

By FAX/COURIER/E-mail

Our Ref:ERO Lab/Pur/Mech/05-06

29 May 2006

Subject: Quotation for Supply of:

- 1)Height gauge with needle point
- 2)Ball ended Micrometer
- 3)Beveled Protractor
- 4)Inside Micrometer
- 5)Drift expansion test set up
- 6)Square Bar & straight Edge of steel

TO,

Dear Sirs,

Quotations are invited for the supply of the above item(s) complying the requirements of the Annexure 1 to 6 (The Technical Specifications of the Equipments listed above) in **separate sealed covers** superscribed "**QUOTATION FOR THE SUPPLY OF.....**" which should reach the undersigned latest by 19-06-2006. The quotations shall be opened in this office at 1500 hours in the next working day & those who would like to attend may be present.

All the equipments shall be supplied along the warranty /guarantee certificate including NABL accredited calibration certificate, wherever possible /applicable. The decision taken by the competent authority of Bureau of Indian Standards shall be final. Payment shall be released only on satisfactory performance of the equipment.

Thanking you,

Yours faithfully

P.Seshagiri Rao
Director(OIC Mech)

Encl: As above

ANNEX -1
Technical Specification for the Height Gauge

1. Measuring Span: 0- 600 mm
2. Digital display
3. Least count 0.001 mm .
4. Additional facility for measurement in inch preferable.
5. Calibration certificate from a internationally/Nationally accredited laboratory.
6. Accuracy of the instrument for measurement shall be mentioned.

ANNEX -2
Technical Specification for the Ball ended Micrometer

1. Digital Micrometer with one spherical face and another flat face
2. Measuring span: 0 to 25 mm
3. Least count: 0.001 mm.
4. Spherical face should be 3.5 ± 0.5 mm radius
5. Measuring face shall be tungsten carbide tipped.
6. Additional facility for measurement in inch preferable
7. Calibration certificate from a internationally/Nationally accredited laboratory.
8. Accuracy of the instrument for measurement shall be mentioned.

ANNEX -3

Technical Specification for Beveled Protector

1. Angle protector with numerical indication 200 mm.
2. Measuring Range: $\pm 360^\circ$
3. Resolution: 0.01°
4. Accuracy: 4 minutes of arc
5. Calibration certificate from a internationally/Nationally accredited laboratory.
7. Accuracy of the instrument for measurement shall be mentioned.

ANNEX -4

Technical Specification for Inside Micrometer

1. Digital Inside Micrometer.
2. Measuring Range : 25 to 50 mm, 50 to 75, 75 to 100, 100 to 125, 125 to 150, 150 to 175, 175 to 200mm, 200 to 225mm & 225 to 250 mm with required Spacing collars
3. Least count: 0.001 mm.
4. Accuracy of the instrument shall be mentioned
5. Additional facility for measurement in inch preferable
6. Calibration certificate from a internationally/Nationally accredited laboratory.

ANNEX -5

Technical Specification for Drift expansion test set up

1. Mandrels of two separate sets with angle 30° and 1 in 16 taper
 - i) 50 to 150mm Dia to Expand the Nominal bore to 12.5%
 - ii) 50 to 150mm Dia with Taper 1 in 16 to expand the Nominal bore to 2%
2. To Drift the Nominal Bore Sizes of 50,60, 75, 100, 125, 150 mm with angle 30° as per IS : 7092(P-2)/IS:3601:1984 and 6 ,8 ,10 ,15, 20 ,25, 32, 40, 50, 65, 80,100,125 ,150 175 & 200 etc as per IS: 1239 (Pt.2)-1992 with 1 in 16 taper.

ANNEX -6

Technical Specification for Square Bar & Straight edge

1. Square Bar & Straight edge of steel with Riser Block, Extension holder, adjustable holder& Feeler Digital Inside Micrometer.
2. Vertical Travel: 150, 250, 450 mm.
3. Squareness: 0.003, 0.006, 0.009 mm
4. Straightness: 0.0020, 0.0025, 0.0035 mm or better
5. Dial gauge indicator: Graduation: 0.002 mm or better
6. Dial Reading: 0-100-0, Accuracy: preferably 0.001 mm or better
7. Mass 13.7, 16.2, 24.0 Kg.
8. Additional facility for measurement in inch preferable
9. Calibration certificate from a internationally/Nationally accredited laboratory.

