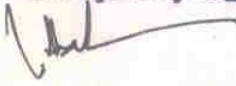


Enclosure to ~~FCO~~ Tender No. EKM/Q/004126/10-11 dt. 4/9/10

HINDUSTAN SHIPYARD LTD : VISAKHAPATNAM

**Specification for supply of 1 no. Pipe (tube) end expansion machine**

- 1.0 **Scope:** The tenderer shall supply ONE number Pipe (tube) end expansion machine with all standard accessories. *(Guidance Sketch enclosed)*
- 2.0 **Guarantee:** The equipment supplied including accessories shall be guaranteed for a period of 12 Months from the date of Commissioning.
- 3.0 **Drawings & Manuals:** Along with the new equipment, the tenderer shall supply three sets of detailed / illustrated Operation / Maintenance Manuals with Spare parts list.
- 4.0 **Test Certificates:** Manufacturers Test Certificate shall be submitted along with the equipment
- 5.0 **Technical Specification:**
  - 5.1 The machine shall be similar to the guideline drawing enclosed.
  - 5.2 Pipe/tube material : mild steel
  - 5.3 Maximum thickness : 3 mm
  - 5.4 Socket length expansion : 50 mm
  - 5.5 Pipe outer dia. to be handled: 22, 25, 32, 38, 45, 50, 56 and 76 mm  
Set of dies (2 nos) shall be provided for each size of pipe/tube.
  - 5.6 Machine shall consist of two nos. hydraulic cylinders, machine bench, hydraulic power pack. Vendor to specify the capacity.
  - 5.7 First fill of the hydraulic oil under vendor's scope.
- 6.0 All the technical details, literature and leaf lets shall be attached to the techno-commercial offer.
- 7.0 Commissioning , Test & Trails shall be carried out at HSL to the satisfaction of the User department at free of cost.
- 8.0 Training: Training of at least 5 HSL personnel is under vendor scope at free of cost.
- 9.0 Necessary operational spares for 2 years should be included in the scope of supply..
- 10.0 Machine shall be easily convertible to handle outer dia. 14 mm, 76 mm to 150 mm also if required in future using set of dies. Supplier shall offer prices of the set of dies separately as optional.

  
M(EKM-Engg)

  
M (EKM-TD & Proc)

  
Engineer (EKM- Proc)