 / IS:2062 Grade: E250 Quality A / EN 10025-2 Gr. S275JR,

BHEL order no., Melt no. Size, Results of chemical analysis and Mechanical tests, Supplier's name, Identification no. TC no., Signature of competent authority etc.

8.0 PACKING AND MARKING:

Plates shall be transported suitably to avoid damage during transit.

For plates below 10 mm thick, each pile (preferably of 16 plates) and each plate 10 mm thick & over shall be marked with melt no. AA10108, BHEL order no., Supplier's name, Identification no., Size & weight on any one corner and encircled with paint preferably of white colour.

9.0 REFERRED STANDARDS (Latest publications including amendments):

1) IS: 1500

2) IS: 1852

3) EN 10029