



Rajasthan State Mines & Minerals Ltd.

(A Government of Rajasthan Enterprise)

Central Marketing Department, Corporate Office

4, Meera Marg, Udaipur – 313 004, Rajasthan, India

Phone : 0294-2428743,2428763-67, Fax : 0294 2428768 / 2428739

E-mail: info.rsmml@rajasthan.gov.in, mktgco.rsmml@rajasthan.gov.in

Website: <http://www.rsmm.com>

CIN No-U14109RJ1949SGC00505

Ref: EOI No. RSMM/CO/MKT/2020-21/357

Dated: 09/02/2021

Notice Inviting Expression of Interest (EOI) from Prospective bidders for “Production of Beneficiated Rock Phosphate (BRP) after Designing, Erection, Testing and Commissioning of 5.00 Lakh metric tonne per annum of input capacity Industrial Beneficiation Plant on Design, Build, Own, Operate & Maintain (DBOO) basis” at Jhamarkotra mines of RSMML, District Udaipur, Rajasthan.

Issued by: -

Head (Centralized Marketing),

M/s Rajasthan State Mines & Minerals Ltd.,

4-Meera Marg,

Udaipur-313001,

(Rajasthan)

Detailed Notice Inviting Expression of Interest (DEOI)

1. **Preamble & Background:**

Rajasthan State Mines and Minerals Limited (RSMML), a Government of Rajasthan Enterprise (here and after referred as Company), occupies a place of pride in production and marketing of non-metallic industrial minerals like Rock Phosphate, Lignite, Limestone and Gypsum. Besides minerals, RSMML has also forayed into Energy Sector and has setup 110 MW installed capacity Wind Power Project at Jaisalmer and a 5 MW Solar Power Project in Bikaner district of Rajasthan.

The Secondary Rock Phosphate (Grade variation from 5.00% P₂O₅ to 15.00% P₂O₅) is being generated during mining of High-Grade Ore (> 30% P₂O₅) at Jhamarkotra Rock Phosphate mine in Udaipur district, Rajasthan. This Secondary Rock Phosphate ore is being stacked separately. The Secondary Rock Phosphate is a sub grade mineral recovered from the overburden domain adjacent to primary ore body and occurs in the form of thin apatite crust incrustation along the cracks & fractures in the adjacent overburden hanging wall rocks. The overburden rocks are mainly altered dolomite due to high degree of metamorphism as evident by the presence of silicate minerals. Based on the degree of crystallization of apatite crusts & the density of apatite veins, the grade of secondary phosphate varies from place to place.

2. **Objective of this Expression of Interest: -**

The company has envisaged installing industrial plant for beneficiation and up-gradation of 5.00 Lakh MT per annum of secondary ore (input capacity). Accordingly, RSMML invites Expression of Interest (EOI) from prospective bidders for "Production of Beneficiated Rock Phosphate (BRP) after Designing, Erection, Testing and Commissioning of industrial beneficiation plant having 5.00 Lakh MT/annum (1650 TPD) input capacity for uninterrupted and regular processing of secondary ore on Design, Build, Own & Operate (DBOO) basis" at Jhamarkotra mines of RSMML, District Udaipur, Rajasthan. The indicative and tentative process description based on lab scale studies for secondary ore beneficiation conducted by Indian Bureau of Mines, Nagpur is enclosed in Annexure-A.

3. **Location: -**

Jhamarkotra Mines is Located at a distance of 26.00 Kms. from Udaipur near Jhamarkotra Village and is well connected by all-weather tar road.

4. **Keenness Money**

The keenness money for participation in the DEOI is Rs 5,00,000/- (Rupees Five Lakhs Only) in the form of Demand Draft drawn in favour of RSMML payable at Udaipur.

5. **Bank Detail for Online Transfer:** The bank details of M/s Rajasthan State Mines & Minerals Limited, Udaipur for online transfer of keeness money amount are:
BANK: IDBI BANK LTD, Mumal Tower, Saheli Marg; BRANCH CODE: 000050; MICR CODE: 313259002; IFS CODE: IBKL0000050; A/C NO.: 050102000002202.

6. **Prequalification Criterion /Eligibility Criteria**

- a. Bidder should have a certified minimum turnover of Rs. 100.00 Crores (Rs. One hundred crores) in any of the last three Financial Years i.e. 2017-18, 2018-19 & 2019-20. The supporting documents in the form of CA Certified /audited balance sheet shall be submitted by the bidders for establishing their eligibility.
- b. Bidder should have minimum experience of five (5) years in operation and maintenance of process plants of beneficiated rock phosphate/ Single Super phosphate (SSP) fertiliser/ Di-ammonium phosphate (DAP) fertiliser and/or Phosphoric acid etc.

Note: The Interested parties are advised to check their eligibility as per the clause 6. The Keeness money of non-eligible bidders will be refunded without interest and RFP document shall be issued to eligible bidders for submission of detailed offer with price bid.

7. **Guidelines and Terms of Reference (TOR) for prospective bidders of EOI: -**

- i. The secondary ore @ 5.00 lakh tonnes per annum (Grade variation from 5.00% P₂O₅ to 15.00% P₂O₅) shall be made available by the company to the DBOO contractor.
- ii. The contractor shall be responsible for Design, Build, Own, Operate & Maintain an Industrial Beneficiation Plant having input capacity of 5.00 Lakh metric tonne per annum of secondary ore for its processing and beneficiation to produce beneficiation concentrate.
- iii. The plant shall be installed and commissioned at RSMML premises. The beneficiated rock phosphate so produced in proposed beneficiation process shall have a grade of more than 30.50 % P₂O₅ and average weight yield of 35.00%.
- iv. The rights of captive consumption of beneficiated concentrate would be given to the bidder for producing and selling all other end use product/s like SSP/ DAP and/or Phosphoric acid etc..
- v. The tailings generated during the process will be sent to earmarked tailing dam of RSMML. RSMML only shall have the rights to make use of the tailings so produced and dumped. The capital as well as operational cost of tailing dam and tailing disposal shall be chargeable from the contractor on actual and

annual quantity basis. However, no legal obligation or guarantee will be given to the contractor for making available the land for tailing disposal.

- vi. The DBOO contractor shall be selected on the basis of highest facilitation fee quoted in bidding process and accepted by the company. The facilitation fee shall be escalated annually by 3% in each year of the contract.
- vii. Basic infrastructure facilities like land, water and power shall be made available at Jhamarkotra mines site by the company to the selected DBOO contractor. However, Water and Electricity shall be provided on chargeable basis.
- viii. The proposal may also contain value addition of BRP so produced by manufacturing other end use products by installing facility for production in the premises of BRP plant allocated by RSMML or at any other location owned by the bidder.
- ix. The secondary ore provided by RSMML shall only be used by the bidder for consumption in beneficiation plant and the bidder shall have the rights to only sale the value added products like Single Super phosphate (SSP) fertiliser/ Di-ammonium phosphate (DAP) fertiliser and/or Phosphoric acid etc.
- x. RSMML shall intimate and issue RFP document having detailed contractual terms to eligible bidders of EOI for financial bidding
- xi. The prospective bidders shall submit a write up/report on technology offered for design and commissioning of Secondary ore beneficiation plant, BRP & Tailing utilisation options.
- xii. The work of detailed Design, Erection, Testing and Commissioning of plant in all respects shall be completed within 18 months from the date of handing over of the site / land by the company.
- xiii. The successful bidder shall have discretion and responsibility to select, design, engineering, supply, erection, commissioning, testing, operation and maintenance of civil foundation, structures, electrical and instrumentation circuits and equipment, processing equipment and reagents required plant at its own risk and cost.
- xiv. The successful bidder shall be responsible for complete design, commissioning, operation & maintenance of beneficiation plant for achieving guaranteed

production of beneficiated rock during the currency of contract agreement period.

- xv. All the required statutory permissions (pre and post installation for commissioning and operation of the beneficiation plant) shall be obtained by the successful bidder.
- xvi. The successful bidder will deploy man with machine on their own cost to carry out excavation, loading, transportation, feeding and beneficiation of secondary ore in beneficiation plant. The entire work will be carried out under supervision and control of Engineer Incharge designated by the company.
- xvii. Successful bidder shall abide all the statutes and norms applicable to mines. The decision and directives issued, from time to time, by Head & In-charge/Agent/Mines Manager for the mines in this regard shall be binding on the bidder.
- xviii. The prospective bidders are advised to visit Jhamarkotra mines before participation in EOI and assure themselves about technical and other details including working conditions and its statutory status.
- xix. After completion of prescribed period of contract agreement, the complete plant shall be dismantled and the land provided by RSMML in the contract shall be vacated by the bidder without raising any claim and dispute.

8. General Conditions

- a. This EOI is not a commercial offer and is issued with no commitment. The company reserves the right to cancel &/or withdraw this EOI if it determines that such action is in the best interest of the organization. Timing and sequence of events resulting from this EOI shall ultimately be determined by RSMML.
- b. The Guidelines and Term of Reference (TOR) given above are for enabling the participant to submit their offer for EOI. This TOR in no case is to be presumed as final for Request for Proposal (RFP).
- c. Neither the participant nor any of the participant's representatives shall have any claims whatsoever against RSMML or any of their respective officials arising out of this EOI and procedures.
- d. By submitting a proposal, each participant shall be deemed to acknowledge that he has carefully read all sections of this EOI, including all forms, schedules and annexure and has fully informed itself as to all existing conditions and limitations.

9. Time period of Agreement: -

The Time period of agreement shall be 20 years from the date of issuance of detailed letter of acceptance by the company and the same may be extended on mutual terms for further period of 10 years.

10. Pre bid Meeting: -

RSMML proposes to hold a pre-bid meeting to clarify doubts and furnish replies to the questions/queries raised by the bidders on this DEOI. The meeting will be held at Corporate office, Udaipur on 24/02/2021 at 11:00 AM. Bidders are also advised to send their queries in advance and addressed to Head (Centralized Marketing), Corporate Office, 4- Meera Marg, Udaipur-313001 so as to reach at least seven (7) days before the scheduled date of the pre bid meeting. Bidders are advised to participate in the pre bid meeting in their own interest, though it is not mandatory to do so. However, the Bidders are requested to confirm their participation.

11. Last date for submission of offer: -

Each applicant shall submit only one offer. The offer against EOI should be submitted in three parts in the clearly labelled sealed envelope super scribed "**Offer against EOI No. RSMML/CO/MKT/2020-21/357 Dated: 09/02/2021 for Production of beneficiated Phosphate by installing 5.00 Lakh MT/annum capacity industrial beneficiation plant for secondary ore**" and addressed to RSMML at the address specified in this document:

Part I- Covering Letter: Covering Letter from the Bidder as per the format provided in Form-I

Part II – Details of the Organization:

- i. This part must include a general background of the respondent organization (limited to 400 words), a Concept Report on technology offered on design and commissioning of Secondary ore beneficiation plant, BRP and Tailing utilisation options. (The format provided in the EOI Form II).
- ii. The participant must also provide the financial details of the organization to establish eligibility as per format provided in the EOI (Form III). Enclose the mandatory supporting documents listed in format.

Part III –Participant must provide details of the proposal in the format at Form-IV.

This proposal along with the prescribed documents must be submitted, on or before 10/03/2021 by 3.00 PM to **Head (Centralized Marketing), Corporate Office, 4, Meera Marg, Udaipur**. All the EOI documents received before the last date and time of submission

will become the property of RSMML and will not be returned after opening of the proposals.

12. Tentative Calendar of event: -

S. No.	Milestone	Date
1.	Pre-Bid Meeting	On 24/02/2021 @ 11:00 AM
2.	Last Date of submission of EOI offer	10/03/2021 @ 03:00 PM

Interested parties are advised to regularly visit our website until due date/extended due date of DEOI for corrigendum/addendum, if any, to the DEOI. For further information and clarification, may contact Head (Centralized Marketing), Corporate Office, 4, Meera Marg, Udaipur.

Head (Centralized Marketing)
9414107477

Date: 09.02.2021

Form-I

**COVERING LETTER
(On Company letterhead)**

Date:

**To,
Head (Centralized Marketing),
4, Meera Marg,
RSMML, Corporate Office,
Udaipur.**

Ref: Expression of Interest No.

Dear Sir,

We have examined the Expression of Interest (EOI), I/we, the undersigned, on behalf of our company intend to participate in Production of beneficiated Phosphate by installing 5.00 Lakh MT/annum capacity industrial beneficiation plant on Design, Built, own, operate & maintain basis for 20 years operation at Jhamarkotra mines of RSMML, District Udaipur, Rajasthan and submit a proposal in response to the Expression of Interest (EOI) for the said project. We attach hereto the response as required by the EOI, which constitutes our proposal. Primary and Secondary contacts for our company are: -

	Contact
Name:	
Title:	
Company Name:	
Address:	
Phone:	
Mobile:	
Fax:	
E Mail:	

I/We confirm that the information contained in this response or any part thereof, including its exhibits and other documents is true, accurate, verifiable and complete. We fully understand and agree to comply that on verification, I/We also understand that incorrect information furnished in this process shall render the proposal liable for rejection at any stage. Our Company agrees for acceptance of all the terms and conditions set out in the EOI document. It is hereby confirmed that I/We are entitled to act on behalf of our company/ corporation/ firm/ organization and empowered to sign this document as well as such other documents, which may be required in this connection.

Dated this.....Day of 2021

**(Signature) and Seal of Company (In the capacity of
(Name)**

Form-II

(On Letter Head of Bidder/Firm/Company)

General Detail of the organization: -

1. Details of the Organization.
2. Name of Organization.
3. Nature of business.
4. Date of Incorporation.
5. Date of commencement of Business.
6. Address of Offices.
7. Other Relevant Information: - GSTN No., PAN No. Etc.

Form-III

Financial detail of the organization

Financial Information			
	FY 2017-18	FY 2018-19	FY 2019-20
Turnover in Rs.Crores			
Profit Before Tax			
Profit after Tax			
Other Relevant Information			

Form: IV

- A. Details of existing process plant installed/operated by bidder (if any).
- B. Concept Report on Proposed Beneficiation process, BRP & Tailing utilisation options.

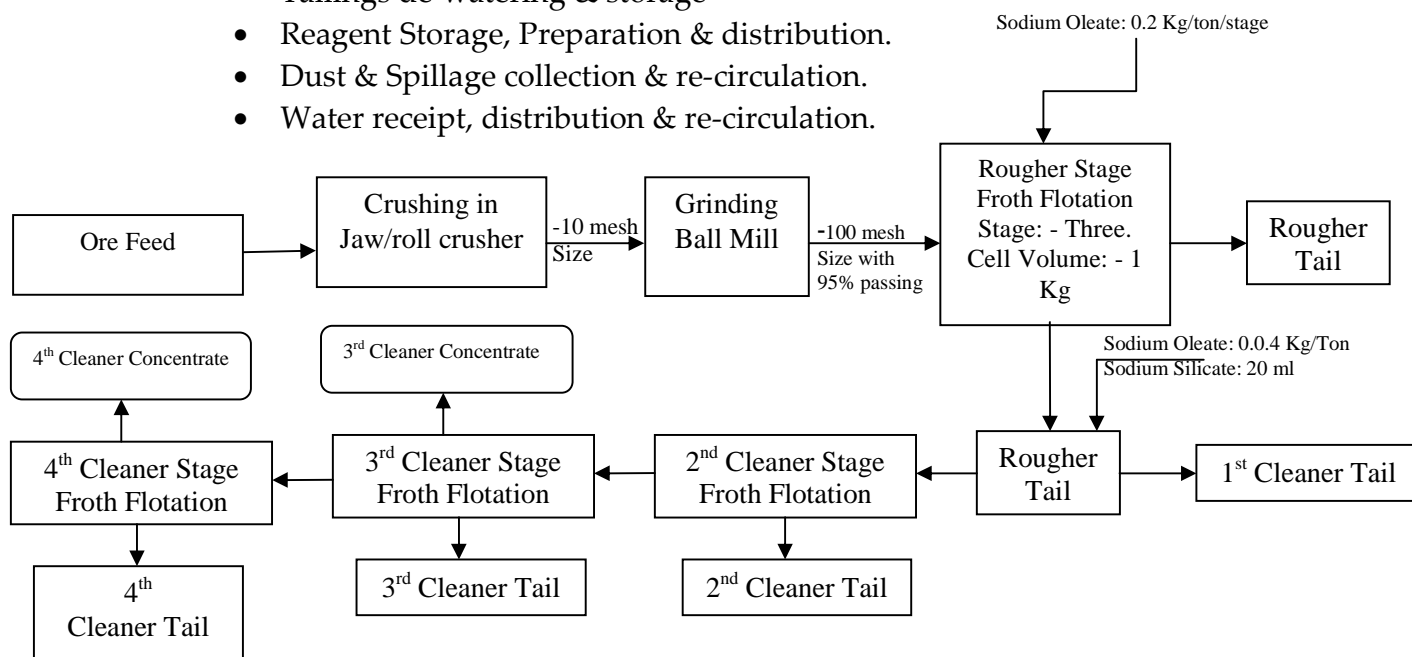
1. Typical Specifications of the material: -

Rock phosphate Secondary Ore Specifications	
Parameter	Indicative average %
P ₂ O ₅	14.60
Al	52.47
MgO	1.22
R ₂ O ₃	4.50
CaO	21.70
LOI	4.22
Available Size	Fine to Coarse up to 0.50 meter

2. Simplified Process Sheet for beneficiation of Secondary Ore: -

Based on the bench & pilot scale studies on the sample of secondary rock phosphate at Ore Dressing Laboratories of Indian Bureau of Mines, the preliminary methodology for carrying out the up-gradation of secondary rock phosphate is as under: -

- Crushing & Screening of ROM, (optional)
- Fine ore storage
- Grinding & Classification of ground material
- Thickening of ground material
- Flotation
- Concentrate de-watering & storage
- Tailings de-watering & storage
- Reagent Storage, Preparation & distribution.
- Dust & Spillage collection & re-circulation.
- Water receipt, distribution & re-circulation.



Tentative Flow Sheet for Beneficiation of Secondary ore