

Bharat Heavy Electricals Limited
Ramachandrapuram : : Hyderabad – 502032
M&S – DIVISION
SCOPE OF WORK (ANNEXURE-I)

Tender No.: M&S/P&S/2022/56, dt.: 09.11.2022

Name of Work: AMC with calibration for ASTM Impact Testing Machine through both direct and indirect methods for a period of two years.

Equipment Details : ASTM CHARPY IMPACT TESTING MACHINE
 Make & model : FTM, ICHILKARANJI & FIT-300 ASTM EN
 Asset No. : 29-3016

DESCRIPTION OF WORK:

PART- A: SCOPE OF ACTIVITIES DURING AMC CONTRACT

Sl.No.	Description of activities	No. of visits Required	Vendor's confirmation YES / NO	Remarks
1.	Preventive maintenance service.	TWO PER YEAR		
2.	Emergency breakdown service (free of cost)	ONE PER YEAR		
3.	Calibration of the equipment under TPIA witness and Certification. Arranging TPIA is under scope of BHEL.	ONE PER YEAR		
4.	Calibration shall be carried out traceable to ASTM E 23. Direct & Indirect verification part of ASTM E 23 is to be carried out.	ONE PER YEAR		
5.	Vendor shall procure the impact specimens used for calibration from NIST			
6.	Three sets of Charpy V-Notch specimens of low energy, high energy and super high energy shall be used, that shall be traceable with NIST verification.			
7.	The instruments/equipment used to calibrate the machine must be duly calibrated with traceability to national standards with valid certifications.			
8.	Copies of certificates of the instruments/equipment used to calibrate the machine to be submitted.			

PART- B GENERAL TERMS AND CONDITIONS:

Sl.No	Description of the activity	Vendor's confirmation YES / NO	Remarks
1.	The duration of the AMC will be counted from the scheduled date in PO.		
2.	The visits shall be made periodically (preferably with equal intervals) with in the contract period. However, BHEL reserves the right to call the service engineer as per the requirement.		
3.	All the general maintenance & repair work required for the equipment shall be carried out in the BHEL lab itself.		
4.	The spares required during the servicing of the equipment shall be supplied by the contractor (on chargeable basis). Installation of the spare part and subsequent working of the equipment will be in the scope of the contractor only.		
5.	The hardware systems like PC, printer, UPS etc. required for the satisfactory performance of equipment will not be covered under the scope of this AMC. However, any up-gradation / re-installation of the software required for the operation of the equipment shall be carried out free of cost by the contractor during the AMC period.		
6.	Safety of the equipment during servicing is the sole responsibility of the contractor.		
7.	Payment will be released after each preventive maintenance visit and or calibration visit on submission of Invoice along with the service report and or calibration report for satisfactory completion of work. Part payment will be released after the completion of each AMC visit on pro rata basis.		
8.	Penalty: If the contractor fails to visit BHEL for servicing of the equipment within a week from the date of call from BHEL through e-mail, a penalty of ½% per week for the period of delay for that service visit will be levied.		
9.	The AMC cost includes all costs towards TA, DA, etc. for rendering service. No extra payment will be considered towards the same.		
10.	The contractor shall follow the scope of the activities during AMC period specified in PART A of this contract.		