

**INDIAN NATIONAL CENTRE FOR OCEAN INFORMATION SERVICES (INCOIS)**  
(Ministry of Earth Sciences, Government of India)  
Ocean Valley, Pragathi Nagar (BO), Nizampet (SO), Hyderabad 500 090, Telangana, India

**CORRIGENDUM No. 1**

**EOI No. PUR:56/2026 dated 02.09.2026 | CPPP Tender ID 2026\_INCOI\_924498\_1**

Global Expression of Interest cum Market Consultation: Towable Hybrid Marine Energy Converter and Ocean Observation Platform for field validation of the INCOIS Ocean Energy Atlas, Phase I pilot deployment, Andaman and Nicobar Islands

**A) The replies to the queries received from various bidders during the Pre-Bid Meeting held on 15.09.2026 at 1500 hrs through hybrid mode are given below:**

| Query No. | EOI reference              | Query                                                                                                                                                                                                                                                                              | Reply of INCOIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| P-1       | Cover page; para 1; para 8 | The cover page says no portal registration and no digital signature are needed to respond, but paras 1 and 8 say the response goes "Through CPP Portal and One signed PDF by e-mail". Must the EOI response be submitted on CPPP as well as by e-mail, or is e-mail alone enough?  | <p>E-mail alone is enough. CPPP registration and a digital signature certificate are not needed to respond to this EOI.</p> <p>Send the response in any one of these ways:</p> <p>(a) one signed PDF by e-mail to vijay@incois.gov.in and manyam@incois.gov.in, with a copy to <a href="mailto:dasariprasad@incois.gov.in">dasariprasad@incois.gov.in</a>;</p> <p>(b) upload on CPPP, if the firm is already registered there; or</p> <p>(c) a signed hard copy by post or by hand. One mode is enough. A scanned signed copy is accepted.</p> <p>Paras 1 and 8 of the EOI are amended accordingly at Part III. Any advice given earlier to an individual firm by e-mail is replaced by this reply.</p>                                                                                                                                                                                                                                                                                                                                                                       |
| P-2       | Cover page; Form 2, 2D.6   | The SMS verification code for CPPP registration does not reach a foreign mobile number, so registration cannot be completed. How can a foreign firm register? What registrations, digital signature certificate and documents should international bidders prepare for the tender? | <p>For the EOI, registration is not needed (see P-1).</p> <p>The tender/RFP shall be published on the Government e-Marketplace (GeM) portal. It will also be hosted on the INCOIS website (<a href="http://www.incois.gov.in">www.incois.gov.in</a>) and circulated to Indian Missions abroad and to Foreign Missions in India.</p> <p>If publication on GeM is not possible for technical reasons, the tender shall be published on the Central Public Procurement Portal (CPPP), <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a>. Bids shall be submitted only on the portal on which the tender is finally published.</p> <p>Foreign firms are advised to start enrolment and obtain the certificate now.</p> <p>Problems with SMS verification on foreign numbers may be taken up with the helpdesk (details under "Contact Us" on <a href="http://eprocure.gov.in">eprocure.gov.in</a>), quoting the Tender ID. INCOIS is also taking the matter up with the portal. Please record any such difficulty at Form 2, item 2D.6.</p> |

| Query No. | EOI reference                | Query                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Reply of INCOIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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|           |                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Documents to keep ready for the tender, as listed at Form 2, item 2D.6: power of attorney for the signatory, consortium agreement, audited statements for three years for each member, converter test reports and certificates, and a letter of engagement from a classification society. The tender will state any attestation needed for documents executed outside India.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| P-3       | Para 3; para 8; Form 2, 2D.6 | After the EOI, will the tender be on GeM or on CPPP? Should bidders register on CPPP, GeM or both? The GeM website and application cannot be reached from outside India, even through a VPN.                                                                                                                                                                                                                                                                                                | <p>The tender/RFP shall be published on the Government e-Marketplace (GeM) portal. It will also be hosted on the INCOIS website (<a href="http://www.incois.gov.in">www.incois.gov.in</a>) and circulated to Indian Missions abroad and to Foreign Missions in India.</p> <p>If publication on GeM is not possible for technical reasons, the tender shall be published on the Central Public Procurement Portal (CPPP), <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a>. Bids shall be submitted only on the portal on which the tender is finally published.</p> <p>Prospective bidders, including foreign firms, are advised to complete registration on both portals well before the tender is published:</p> <p>(a) GeM: <a href="https://gem.gov.in">https://gem.gov.in</a> (Global Tender – Seller Registration). Bidders shall comply with the registration and bid-authentication requirements of the GeM portal.</p> <p>(b) CPPP: <a href="https://eprocure.gov.in/eprocure/app">https://eprocure.gov.in/eprocure/app</a> (Online Bidder Enrollment). The procedure is given in the Bidders Manual Kit at <a href="https://eprocure.gov.in/eprocure/app?page=BiddersManualKit&amp;service=page">https://eprocure.gov.in/eprocure/app?page=BiddersManualKit&amp;service=page</a>. Bidding on CPPP requires a valid Class 3 Digital Signature Certificate (DSC) issued by a Certifying Authority licensed in India.</p> <p>INCOIS shall not be responsible for any delay in registration, enrolment or procurement of the DSC by bidders.</p> |
| P-4       | Para 3; para 8; Form 2, 2D.5 | How should commercially sensitive and proprietary information be marked and submitted? May it go in a separate confidential annex with access restricted to the evaluation committee? Will it be kept out of published records and away from other firms and third parties, with prior consent before wider disclosure? Will the tender turn such information into functional requirements without copying the firm's design? What level of detail is expected in the EOI, and can detailed | <p>Yes. Put such material in a separate annex marked "Commercial in confidence" and say so in the covering letter. Access is limited to the Technical and Financial Evaluation Committee, INCOIS officers assisting it, the Independent External Monitors and Government reviewers, including audit. Confidential annexes are not published and are not shown to any other respondent or bidder.</p> <p>Requests for disclosure under Indian law, such as the Right to Information Act, 2005, will be handled under that law, which protects trade secrets and commercial confidence, and the firm will be consulted before any decision to disclose. The tender will state requirements in functional and performance terms. It will not reproduce any firm's design, and it will not be written around the product of any one supplier (para 3).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

| Query No. | EOI reference                                   | Query                                                                                                                                                                                                                                                                                                                                                                                                                                   | Reply of INCOIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
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|           |                                                 | drawings, calculations, control methods and software be held back for a later restricted review?                                                                                                                                                                                                                                                                                                                                        | At EOI stage, functional and performance descriptions, a summary of test and deployment evidence (facility, scale, dates, duration, main results, availability achieved) and interface information that does not disclose the design are enough. Detailed drawings, calculations, control methods, source code and unpublished patentable material are not needed now. INCOIS will not hold a separate restricted review with any single firm at EOI stage (para 8). Design details will be examined at tender stage, within the bid and under the same confidentiality.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| P-5       | Paras 3, 7, 8; Form 1, 1.4 to 1.6; Form 2, 2D.6 | Is an integrated EOI response naming a prospective lead shipyard, specialist members and a split of work preferred over separate responses? Are notes of ongoing talks or non-binding letters of interest enough now? May a platform respondent name more than one possible wind or solar supplier and choose before the bid? If those suppliers respond separately, may they later join the consortium or supply directly to the lead? | <p>An integrated response naming the lead and members tells INCOIS more about how the work would be delivered, and separate part-scope responses are equally welcome. Technical details of individual converters are useful for framing the RFP. However, INCOIS will require single firm to execute the project from start to end and will not directly deal with any of the partners identified by the lead bidder.</p> <p>At EOI stage, a statement of ongoing discussions or non-binding letters of interest is enough. Final members and a binding consortium agreement are needed only at tender stage.</p> <p>Yes, more than one possible wind or solar supplier may be named now, with the final choice made before bid submission. After bid submission the composition cannot change without INCOIS consent.</p> <p>Yes. Responding separately to the EOI does not stop a firm from later joining any consortium or supplying to a lead contractor, and not responding bars nobody (para 3). The tender will state whether a technology supplier may appear in more than one bid, and in what role.</p> |
| P-6       | Para 4.7; Form 2, 2C.5                          | Please give the indicative timetable for tender publication, evaluation, contract award and signing, and the notice to proceed, so that the time available for engineering, procurement and construction before the installation window can be judged.                                                                                                                                                                                  | <p>Indicative only, and subject to approvals: tender publication after study of the EOI responses, in the last quarter of 2026, with a bid period of about six weeks; evaluation from the end of 2026 into early 2027; award, contract signing and start of engineering targeted by 31.03.2027. Installation and commissioning are planned in the October 2027 to January 2028 window. Total project completion is by 15-February 2028.</p> <p>This leaves about seven months from award for design, fabrication and delivery (para 4.7). Firms are asked to comment at Form 2, item 2C.5 on whether this is workable and on what conditions. The tender will give the contract completion period.</p>                                                                                                                                                                                                                                                                                                                                                                                                            |
| T-1       | Para 4, Installed capacity; Form 2, 2A.2; 4.5   | Is "about 250 kW" a target, a preferred maximum or a hard limit? Is a minimum rating required for each of wind, wave and solar? Will a justified aggregate moderately above or below 250 kW be accepted?                                                                                                                                                                                                                                | <p>About 250 kW is the indicative aggregate for Phase I. It is not a hard upper limit. The gross integrated energy capacity of the modular platform may be taken as of the order of 250 kW. Wave, wind and solar must all be present, because the facility is meant to test the three together. No minimum rating for any one technology is fixed at this stage.</p> <p>In the EOI response a firm may propose a different aggregate with its reasons. The power system, battery and load bank must be rated for the aggregate offered.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

| Query No. | EOI reference                                        | Query                                                                                                                                                                                                                                                                                                                                                                                                                                    | Reply of INCOIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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|           |                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                          | The tender will state the permitted band for the aggregate and any minimum for each technology, so that all bids are compared on the same footing.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| T-2       | Para 4, Design environment; Form 2, 2A.4, 2A.5, 2B.6 | Will the final design basis specify wind reference height, averaging period and gust definition, turbulence intensity and cyclone turbulence assumptions, gust factor and wind profile, extreme current speed and direction, combined wind-wave-current conditions and directions, water temperature range and other tropical limits, and return periods and load combinations for operating, parked or survival and damaged conditions? | <p>Yes. The design basis note will be issued by corrigendum before the tender, so that every bidder designs to the same conditions.</p> <p>It will give the wind speed as a 10-minute mean at 10 m above mean sea level, with the gust definition and wind profile; the current speed and direction; the joint wind, wave and current conditions and directions to be checked; the air and sea temperature ranges; and the return periods and load cases for operating, parked or survival, and one-mooring-line-damaged conditions. INCOIS can provide model derived values only, obtained from numerical weather prediction and satellite-based products.</p> <p>Where INCOIS does not give a value, for example turbulence intensity in cyclonic winds, the note will name the standard to be followed. The successful bidder shall obtain design approval of the platform and mooring from an IACS member classification society, at its own cost, before fabrication begins, and shall keep the platform in class until handover.</p> |
| T-3       | Paras 4.2, 4.4, 5; Form 2, 2B.2, 2B.6                | When will INCOIS give site coordinates, bathymetry and depth range, seabed and geotechnical data, extreme current data, seismic parameters, tsunami design assumptions and known installation or navigation constraints?                                                                                                                                                                                                                 | <p>INCOIS intends to procure a towable platform carrying the converters on board, capable of being relocated to different locations of scientific interests identified by INCOIS. In the initial phase the platform will be placed close to the Andaman Islands for about one year, to assess the seasonal variability of the three energy forms. The area under consideration is shown at Annexure-I. The exact position will be fixed after the site survey.</p> <p>With the tender, INCOIS intends to give, as far as available: the site coordinates or search area; bathymetry and water depth range; model derived current data; seismic parameters for the Andaman region under IS 1893; tsunami scenarios for the site from INCOIS tsunami models; and known navigation and security restrictions.</p> <p>Data will be given for information. Interpretation stays with the bidder. Where an item is not available by the tender date, the tender will give a common design assumption for all bidders.</p>                        |
| T-4       | Form 2, 2A.4                                         | Will INCOIS issue a common preliminary platform motion envelope for converter suppliers, or will the integrator derive it through coupled design?                                                                                                                                                                                                                                                                                        | <p>INCOIS will not issue a common motion envelope. Platform motions depend on the hull and mooring each bidder proposes.</p> <p>The lead bidder, will derive the motions through coupled analysis of its own platform, mooring and converters, and will show that each converter stays within its declared limits in operating and survival conditions.</p> <p>Converter suppliers should state at Form 2, 2A.4 the heave, pitch, roll and accelerations their machine can take, with the reference point and the load case.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

| Query No. | EOI reference                            | Query                                                                                                                                                                                                                                                                                                                                                                                                                           | Reply of INCOIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| T-5       | Para 4, Modularity; Form 2, 2A.3, Part C | Will INCOIS prescribe a standard interface geometry and electrical or data interface, or may converter suppliers propose an interface envelope for the integrator? Suggested content: footprint and fixing, static, fatigue and ultimate loads, centre of gravity and mass, electrical output and protection, auxiliary power, emergency stop, control and SCADA, time-synchronised channels, data protocol and cyber security. | <p>INCOIS will not prescribe the interface geometry of the module seats, as this depends on the converters selected by the bidder.</p> <p>The bidder shall prepare an Interface Control Document (ICD) for each module seat covering the mechanical, electrical, control, safety and data interfaces. The tender will specify the minimum content of the ICD, and all items raised in this query will be included. The ICD shall be reviewed and accepted by INCOIS at the review stage.</p> <p>The ICD and the module seat design shall be verified by an independent classification society or recognised third-party agency as part of design approval. The applicable standards will be listed in the tender and will include the IEC TS 62600 series for marine energy converters, IEC 61892 for electrical installations on offshore units, and IEC 62443 for control system cyber security.</p> <p>Review, comment, acceptance or approval by INCOIS or its consultants of the ICD, drawings, calculations or any other document submitted by the bidder is for general conformity with the tender requirements only. It shall not relieve the bidder of sole responsibility for the correctness, adequacy and safety of the design, or for the interfacing, integration and performance of the system. Any error, omission, defect or failure arising from the bidder's design or documents shall be rectified by the bidder at its own cost and risk, whether or not INCOIS has accepted the document concerned.</p> <p>INCOIS will fix only the requirements common to the whole facility: open data formats, time stamping from a GNSS-referenced clock, an emergency stop linked to the platform safety system, and the cyber security requirements stated in the tender. Each module seat shall be capable of accepting a later module from another supplier without modification to the hull.</p> <p>The lead bidder shall act as system integrator and shall be responsible for the performance of all modules supplied under this contract. The accepted ICD shall be handed over to INCOIS so that any module procured separately at a later date can be fitted without modification to the hull. The supplier of such a later module shall be responsible for its performance and integration.</p> |

| Query No. | EOI reference                                               | Query                                                                                                                                                                                                                                                                                            | Reply of INCOIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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| T-6       | Para 4, Modularity; Form 2, 2A.10                           | For a wind converter, does module exchange at sea mean that the complete module must be removable offshore, or that only the interface must permit removal without structural change while major removal is done in port or in a planned campaign, or may either be proposed with justification? | <p>Each converter shall be capable of being removed and replaced without cutting, welding or any other alteration to the hull. Routine maintenance and replacement of major components shall be possible on station.</p> <p>For a complete wind converter, removal and replacement may be proposed either offshore or in port during a planned maintenance campaign. The bidder shall state in its technical bid the method proposed, the vessel and crane to be deployed, the limiting weather and sea state for the operation, and the expected downtime.</p> <p>Annual availability shall not be less than 90% measured for the facility as a whole on platform systems and on data completeness for each observation channel, and not separately for individual converters or suppliers (See C-1 and C-2). Availability will be calculated over each contract year, and the method of calculation will be given in the tender. The following periods alone shall be excluded from the calculation:</p> <ul style="list-style-type: none"> <li>(a) periods when the sea state exceeds the operating limits declared by the bidder and accepted by INCOIS at bid evaluation;</li> <li>(b) maintenance campaigns included in the annual maintenance plan agreed with INCOIS, up to the duration stated in that plan;</li> <li>(c) outages attributable to INCOIS; and</li> <li>(d) force majeure events as defined in the contract.</li> </ul> <p>Any downtime for removal, replacement or repair outside the above exclusions, including any overrun of an agreed campaign, shall count against availability under the O&amp;M contract. Any shortfall in availability shall attract the deductions specified in the tender.</p> |
| T-7       | Para 4, Platform and End of term; Form 2, 2A.9, 2A.10, 2B.3 | Does the 25-year design life apply to each energy converter, or mainly to the hull, primary structure and mooring, with converter life and replacement intervals stated by each supplier?                                                                                                        | The 25-year design life applies to the hull, primary structure, module seats and mooring, not automatically to each converter. Each supplier shall state converter design life, expected reliability or MTBF supported by available evidence and maintenance, overhaul and replacement intervals. The RFP will define measurable reliability, availability and deduction provisions.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |

| Query No. | EOI reference                                                                                      | Query                                                                                                                                                                                                                                                                                                           | Reply of INCOIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| T-8       | Para 6, Energy converters; Form 2, 2A.1, 2A.8                                                      | May operating evidence from a predecessor or demonstrator using the same conversion principle and architecture support the technology readiness claim for a later model, if the differences are identified, backed by analysis and testing, and a certification plan is given?                                  | <p>Yes, on the conditions stated in the query. The differences between the demonstrator and the offered model must be listed and supported by analysis and test results, and a certification or verification plan for the offered model must be given.</p> <p>Readiness will be assessed for the model offered. Evidence on that model itself will carry more weight in the tender evaluation than evidence from an earlier model. The tender will state the minimum level and the evidence expected.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| T-9       | Para 6, Energy converters; Form 2, 2A.6, 2A.8                                                      | What certification status is expected for each converter at tender submission, award, design freeze, installation and commissioning? Will INCOIS or the classification society nominate a wind standard, or may the supplier propose the standard and certification route for a floating vertical axis turbine? | <p>The tender will fix the stages. The approach now proposed is: at bid, certification held or a certification plan naming the certifying body and milestones; before contract signing, a letter of engagement from that body; at design freeze, the design basis and design assessment accepted by the certifying body and the platform's classification society; before tow-out, the design evaluation of the offered configuration completed; at commissioning, the platform in class and the converter certification completed, or completed within a period fixed in the contract.</p> <p>INCOIS will not name one wind standard. The supplier may propose the applicable part of IEC 61400, for example IEC 61400-2 where the rotor swept area falls within its scope, with the floating and marine requirements of the classification society, and with a certified power curve and performance, preferably in omni directional wind with passive yawing. The choice is subject to acceptance by the classification society and approval by INCOIS.</p> |
| T-10      | Para 4, Provision for later expansion; Form 2, 2A.11, 2C.7                                         | Can the three to four times expansion be met by reserved module positions and structural, electrical and mooring capacity for more units, rather than uprating the installed converter? May the integrator set the expansion load cases from supplier data on mass, loads, spacing and wake?                    | <p>Yes. The requirement is met by reserved module positions, at least two spare bays, with structural, stability, electrical, cooling, data and mooring reserve for the higher capacity. The converters installed in Phase I need not be capable of uprating. The same platform is to be capable of taking the additional converters, without building a separate platform.</p> <p>The lead bidder may set the expansion load cases from mass properties, interface loads, spacing and wake data given by the converter suppliers. These load cases must be stated in the design and reviewed by the classification society.</p>                                                                                                                                                                                                                                                                                                                                                                                                                               |
| T-11      | Para 4, Power delivered ashore; 4.6; Form 2, 2C.4                                                  | Will INCOIS give indicative Phase II data before the tender: shore landing point or distance, export voltage, maximum future capacity, grid or shore station characteristics, protection and synchronising needs? If not, may bidders state their own assumptions and margins?                                  | <p>Phase II parameters are not yet fixed. The tender will give a common set of assumptions for the export provision: the likely distance to shore, the export voltage band and the maximum future capacity, being three to four times the Phase I capacity, with the synchronising and protection philosophy to be provided for.</p> <p>Bidders shall design the Phase I provision to those assumptions and state any further assumptions and margins they use. No export cable is supplied in Phase I.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| T-12      | Para 4, Facility, Installed capacity, Provision for later expansion; 4.5, 4.7; Form 2, 2A.11, 2C.7 | Should the Phase I platform reserve structural capacity, a subsea mounting position, electrical and data interfaces, cable routes and control provision for later ocean-current or tidal                                                                                                                        | INCOIS would welcome such a provision, but it is not a mandatory requirement at this stage. A firm offering it should describe it at Form 2, Part D, with its cost in weight, deck area and stability.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

| Query No. | EOI reference                                                                     | Query                                                                                                                                                                                                                                                                             | Reply of INCOIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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|           |                                                                                   | converters, subject to current measurements? If so, is future tidal capacity counted within the three to four fold expansion or stated separately?                                                                                                                                | Any ocean-current or tidal capacity, whether offered now as an option or provided for later, is stated separately. It is not counted within the approximately 250 kW Phase I aggregate or within the three to four fold expansion.<br><br>Whether the tender asks for a reserved position will depend on the current measurements at the chosen site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| T-13      | Para 4, Power delivered ashore, Provision for later expansion; Form 2, 2C.4, 2C.7 | Should the expansion provision also allow later installation of a modular seawater desalination plant, with reserved deck or container space, structural and electrical capacity, seawater intake and brine discharge interfaces, and a route for a freshwater pipeline to shore? | Desalination is outside the objectives of Phase I, and the tender will not require a separate provision for it. The facility is a research and observation platform, and its energy is dissipated on board.<br><br>The deck, structural and electrical reserve kept for later expansion may later be used for other trial loads, a desalination trial among them. Seawater intake, brine discharge and a freshwater pipeline to shore will not be required.<br><br>A firm may still describe the idea at Form 2, Part D, with its cost in weight, deck area and stability.                                                                                                                                                                                                                                                                              |
| T-14      | Paras 4.2, 4.4; Form 2, 2B.2                                                      | What water depth is proposed for the Phase I deployment near the Andaman and Nicobar Islands?                                                                                                                                                                                     | The depth is left open in the EOI on purpose, because the platform is towable and is to be relocatable to other locations of scientific interest.<br><br>For Phase I, INCOIS presently expects the station to lie within the area shown at Annexure-I, within the Port Blair marine logistics envelope, in a water depth of the order of 25 m to 40 m. The depth will be settled after the site survey and will be stated in the tender.<br><br>Bidders should state the depth range their platform is designed for, the depth they recommend for this facility, and what changes with depth in hull form, mooring, anchors and installation method (Form 2, 2B.2).                                                                                                                                                                                     |
| T-15      | Para 4, Design environment; para 5                                                | Could INCOIS provide further metocean data for the site?                                                                                                                                                                                                                          | A map of the hybrid energy area under consideration is published at Annexure-I to this corrigendum. It shows the 30 km coastal buffer within which the resource is consistent for about 200 days in a year, the depth contours and the cyclone tracks of 2002 to 2022.<br><br>The wind, wave and solar resource figures INCOIS holds for this sector are model derived, from numerical weather prediction and satellite based products. Correcting them by measurement is the purpose of this facility.<br><br>Further model derived metocean information for the area will be published on the portals with the design basis note before the tender, so that every bidder works from the same data. Site specific measured data will follow the site survey. All data issued by INCOIS is for information, and interpretation remains with the bidder. |
| T-16      | Para 6, Energy converters; Form 2, 2A.1, 2A.8                                     | What technology readiness level will be acceptable at the tender stage?                                                                                                                                                                                                           | For each converter, the highest readiness level available for that technology is expected, supported by evidence of tank or open water testing and of deployment history (para 6). A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

| Query No. | EOI reference                                              | Query                                                                                                                                                                                                                                                                                                             | Reply of INCOIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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|           |                                                            |                                                                                                                                                                                                                                                                                                                   | <p>certified power curve or power matrix and performance evidence will be sought for each converter.</p> <p>Readiness is assessed for the model offered, and evidence from an earlier model of the same architecture is treated as stated at T-8. The minimum acceptable level and the evidence required will be stated in the tender.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| T-17      | Para 4, Provision for later expansion; Form 2, 2A.11, 2C.7 | Can wave, wind and solar capacity be expanded at the same station in future?                                                                                                                                                                                                                                      | <p>Yes. The platform is to be built in Phase I so that the installed capacity can be raised three to four times on the same hull and the same mooring, by adding converter modules at the reserved positions. The detail is at T-10.</p> <p>Anything beyond that would be a separate facility and a separate project, and does not form part of this procurement.</p>                                                                                                                                                                                                                                                                                                                                                                                                                     |
| C-1       | Para 7; Form 2, 2A.10, 2C.6                                | Will the tender separate converter availability, hybrid power system availability, platform availability and data channel availability? Will outages caused by other platform systems, marine operations, export systems or access restrictions be excluded from an individual converter supplier's availability? | <p>The contract will be with one party carrying single-point responsibility, and availability will be measured for the facility, not for individual suppliers. The tender will define the availability items and yearly targets: at least platform systems availability and data completeness on each observation channel. Whether converter availability is measured as a separate item will be stated in the tender.</p> <p>How the obligations are shared among consortium members or sub-contractors is for the bidder to arrange. INCOIS will not split them.</p> <p>The tender will define excused downtime, such as delay caused by INCOIS, force majeure including named cyclones, and access restrictions ordered by the authorities. Grid export does not arise in Phase I.</p> |
| C-2       | Paras 2, 4 (Observation and data), 7; Form 2, 2C.6         | Does the 90 per cent data availability requirement apply only to the Phase I validation campaign or through all ten years of O&M? How will O&M payments and damages be adjusted if the requirement is not met?                                                                                                    | <p>The 90 per cent target applies in every year of the ten-year O&amp;M term. The twelve-month validation campaign is year one of those ten (para 4).</p> <p>Performance will be measured each year on platform systems availability and on data completeness for each observation channel (see also C-1). Before acceptance, a reliability run on the platform will be required.</p> <p>The yearly O&amp;M payment will be reduced in proportion to any shortfall below target, up to a cap. Excused downtime will not count. The method of calculation and the figures will be given in the tender. Damages are linked to availability and to delivery of data, not to energy generated (para 7).</p>                                                                                   |
| C-3       | Para 6, Financial; para 7; Form 1, 1.7; Form 2, 2D.6       | For a specialist technology partner whose contribution is intellectual property, design, engineering, integration and commissioning support rather than fabrication, will INCOIS accept evidence of liquidity, committed funding                                                                                  | <p>The comment is noted and will be considered when the qualification criteria are finalised. INCOIS agrees that the main financial criteria should rest with the lead bidder, who carries single-point responsibility.</p> <p>For a technology partner, INCOIS will consider accepting, in place of positive net worth, evidence matched to the size and timing of its own work package: management accounts,</p>                                                                                                                                                                                                                                                                                                                                                                        |

| Query No. | EOI reference                        | Query                                                                                                                                                                                                                                                                                                                                                                                                    | Reply of INCOIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|-----------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |                                      | and continuity for its own work package in place of positive net worth or a parent or bank guarantee? What evidence is expected at EOI and tender stage?                                                                                                                                                                                                                                                 | committed funding, and a cash-flow and continuity plan for the execution period, together with the lead bidder's acceptance of its delivery arrangements. The final position, and whether a parent or bank guarantee is still needed in some cases, will be stated in the tender.<br><br>At EOI stage no financial documents are required, item 1.7 of Form 1 being optional. Firms may set out their proposal at Form 2, Part D.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| C-4       | Para 7; Form 2, 2D.4                 | Will all milestone payments go only to the lead member, or may named members be paid directly for verified deliverables? If through the lead member only, will there be a period for onward payment? What advance, principal milestones and payment timing are expected?                                                                                                                                 | Payments will be made to the lead member, who carries single-point responsibility. The tender will state whether the foreign-currency part for imported supply may be paid by letter of credit directly to the named member supplying it.<br><br>Onward payment between members is a matter for the consortium agreement. The tender may require that agreement to state a period for onward payment.<br><br>No general mobilisation advance is planned. A milestone payment against long-lead purchase orders may be allowed against a bank guarantee. Principal milestones are expected to be: design approval, long-lead orders, steel erection at the yard, converter factory tests, launch and harbour tests, delivery at site, and commissioning and acceptance, with a retention released after acceptance. Payment timelines will follow Government of India instructions on prompt payment and will be stated in the tender. |
| C-5       | Para 7; Form 2, 2D.4                 | Will the 3 to 5 per cent performance security and any advance-payment bank guarantee be required only from the lead member on behalf of the consortium, or also from individual members? What are the validity, reduction and release conditions?                                                                                                                                                        | The performance security and any guarantee against a long-lead milestone will be furnished by the successful bidder on behalf of the consortium. Separate guarantees from each member will not normally be sought, except a parent-company or bank guarantee where a technology partner is small or is a subsidiary (para 7), read with C-3.<br><br>Performance security is expected to run from contract signing to acceptance of the facility, then step down to a percentage of the annual O&M value for the O&M term, remaining valid for 60 days beyond the final obligations. A long-lead milestone guarantee will be released in stages as the items are received. The percentage within 3 to 5 per cent and the exact terms will be in the tender.                                                                                                                                                                            |
| C-6       | Para 4.1; para 7; Form 2, 2D.1, 2D.2 | Under single-point responsibility, how will responsibility and liability be shared between the lead contractor and members or sub-contractors, especially where availability is affected by equipment or interfaces outside a technology partner's control? Will defined work packages, interface duties and liability limits for each member be accepted, with the lead keeping overall responsibility? | For INCOIS, the successful bidder needs to take single-point responsibility for the whole contract execution, and the handling of consortium members falls under the responsibility of successful bidder. Aggregate liability under the contract will be capped, with the usual exceptions, as stated in the tender.<br><br>Work packages, interface duties and limits of liability between members may be set in the consortium agreement and will fall entirely under the scope of the successful bidder, and INCOIS will not be party to it. These internal arrangements do not reduce what is owed to INCOIS.<br><br>A technology firm that does not wish to be a consortium member may take part as a sub-contractor or supplier to the successful bidder and will be entirely under its responsibility.                                                                                                                         |

| Query No. | EOI reference                                      | Query                                                                                                                                                                                                                                                                                                                           | Reply of INCOIS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------|----------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| C-7       | Paras 4.7, 5, 6, 7; Form 1, 1.4, 1.5; Form 2, 2C.5 | For the tow of about 760 nautical miles and the offshore installation, who is expected to hold responsibility for the marine spread, towage, marine warranty survey, port and yard services, installation and marine risks? How should a converter technology partner's role and liability be defined when others do this work? | <p>The successful bidder shall be responsible for all marine operations, including the marine spread, towage, marine warranty survey, port and yard services, installation and marine insurance (paras 5 and 7 refer). INCOIS will not provide vessels, tugs, barges, port facilities or crew. All permits and clearances needed for marine operations shall be obtained by the successful bidder. INCOIS will issue supporting letters where required.</p> <p>In the case of a consortium, the division of marine operations work with the member or named partner meeting the marine operations criterion (para 6) is entirely the responsibility of the consortium. The role and liability of the converter partner in load-out, tow and hook-up shall be settled in the consortium agreement and the responsibility matrix, as stated in the reply to C-6. All consortium members shall be jointly and severally liable to INCOIS for the performance of the contract.</p> <p>The successful bidder shall be solely responsible for the performance of the entire contract, including work assigned to consortium members, sub-contractors and technology partners. If any of them fails, withdraws or does not co-operate at any stage, the successful bidder shall arrange a replacement of equal or better capability, with the prior written approval of INCOIS, at no additional cost. A replacement for a member or partner whose credentials were relied on to meet any qualification criterion shall meet that criterion in full. Such failure or replacement shall not be a ground for extension of time. INCOIS shall bear no financial or time liability on this account.</p> |
| C-8       | Para 7; Form 2, 2D.5                               | Please confirm that supplier background patents, designs, simulation methods and software remain supplier property, while observation data and the corrected Atlas vest in INCOIS and MoES. What are the scope and trigger conditions of design and software escrow and step-in rights?                                         | <p>Confirmed. Background intellectual property, including patents, designs, simulation methods and software, remains with its owner. INCOIS will need a licence to use it for the operation, maintenance, repair, modification, uprating and redeployment of this facility. All data, the corrected INCOIS Ocean Energy Atlas dataset and derived products vest in INCOIS and MoES (para 7).</p> <p>Escrow is expected to cover the hull and mooring design files, the documentation needed to maintain and repair each converter, and the firmware and source code of the data acquisition and control system. Release is expected only on insolvency, abandonment of the contract or failure to support the facility. Step-in rights would apply on the same events, so that INCOIS can keep the facility running. Scope and triggers will be fixed in the tender.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| C-9       | Paras 2, 3; para 4, Power delivered ashore         | Are there plans for large-scale power generation and commercial deployment in future?                                                                                                                                                                                                                                           | <p>Phase I is a research and validation facility and not a power project. The energy produced during the trials is dissipated on board and nothing is exported to any grid in Phase I.</p> <p>The platform is nevertheless required to carry, from the start, the provision for delivering power ashore later, to a nearby grid, a shore station or a building on land (para 4).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

| Query No. | EOI reference | Query | Reply of INCOIS                                                                                                                                                                                                                                                                                                       |
|-----------|---------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|           |               |       | Any later supply of power ashore, and any larger deployment that may follow from the corrected Atlas, would be taken up as separate projects with their own approvals and their own procurement. Neither this EOI nor the tender that follows carries any assurance of a further order or of a commercial deployment. |

**B) Amendments to the EOI**

| No. | Provision of the EOI                                                                     | Amendment                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|-----|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1   | Para 1 (At a glance), row "How to send", and para 8 (How to respond), sub-head "Sending" | For the existing text, read: "A response may be sent in any one of the following ways:<br>(a) one signed PDF by e-mail to vijay@incois.gov.in and manyam@incois.gov.in, with a copy to <a href="mailto:dasariprasad@incois.gov.in">dasariprasad@incois.gov.in</a> ;<br>(b) upload on the Central Public Procurement Portal, by firms already registered there; or<br>(c) a signed hard copy by post or by hand, to the address at para 1. Only one mode is needed. A scanned signed copy is acceptable. Registration on the CPP Portal and a digital signature certificate are not required for responding to this EOI." |
| 2   | New Annexure-I to the EOI                                                                | The map at Annexure-I to this corrigendum, showing the hybrid energy area under consideration for the Phase I deployment, is added to the EOI for information. The position shown is indicative. The exact position and water depth will be fixed after the site survey and stated in the tender.                                                                                                                                                                                                                                                                                                                        |
| 3   | Replies at Part II                                                                       | The replies at Part II are to be read as part of the EOI. Where a reply differs from the text of the EOI, the reply prevails.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 4   | Closing date                                                                             | The last date and time for receipt of responses remains 06.10.2026, 1700 hours IST. All other terms and conditions of the EOI remain unchanged.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

**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 EOI remains unaltered unless further amended.

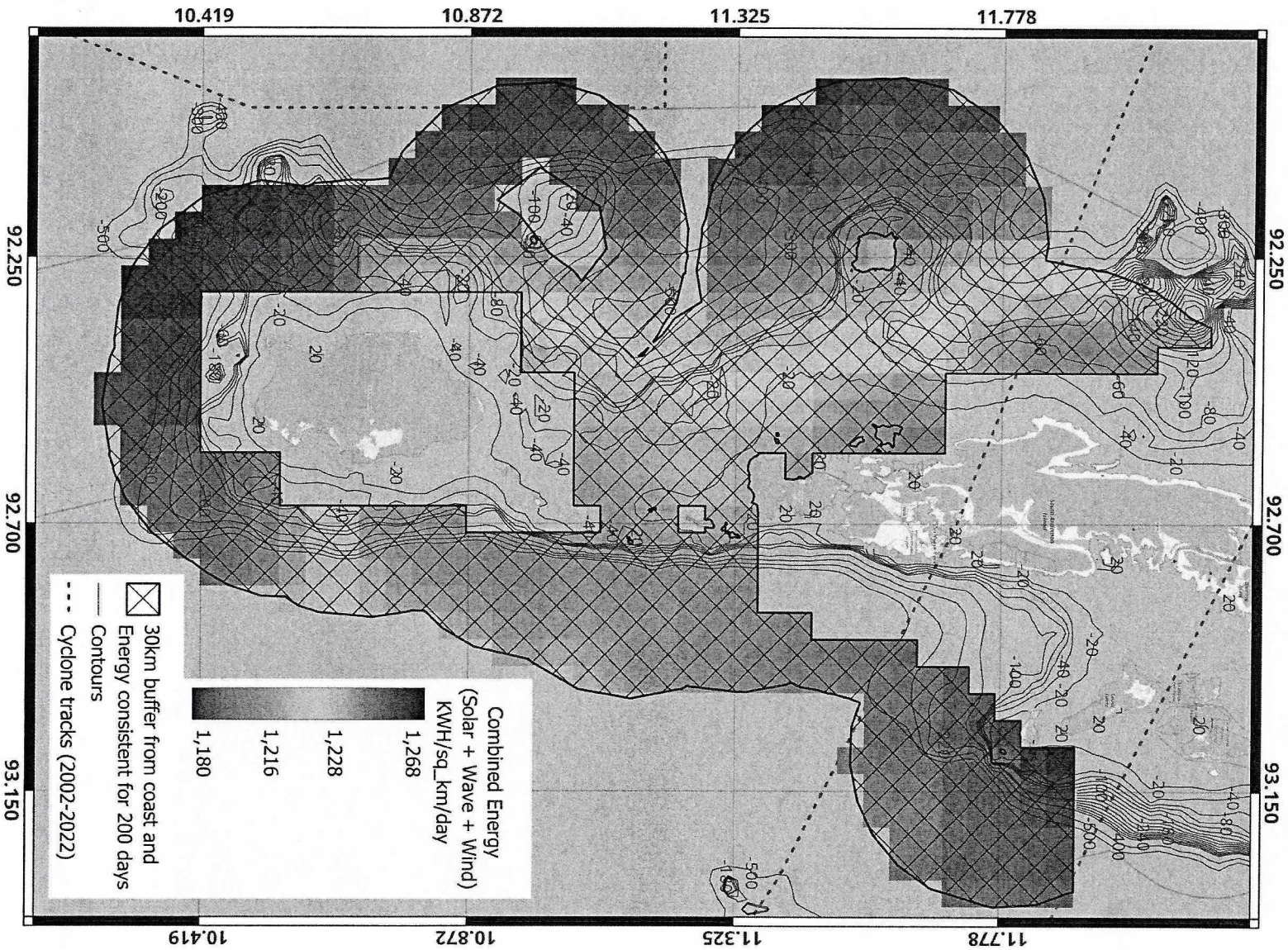
हैदराबाद /Hyderabad  
28.09.2026

  
 (देवेन्द्रकुमार/V. Subrahmanyam)  
 केंद्रअधिकारी/Nodal Officer,  
 भारतीय राष्ट्रीय महासागर सूचना सेवा केंद्र, हैदराबाद ,  
 Indian National Centre for Ocean Information Services, Hyderabad

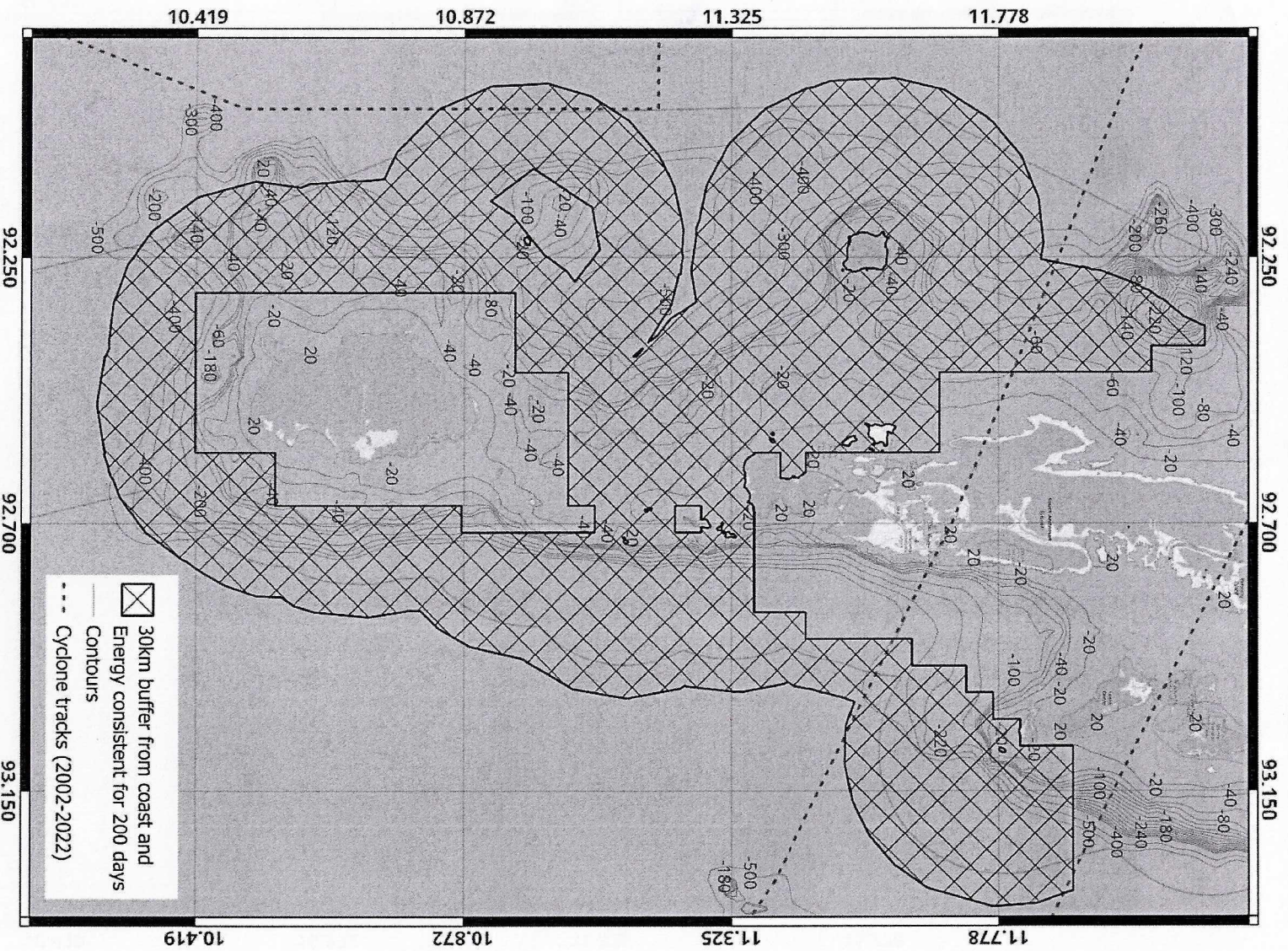
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Hybrid energy area under consideration for the Phase I deployment (indicative)

## Hybrid Energy Hotspot (Solar, Wave and Wind) Map



# Hybrid Energy Hotspot (Solar, Wave and Wind) Map



The hatched area is the area under consideration, being within about 30 km of the coast and showing a consistent wind, wave and solar resource for about 200 days in a year. Depth contours are in metres and the broken lines are cyclone tracks of the period 2002 to 2022. The position shown is indicative and is given for information only. The exact position and the water depth will be fixed after the site survey and stated in the tender.