



ACCEPTANCE STANDARDS FOR INDICATIONS REVEALED DURING MAGNETIC PARTICLE EXAMINATION OF STEEL FORGINGS

1.0 SCOPE:

This standard gives the acceptance norms for indications revealed during the magnetic particle inspection of steel forgings used for general applications.

2.0 PROCEDURE:

The procedure, requirement of equipment, consumables and personnel shall be as per BHEL standard AA 085 01 33 which is generally based on ASTM E 709.

3.0 ACCEPTANCE NORMS:

Following defects are unacceptable.

Category I:

- i) Any cracks/linear indication.
- ii) Rounded indication larger than 3mm size.
- iii) Groups of rounded indications with individual size of 3mm or less and separated by a distance of less than 2 times the largest defect.

Category II:

- i) Any cracks/linear indication.
- ii) Rounded indication larger than 6mm size.
- iii) Groups of rounded indications with individual size of 6mm or less and separated by a distance of less than 2 times the largest defect.

4.0 REFERRED STANDARDS(Latest Publications Including Amendments):

1. BHEL CS AA 085 01 33

2. ASTM E 709

Revision:			Approved: INTERPLANT STANDARDIZATION COMMITTEE-WG (WG-NDT)		
Rev.No.	Amd.No.	Reaffirmed	Prepared SSTP TRICHY	Issued CORP. R&D	Dt. of 1st issue 1-12-96
Dt.	Dt.	Year:			