

**Annexure 1: Specification for Laser Based Distance Measurement Sensor along  
with Accessories**

Specification of laser based distance measurement sensor for precise measurement of distance using laser is given below. Sensor shall have provision of inbuilt battery to support operation without any charging cable connection. Sensor shall also have local display to facilitate online measurement.

Bidder has to explicitly provide response against each specification point given in the “Bidder response” column. In case response against any specification clause is not provided either in the form of compliance or non-compliance, offer submitted by the bidder will be summarily rejected. Wherever bidder has been asked to submit documents in the “Bidder Response” column, Bidder shall submit the details as an attachment. In case Bidder has not submitted required documents as per specification clause, offer submitted by the bidder will be summarily rejected.

If bidder wants to provide any other relevant information in addition to the asked details, separate documents can be enclosed along with the offer. During technical evaluation of bids, if Purchaser ask for any clarification against submitted response from bidder or for any of the specification clause of the enquiry, Bidder shall submit complete details against the clarification in single response within the prescribed time. Failing which, offer will not be considered for further evaluation and will be summarily rejected declaring the bid technically Non-compliant.

Sl. No.	Technical Specification of Laser Based Distance Measurement Sensor		Bidder Response (Compliance/ Non-Compliance)
1	Item	Laser based Distance Measurement Sensor	
2	Application	Indoor as well as Outdoor	
3	Quantity	2 Nos.	
4	Range of operation	0.05 m to 250 m	
5	Resolution	0.1 mm	
6	Accuracy	± 1 mm	
7	Tilt Measurement Range	360°	
8	Tilt Measuring Tolerance	± 0.25°	
9	Function	a. Distance Measurement	
		b. Maximum & Minimum Measurement	
		c. Angle Measurement	
		d. Area/Volume Measurement	
		e. Level	
10	Laser Class	Class II	
11	In-built Memory for storage	500 measurements or more	
12	Ingress Protection	IP 65 or better	
13	Maximum Size	175 mm x 75 mm x 50 mm	
14	Maximum Mass	1 kg	
15	Operating Temperature Range	10 to 50 Degree C	
16	Power Supply	Rechargeable internal battery	
17	Display	LED or LCD screen for display	
18	Ingress Protection	IP 65	
19	Accessories	Standard accessories offered by OEM and shall include Charging cable for rechargeable batteries.	
20	<b>Guarantee/Warranty:</b> Distance Measurement Sensor shall be guaranteed/warranted against any manufacturing defects as well as for satisfactory performance over a period of 12 months from the date of receipt and acceptance at SAC, Ahmedabad.		
21	<b>Delivery Period:</b> 16 weeks from date of P.O.		

Sl. No.	Bid Documentation	Bidder Response (Compliance / Non-Compliance)
The following documents (in English) shall be provided by the vendor along with the quotation for offered products		
22	Complete technical description of offered sensor along with product datasheet	Bidder shall enclose product catalogue/datasheet along with complete technical specification of offered product and list of all accessories.
23	Details of all accessories which will be provided along with the sensor	
The following documents (in English) shall be provided by the Supplier along with the consignment at the time of Delivery:		
24	Guarantee/Warranty certificate	
25	Calibration Certificate	
26	Instruction and Operation Manual, if any	
<b>Packing</b>		
27	Sensor along with the accessories shall be supplied in suitable packing to avoid any damage during transportation.	
<b>Material Receipt Inspection</b>		
28	Material receipt inspection of sensor along with accessories will be carried out for acceptance after receipt at SAC; Ahmedabad.	