



आईआरईएल (इंडिया) लिमिटेड
IREL (India) Limited
(Formerly Indian Rare Earths Limited)
(भारत सरकार का उपक्रम)
(A Government of India Undertaking)

CIN : U15100MH1950GOI008187 Website : www.irel.co.in

ISO 9001: 2015, ISO 14001: 2015 & ISO 45001 : 2018 Company



Dated: 24/05/2025

CORRIGENDUM: I

Item/ Job Description	EOI for selection of agency for debottlenecking of TSP & RECL section at REEP, Odisha
CPP E Tender Ref No.	2025 IREL_234137_2 dated: 24/05/2025
Indent No.	OSCOM/REEP/36/33944

Following Changes are hereby made in the tender:

Sl. No	Page no.	Clause	In Place of	To Read as
1	10/34	Clause No. 9.1, Point No.21	Based on the above agency has to prepare the tender document for selection of Implementation agency/other alternate methodology for implementation of suggested schemes for debottlenecking TSP and RECL circuit. Agency will help IREL for floating of tender, technical evaluation, placement of order for selection of Implementation agency /executing agencies.	Deleted

All other terms and conditions of the tender shall remain unchanged. Please visit us at <http://irel.co.in> , www.etenders.gov.in for other details and further Corrigendum(s), if any.

**Sd/-
DGM(Purchase)**

उड़ीसा सैंड्स कॉम्प्लेक्स, माटिखालो (डाक) छत्रपुर (गंजाम), ओडिशा - 761045, भारत
Orissa Sands Complex, Matikhalo (P.O) Chatrapur (Ganjam), Odisha-761045
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पंजीकृत कार्यालय : प्लॉट नं. 1207, वीर सावरकर मार्ग, सिद्धि विनायक मंदिर के पास, प्रभादेवी, मुंबई - 400 028
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CPP TENDER NO: 2025_IREL_234137_1 dated: 02/05/2025 for EOI for selection of agency for debottlenecking of TSP & RECL section at REEP, Odisha

Sl. No.	Page No	Clause No.	Details	Name of Party	Query of Party	Response from IREL
1	3 of 34	1.2 & 1.4	Technical Information of Exsiting Plant	Tata Consulting Engineers Limited (TCE)	IREL Shall be resposible for providing all correct data relating to the exsisting plant to the Consultant/Agency for carrying out the scope of work defined in the tender.	It will be provided to the qualified bidder
2	3 of 34	1.2 & 1.4	Technical Information of Exsiting Plant	Tata Consulting Engineers Limited (TCE)	IREL is requested to share the existing plant Process Flow Diagram with Material Balance for further clarity on the scope.	It will be provided to the qualified bidder
3	6 of 34	6. Objective of IREL	The agency has to provide performance guarantee jointly with the implementation agency for its suggested schemes to achieve the intended objective, basically on the throughput parameters.	Tata Consulting Engineers Limited (TCE)	The sole responsibility for meeting specific performance parameters rests with the OEMs, Technology Providers, or Process Licensors appointed/ engaged by the EPC Contractor. The agency's role involves preparing tender specifications that clearly define performance guarantee parameters for individual units and the overall plant. The selected EPC Contractor will be contractually bound to ensure these parameters are met through the performance guarantees provided by their selected OEMs, Technology Providers, or Process Licensors. However, the agency will provide necessary assistance to the EPC Contractor/ IREL to achieve the stipulated performance guarantee parameters, as per the standard industry practices. Kindly confirm.	The overall performance guarantee will be provided jointly by consultant and EPC contractor
4	6 of 34	6. Objective of IREL	Accordingly applications are invited from experienced and reputed Indian agencies for understanding the scope of work as an consultant. Subsequent to receipt of EOI applications, bidders will be invited for technical presentations for finalizing the scope and other terms of the debottlenecking work. After finalization of scope , technical parameters, detailed RFP will be published for inviting bids(public tender) for engagement of agency	Tata Consulting Engineers Limited (TCE)	We request IREL for floating the RFP limited basis for engagement of agency to EOI stage qualified bidders/vendors only.	It will be a public tender but attention will be drawn to the pre-bid participated parties.
5	21 of 34	12. Time Period: Phase-I (tentative)	Overall Time Period & Cost Confidence for Phase-1 (DPR) and Time line for Phase 2	Tata Consulting Engineers Limited (TCE)	As per Pre-Bid meeting dated 09-05-2025, IREL intends that the tender specifications anticipate a BOQ variation and cost estimation within an accuracy of -/+10%. However during the preparation of a DPR, generally Project Scope definition hovers around 10% to 40%, hence the level of accuracy of cost for DPR is suggested to be in the range of - /+30%. Further to achieve this level of accuracy necessitates the collection of budgetary quotations from relevant vendors. Given this in perspective, we anticipate that the timeline currently proposed for Phase-1 by IREL may be insufficient to adequately address the issue in order to achieve the desired accuracy level. In addition, we propose that the Stage 2 timeline shall be mutually finalised post the completion of the Stage 1 Deliverables. Considering this we request IREL to reconsider the project schedule to allow for the necessary time to obtain accurate vendor quotations and thereby ensure the targeted accuracy in the BOQ and cost estimation.	The variation will be within a range of -/+20%
6	4 of 34	6. Last date and time of submission of Eoi	23-05-2025 14:00 Hrs	Tata Consulting Engineers Limited (TCE)	As this EOI submission requires, mutple essential information which are yet to be received from IREL, for better scope clarity, hence, we would request IREL to extend the date for submission of bids by at least 2 weeks . We would be obliged if you concur to our requirement and grant the extension with an intimation to us.	It will be considered in consultation with Purchase department
7	6 of 34	7- Plant and Process description	REEP has installed capacity to process 10,000 tpa to produce the following products, however because of various constraints explained above the plant capacity could not be achieved: 1. Tri-Sodium Phosphate-13,500 tpa 2. Rare Earths Chlorides-11,220 tpa	ELI Tech Earth Science Pvt Ltd	Please share the schematic Process flow diagram showing the mass balance for better understanding of the Plant during EOI stage.	General REEP block diagram will be provided. Mass balance will be provided to the qualified bidder.

8	7 of 34	Tentative scope of work	<p>The first phase will cover from system study till finalization of schemes, capital outlay, Detailed project report, cost benefit analysis, financial analysis implementation methodology (implementation agency or other models), submission of technical specification and tender packages. Subsequent to approval of capital outlay.</p> <p>In the second phase agency will involve selection of implementation agency, project management and monitoring, demonstration of plant capacity jointly with the implementation agency and contract closure activity. implementation methodology (implementation agency or other models), submission of technical specification and tender packages.</p>	ELI Tech Earth Science Pvt Ltd	<p>Broadly we understand that scope of work is as under: Phase 1 scope : debottlenecking study, preparation of DPR, tender document preparation for selection of implementation agency/ EPC contractor, selection of EPC contractors in consultation with IREL.</p> <p>Phase 2: Work as project management consultant (PMC) to review and approve selected drawings and documents submitted by EPC contractor, site supervision, and plant commissioning activities, and contract closure.</p> <p>Please confirm.</p>	As per scope of work only
9	8 of 34	Tentative scope of work	The Agency shall collect TSP samples and RECI and other intermediate samples for simulation study & selection of different equipment's.	ELI Tech Earth Science Pvt Ltd	Please confirm whether the technological testing shall be under the scope of the agency. And what type of simulation study is expected by IREL?	A) All sample analysis are in Party's scope and it has to be done in NABL accredited lab. B) Party has to make a simulation study by creating virtual model of a real world process and using it to analyze, optimize and predict its performance.
10	8 of 34	Tentative scope of work	The Agency shall undertake designing, detailed engineering, preparation and finalization of technical specifications, bills of quantities (BOQ), identification of functional requirements, design and sizing criteria, functional guarantees, requirement of spares, erection, commissioning and quality requirement, etc., for Project TSP & RECL Circuit de-bottlenecking and systems including all mechanical, electrical, instrumentation and control system, civil works and other related works as required to execute the Project.	ELI Tech Earth Science Pvt Ltd	<p>(1) Please confirm that during project phase, IREL shall provide all 'as -built' engineering drawings (plot plan, layout, sections, SLD) in .dwg format and other documents (PFD, P&ID, eqpt list etc.) in pdf format for review. These input drawings and documents file shall form the base file for further modification for the envisaged debottleneck study.</p> <p>(2) Please note that During DPR or Phase I stage, only front-end engg for DPR stage shall be carried out. Output of front end engg i.e., BoQ and Cost estimates shall have the accuracy level of $\pm 30\%$.</p>	<p>1) IREL will provide PDF drawings of all existing relevant equipments to the qualified bidder.</p> <p>2) The variation will be within a range of - /+20%</p>
11	8 of 34	Tentative scope of work	Overall system study covering feed handling, attack section, steam generation, chemical handling, acid handling, compressed air handling system, process water handling system, equipment layout study, RECI extraction system, deactivation system, TSP drying system, condensate recovery system, slurry handling and filtration system, RE flaker system, acid fume extraction system, spillage control system, ventilation and scrubbing system, product quality management system etc.	ELI Tech Earth Science Pvt Ltd	Please define the product quality management system mentioned here.	It will be covering rated product output meeting product quality specifications mentioned in DPM
12	Section-9.1(11), Pg No. 9 of 34	Tentative scope of work	The Agency shall also undertake the preparation, review and finalization of the water supply and distribution system, steam distribution system, condensation recovery system, optimization of utility utilization and the required equipment, Microprocessor based intelligent addressable type automatic Fire detection and audio-visual alarm system for early warning in case of smoke, heat and/or fire in all fire sensitive locations, compressed air system, other allied activities required for TSP and RECL debottlenecking etc.	ELI Tech Earth Science Pvt Ltd	Please confirm that the existing plant, commissioned in 2015-16, does not have a fire-fighting and fire detection system?	It is available in existing plants.
13	Section-9.1(15), Pg No. 9 of 34	Tentative scope of work	Agency to do the hazop study and prepare safety assessment report	ELI Tech Earth Science Pvt Ltd	Please confirm that Hazop study report to existing plant is available with IREL and shall be shared with selected agency in phase 1.	It is available for existing plants and will be shared to qualified bidder.
14	Section-9.1(18), Pg No. 9 of 34	Tentative scope of work	Soil study and based on seismic load data, agency has to design the civil constructions required for installation of plant and machineries.	ELI Tech Earth Science Pvt Ltd	<p>Please confirm that the soil investigation study, if required, shall be under the scope of agency .</p> <p>Please confirm availability of soil investigation report of existing plant?</p>	Soil analysis will be done in Phase-I to know the maximum load so that the EPC contractor can design accordingly in Phase-II

15	Section- 9.1(19),Pg No.10 of 34	Tentative scope of work	The agency has to provide performance guarantee jointly with the implementation agency/ Executing agency for its suggested schemes to achieve the intended objective i.e. 90% of the installed capacity w rt the TSP and RECI production.	ELI Tech Earth Science Pvt Ltd	(1) Performance guarantee of plant shall be provided in phase 2 by selected EPC bidder/implementation agency, whose task is to supply equipment, do basic and detail engg, construction, erection, and commissioning, based on DPR prepared in phase 1. (2) Agency selected in phase 1 shall continue to work as PMC for phase 2 till plant commissioning.	The overall performance guarantee will be provided jointly by consultant and EPC contractor.
16	Section- 9.1 (5),Pg No.10 of 34	Tentative scope of work	Follow up with the different vendors for getting the materials as per schedule.	ELI Tech Earth Science Pvt Ltd	This job shall be carried out by selected EPC vendor/ implementation agency in phase 2. The update for same shall be provided by EPC vendor/implementation agency to Phase 1 agency when required.	Yes
17	Section- 9.1 (13(s)), PgNo.11 of 34	Tentative scope of work	Follow up with vendors as required to check that scheduling and material take-off have commenced, that engineering work and drawing submission are underway and progress in accordance with the delivery schedule including pre-dispatch inspection whenever required	ELI Tech Earth Science Pvt Ltd	This job shall be carried out by selected EPC vendor/ implementation agency in phase 2. The update for same shall be provided by EPC vendor/implementation agency to Phase 1 agency when required.	Yes
18	Section- 9.1(xvi),Pg No. 16 of 34	Tentative scope of work	Site Management Services	ELI Tech Earth Science Pvt Ltd	Following is proposed- The Phase 1 of the project shall be executed from the agency office location in coordination with IREL team. The site visit shall be done as and when required by the agency. During phase 2 of the project, the agency will assign a team to the site as needed for site supervision services. However, the overall responsibility for site management will rest with the EPC contractor or implementation agency.	The over all responsibility for site management will rest with EPC contractor under the supervision with the consultant .
19	16 & 17 of 34	9.2	The indicative list of items are mentioned as below (subject to change based on detailed system study under phase I):	ELI Tech Earth Science Pvt Ltd	Please confirm that the optimization of existing coal preparation plant and boiler shall be under the scope of agency	It will not be under the scope of agency.
20	18 of 34	9.3	The deliverables to be submitted in two phases as mentioned below:-	ELI Tech Earth Science Pvt Ltd	Please confirm whether the mentioned timeline is inclusive of the time taken by IREL review and approval or not. It is suggested to exclude the same from the project timeline.	It will be discussed & considered in consultation with Purchase department
21	18 of 34	9.4	IREL may ask the Agency to prepare technical reports / studies as required for obtaining statutory clearances as the case may be	ELI Tech Earth Science Pvt Ltd	The Agency shall be responsible for providing only the technical input for the any such required based on the technical studies defined for project during the phase 1 of project. However, no additional studies shall be done for obtaining the statutory clearances.	The agency will be responsible to provide technical inputs defined in the project for obtaining statutory clearances.
22	19 of 34	11.1	List of Similar Works Undertaken in the form enclosed in Section 13.3	ELI Tech Earth Science Pvt Ltd	Please confirm whether setting up of Pilot scale chemical plant could be considered for similar work	Pilot scale plant is not under the scope of work.
23	Section 13(point b),Pg No. 14 of 34		Professional Personnel listed in the bid submitted by the Agency shall be engaged for this Project. No other Professional Personnel shall be engaged without prior approval of IREL	ELI Tech Earth Science Pvt Ltd	Please suggest whether there is any basic criteria required for list of professionals to be included in the project work from agency side	The agency shall ensure the professional personnel listed in the bid submitted by the agency should be qualified, skilled & experienced in their respective functions in conformity with applicable laws & good industry practice.
24	21 of 34	12	Time Period: Phase-I (tentative)	ELI Tech Earth Science Pvt Ltd	Please define T1 mentioned in the table. Also S.No 3 is not mentioned in the Table.	T1 is the date of placement of order to the qualified bidder. It is due to typographical error s/no:3 is not mentioned in the table.
25	Section 13(point vii),Pg No. 14 of 34	Tentative scope of work	The Agency shall be responsible for accuracy of the data collected by it directly or procured from other agencies/authorities, the designs, Drawings, estimates and all other details prepared by it as part of these services	ELI Tech Earth Science Pvt Ltd	Please suggest if any data required by Agency during inception study is not available with IREL then who will be responsible for arranging it i.e., IREL or Agency.	All the available data will be shared by IREL if any other additional data required to complete the report has to be arranged by the agency.
26	General			ELI Tech Earth Science Pvt Ltd	Please confirm whether bidders are required to visit the site during the EOI stage	It is not compulsory but for the better understanding of the plant the agency may visit the site with prior intimation.
27	General			ELI Tech Earth Science Pvt Ltd	Please confirm, What shall be the Payment Term for the Project?	It will be discussed & informed .
28	General			ELI Tech Earth Science Pvt Ltd	Please confirm whether same agency shall execute both Phase 1 and 2 mentioned in the EOI. If Yes, then it is suggested that agency should provide the price quote for phase 2 only after completion of phase 1 based on the estimation of exact volume of work in Phase 2. It will be challenging for agency to provide the rate for phase 2 before the commencement of Phase 1.	It will be as per the scope of work in the bid.
29	Process Flow diagram			M.N. DASTUR & COMPANY (P) LTD	IREL shall furnish the Process Flow diagram of existing plant for us to understand the process and the Quantum of work involved.	General REEP block diagram will be provided.

30	Material Balance			M.N. DASTUR & COMPANY (P) LTD	IREL shall confirm that the existing plant detailed Material balance shall be furnished to the successful bidder for carrying out further work.	It will be provided to the qualified bidder.
31	Simulation			M.N. DASTUR & COMPANY (P) LTD	IREL shall elaborate in detail regarding simulation study required for process design	Party has to make a simulation study by creating virtual model of a real world process and using it to analyze, optimize and predict its performance.
32	Lab test & Sample			M.N. DASTUR & COMPANY (P) LTD	IREL shall indicate typical tests on samples to be carried out for the purpose of estimation and also indicate name of few test labs acceptable to IREL.	All sample analysis are in Party's scope and it has to be done in NABL accredited lab.
33	Deliverables & Time period - , Pg.no.18 of 34 & Pg.no.21 of 34.	Cl.No.9.3 & 12		M.N. DASTUR & COMPANY (P) LTD	The timeline for Submission of draft debottlenecking project report is mentioned as 135 days (ie.4.5 months) after placement of order. Considering the scope of work the duration may not be sufficient. Hence, kindly consider the timeline for submission of draft project report as 180 days (ie.6 months) after placement of order. Similarly, the timeline for submission of technical specification of the tender package shall be 2 months after submission of final debottlenecking project report and acceptance by IREL.	Accepted
34	Deliverables - Pg.no.18 of 34.	Cl.No.9.3		M.N. DASTUR & COMPANY (P) LTD	IREL to Clarify whether the EPC technical specification will be a Single specification (or) Multiple specifications. We suggest IREL engage a single EPC contractor to carry out the above work.	It will be carried out through a single EPC contract.
35	Tender drawings/ Construction drawings			M.N. DASTUR & COMPANY (P) LTD	IREL to confirm that in Ph-1 only the tender drawings will be prepared by the Consultant and enclosed along with the EPC technical specification. All the required Construction drawings will be prepared by the EPC contractor and reviewed by Consultant in Phase-II.	Yes
36	As built drawings			M.N. DASTUR & COMPANY (P) LTD	IREL shall confirm that the Soft copy (AutoCAD) of As-built drawings for applicable facilities will be provided to the successful bidder for carrying out the work.	IREL will provide PDF drawings of all existing relevant equipments to the qualified bidder.
37	Plant capacity - Pg.no.7 of 34	Cl.No.7,		M.N. DASTUR & COMPANY (P) LTD	IREL shall confirm that the equipment's capacity in the Tri-Sodium Phosphate unit are designed to achieve the rated capacity of 13500 tpa.	Present capacity is approximately 55%. The present proposal is for a standalone system to achieve 100% capacity in which 90% will be the performance guarantee.
38	Plant capacity - Pg.no.7 of 34	Cl.No.7,		M.N. DASTUR & COMPANY (P) LTD	IREL shall confirm that the equipment's capacity in the Rare Earths Chloride unit are designed to achieve the rated capacity of 11220 tpa.	Present capacity is approximately 52%. The present proposal is for a standalone system to achieve 100% capacity in which 90% will be the performance guarantee
39	Stability Analysis Report, Pg.no.8 of 34, Pt.No.6			M.N. DASTUR & COMPANY (P) LTD	IREL to note that since the exact load of each additional equipment/facilities will be available from vendor only in phase-II, Stability analysis report shall be carried out in phase II instead of Phase-I. Kindly confirm.	Soil analysis will be done in Phase-I to know the maximum load so that the EPC contractor can design accordingly in Phase-II
40	Phase-I, Scope of work			M.N. DASTUR & COMPANY (P) LTD	Brief scope of work in Phase-I covers preparation of Inception Report, draft/final project report and only preparation of Single EPC technical specification. IREL shall confirm.	As per scope of work.
41	Performance Guarantee, Scope of work	Cl.No.9		M.N. DASTUR & COMPANY (P) LTD	IREL to note that the Overall Performance Guarantee will be provided by the EPC contractor. Individual equipment/system guarantee will be provided by the respective equipment suppliers. Consultant will ensure that the Performance Guarantee is being provided by the EPC contractor. The same will be suitably mentioned in the EPC Technical specification.	The overall performance guarantee will be provided jointly by consultant and EPC contractor.
42	Tentative scope of work	Cl.9.1, Ph-1, pt.no.21, and Ph-2, pt.no.1, page 10 of 34		M.N. DASTUR & COMPANY (P) LTD	Floating of tender, technical evaluation, placement of order for selection of Implementation agency /executing agencies is mentioned in Phase-I (point no.21) and Phase-II (point no.1). Understand that the above scope will be in Phase-II only. IREL shall confirm.	Point no.21 in Phase-I will be removed and corrigendum is issued accordingly.
43	Plant General Layout & GA drawing.			M.N. DASTUR & COMPANY (P) LTD	IREL shall furnish the Plant general layout and GA drawing indicating the buildings and units in REEP for our understanding.	General Plant Layout will be provided
44	Bid Data sheet - Pg.no.4 of 34	Cl.No.2		M.N. DASTUR & COMPANY (P) LTD	Requesting IREL to extend the Last date of submission of EOI documents as Two (2) weeks from receipt of reply from IREL for the clarifications from bidders.	Date extension corrigendum is published