

Pre-bid meeting


Pre-bid Meeting through VC held on 21.12.2021 at 1600 hours at Deep Bhawan, Noida

Expression of Interest (EOI) for techno commercial proposal from prospective bidders for Supply, Installation, Testing and Commissioning of indigenously manufactured RACONs under Atmanirbhar Bharat initiative at various lighthouses along the Indian coast.

Replies to the Pre-bid Queries

Section & Clause No. of EOI	Sl.No.	Queries	Replies
Section-II Clause-2.1 Specifications	1.	Current during transmission. Our value is 700mA at 12 VDC. Do not know the required value of 150mA is at what voltage.	The specifications indicated are general in nature. The Racon should comply the latest Guidelines/ Recommendation issued by IALA/IMO. Slight variation in the specifications will be acceptable. Voltage range indicated is 9 to 36 VDC (nominal 12 VDC)
	2.	Frequency Band. Our racon is both X and S. S band are for longer range detection.	IMO MSC79 has approved radar performance Resolution 192(79) which has removed the requirement for 3 GHz (S-Band) radars to trigger RACONs. Therefore there is no need of 'S' band Racon.
	3.	Effective radiated power. We are more than 4 W.	The variation in the offered product must be indicated clearly
	4.	Lighting – Surge. Not specified in our Racon.	Racon must have provision of protection from surges
	5.	Antenna Gain – Less than 6dB.	The variation in the offered product must be indicated clearly
	6.	Vertical response +/-10 to 15	The range indicated is $\pm 10^\circ$ to $\pm 25^\circ$ The variation in the offered product must be indicated clearly
	7.	Humidity – Not specified in our racon.	For ingress protection the product must have IP rating IP 67 or above.
	8.	Salinity - Not specified in our racon.	The product offered must be rugged able to withstand continuous exposure to saline weather.

	9.	Wind - Not specified in our racon.	The product offered must be rugged able to withstand high wind speed 100 knots/hr.
	10.	Weight – 22kg	Slight variation in the specifications will be acceptable.
	11.	MTTR - Not specified in our racon.	The product offered should be highly reliable with minimum failure rate. Mean Time to Repair of the product offered should be minimum and must be indicated in hours.
	12.	MTBF - Not specified in our racon.	The product offered should be highly reliable having minimum failure rate.
General Query	13.	Criteria of make in India/ Atamnirbhar Bharat.	As per Order No. P-4501/2/2017-PP(BE-II) dated 16/09/2020 issued by Ministry of Commerce and Industry Department for Promotion of Industry and Internal Trade, Govt of India: (i) As 'Class-I' local supplier the local content requirement minimum 50%. (ii) As 'Class-II' local supplier the local content requirement is 20% to 50%. The above Govt order, purchase preference and local content, shall be applicable for Racon also.
	14.	Is it necessary the equipment/component need to be Make in India only?	Yes. Local content requirement is indicated in serial No.13..
	15.	Prior experience of manufacturing or assembling of such products may be waived-off.	As per extant Govt. orders, prior experience will be waived off for the MSME firms.
	16.	Advance payment.	There is no provision of advance payment.
	17.	Repair/Maintenance of the Racon.	Documentary evidence of having repair facility in India is must. All necessary spares for repair must be available with the supplier in India.


 (Digvijay Singh)
 AEE(E)
 for Director General
 of Lighthouses and Lighthouses