

**ANNEXURE – C to TENDER 2750789E/OT-19**

<b>ULTRASONIC THICKNESS MEASURING GAUGE- TECHNICAL SPECIFICATION</b>				
<b>Sl. No</b>	<b>SPECIFICATION</b>		<b>OFFERED</b>	<b>DEVIATION/ REMARKS IF ANY</b>
1	Make	Vendor to specify		
2	Model	Vendor to specify		
3	Thickness Range	0.1mm to 50mm ( for Titanium alloy: Ti6Al4V )		
4	Resolution	0.001mm		
5	Accuracy	+/- 0.01		
6	Display	Color LCD / TFT		
7	Materials	Ferrous and Nonferrous		
8	Weight / Size	Hand held		
9	Connectivity	USB / RS232		
10	Power supply	AC / DC adopter and chargeable batteries		
11	Data logger	Must store at least 5000 readings and transfer to MS office		
12	Features required	To perform the desired calibration, measuring, analysis and transfer the data to PC.		
13	Software	Necessary high resolution software for analysis, data transfer shall be included		
13	Accessories	Battery charger		
		Probes – 2 sets to measure full range		
		Cables for USB and RS232		
14	Measurement Temperature	-10 degree to +50degree		
15	V-Path correction	Custom V-path compensation curve should be available for customized dual transducer		
16	Reliability of machine	1) IP67 Rating		
		2) EXPLOSIVE ATMOSPHERES: MIL-STD-E,METHOD 511.4,PROCEDURE I		
		3) SHOCK TESTED: MIL-STD-810F,SECTION 516.5, PROCEDURE I		
		4) VIBRATION TESTED: MIL-STD-810F,SECTION 514.5, PROCEDURE I		
		5) DROP TESTED: MIL-STD-810F,SECTION 516.5, PROCEDURE IV		
17	Internal data logging systems	1.) Equipment shall identify, stored, recall, clear and transmit thickness readings, waveform images, gauge setup information in the gauge itself for further analysis, the stored value shall be transferred to PC through the standard RS-232 or USB port.		
		2.) 32Character file name plus 20 character alphanumeric location code with 4 comments per location.		
		3.) Nine standard <b>or</b> custom application specific file structure		
		4.) On gauge reporting of summary with statistics, in/ Max with locations, file compensation of current and previous readings		