

MINUTES OF THE PRE-BID MEETING FOR PROCUREMENT OF “SOLAR TRACKER AND PYRHELIO METER “

In response to Tender Enquiry No. Tender Enquiry No. CPU/54/0223/73 Dated: Dated 10-02-2023, Head, CRS Pune constituted a committee for conducting a pre-bid meeting on 22nd February 2023 for procurement of “Procurement of “Solar Tracker and Pyrheliometers.”

The Prebid meeting held at 1100 HRS in the office of Surface Instrument Division, O/o C R & S, Pune

IMD officers

1.	Dr V K Soni, Scientist-F	Chairman
2.	Shri S. Patro, Scientist-D	Member
3.	Shri M K Gujar, Met A	Member
4.	Shri Vijai Kumar, Met A	Member Secretary

Bidders

No Bidders attended at IMD Pune only queries have been raised by email.

- I. M/s Rational Technologies Pvt. Limited has sent queries by email.
- II. M/s Hach DHR India Pvt Ltd has sent queries by email

Following are clarifications given by the committee the response to queries raised by bidders' representatives.

Clause/ page no of Tender Document	RFP description	Query	Reply to query
M/s Rational Technologies Pvt. Limited			
Page No 25 Para 4(4.1)/6	Payload	Request to consider 15 kg Payload	As per tender document
Page No 25 Para 4(4.1)/7	Torque	Request to consider 24 Nm	As per tender document

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Vijay Kumar

Page No 25 Para 4(4.1)/9	Power requirement	Request to consider 24VDC (21 to 32 VDC)	As per tender document
Page No 26 Para 4(4.1)/13	Operating temperature & humidity	Request to consider -40°C to +50°C	As per tender document
Page No 26 Para 4(4.1)/14	Rotation	Request to consider 360°, - 20° ~ +95°	As per tender document
Page No 25 Para 4(4.1)/8	Mounting provision	kindly provide the exiting sensors details to be mounted with tracker	Secondary Standard Pyranometer (thermopile based) will be installed
Page No 26 Para 4(4.2)/7	Impedance	Request to consider 15kΩ	As per tender document
Page No 26 Para 4(4.2)/6	Temperature dependence (percentage maximum error due to change of ambient temperature within operating range)	Request to consider <±1% (over operating range)	As per tender document
Page No 26 Para 4(4.2)/9	Non-Linearity (percentage deviation from the responsivity at 500W/m2 for the irradiance range 0 to 1000W/m2)	Request to consider <±0.2%	As per tender document
M/s Hach DHR India Pvt Ltd			
Page No 25/ Para 3 (3.7)	3. OVERALL REQUIREMENTS	The Solar Tracker system is a high cost item and importing it for DEMO is not possible. We therefore request you that instead of DEMO, prove	As per tender document

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		of installation and operation from end user may please be considered in lieu of DEMO. Kindly confirm.	
Page No 25/ Para 4 (4.1)	4.1 Specification of Solar Tracker	Weight of 2 Pyranometer and 2 Pyrheliometer and shading ball will be less than 15Kg and Gear driving will not be required. Therefore, we request you to kindly revise the payload/Torque to 20Kg/20 Nm and transmission to include Belt type. This will reduce the overall cost of system and IMD will have a competitive bidding.	As per tender document
Page No 25/Para 4.1(9)	9. Power requirement	Here the backup days asked is 7 days whereas at Page 24, Point 3.1 it is mentioned as 15 days. Kindly clarify.	15 days is required for backup and
Page No 26/Para 4.1(11)	11. Max velocity	We request you to kindly revise the angular velocity to 5 Degree/seconds to bid with a competitive	As per tender document

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Vijay Kumar

		model without compromising the functionality thus minimizing the overall bid cost. Kindly confirm.	
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(**Vijai Kumar**)
Member Secretary

M K Gujar

(**M K Gujar**)
Member

S Patro

(**S. Patro**)
Member

V K Soni

(**V K Soni**)
Secretary