SUPPLY OF FIVE NUMBERS OF COMPACT ECHO SOUNDERS WITH BUILT-IN TILT SENSOR

1. The Scope of the supply

Supply of the Five numbers of compact echo sounder with built-in tilt sensor along with suitable accessories.

2. Requirements

The Echo sounders are required to measure water depth at the navigational paths of the ports.

3. Technical Specification

Sl.no	Parameter	Description/Range	Compliance
			Yes/No
1	Type of the Echo	Compact single Frequency echo sounder	
	sounder		
2	Quantity	5 no's	
3	Operating frequency	< 500 KHz	
4	Beam angle	< 30°	
5	Measuring distance	0.5 m to 100 m	
6	Sampling Rate (max)	10 kHz	
7	Tilt Sensor (within	a. Built-in dual axis -Tilt Sensor	
	altimeter housing)	(external Tilt sensor will not be	
		accepted)	
		b. Roll & Pitch ±90°	
9	Data Interface	RS-232 (External protocol converters will	
0		not be accepted)	
10	Baud rate	9600 to 115200 Bps	
11	Data Output Format	a. NMEA0183	
		b. Profile 12bit / 10bit ASCII Text/	
		Binary	
12	Subsea connector &	SEACON connector terminated with 10-	
	Cable length	meter subsea cable	
13	Configuration and Data reading	a. OEM software tool/ Any Terminal	
		b. Hypack / Teledyne PDS	
14	Operating voltage	24V VDC	
15	Auxiliary power	< 5W	
16	Weight	< 1000 gram in air (without cable)	1
17	Housing	Suitable for 20m depth of seawater	
18	Operating temperature	Up to 50 deg	
19	Protection rating	IP-68	
20	Accessories	316L Mounting brackets, Fasteners, Aux	
		cable/s, Configuration software/Driver if	
		any,	
21	Certificate	OEM Test/ Calibration certificate	
22	Warranty	1 Year	

23	Manuals, Technical	Manual / Installation manual copies with	
	literature	complete technical details.	

4. Eligibility

The bidder must have a strong presence in the Indian market at least for past five years and should have supplied similar type of equipment to a govt agency.

5. General

Items to be supplied along with calibration/test certificate.

6. Specification test

Specification of all items to be ensured by IITM before acceptance of the same.

7. Training

Hands on training to be provided to get operating knowledge of the items.

8. Dispatch

All items should be properly packed along with required accessories in the suitable box and it should be dispatched to NTCPWC, IITM, Chennai-600036

9. Delivery

Items should be supplied within 4-6 weeks from the date of receipt of purchase order.

10. Validity

The offer should be valid for 90 days.