

शुद्धिपत्र- संख्या -1 / CORRIGENDUM- NO. 1

निविदा संदर्भ सं: इकोईस -PUR-104/2025 दिनांक 27.05.2026

Tender Ref No: INCOIS-PUR 104/2025 dt. 27.05.2026

निविदा पहचान संख्या: GEM/2026/B/7590633 दिनांक 27.05.2026

Tender ID No: GEM/2026/B/7590633 dt.27.05.2026

ओडिशा के तटीय क्षेत्र में पवन तरंग धारा मापन उपकरण से युक्त तटीय बोया की आपूर्ति, स्थापना, चालू करना और पुनः प्राप्ति, साथ ही 1 वर्ष की ऑनसाइट वारंटी।

"Supply, Installation and Commissioning and Recovery of a Coastal Buoy with Wind Wave Current measurements at Coastal Odisha along with 01 year onsite warranty.

The **Corrigendum No. 1** is issued as appended below:

A. Amended/Additional details:

1) Bid Due Date Extension:

Sr. No	RFP Reference	Clause as per Tender Document	As per Corrigendum 01
1	Bid Submission Due Date	On or before 1200 hrs of June 17, 2026	On or before 1500 hrs of June 30, 2026
2	Bid Opening Due Date	After 1230 Hrs of June 17, 2026	After 1530 Hrs of June 30, 2026

B. Queries and INCOIS Response:

Sl No	Tender Requirement	Vendor Query	INCOIS response
1	M/s Tridel Technologies Pvt Ltd		
1.1	Technical Specification. Section 4.1	The vendor enquired about the distance of the buoy deployment position from the shore	INCOIS clarified that the deployment depth will be 20-30m from the shore of Puri in Odisha. Hence the vendors should plan to have an RF range of around 25-30 km.
2	M/s Pan India Consultants Pvt Ltd		
2.1	Hull weight <200 kg exclusive of sinker and Mooring chain. Section 4.1	A relaxation of 200kg hull weight (exclusive of sinker and mooring chain) to 250kg	INCOIS agreed to this point. The hull weight should be less than 250kg, exclusive of sinker and mooring chain.
	Eligibility criteria. Section 3.f	The vendor requested that the OEM experience on similar nature of work may	INCOIS clarified that the OEM's experience in executing similar works, with an order value meeting the requirements specified under Eligibility Criterion 3(f), may

		also be counted	<p>be considered, provided that documentary evidence of such work orders of OEM is submitted along with the Manufacturer's Authorization Form (MAF).</p> <p>INCOIS further clarified that the successful L1 bidder shall bear sole responsibility for the deployment, operation and maintenance, recovery of the system, and the delivery of quality-assured data throughout the contract period. In cases where a bidder relies on the OEM's experience to satisfy the eligibility criteria for participation in this tender, the bidder shall submit an undertaking on its official letterhead stating that it will be solely responsible for the end-to-end execution of the project, including deployment, operation and maintenance, recovery of the system, and the successful submission of all data and materials to INCOIS.</p>
3	M/s Varya Tech		
3.1		The vendor requested clarification on the ADCP mounting	INCOIS clarified that ADCP should be hull mounted.
3.2	Section 11.10 of INCOIS tender document	Details are requested for the EMD relaxation for the MSE industries	INCOIS clarified that the vendors registered with Ministry of Micro Small Enterprises (MSE) /National Small Scale Industries Corporation (NSIC) are exempted from payment of EMD only if the vendor is manufacturing and supplying specifically the tendered products. INCOIS will follow Govt. of India guidelines in this regard.
3.3		How many numbers of visits to the deployment site for the data recovery and buoy maintenance are needed during the deployment period	INCOIS stated that a minimum of 8 visits, as per INCOIS instructions are needed during the 1-year period. Any emergency visits like recovery of the buoy due to drifting, vandalism etc are not counted in the scheduled 8 visits.
3.4	RF frequency. Section 7.b	The vendor enquired whether licensed band of RF frequency be used for the INCOIS requirement	It is clarified that INCOIS prefers the use of a license-free RF frequency band for data transmission. However, if a bidder proposes to use a licensed RF frequency band, the bidder shall submit an undertaking confirming that all costs associated with the RF frequency license, spectrum

			usage, and data transmission charges shall be borne entirely by the bidder/vendor. The bidder/vendor shall continue to bear these costs for a period of five (5) years after the recovery of the buoy system to ensure that INCOIS can operate and utilize the buoy for future applications without incurring any additional communication or licensing expenses.
3.5		The vendor enquired if INCOIS can provide local support through known contacts in Puri for setting-up of a shore station for data reception	<p>INCOIS clarified that it may provide informal assistance through its existing contacts, wherever feasible. However, all arrangements required for the successful execution of the project, including obtaining permissions, coordinating with local authorities, establishing the shore station, and ensuring uninterrupted operation, shall be the sole responsibility of the bidder.</p> <p>Further, any costs associated with the establishment and operation of the shore station, including but not limited to rent, electricity charges, communication charges, maintenance expenses, and any other recurring or non-recurring costs, shall be borne entirely by the bidder.</p>
3.6	Recovery clause. Section 7.b	The vendor informed that reinstallation of the buoy within 7 working days would be difficult to execute, especially if the sea state and prevailing weather conditions are not permitting	<p>INCOIS accepts this request and clarifies that, in the event of the buoy going missing or drifting from its designated location, the vendor shall initiate search and recovery operations immediately upon notification, subject to prevailing weather and sea-state conditions being safe and suitable for such operations.</p> <p>Further, once weather and sea-state conditions become conducive for marine operations, the recovered buoy system shall be reinstalled at the designated location within ten (10) working days. The vendor shall be responsible for ensuring the timely recovery, reinstallation, and restoration of normal system operations.</p> <p>Any relaxation of the above timelines or requirements</p>

			shall be considered only under exceptional circumstances and shall be solely at the discretion of the Director, INCOIS, based on an assessment of the prevailing ground realities, operational constraints, and environmental conditions.
3.7	Warranty clause. Section 6	The vendor enquired about the one year standard warranty inclusions	<p>INCOIS clarified that the standard one-year warranty shall cover the complete buoy system, including all sensors, telemetry units, power systems, and associated components supplied under the contract. During the warranty period, any component that malfunctions, fails, or does not perform as per the specified requirements shall be repaired or replaced by the vendor at no additional cost to INCOIS. All costs associated with replacement, transportation, installation, testing, and restoration of the system to full operational status shall be borne by the vendor.</p> <p>During the warranty period, the vendor shall carry out a minimum of eight (8) preventive maintenance visits to the site, excluding emergency visits, as instructed by INCOIS for activities such as data download, sensor servicing, calibration checks, and system maintenance.</p> <p>If any sensor or system component is covered by an OEM warranty exceeding one (1) year, the bidder shall pass on the benefit of the extended warranty to INCOIS and provide all necessary support for availing warranty services and processing warranty claims with the OEM.</p>

c. Amended Tender Conditions/ Specifications:

1) Revised Experience Criteria (Part of Eligibility criteria, section 3.f of original tender document)

Bidders should have past experience in at least one similar nature of work in the last three years ending previous day of last date of submission of the online Bid. Out of which

- i) one work of value Rs. 1.20Cr or more
- ii) two works of value Rs. 75.00 lakhs or more
- iii) three works of value Rs. 60.00 lakhs. or more

Client certificates / Work Completion Certificate / Experience certificate along with the P.O no. as a reference to be enclosed in this regard.

If the bidder does not have the required experience as outlined above, then the bidder can claim the OEM's experience in executing similar works, with an order value meeting the requirements specified under Eligibility Criterion 3(f) of the original bid document, may be considered, provided that documentary evidence of such work orders of OEM is submitted along with the Manufacturer's Authorization Form (MAF). However, L1 bidder shall bear sole responsibility for the deployment, operation and maintenance, recovery of the system, and the delivery of quality-assured data throughout the contract period.

In cases where a bidder relies on the OEM's experience to satisfy the eligibility criteria for participation in this tender, the bidder shall submit an undertaking on its official letterhead stating that it will be solely responsible for the end-to-end execution of the project, including deployment, operation and maintenance, recovery of the system, and the successful submission of all data and materials to INCOIS.

2) Additional Technical Specification (part of Section 4.5)

4.1. Hull Weight <250kg, excluding moorings and sinker

4.5 Compact Weather Station system specifications

4.5		Compact Weather Station			
Specifications	The compact weather station should make measurements at 1Hz and store it. 10 minute Averaged outputs to be transmitted				
	SI No	Parameter	Specification		
	1	Air temperature	Range	10 to 50C	
			Accuracy	0.1	
			Resolution	+/-0.3° at 20°C	
			Sampling rate	1Hz	
	2	Air humidity	Range	0-100%	
			Accuracy	+/-2% at 20°C	
			Resolution	1%	
			Sampling rate	1 Hz	
			Range	700-1100 hpa	

		3	Barometric pressure	Accuracy	+/-0.5 hpa at 25°C
				Resolution	0.1 hpa
				Sampling rate	1 Hz
				Accuracy	+/- 1mm
				Drain time	30 sec or better
		4	Wind speed	Range	0-50 m/s
				Accuracy	0-10 m/s 0.3 m/s RMSE 10-40 m/s 3% RMSE 40-60 m/s 5% RMSE
				Resolution	0.01 m/s
				Sampling rate	1Hz
		5	Wind Direction	Range	0-360°
				Accuracy	0.5 m/s-40 m/s ±4° 40-50 m/s ±5°
				Resolution	1°
		6	Precipitation	Measurement type	Optical
				Range	0-250 mm/hr
Resolution	0.1 mm				

3) Revised warranty clause (Part of section 6 of original tender document)

Warranty Clause: The vendor shall provide a comprehensive one-year onsite warranty for the entire system, including all sensors, telemetry units, power systems, shore-station components, communication systems, mooring components, and all other associated hardware, software, and accessories supplied under

the contract that are necessary for the satisfactory performance of the buoy system. The warranty period shall commence from the date of successful supply, installation, commissioning, deployment, and acceptance of the system by INCOIS. The warranty period should cover the replacement of all the components / items in the system in case of malfunctioning at any point of time.

During the warranty period, the vendor shall carry out a minimum of eight (8) preventive maintenance visits to the site, excluding emergency visits, as instructed by INCOIS for activities such as data download, sensor servicing, calibration checks, and system maintenance.

Any sensor, instrument, subsystem, or component that malfunctions or fails due to manufacturing defects or workmanship issues during the one-year standard warranty period shall be repaired or replaced by the vendor at no additional cost to INCOIS. All associated costs, including transportation, installation, testing, and restoration of the system to full operational status, shall be borne by the vendor.

If any sensor or system component is covered by an OEM warranty exceeding one (1) year, the bidder shall pass on the benefit of the extended warranty to INCOIS and provide all necessary support for availing warranty services and processing warranty claims with the OEM.

4) Recovery Clause (Part of Section 7 of the original tender document)

Timelines for rectification:

- **Notification:** The Contractor must acknowledge any report of a missing or adrift buoy immediately.
- **Recovery & Re-installation:** In the event of the buoy going missing or drifting from its designated location, the vendor shall initiate search and recovery operations immediately upon notification, subject to prevailing weather and sea-state conditions being safe and suitable for such operations. Further, once weather and sea-state conditions become conducive for marine operations, the recovered buoy system shall be reinstalled at the designated location within ten (10) working days of buoy recovery. The vendor shall be responsible for ensuring the timely recovery, reinstallation, and restoration of normal system operations.
Any relaxation of the above timelines or requirements shall be considered only under exceptional circumstances and shall be solely at the discretion of the Director, INCOIS, based on an assessment of the prevailing ground realities, operational constraints, and environmental conditions

5) Additional Technical Compliance Statement (Part of Section 8.b of the original tender document)

Technical Compliance				
Sl No	Particulars	Tender requirement	Compliance status (YES / NO)	Details of documents attached / Remarks if any
7	Compact weather	Integrated compact meteorological station capable of measuring and storing data at 1 Hz and transmitting 10-minute		

station	<p>averaged outputs; measures air temperature over a range of 10 to 50°C with accuracy of $\pm 0.1^\circ\text{C}$, resolution of 0.3°C, and sampling rate of 1 Hz; measures relative humidity over a range of 0–100% with accuracy of $\pm 2\%$ at 20°C, resolution of 1%, and sampling rate of 1 Hz; measures barometric pressure over a range of 700–1100 hPa with accuracy of ± 0.5 hPa at 25°C, resolution of 0.1 hPa, and sampling rate of 1 Hz; measures wind speed over a range of 0–50 m/s with accuracy of 0.3 m/s RMSE (0–10 m/s), 3% RMSE (10–40 m/s), and 5% RMSE (40–60 m/s), resolution of 0.01 m/s, and sampling rate of 1 Hz; measures wind direction over a range of 0–360° with accuracy of $\pm 4^\circ$ for wind speeds between 0.5–40 m/s and $\pm 5^\circ$ for wind speeds between 40–50 m/s, and resolution of 1°; and measures precipitation using an optical sensor over a range of 0–250 mm/hr with a resolution of 0.1 mm.</p>		
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6) Revised Payment terms (Part of Section 9.5 of the original tender document)

Payment terms:

- 60% of the total Purchase Order (PO) value shall be released within 30 days of the successful supply, installation, commissioning, deployment, and acceptance of the system, subject to the submission of the ink-signed original invoice, installation/deployment report, warranty undertaking, and all other required documents.
- The remaining 40% of the PO value shall be released in four equal instalments of 10% each, upon the satisfactory completion of every three-month operational period following the initial deployment and acceptance of the system. Release of each 10% instalment shall be contingent upon the satisfactory performance of the buoy system, including the availability of all sensors and the delivery of good-quality data as per the specified data

return requirements. The last quarter of 10% payment will be made upon satisfactory performance of the buoy system and also retrieval and delivery of buoy system to INCOIS.

- Performance linked 10% payment release is provided below


Data return condition	Payment amount	Remarks
80% or above data return from all sensors	100% of the 10% payment will be released	Data return shall refer only to valid data that falls within the acceptable physical and operational range for each measured parameter. Data that are found to be outside the expected range of the respective variable shall not be considered as valid data return for the purpose of performance evaluation and payment calculations. INCOIS shall provide the vendor with appropriate evidence supporting the exclusion of such data when determining any reduction in payment based on data return performance.
60-80% data return from all sensors	90% of the 10% payment will be released	
Less than 60% of data return from all sensors	80% of the 10% payment will be released	

Net payment will be released after statutory deductions. No advance payment will be allowed and no other payment terms will be considered.

ध्यान दें:- ऊपर बताए गए बिंदुओं को छोड़कर, मूल निविदा दस्तावेज़ में दर्शाए गए अन्य सभी विनिर्देश, नियम और शर्तें अपरिवर्तित रहेंगी

NB: - Except for the points indicated above, all other Specifications, Terms and conditions as indicated in the original tender document, Remains unaltered unless further amended.

हैदराबाद /Hyderabad
17.06.2026


(देवेन्द्रकुमार/V.Subrahmanyam)
केंद्र अधिकारी/Nodal Officer,
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