

**FCI ARAVALI GYPSUM AND MINERALS INDIA LIMITED (FAGMIL)**  
**2-West Patel Nagar, Circuit House Road, Jodhpur (Rajasthan)**

**Expression of Interest (EOI)**  
**For Design, Engineering, Supply, Installation, and Commissioning of PROM Plant (25 TPD) at**  
**Pandoli, Chittorgarh (Rajasthan)**

### **1. Introduction**

FCI Aravali Gypsum and Minerals India Limited (FAGMIL) invites Expression of Interest (EOI) from eligible and experienced agencies for **design, engineering, supply, installation, testing, and commissioning** of a **Phosphate Rich Organic Manure (PROM) Plant of 25 TPD capacity (based on 8-hour operation)** at its Pandoli site in Chittorgarh, Rajasthan.

The initiative aims to promote **value addition to low-grade rock phosphate**, enhance **fertilizer production capability**, and support **sustainable agriculture practices**.

### **2. Project Overview**

- **Location:** FAGMIL Land, Pandoli, District Chittorgarh, Rajasthan
- **Capacity:** 25 TPD (8-hour operational basis)
- **Product:** PROM (Phosphate Rich Organic Manure)
- **Project Type:** Turnkey (Design + Supply + Installation + Commissioning)
- **Objective:** Establishment of an efficient and compliant PROM manufacturing unit

### **3. Scope of Work**

The selected bidder shall be responsible for:

#### **3.1 Design & Engineering**

- Technology Demonstration & Product Performance Tests.
- Detailed Process Design & Material Balance and flow diagram
- PFD, P&ID, GA Drawings
- Equipment layout and plant configuration
- Civil and structural drawings
- Electrical and instrumentation design
- Design for variable feedstock (rock phosphate + organic inputs)

#### **3.2 Civil & Structural Works**

- Site preparation and levelling
- Foundation for machinery
- Shed construction / covered processing area
- Storage facilities for raw material and finished goods

#### **3.3 Plant & Machinery Supply**

- Raw material handling system
- Crushing/grinding unit
- Mixing/blending unit
- Granulation system
- Drying and cooling system
- Curing system
- Screening Unit
- Bagging & Weighing system
- Conveyors and material handling equipment
- Dust collection & pollution control system
- Any other equipment or system required for manufacturing of PROM

#### **3.4 Installation & Commissioning**

- Erection and installation of all equipment
- Trial runs and performance testing
- Stabilization of plant operation
- 72 hour continuous performance test

#### **3.5 Utilities & Support Systems**

- Electrical panels and cabling.
- Water supply system.
- Dust suppression and pollution control systems.
- Instrumentation & Basic automation.

### 3.6 Documentation & Training

- Operation & Maintenance manuals.
- Training of FAGMIL personnel.
- SOPs for production and quality control.

## 4. Key Terms & Conditions

### 4.1 Project Execution

- Complete plant to be delivered on **turnkey basis**.
- All civil, structural, mechanical, and electrical works included.

### 4.2 Performance Guarantee

- Plant shall achieve **minimum 25 TPD production** under 8-hour operation.
- Product shall meet **FCO (Fertilizer Control Order) specifications for PROM**.
- Availability- **Minimum 90% operational availability**.
- Performance Test- 72-hour continuous operation at rated capacity.

### 4.3 Product Quality (FCO Compliance)

Product must meet:

- Minimum P<sub>2</sub>O<sub>5</sub> content (as per FCO).
- Moisture limits.
- Particle size specifications.

### 4.4 Input Flexibility

- **Plant must handle ±20% variation in feedstock quality**

### 4.5 Energy Consumption

- Bidder to specify guaranteed kWh/ton.
- Deviation >10% → penalty.

### 4.6 Raw Material

- Rock phosphate and organic inputs to be provided by FAGMIL (unless specified otherwise).

### 4.7 Completion Timeline

- Project to be completed within **4–6 months** from date of award.

### 4.8 Payment Terms (Indicative)

- No Advance.
- Supply after erection & installations-45%.
- On Commissioning & performance test- 25%.
- After Performance – 10%.
- After 4 month Completion of Commissioning-10%.
- After DLP -10%

### 4.9 Performance Security (Bank Guarantee)

- ₹20 lakh.
- Validity: Defect liability period + 3 months.

### 4.10 Defect Liability Period

- **Minimum 12 months** from commissioning and successful handover to FAGMIL.

### 4.11 Liquidated Damages (LD) & Penalty- (Indicative & Changed according to the norms)

Delay in Completion

- 0.5% per week.
- Max: 10% of contract value.

### 4.12 Quality Failure

- Reprocessing at contractor cost.
- ₹50,000 (Rs. Fifty Thousand Only) per instance for repeated failure.

### 4.13 Energy Overconsumption

- **Penalty if >10% deviation**

### 4.14 Downtime

- ₹10,000 (Rs. Ten Thousand Only) per day beyond permissible limit.

#### **4.15 O&M Support (MANDATORY)**

- Minimum 12 months O&M support.
- Includes manpower, supervision, troubleshooting.

#### **4.16 Change in Law Clause**

FAGMIL reserves the absolute right, at any time during the tenure of the agreement, to amend, modify, relax, or impose new terms and conditions, including those arising from or necessitated by changes in applicable laws, rules, regulations, or government policies. Such modifications shall be binding on the contractor from the date of notification.

#### **4.17 Additional Conditions**

- Third-party inspection before dispatch.
- Mandatory insurance.
- Compliance with environmental norms.
- Proven technology only.

#### **5. Preferential requirements from potential bidders.**

- Compliance with **FCO norms for PROM production**
- Adequate mixing and curing mechanism.
- Dust control and environmental safeguards.
- Energy-efficient equipment.
- Automation (preferred but not mandatory).

#### **6. Preferential requirement from potential bidders.**

- Experience in fertilizer / compost / PROM plant installation.
- At least **one similar project (≥10 TPD capacity)**.
- Registered entity (Company / Firm / OEM / EPC contractor).
- Financial capability:
  - Minimum turnover: ₹2–5 Crore (indicative).
  - Credit line and net worth certificate.

#### **7. Submission of EOI**

##### **7.1 Technical Proposal**

- Organization profile.
- Experience details.
- Process flow and plant layout.
- List of equipment.
- Execution schedule.

##### **7.2 Financial Proposal**

- Lump sum project cost.
- Break-up (civil, mechanical, electrical, etc.).

##### **7.3 Duration of Contract**

- Execution period: As per timeline.
- O&M support (optional): 1–3 years (if included).

#### **8. General Terms**

- FAGMIL reserves the right to accept/reject any EOI.
- May modify or withdraw at any stage.

#### **9. Objective of EOI**

- Techno-commercial offers are invited to assess available options and operational models (modus operandi), with the objective of finalizing the tender structure and subsequently issuing the bid for selection of the executing agency. This EOI is for discovering potential parties and their techno-commercial proposals.

## **10. Contact Details**

For Site Visit:-

Name:- Kamlender Nath Chohan

Designation:- Sr. Mine Foreman.

Email:-

Mob. No.:-8769359955

For any other technical query:-

Name:- Ankush Saxena

Designation:- Sr. Manager (Mining).

Email:- fagmilrp@gmail.com

Mob. No.:- 8094634031

For Commercial query:-

Name:- C S Khichi

Designation:- AGM (Commercial)

Email:- cs.khichi84@gov.in

Mob. No.:- 9461034825

## **11. Important Dates:**

- Pre-bid meeting: The potential bidders may discuss company official on Pre-bid meeting Date, Time and Address is as follows :-

May 04, 2026 11:00 AM.

FCI Aravali Gypsum and Minerals India Limited (FAGMIL)

Plot No.02, West Patel Nagar, Circuit House Road, Ratanada, Jodhpur-342011.

Above pre-bid is in physical mode only mandatorily.