Annexure 'A'

HOT ROLLED STEEL SLABS

GENERAL DESCRIPTION.

The steel shall be of extra deep drawing, Aluminium killed quality. The steel shall be capable of being rolled after hot cladding with Gilding Metal. The steel should not be manufactured by air or mixed air oxygen bottom blown converter process. The steel shall conform to the requirements of British specification DEF STAN 95-II / I.

Alternate specifications:

German Specification	**DIN 1624 ST 4**	**or**
U.S. Specification	**MIL-S-13468 (A/MU)**	**or**
Chinese Specification	**YB-482-64-F-II**	

2. CHEMICAL COMPOSITION

Should generally conform to the following:-

ELEMENT	PERCENT	
	MINIMUM	MAXIMUM
Carbon		0.10%
Manganese		0.50%
Silicon		0.05%
Sulphur		0.03%
Phosphorus		0.03%
Aluminium	0.02%	0.10%
Nickel		0.20%
Chromium		0.15%
Molybdenum		0.10%
Copper		0.20%
Tin		0.04%

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3. MECHANICAL PROPERTIES.

Tensile Strength	32 to 40 Kg/mm^2
Elongation	28 % minimum

4. SIZE.

i).	Thickness	40 $\pm$ 1 mm
ii).	Width	300 $\pm$ 5 mm
iii).	Length	1000 $\pm$ 10 mm
iv).	Permissible variation from edge squareness:	3.5 mm
v).	Permissible difference in thickness across the width of each individual slab:	0.4 mm

5. GENERAL CONDITION OF SLABS.

i). The steel shall be free from harmful internal and surface defects. The surface of the slabs shall be free from scales, sand inclusion, cracks, folds, wrinkles, tearing, cuts, grooves, dents, wrappage and other surface imperfections. Slight scoring, slight pitting, light scratches are permissible.

ii). Slabs shall be cut to length by slitting/sawing and not by shearing

iii). The slabs shall be straight and flat along the length and width.