

SPECIAL CONDITIONS OF CONTRACT

1) SCOPE OF WORK:

The scope of work is to Fabrication and Supply of spare tube bundles with test ring for intercoolers (117-EE-576A/B & 117-EE-577A/B) and after cooler (117-EE-578A/B) of Nitrogen compressor 117-KA-570A/B for LLDPE/HDPE Unit, BCPL, Lepetkata, as per specification given below.

SN	MATERIAL CODE	ITEM DESCRIPTION	ANNEXURE	UOM	REQD. QTY.
1	1921640023	Spare tube bundle AEH 11025 for 1st stage gas intercooler (117-EE-576A/B) MOC of Tubes SA 179; Tube sheet SA 266 Gr. 4; Baffle SA 516 Gr. 70. Tube size: 20mm OD X 2.0mm THK(min) X 2606mm LG	1. All sizes and materials as per data sheet and GA drawing. 2. Tube material SA 179 3. Baffle material SA 516 GR 70	EA	01
2	1921650023	Spare tube bundle AEH 11026 for 2nd stage gas intercooler (117-EE-577A/B) MOC of Tubes SA 179; Tube sheet SA 266 Gr. 4; Baffle SA 516 Gr. 70. Tube size: 20mm OD X 2.0mm THK(min) X 2006mm LG		EA	01
3	1921660023	Spare tube bundle AEH 11027 for After cooler (117-EE-578A/B) MOC of Tubes SA 179; Tube sheet SA 266 Gr. 4; Baffle SA 516 Gr. 70. Tube size: 20mm OD X 2.0mm THK(min) X 2406mm LG		EA	01
4	1921640013	Test Ring Assembly AEH 11025 for 1st stage Gas Inter Cooler (117-EE-576A/B)	1. All sizes and material s as per data sheet and GA drawing.	EA	01
5	1921650013	Test Ring AEH 11026 for 2nd stage Gas Inter Cooler (117-EE-577A/B)		EA	01
6	1921660013	Test Ring AEH 11027 for 3rd stage After Cooler (117-EE-578A/B)		EA	01

2) Following documents are to be submitted during order execution (soft copy)

- i) Fabrication drawing.
- ii) QAP

- 3) Following documents are will be submitted along with the dispatch of equipments (2 copies)
- i) As built drawing.
 - ii) Material test certificates.
 - iii) Hydro test certificates.
- 4) **Site visit before submission of bid:**
The bidders may visit the site before submitting their bid for physical checking of existing Coolers. **The spare tube bundles should be 1:1 replacement of the existing bundles in the intercoolers and after cooler.**
- 5) Necessary Inspection plan (Quality Assurance plan-QAP) shall be submitted by the Vendor to BCPL for approval before starting the fabrication.
- 6) Stage wise and final inspection at vendor's work including hydro test shall be witnessed by Third Party Inspector as per Approved QAP. The third party inspection charges will be in **Vendor's scope**.
- 7) The tubes shall be coated with preservative oil or black bituminous paint and tube sheet with grease. The tube bundle is to be packed in wooden boxes with proper cover.
- 8) **TRANSPORTATION:**
- Transportation from vendor's works to BCPL, Lepetkata, after pre-dispatch inspection clearance shall be under **Vendor's scope**.
 - Unloading of the material at BCPL, Lepetkata, shall be done by BCPL.
- 9) **DELIVERY PERIOD:**
The material should be delivered within a period of 20 weeks from the date of PO.
- 10) **GUARANTEE:**
The supplied item must be free from any manufacturing defect/technical defect/workmanship. The vendor shall provide guarantee for satisfactory performance for 12 months from commissioning or 18 months from the date of receipt of material at BCPL, Lepetkata, whichever is earlier.
- 11) **DOCUMENTS TO BE SUBMITTED:**
- 03 Sets of as built/approved drawing (hard copy) along with soft copy in DVD/CD.
 - Material Test reports showing location, heat number, chemical analysis and physical properties of all materials used for the fabrication of Tube bundles.
 - WPS, PQR, WQR, Welding consumable qualification record, welding and testing plan.
 - Copy of temperature recording charts obtained during the heat treatment.
 - Hydrostatic and other test reports.
 - Records of all NDT test procedures and examinations such as Radiographic / Ultrasonic Magnetic particle / DPT etc.
 - Inspection clearance report.