

REQUEST FOR PROPOSAL FOR SUPPLY OF PRECISION THEODOLITE

Name of the proposal:

Supply and installation of precision theodolite

I. List of required items and quantity

Table 1: List of required items and quantity

Sl. No	Item	Quantity (Nos)
1	Theodolite and Industrial tribrach (with laser plummet)	1
2	Spare internal battery	1
3	Battery charger	1
4	Auto-collimation lamp	2
5	Laser eye piece	1

II. Technical specifications of Theodolite

This section gives the technical specifications of Theodolite & Accessories

Table 2: Technical specifications of the theodolite

Technical specifications of Theodolite		
Sl. No	Parameter	Nominal Value
1	Telescope type	Pan focal
2	Shortest focusing distance	0.5 to 0.7 metre
3	Image orientation	Erect
4	Objective aperture	50mm to 60mm
5	Accuracy of pointing	0.5 "
6	Vertical tilt angle (Above & below the horizontal)	>45°
7	Built in auto-collimation	Essential
8	Compensator setting accuracy	0.5"
9	Keyboard & display on both sides of theodolite	Essential

Environmental conditions:

1. Operating temperature

: 0°C to 40°C

Eligibility criteria of vendor:

Vendor must have the heritage in producing and supplying high precision theodolites for various precision alignment applications in the industry and R&D organizations.

Warranty:

Theodolite and its accessories should have a minimum warranty of two years from the date of commissioning.

Deliverables:

1. Theodolite and accessories listed in Table1 with the specifications mentioned in Table2.
2. Calibration certificates of the theodolite should be provided.
3. User manuals should be supplied.

Expected delivery schedule:

4-8 weeks from the date of release of purchase order.

For further informations/clarifications

For any other technical clarifications, " annie.varghese@iiap.res.in / brp@iiap.res.in "may be contacted.

For any administrative matters, the Purchase Officer "purchase_import@iiap.res.in".may be contacted.