

SPECIFICATION FOR GEARS AND SPLINE COMPONENTS

Objective: To obtain quotations for manufacturing the gears and spline components listed below through IIT Madras and GE collaboration project.

	Description
1	Turbine shaft
2	Gear Planet
3	Ring Gear
4	Carrier Arm
5	Output shaft
6	Threaded shaft
7	Drive shaft
8	Outer hub

The components are part of turbomachinery which operates with pressured air.

Work scope:

Quotations are requested for **2 quantities** as per following requirement.

Inputs provided by IIT Madras and GE Project team:

1. CAD Models
2. Drawings

Above items will be provided to you through secured GE box folder.

Supplier Scope will be as follows

- Manufacture the hardware as per drawings requirements and CAD models provided by GE and IIT Madras project team.
- Material test coupons (test specimen) manufacturing, test certificates for strength and chemical composition are required
- 100%-Dimensional report inspected through NABL certified instruments
- Quality report for Heat treatment and other special processes as per the drawing notes

Other notes

1. Manufacturing suppliers may engage other suppliers for components manufacturing and or special processes following NDA process meeting GE & IIT Madras Collaboration project requirements. Other suppliers need to be ready to enter into NDA with the project team.

2. If the supplier has capability to perform sub-system and/or prototype level performance testing, they may indicate their capabilities for further discussion on testing requirements with the IIT Madras and GE project team.

Guidelines for Quotation

Quote should be as per the details below.

- 1) Lead time from PO date
- 2) Price per Piece (INR)
- 3) Tooling cost/NRC (If applicable)

1. Company/Institution Name: Indian Institute of Technology, Madras.

2. Billing Address: The Senior Manager,
Project Purchase,
IC & SR Building, 2nd floor,
I.I.T. Madras,
Chennai – 600 036

3. Contact Person & Designation: Dr.B.V.S.S.S.Prasad
Professor,
Turbo machines Laboratory,
Department of Mechanical Engineering,
I.I.T.Madras

4. Contact telephone : 00 91 44 2257 4671 / 098400 69487 / 091760 69487

5. E- mail : prasad@iitm.ac.in<<mailto:prasad@iitm.ac.in>>