



**Renjith K**  
**Engineer / QC (NDTL)**

## **Bharat Heavy Electricals Ltd**

**(A Govt. of India Undertaking)**

Boiler Auxiliaries Plant  
**RANIPET - 632 406(INDIA)**

**Phone No: (04172) - 284455**

**Fax No: (04172) - 241177**

BAP: QC: NDT:REG: 11  
26-December-11

To:

All NDE Inspection Agencies

Dear Sirs,

Sub: Enlistment of NDE Inspection agency for carrying out NDE Inspection at vendor works.

We are having vendors / suppliers located at various parts of India for outsourced components. We are in the process of enlisting NDE Inspection agency to carry out NDE Inspection at vendor works (payment will be made by vendor / supplier only).

Interested NDE Inspection Agencies having the facilities, certified personnel and quality management system can submit the application form along with valid proof and send it to BHEL Ranipet.

Evaluation of NDE Inspection agency may be carried out either by site visit or by verification of the submitted documents. Last date for submitting the application forms for enlistment is 18<sup>th</sup> January, 2012.

Enlistment of NDE agency will be valid for a period of two years only. Subsequently it will be extended subject to the performance of NDE Inspection agency at our vendor works.

The envelope shall be superscribed as "**Enlistment of NDE agency**" and addressed to the undersigned.

Thanking you,

Yours Faithfully  
For BHEL, Ranipet

(RENJITH K)  
Engineer (QC - NDTL)

Encl: Application form

**BHARAT HEAVY ELECTRICALS LIMITED**  
**NON-DESTRUCTIVE TESTING**  
**NDT AGENCY REGISTRATION FORM**

**1.0 AGENCY PROFILE**

- 1.1 Name and Address of the Firm :
- 1.2 Phone Number :
- 1.3 Fax Number :
- 1.4 E-mail ID :
- 1.5 Contact Person :
- 1.6 Mobile Number :
- 1.7 Local Representative :
- 1.8 Phone Number :
- 1.9 Mobile Number :
- 1.10 E-mail ID :

**2.0 TYPE OF NDT WORK UNDERTAKEN**

- 2.1 Radiography : Yes / No
- 2.2 Ultrasonic Testing : Yes / No
- 2.3 Magnetic Testing : Yes / No
- 2.4 Penetrant Testing : Yes / No

- 3.0 IT PAN Number :
- 4.0 Service Tax Registration Number :
- 5.0 State Sales Tax Registration Number :
- 6.0 Central Sales Tax Registration Number :
- 7.0 P.F Account Number :

- 8.0 Labour License Number :**
- 9.0 ESI Account Number :**
- 10.0 Total Number of Employees :**
- 11.0 Registration with other BHEL Units :**
- 12.0 Reference List of Companies for  
whom Service is rendered :**
- 13.0 Any Other Information :**

**14.0 Declaration**

The information furnished above is true and authentic

**Date:**

**Proprietor**

**Place:**

**BHARAT HEAVY ELECTRICALS LIMITED**  
**NON-DESTRUCTIVE TESTING**  
**ASSESSMENT FORMAT**

Date:

1.0 COMMON DETAILS (FOR ALL METHODS)

1.1 Name of the firm :

1.2 List of Equipment (including following details)

- a. Name of the manufacturer
- b. Equipment model and SI No.
- c. Characteristics subject to calibration.
- d. Range of operation and range of calibration.
- e. Reference to recognized standard procedures.
- f. Frequency of calibration.
- g. Allowable tolerance / Maximum sensitivity.
- h. Calibration details

1.3 Calibration of Equipments – Each Instrument or machine, when calibration is required, shall have a calibration sticker affixed containing the following .

- a. Instrument calibrated
- b. Serial No
- c. Calibration Date
- d. Calibration Next Due

1.4 Certified personnel – NDE agency shall maintain a list of certified personnel containing the following.

- a. Name of the personnel and Level
- b. Certification and Recertification date
- c. Eye test done on
- d. Educational qualification.

1.5 Specification file – Company should maintain an orderly file containing all codes, specification, and amendments under which it is performing work.

- 1.6 IBR Approval : Obtained / Not Obtained  
Valid up to :
- 1.7 Approval from other BHEL Units:
- 1.8 Past Experience of the NDE Agency: List to be attached.

## **2.0 CHECKLIST FOR PENETRANT TESTING**

- 2.1 Verify the brand of penetrant, cleaner and developer (with expiry date)
- 2.2 Sensitivity checking test panel : Available / Not Available
- 2.3 Fluroscent dye and black light : Available / Not Available.
- 2.4 Black Light Calibration

## **3.0 CHECKLIST FOR MAGNETIC PARTICLE TESTING**

- 3.1 Consumable for Magnetic Particle Testing : Brand & Expiry date  
Wet :  
Dry :
- 3.2 Equipment for sensitivity check : Available / Not Available
- 3.3 Equipment for demagnetization : Available / Not Available

## **4.0 CHECKLIST FOR ULTRASONIC TESTING**

- 4.1 List of available probes and make.
- 4.2 List of calibration blocks available.
- 4.3 Practical know how of technicians in both DAC and DGS.

## **5.0 CHECKLIST FOR RADIOGRAPHIC TESTING**

- 5.1 Name of RSO :
- 5.2 Name of Site In Charge :
- 5.3 The NDE agency should have following minimum equipments / facilities.
- a. X-ray / Gamma Ray Source
  - b. Surveymeter
  - c. Dossimeter
  - d. High Intensity Illuminator

- e. Densitomer / Strip
- f. Film processing facility (with / without drier)
- g. Image quality Indicators (ASTM and DIN list to be kept)
- h. Safety Equipment like Warning Lamps / Siren, Display boards with stand and rope, Film badge services and Tongs.

#### 5.4 Details of Consumables

Processing Chemicals	:	Brand
Developer	:	
Fixer	:	
Wetting Agent	:	
X-ray films	:	
Screen (thickness)	:	

#### 6.0 REMARKS

Representative of NDE Inspection agency

Surveyed / Verified by  
NDT / BHEL