



**INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
Powai, Mumbai 400076.**

(PR No. 1000045722)

(Rfx No. 6100002142)

**Technical Specification for Sintered Regenerator (Addon component of existing
Liquid Nitrogen Plant (LNP) (Qty: 1 Nos.)**

| Sr. no | Item Description | Complied (Yes/No) | Additional Info if any |
|-------------------|---|------------------------------|-----------------------------------|
| 1. | <ol style="list-style-type: none">1. Sintered SS Mesh Regenerator for Stirling Cryo-generator.2. Working gas: Helium gas Helium to Helium heat exchanger.3. Operating Pressure Range:17 to 43 bars.4. Application: This is used for existing Liquid Nitrogen Plant (Make: Stirling Cryogenics, Netherlands).5. Liquid Nitrogen production capacity: Minimum production of 10Lit/hr.6. The offer must include the necessary O-rings for the Sinter regenerator, such as Inner and outer O-ring.7. The Bidder should provide 10 Litres of Cryo-coolant along with the Sinter regenerator.8. The offer should include a Guide Bushing for Cryo-generator.9. The offer should include (2 no.) valve tip washer and bolt for Cryo-generator.10. The offer should include (2 no.) displacer piston ring 66mm, 1-4 cylinder for Cryo-generator.11. The offer should include oil scraper ring (2 no.) for Cryo-generator.12. The offer should include piston ring (2 no.) for Cryo-generator.13. OEM-authorized vendors are eligible to submit the offer. The vendor must include the authorization certificate with the latest date, which should be less than one year old, along with their offer. | | |