

Annexure "A"	
01.00.00	Nomenclature of the equipment. Ultrasonic Thickness Gauge for checking wall thickness of metallic component..
02.00.00	Scope of supply: Design, Manufacturing, prove the capability of the instrument with Desired accuracy, resolution, standard feature as per specification.
03.00.00	Field of Application. Instrument is required for checking wall thickness/base thickness of machined hollow cylindrical Steel/ metallic components. External Diameter of the component 155mm, 130mm, 125mm,100mm.
04.00.00	Technical Details of main unit.
04.01.00	Measuring Range, Min 1.00 mm to 500 mm or more.
04.02.00	Measuring Resolution, Standard 0.01 mm & Selectable 0.10 mm.
04.03.00	Material Velocity Range. 0.508 to 18.699 mm/micro sec
04.04.00	Measuring Unit, mm (millimetre)
05.00.00	Other Details of equipments.
05.01.00	Test and calibration masters. Firm should provide calibration master/test block for calibration of instrument for its resolution and accuracy.
05.02.00	Display, Digital value display with back light and adjustable contrast.
05.03.00	Alarm mode, Programmable Hi / Low set points with audible and visual indicators.
05.04.00	Language, Metric. / English.
05.05.00	Operating Temperature, -10° C to + 50° C
05.06.00	Keypad- Sealed; colour coded keypad with tactile and audible feed back.
05.07.00	Battery. The life of the battery should be minimum 30 Hrs continuous uses with back light.
05.08.00	Case- Impact resistant, water resistant, gaskated case with sealed connector.
06.00.00	Probe/Transducer
06.01.00	Qty. - 02 nos. Contact Diameter, 7 to 7.5 mm or suitable to the component as per clause 03.00.00.
06.02.00	Frequency , Min 5 MHz.
06.03.00	Thickness Range, In Steel 0.6 to 50 mm or more.
07.00.00	Make of equipment and transducer It should be of Olympus, GE or Krautkramer only.
08.00.00	Joint Inspection and Final inspection at OFAJ, On receipt of the equipment the supplier should depute his technical representative at OFAJ within fifteen days from receipt of request from OFAJ. Joint inspection shall be carried out to ensure the correctness of material received as per supply order/ Firm challan.
09.00.00	Installation and proving the capability of equipment - Firm Technical representative should demonstrate the use of equipment and its capability to check wall thickness/base thickness of the component as per clause 03.00.00 and other features

	as per specification details.
10.00.00	Training. Training of minimum 04 persons to be provided during installation at OFAJ to carry out the operation Maintenance and calibration of equipment.
11.00.00	Warranty. Supplier shall give warranty of equipment and its accessories supplied by him for 12 months from date of installation at OFAJ.
12.00.00	Operational and Maintenance manual. The firm should provide one sets of operational and maintenance manual with hard copy consisting of full description of equipment, specified standard and measuring procedure.

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SR. GENERAL MANAGER