

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

**Tender No.:** M&S/P&S/2021/56, Dt.: 02.11.2021

**Name of Work:** Inspection, Testing and Certification of LOX-LIN Cryogenic Pressure Vessels (4 Nos.)

**DESCRIPTION OF WORK:**

| S.No. | DESCRIPTION   | Vendor's Acceptance |
|-------|---|---------------------|
| 1     | Inspection of total 4 nos. of Cryogenic pressure vessels (LOX Tank – 3 nos. & LIN Tank – 1 no.) through PESO approved competent agency – <b>Vendor's scope</b>  |                     |
| 2     | The pneumatic test pressure shall not be less than <b>1.2 nor more than 1.5 times the design pressure of the piping system</b> . The pressure shall be continuously maintained for a minimum time of 10 min. - <b>scope of vendor</b> . |                     |
| 3     | Arranging of Testing equipment for pneumatic testing of PV and piping system for pressurize the PV will be in the <b>scope of vendor</b> .  |                     |
| 4     | Testing & Certification of pressure vessels to be executed as per rule 19 of SMPV(U) Rules 2016 – <b>Vendor's scope</b>   |                     |
| 5     | Arranging of Nitrogen gas cylinder/Nitrogen gas and water – <b>BHEL's scope</b>   |                     |
| 6     | Arranging of entry-exit gate pass for testing equipment and expert – <b>BHEL's scope</b>  |                     |
| 7     | Checking of Cryo-regulator/tank pr. regulator and it's resetting at 11 Kg/cm <sup>2</sup> (max.) if found to be error - <b>Vendor's scope</b>   |                     |
| 8     | Vendor must have peso approved personnel recognized as competent person under SMPV (U) Rules 2016, certificates to be signed by competent person and to be submitted as per SMPV (U) Rules 2016 – <b>Vendor's scope</b>                 |                     |

**Note:** No facility for boarding & lodging will be provided. Vendor has to arrange for his own boarding & lodging.

SIGNATURE AND SEAL OF CONTRACTOR