

REQUEST FOR EXPRESSION OF INTEREST (EOI) FOR THE TRANSFER OF TECHNOLOGY FOR PRODUCTION OF BATTERY GRADE (ZINC CARBON AND ALKALINE) ELECTROLYTIC MANGANESE DIOXIDE (EMD) / ELECTROLYTIC MANGANESE METAL (EMM) WITH A PURITY OF \geq 99.7%/ HIGH PURITY MANGANESE SULPHATE MONOHYDRATE (HPMSM) AND/ OR DESIGN, CONSTRUCTION AND/ OR COMMISSIONING OF A NEW COMMERCIAL PLANT.

1. INTRODUCTION:

MOIL Ltd. (MOIL), a Schedule-A, Mini Ratna Category-I Govt. undertaking, under the administrative control of the Ministry of Steel, Government of India is having its corporate office at Nagpur, Maharashtra state, India. MOIL is engaged primarily in mining manganese ore and is the largest producer of Manganese Ore in India, presently producing around 1.76 million tons of Manganese ore from its 10 mines situated in the state of Maharashtra and Madhya Pradesh. Balaghat mine situated in Madhya Pradesh is the largest and the deepest underground manganese ore mine in Asia having large deposit of high quality of manganese ore. MOIL with its expansion plan is anticipating increasing the production of Manganese ore to 2.50 Million MT by 2025-26 and 3.50 Million MT by 2030.

Apart from mining manganese ore, **MOIL is also processing Manganese ore at one of its mine locations, to produce Electrolytic Manganese Dioxide (EMD), which is mainly used in dry cell batteries (D – type), and High Carbon Ferro Manganese for alloying in steel industry.** MOIL has also forayed into generation of Electricity by installation of wind mills and solar power plants in Madhya Pradesh and Maharashtra having

installed capacity of around 30.50 MW & meets more than 50% of its energy requirement through Renewable energy. MOIL has made valuable contribution in the mineral sector during the last few decades. Performance of the Company has been excellent in financial as well as other spheres of activities.

MOIL is a listed company with shareholding of Govt. of India, Govt. of Madhya Pradesh, Govt. of Maharashtra (64.68%), Foreign Institutional Investors (FII)- (3.48%), Domestic Institutional Investors (DII)- (10%) and Public (21.84%). Shares of the company are listed on BSE and NSE. Details of various activities of MOIL and its financial performance are available on its website at www.moil.nic.in.

2. OBJECTIVE:

As part of its diversification program, MOIL intends to establish a plant for an Electrolytic Manganese Dioxide (EMD) for battery-grade (Zinc Carbon & Alkaline) production/ Electrolytic Manganese Metal (EMM) with a purity of $\geq 99.7\%$ / High Purity Manganese Sulphate Monohydrate (HPMSM). To achieve this, MOIL is seeking a suitable partner for technology sharing or transfer for the commercial production of battery-grade (Zinc Carbon & Alkaline) EMD, EMM and HPMSM, and/or the setup of EMD/ EMM/ HPMSM plant.

3. CALL FOR EXPRESSION OF INTEREST (EOI):

MOIL invites expression of interest (Eoi) from competent Electrolytic Manganese Dioxide (EMD) for battery-grade (Zinc Carbon & Alkaline) production/ Electrolytic Manganese Metal (EMM) with a purity of $\geq 99.7\%$ / High Purity Manganese Sulphate Monohydrate (HPMSM) producing /consulting firms to share the latest technology and / or both sharing technology with the design, construction and commissioning of

facility as outlined above. The scope will include, but not limited to:

- a. Transfer of Technology.
- b. Concept development with latest technology, preliminary design and approvals.
- c. Construction of the facility as per design.
- d. Commissioning.
- e. Provision of maintenance literature/ manual and training to the MOIL's representatives.
- f. Any other related works to facilitate successful completion and running of the project.

In addition to the information requested in the questionnaire in Part 1 of this document, interested firms must provide an uploaded copy of their company profile with a work catalogue demonstrating their experience in similar assignment.

The shortlisted firms may be asked to prepare detailed project reports etc. on agreement.

4. EOI ISSUING AUTHORITY:

The Expression of Interest (Eoi) is issued by MOIL Limited, a CPSE, under Ministry of Steel, Govt. of India to finalise the technology requirement for setting up of Electrolytic Manganese Dioxide (EMD) for battery-grade (Zinc Carbon & Alkaline) production/ Electrolytic Manganese Metal (EMM) with a purity of $\geq 99.7\%$ / High Purity Manganese Sulphate Monohydrate (HPMSM) plant and short list potential bidders.

Sl. No.	Item	Description
1.	Job Title	To establish a plant for an Electrolytic Manganese Dioxide (EMD) for battery-grade (Zinc Carbon & Alkaline) production/ Electrolytic Manganese Metal (EMM) with a purity of $\geq 99.7\%$ / High Purity Manganese Sulphate Monohydrate (HPMSM) and/or a suitable partner for technology sharing or transfer for the commercial production of battery-grade EMD, EMM and HPMSM.
2.	Contact Person	<p>1. Mr. D. V. V. Giri Jt. G.M. (Process), MOIL Limited Mobile No: +91 8966006646 E-mail address: dvvg@moil.nic.in</p> <p>2. Mr. N. Ansari A G.M. (Marketing), MOIL Limited Mobile No: +91 9665000265 E-mail address: noor@moil.nic.in</p>
3.	Web Site	http://www.moil.nic.in

5. TENTATIVE CALENDAR OF EVENTS

Sl. No.	Mile Stones	Date & Time
1.	Release of Expression of Interest (Eoi)	05.11.2024
2.	Pre-bid meeting	20.11.2024
3.	Response to Queries	26.11.2024
4.	Last date for submission of Eoi response	03.12.2024
5.	Opening of EOI response	04.12.2024

6. IMPORTANT NOTES TO THE BIDDER/SUPPLIER

- a. All documents must be submitted in English language.
- b. Provide supporting documents requested for in the format as per clause no. 7.
- c. MOIL reserves the right to ask clarification or more details or more documents.
- d. Any information given and later found to be incorrect shall lead to disqualification of the applicant.
- e. Any application(s) received after the date of closure will be considered as late and disqualified.
- f. Please read through this document carefully and provide the requested information together with all required support

documents.

- g. MOIL reserves the right to accept or reject applications made pursuant to this request at its own discretion without assigning any reason thereof.
- h. The jobs to be undertaken in terms of this EoI subject to extent Government guidelines, rules and regulation as per the law of land, more specifically in respect of neighbouring countries.
- i. Other Terms and conditions:
 - i) At any time during the examination, evaluation and comparison of EoI, MOIL at its discretion can ask the Bidder for the clarification of its EoI. The request for clarification and the response shall be in writing.
 - ii) No Contractual Obligation: MOIL is not bound contractually or in any other way to any applicant to this EoI. MOIL is not liable for any cost of compensation in relation to consideration of this EoI whether or not MOIL terminates, varies, or suspends the EoI process or takes any other action permitted under this EoI, including consideration of concepts proposed in future development.
 - iii) The invitation for this EoI is not an offer and is issued with no commitment. The EoI request is not a process contract or contractual obligation between MOIL and proponents or potential proponents. The issue of this document does not commit or otherwise obliges MOIL to proceed with all or any part of EoI process in any

manner whatsoever.

- iv) MOIL reserves the full right at its absolute discretion to withdraw or abandon the EoI or vary any part thereof at any stage without giving prior notice to the proponents or potential proponents. MOIL further reserves the right to disqualify any applicant, should it be necessary at any stage.
- v) No Agent/Agents or third party/parties are engaged by MOIL in this process. Hence, it is advised to deal directly with MOIL representative, who is signatory to this document.
- vi) MOIL is not responsible for any firm/agency expression or representing to express himself/herself/themselves to be the agent or third party representing MOIL in this process.
- vii) The technology used for offered solution should be inclusive of all protective measures and safe for associated persons engaged for its operation and maintenance in a sustainable way.
- viii) The Bidder/OEM shall indemnify and keep indemnified MOIL against all third-party claims of infringement of patent, trademark or industrial design rights arising from use of the goods or any part thereof in MOIL's site.

7. INFORMATION FORMAT

PART 1 – GENERAL INFORMATION

S.N.	Question	Details to be filled up
1	Name of Organisation	
2	Postal address	
3	Principal Contact Person	Name : Position :
4	Contact details	Mobile No: E-mail :
5	Nature of organisation(e.g. Proprietorship, Partnership, Private/Public Limited Company etc.)	
6	Name(s) of the Proprietor, Directors or Partners	
7	Business Operation	Year of establishment... Duration of business operation..... Nature of business operation.....
8	Registration with regulatory bodies	Registration No..... Registration Body..... Category of registration.... Country.....
9	Registration with Indian	

	Authority	
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8. PART 2 – EXPERIENCE

Sl. No.	Question	Details to be filled up
1.	How many years has your firm been engaged in EMD/EMM/HPMSM production/consultancy business?	
2.	Describe nature of work performed by your firm with quantity and value per annum.	
3.	Whether works as specified in Clause 3 above has been completed by your firm. If so, please provide details.	

9. PART 3 – CERTIFICATION

I/We do hereby certify that the above information is correct in all respect and undersigned is authorised to furnish this certificate and bind the organisation.

Full Name :

Designation/Position :

Signature :

Date :

Company/Entity Stamp