

क्रमांक संख्या : एम.सी.एल /मुख्यालय/ नवोन्मेष विभाग /2025-26/1217

दिनांक : 02/12/25

Expression of Interest (EOI)

Mahanadi Coalfields Limited (MCL), a subsidiary of Coal India Limited (CIL) intends to float Expression of Interest (EOI) for the following work through the e-procurement portal of CIL (<https://coalindiatenders.nic.in>); whose details are as under:

DESCRIPTION OF WORK	LOCATION OF WORK EXECUTION
Battery Energy Storage System (BESS) of up to 60MWh capacity	Within Odisha

The brief details are available on the e-Procurement portal of CIL (<https://coalindiatenders.nic.in>) with effect from **03/12/25 (06:55 PM)**. The timeline shall be as follows:

Sl.	Particulars	Date	Time
1	EOI publication date	03/12/25	06:55 PM
2	Document download start date	04/12/25	10:00 AM
3	Document download end date	26/12/25	05:00 PM
4	Bid submission start date	11/12/25	10:00 AM
5	Bid submission end date	26/12/25	05:00 PM
6	Start date for seeking clarification online	04/12/25	10:00 AM
7	Last date for seeking clarification online	08/12/25	05:00 PM
8	EoI-Meeting	10/12/25	11:00 AM
9	Bid* Opening date	27/12/25	11:30 AM

*Bid shall mean ideas/white papers/technical proposals/suggestions/budgetary estimates/credentials of past work experiences, etc.

The information shall also be available on the Central Public Procurement Portal (<https://eprocure.gov.in>).

MCL intends to invite suggestions/proposals from the prospective bidders on the subject work.

The dates indicated for different activities like document download, bid submission start/end date, and bid opening dates are to fulfil the tender portal requirements and not for final bidding for NIT subsequently. However, prospective bidders can upload the documents/information sought online with their DSC on the e-Procurement portal of CIL (<https://coalindiatenders.nic.in>) after getting themselves registered/enrolled on the portal from **04/12/25 (10:00 AM) to 26/12/25 (5:00 PM)**.

In order to submit the bid, the bidders have to get themselves registered online on the e-procurement portal of CIL (<https://coalindiatenders.nic.in>) with a valid Digital Signature Certificate (DSC) issued from any agency authorised by the Controller of Certifying Authority (CCA), Govt. of India and which can be traced up to the chain of trust to the Root Certificate of CCA. The online registration should be in the name of the bidder, whereas, the DSC holder may be either bidder himself or his duly authorized person.

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1. Introduction:

- Mahanadi Coalfields Limited (MCL) has a peak contract demand of 86 MVA and is actively exploring the possibility of integrating BESS with the existing & upcoming Solar Power plants to fulfil its net-zero ambition.

2. EoI Meeting:

- An EoI meeting to discuss the MCL requirements will be held online on **10/12/25 at 11:00 AM**. Hence, prospective bidders are requested to seek clarifications (if any) as per the timeline so that these can also be addressed during the EoI meeting.
- The link for the online meeting will be uploaded in the e-procurement portal before the EoI meeting. For any assistance, the contact persons given in this notice may be contacted. Interested bidders are requested to participate through their authorised representatives on the scheduled date & time, either in person or through the web link provided. The weblink will be live at **11:00 AM on 10/12/25**.

3. The objective of this EoI:

- To understand existing industrial-scale BESS technologies.
- To identify the prospective technology providers/EPC contractors/Battery manufacturers having experience in setting up BESS and gather their credentials.
- To obtain technical and financial proposals for setting up BESS from the prospective technology providers/EPC contractors/Battery manufacturers.

4. Proposed Scope of Work:

- The prospective technology providers/EPC contractors/Battery manufacturers shall submit a technical & financial proposal that includes the BESS technology, working principle, specifications, applicability, advantages & disadvantages, CAPEX, land requirements, & time for commissioning, etc. as per Annexure-3.

5. Response to EoI:

- The prospective bidders should submit their responses to the EoI through the e-Procurement portal of CIL (<https://coalindiatenders.nic.in>) only within the specified timeline.
- Responses received through email or physical copy or through any other means will not be considered.
- The bidder must ensure that all the documents submitted for this EoI are attested with the company seal/stamp and signature of the authorized signatory.
- It is to be noted that non-compliance with any of the clauses mentioned in the EoI or partial submission of the information/documents, will be summarily rejected without entertaining any clarification from the prospective bidder and such bids will also not be considered for further internal evaluation.

6. Documents to be submitted by the prospective bidders:

- Interested technology providers/EPC contractors/Battery manufacturers having relevant experiences/proven credentials in setting up BESS are invited to participate in this EoI and are requested to submit the required confirmatory documents against the defined eligibility criteria as mentioned below:



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Sl. No	Eligibility Criteria	Scanned copy of documents, to be uploaded by the bidder in support of information/ declaration furnished online by the Bidder against Eligibility Criteria as Confirmatory Document
1	Permanent Account Number The bidder should possess a Permanent Account Number (PAN) issued by Income Tax Department, Govt.of India.	Scanned copy of the PAN CARD.
2	Goods and Service Tax (Not Applicable for Exempted Goods / Services) The bidder should be either a. GST Registered Bidder under Regular Scheme (or) b. GST Registered Bidder under Composition Scheme (or) c. GST unregistered bidder	Scanned copy of the a. GST Registration Certificate (i.e. GST Identification Number) issued by the appropriate authority of India (or) b. GST Registration Certificate under composition scheme (i.e. GST Identification Number) issued by the appropriate authority of India. (or) c. A Certificate from a practicing Chartered Accountant having membership number with Institute of Chartered Accountants of India certifying that the bidder is GST unregistered bidder/ dealer in compliance with the relevant GST rules of India Note: If the turnover of bidder exceeds exemption/threshold limit, the bidder must have GST registration as per GST Act and rules
3	Bidder Details	The bidder shall submit the details as per Annexure-1 on the bidder's Letter Head.

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4	Undertaking	An undertaking on the bidder's Letter Head regarding the genuineness of the information furnished by him online and authenticity of the scanned copy of documents uploaded by him online in support of his eligibility, as per the format given in Annexure - 2 .
5	Technical & Financial Proposal	The bidder shall submit the technical & financial proposal that includes the BESS technology, specifications, working principle, applicability, advantages & disadvantages, layout and shall mandatorily contain the details as per the format provided in Annexure-3 on the bidder's letterhead.
6	Prior work experience in BESS	The bidder shall submit the prior experiences as per the format provided in Annexure-4 on the bidder's letterhead.

7. **Terms and Conditions:**

- The EoI participants should accept all the terms and conditions in the EoI document.
- All the information/data and the enclosures of this EoI, and subsequent data provided by MCL regarding this EoI shall be treated as confidential. By accepting this material, the recipient/bidder agrees that the information will be held in confidence and will not be reproduced, disclosed or used in whole or in part without prior permission of Mahanadi Coalfields Limited (MCL).
- During evaluation and finalisation of the EoI, MCL may at its discretion, ask the participating bidder for any clarification on the response submitted in the EoI. The request for clarification and the response shall be through e-mail. The expenses for this purpose, as well as for the preparation of documents and/or meetings, shall be borne by the participating bidders.
- Any assumptions made by the bidder in response to this request for EoI will be at their own risk and cost. MCL will not be liable for any such assumptions/representations made by the bidder.
- This EoI does not constitute a commitment to offer a contract or prospective contract.
- MCL shall not be liable for any cost incurred by any prospective or participating bidder in the preparation and submission of information in response to this EoI.
- The information submitted in the response to the EoI may be subjected to public release (as per RTI norms). Bidders responding to this notice assume the risk of public disclosure if confidential information is included.
- MCL shall have the right to use the documents/information/proposals submitted by the bidders and/or shall have the right to share the same with any third-party consulting agency that shall prepare a pre-feasibility/detailed project report for setting up BESS.
- MCL shall seek any additional information/suggestions, etc. if required at a later stage through email from the participating bidders in the EoI.
- Submission of the EoI response is deemed as the bidder has understood the scope of work and requirements of MCL.



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- k. This work is also subject to techno-commercial feasibility, which MCL may undertake on its own, based on which; MCL may choose to reject the EoI or invite fresh EoI accordingly.
- l. Notwithstanding anything contained in any of the clauses in this EoI, MCL reserves its right to accept or reject any EoI, and to annul each or all the EoI processes and reject all the EoI at any time.

SJha

02/12/2025

Dr. Shambhu Jha
GM(Min)/HOD, Innovation Cell, MCL

Contact Person:

N. Sukesh, Manager (Min), Innovation Cell, Mob: 8338080173

DISTRIBUTION:

1. TS to CMD/ TS to D(T/OP)/ TS to D(T/P&P)/ TS to D(P)/ TS to D(F), MCL
2. Notice Board



Bidder Details (Annexure-1)
(To be submitted on the bidder's Letter Head)

Sl. No	Description	Details
1	Name of the bidder	
2	Corporate/Registered Office Address & Other Office Location (Mention State Name)	
3	Nature of Business	
4	Phone No. / Fax No	
5	Communication Email Id	
6	Web Site Address	
7	Details of Company's Registration Proprietorship Firm/Partnership Firm/Private Limited /Limited/others as per Company Act	
8	Year of Registration	
9	GST Registration No.	
10	Permanent Account Number (PAN)	
11	Corporate Identity Number (CIN)	
12	Name of Authorized Person for this EoI	
13	Mobile number of Authorized Person	
14	Email id of Authorized Person	
15	Last 3 Years Average Annual Turnover up to 31 st March 2025	

(Annexure-2) (To be submitted on the bidder's Letter Head)

UNDERTAKING TO BE ACCEPTED UNCONDITIONALLY BY BIDDER/S FOR GENUINENESS OF THE INFORMATION FURNISHED ONLINE AND AUTHENTICITY OF THE DOCUMENTS UPLOADED ONLINE IN SUPPORT OF HIS ELIGIBILITY

UNDERTAKING

I/We solemnly declare that:

1. I/We am/are submitting bid for the work
“.....”
.....” against Tender Id No./EoI No.
..... **dated** and I/we offer to execute the work in accordance with all the terms, conditions and provisions of the bid.
2. All information furnished by us in respect of fulfilment of eligibility criteria and qualification information of this Bid is complete, correct and true.
3. All copy of documents, credentials and documents submitted along with this Bid are genuine, authentic, true and valid.
4. I/ We hereby authorize department to seek references / clarifications from our Bankers.
5. We hereby undertake that we shall register and obtain license from the competent authority under the contract labour (Regulation & Abolition Act) as relevant, if applicable.
6. I/We have not been debarred by any procuring entity for violation of Preference to Make in India (as applicable) vide Order No. P-45021/2/2017-PP (BE-II) dated 16.09.2020, issued by Govt. of India as amended from time to time.
7. I/We do not have relationship with any other participating bidders, directly or through common third parties, that puts us in a position to have access to information about or influence on the bid of another Bidder.
8. I/We or any of my/our affiliate has/have not participated as a consultant in the preparation of the design or technical specification of the contract that is the subject of the bid.
9. If any information and document submitted is found to be false/ incorrect at any time, department may cancel my/our Bid and action as deemed fit may be taken against me/us, including termination of the contract, forfeiture of all dues and banning of our firm and all partners of the firm etc. as per the tender document.

Technical & Financial Proposal (Annexure-3)
(To be submitted on the bidder's Letter Head)

S. No.	Variables	(Design Operating Range) Values
1	BESS Technology (e.g., Li-ion, Flow Battery)	
2	Energy density (Wh/litre)	
3	Energy density (Wh/kg)	
4	Maximum Storage Duration applicable (hrs)	
5	Depth of Discharge (DOD) (%)	
6	Cycle Life (Nos)	
7	Life (Yrs)	
8	Operating temperature range (⁰ C)	
9	Round Trip Efficiency (RTE) (%)	
10	Auxiliary Power Consumption (%)	
11	Time for Commissioning (months)	
12	Salvage Value (%)	
13	System Voltage Level (AC/DC)	
14	Nominal DC Voltage	
15	Expected Degradation Profile (%/year)	
16	Battery Management System (BMS) Make & Configuration	
17	Power Conversion System (PCS) Make & Efficiency (%)	
18	Energy Management System (EMS) Capabilities	
19	Thermal Management System (Type & Capacity)	
20	Safety Standards Compliance (e.g., Fire/Seismic)	
21	Grid Interface Point and Voltage Level (kV)	
22	Evacuation Voltage Level	
23	Type of Cooling System (for BESS)	
24	O&M expenses (Rs./MWh/Annum)	

Additional Information Required for Internal Evaluation

Sl. No.	Description	Assuming 5MW/20MWh	Assuming 10MW/40MWh	Assuming 12MW/48MWh	Assuming 15MW/60MWh
1	Land requirement (sq.mtr), including access area				
2	CAPEX (Rs./MWh)				
3	Annual Availability (%)				
4	Round Trip Efficiency (%) including Auxiliary Consumption				
5	Levelized cost of storage (Rs./kwh)				
6	Levelized cost of delivered energy (Rs./kwh)				
7	Discharge Power (MW)				
8	Charge Power (MW)				
9	Charge/Discharge (Hrs)				
10	Charging Mode CC (A)/CV (V)				

Work Experience in BESS (Annexure-4)
(To be submitted on the bidder's Letter Head)

[illegible]