

	CORPORATE PURCHASING SPECIFICATION	AA10739 Rev No. 09 PAGE 1 of 2
AUSTENTIC STAINLESS STEEL SHEETS, PLATES AND STRIPS - SOLUTION ANNEALED (IS:6911, X04Cr19Ni9 / ASTM A240M, TYPE 304 / EN10088-2, X5CrNi18-10)		
<i>(ORDERING DESCRIPTION)</i>		
1 GENERAL The sheets, plates and strips shall conform to the latest version of IS:6911, X04Cr19Ni9 / ASTM A240M, Type 304 / EN10088-2, X5CrNi18-10 and comply with the following additional requirements.		
2 APPLICATION For general engineering purposes, where corrosion resistance is essential.		
3 CONDITION OF DELIVERY: For Hot Rolled- Solution annealed and descaled Cold Rolled – Solution annealed and dull/bright finish.		
4 DIMENSIONS AND TOLERANCES: Material shall be supplied to the dimensions specified in BHEL order.		
5 CHEMICAL COMPOSITION, MECHANICAL PROPERTIES AND OTHER REQUIRMENTS: As per X04Cr19Ni9N, IS:6911 / 304, ASTM A240M / X5CrNi18-10, EN10088-2, as applicable.		
6 TEST CERTIFICATES: Three copies of test certificates shall be supplied along with the following information: <ul style="list-style-type: none"> – BHEL References: <ul style="list-style-type: none"> – AA10739 -Rev. No.09 / Material Grade – BHEL order No – Supplier's References: <ul style="list-style-type: none"> – Name – Identification No. – Melt No. – Process of manufacture – Details of heat treatment. – Result of Tests: <ul style="list-style-type: none"> – Dimensional inspection. – Results of chemical analysis, mechanical tests 		
Revisions: Cl. 42.5 of MOM of MRC-S&GPS		APPROVED: INTERPLANT MATERIAL RATIONALISATION COMMITTEE – MRC(S&GPS)
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Prepared HEEP, Haridwar		Issued Corp.R&D
		Dt. of 1 st Issue May 1980

7 PACKING AND MARKING:

Sheets shall be supplied in bundles or in packages each weighing up to a maximum of 3000kg. Plates shall be suitably packed to prevent damage during transit.

For plates below 25mm thick, each pile (preferably of 16 plates) shall be marked with suppliers identification mark, 'AA10739 / Material Grade, melt No., BHEL order No., on the top plate.

Each plate of 25mm thickness and above shall be stamped/painted with the suppliers identification mark, 'AA10739 / Material Grade, melt No., BHEL order No. on the top plate.

FOR INFORMATION ONLY

(ACTUAL VALUES TO BE TAKEN FROM IS / ASTM / EN AS APPLICABLE)

CHEMICAL COMPOSITION

C	Si	Mn	Ni	Cr	S	P	N
≤ 0.07	≤ 0.75	≤ 2.0	8.0-10.5	17.5 – 19.5	≤ 0.030	≤ 0.045	≤ 0.10

MECHANICAL PROPERTIES

Hardness Max		0.2% PS min N/mm ²	UTS min N/mm ²	% El min
BHN	HRB			
201	92	205	515	40