

### CORPORATE PURCHASING SPECIFICATION

AA 107 39

Rev. No. 08

PREFACE SHEET

# AUSTENITIC STAINLESS STEEL SHEETS, PLATES AND STRIPS - SOLUTION ANNEALED (ASTM A 240M, TYPE 304)

FOR INTERNAL USE ONLY
REMOVE THIS PREFACE SHEET BEFORE ISSUE TO SUPPLIERS

**Comparable Standards:** 

1. AMERICAN

ASTM A 240M

Type 304, Solution annealed.

2. INDIAN

IS: 6911 - 1992

Gr: X 04Cr 19 Ni 9 Solution annealed

3. EUROPEAN

EN 10088-2, Gr: X5CrNi18-10

- \*Suggested/Probable Suppliers and Grades:

Refer Plant Vendors list

### **User Plant References:**

1. HEEP - HARDWAR

HW 021 02 99

2. BHOPAL

PS10587, PS10512-Sheets & Plates

3. HYDERABAD

AISI 304; ASTM A 240M, Gr: TP304;

Interplant Material

ASEA 2 2333-02

4. TRICHY

**AISI 304** 

Revisions:

APPROVED:

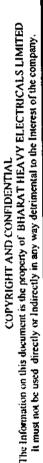
CI 28.4.16 of MOM of MRC-S&GPS

Rationalization Committee-MRC (S&GPS)

Rev. No. 08Amd.No.ReaffirmedPreparedIssuedDt. of 1st IssueDt.:09.01.2007Dt:Year:HARDWARCorp. R&DJUNE, 1978

COPYRIGHT AND CONFIDENTIAL

The Information on this document is the property of BHARAT HEAVY ELECTRICALS LIMITED It must not be used directly or Indirectly in any way detrimental to the Interest of the company.





### CORPORATE PURCHASING SPECIFICATION

AA 107 39

Rev. No. 08

PAGE 1 OF 2

# AUSTENITIC STAINLESS STEEL SHEETS, PLATES AND STRIPS - SOLUTION ANNEALED (ASTM A 240M, TYPE 304)

## **ORDERING DESCRIPTION**

## 1.0 GENERAL:

The sheets, plates and strips shall conform to the latest version of ASTM A **240M**, Type 304 and comply with the following additional requirements.

### 2.0 APPLICATION:

For general engineering purposes, where corrosion resistance is essential.

## 3.0 CONDITION OF DELIVERY:

Hot/Cold rolled, solution annealed and descaled (Finish number 1 or 2 B/2D).

## 4.0 DIMENSIONS AND TOLERANCES

Material shall be supplied to the dimensions specified in BHEL order.

## 5.0 CHEMICAL COMPOSITION:

As per ASTM A 240M, Type 304.

#### 6.0 TEST CERTIFICATES:

Three copies of test certificates shall be supplied along with the following information:

## **BHEL References:**

AA 107 39 -Rev. No.08 / ASTM A **240M**, Type:304 BHEL order No.

## Supplier's References:

Name

Identification No.

Melt No.

Process of manufacture

Details of heat treatment.

### **Result of Tests:**

Dimensional inspection.

Results of chemical analysis, mechanical tests

Revisions: Cl 28.4.16 of MOM of MRC-S&GPS			APPROVED: Interplant Material Rationalization Committee-MRC (S&GPS)		
Rev. No. 08	Amd.No.	Reaffirmed	Prepared	Issued	Dt. of 1st Issue
Dt.:09.01.2007	Dt:	Year :	HARDWAR	Corp. R&D	JUNE, 1978

A	A	10	7.3	,9

Rev. No. 08

### CORPORATE PURCHASING SPECIFICATION



PAGE 2 OF 2

#### ir.O PACKING AND MARKING:

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

For plates below 25 mm thick, each pile (preferably of 16 plates) shall be marked with suppliers identification mark, 'AA 107 39 / **ASTM** A 240M, Type:304, 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, 'AA 107 39 / ASTM A 240M, Type:304 , melt No., BHEL order No., on the top plate.

## FOR INFORMATION ONLY

#### **CHEMICAL COMPOSITION**

C	Si	Mn	Ni_	Cr	s	Р	Z
≤ 0.08	≤ 0.75	≤ 2.0	8.0-10.5	18.0 -20.0	≤ 0.030	≤ 0.045	0.10

### **MECHANICAL PROPERTIES**

Hardness Max		0.2% PS min UTS min		% El min	Bend Test
BHN	HRB	N/mm²	N/mm²		Dia.
201	92	205	515	40	•