

FAGMIL GYPSUM AND MINERALS INDIA LIMITED

(A Government of India Undertaking)
Jodhpur



TENDER DOCUMENT

For

EPC Package for Setting up of 3024 kW (DC) Solar Photovoltaic Power Plant Projects Under PM-Kusum Component C in the State of Rajasthan including comprehensive O&M for one year.

N.I.T. No. FAGMIL-3(145)/EPC-01/2025

Regd. & Corporate Office

M/S FAGMIL GYPSUM AND MINERALS INDIA LTD.

Plot No. 2, West Patel Nagar,

Circuit House Road,

Ratanada, Jodhpur, Rajasthan-342011

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ABBREVIATION:

EPC	Engineering, Procurement, and Construction
O&M	Operation and Maintenance
NIT	Notice Inviting Tender
LoA	Letter of Award
PPA	Power Purchase Agreement
PSU	Public Sector Undertaking
CEIG	Chief Electrical Inspector to Government
CEA	Central Electricity Authority
GSS	Grid Sub Station
MMS	Module Mounting Structure
SPD	Surge Protection Device
VCB	Vacuum Circuit Breaker
AJB	Array Junction Box
PV	Photovoltaic
STC	Standard Test Conditions
BIS	Bureau of Indian Standards
IEC	International Electro Technical Commission
THD	Total Harmonic Distortion
RFID	Radio Frequency Identification
GTP	Guaranteed Technical Particulars
IS	Indian Standard
HDG	Hot-Dip Galvanized
RMC	Ready-Mix Concrete
FRLS	Flame Retardant Low Smoke
DWC	Double Wall Corrugated
OISD	Oil Industry Safety Directorate
SWG	Standard Wire Gauge
QAP	Quality Assurance Plan
PDI	Pre-Dispatch Inspection
SLD	Single Line Diagram
HMI	Human Machine Interface
ACDB	AC Distribution Board
NABL	National Accreditation Board for Testing and Calibration Laboratories
MNR	Ministry of New and Renewable Energy
MPPT	Maximum Power Point Tracking
MCCB	Molded Case Circuit Breaker
LT / HT	Low Tension / High Tension
SCADA	Supervisory Control and Data Acquisition
FAGMIL	FCI Aravali Gypsum and Minerals India Ltd.
JdVVNL	Jodhpur Vidyut Vitran Nigam Limited
STAAD	Structural Analysis and Design Software
PM-KUSUM	Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan

I. Introduction:

M/S FAGMIL GYPSUM AND MINERALS INDIA LTD (FAGMIL) is a Public Sector Undertaking (PSU) formed in 2003 by separating from the Jodhpur Mining Organization of Fertilizer Corporation of India Limited. It is under the administrative control of the Department of Fertilizers, Ministry of Chemicals & Fertilizers. FAGMIL is primarily involved in mining and marketing of mineral gypsum, which is used in agriculture and cement manufacturing. FAGMIL intends to set up 2520 kW (AC) Grid Connected Solar Photovoltaic Power Generation Plant at Village-Bhawad, Tehsil- Osian, District-Jodhpur for under KUSUM C Component 'C' Under PM-KUSUM on.

Brief scope of Solar Power plant is given as under:

Sr. No	Description of item	Details
1.	Procurer/Owner	M/S FAGMIL GYPSUM AND MINERALS INDIA LTD.
2.	Brief Scope of work	EPC Package for Setting up of 3024 kWp (DC) Solar Photovoltaic Power Plant Projects Under PM-Kusum Component C in the State of Rajasthan including comprehensive O&M for five years
2.	Proposed Capacity	3024 KWp (DC)
3.	Type of connection	Ground Mounted Grid connected Solar power plant
4.	Location of Solar Power Plant	Village-Bhawad, Tehsil- Osian, District- Jodhpur
5.	Point of Grid connection for injection	Cir - Jodhpur DC, Sub Division – Mathania / Bawari Bhawad .
6	(a)Duration of Engineering Procurement and Construction (EPC)	As per point no. III Project Timelines mentioned under Special terms and Conditions (STC).
	(b) Duration of Comprehensive Operation & Maintenance	1 Year free O & M during defect liability period and 1 years comprehensive Operation & Maintenance of the Grid Connected Solar PV Power Plant.
7	Project Cost (in INR)	Rs. 9,59,40,000/-
8	Earnest Money Deposit (EMD)	Rs. 4,90,450/- deposited through Demand draft/Bank Guarantee in attached format or online mode in following bank: Name of Beneficiary: FAGMIL Gypsum and Minerals India Limited Name of Bank: State Bank of India Account No.: 55048828180 IFSC : SBIN0032167 Branch : Circuit House Road, Ratanada, Jodhpur
9	Bid Documents available for Downloading	From 13.08.2025 to 03.09.2025
10	Date and Time of Pre-Bid Meeting	19.08.2025 at 03:00 PM
11	Venue of Pre-Bid Meeting	FAGMIL Gypsum and Minerals India Limited Plot No. 2, West Patel Nagar, Circuit House Road, Ratanada, Jodhpur (Rajasthan)-342011
12	Last Date and time of submission of bid	03.09.2025 till 05:00 PM

13	Date and time of opening of Techno-Commercial Bid	04.09.2025 at 05:00 PM
14	Date & time of opening of Price Bid	Shall be intimated to technically qualified bidders.
15	Bidders Eligibility Criteria	Refer Clause No. 2(A)(i) to (iv) at Page no. 58
16	Bidders Turnover	Refer Clause No. 2(B) at Page no. 59
17	Period of Bid Validity	90 Days from the last date of submission of bids prescribed by FAGMIL and any extension thereof.
18	Address of submission of quarries regarding NIT, if any	Sr. Manager (Technical) FAGMIL Gypsum and Mineral India Limited Plot No. 2, West Patel Nagar, Circuit House Road, Ratanada, Jodhpur (Rajasthan)-342011 Mobile No. 80946-34031

II. Site Details:

FAGMIL intends to set up Solar PV Ground Mounted Power Generation Systems at Bhawad, Osian, Jodhpur with the capacity and address as per table A. The energy generated at Bhawad, Osian, Jodhpur will be terminated to GSS mentioned in above table point 5 (Introduction).

TABLE A

Sr. No	Location	Address	Coordinates	DC Capacity required	AC Capacity Required
1.	Bhawad, Osian, Jodhpur	290/29, Bhawad, bawdi, jodhpur.	26°33'30.7"N 73°06'43.5"E	3024kWp	2520kW



Figure 1: Area available for 3024kWp Solar Power Plant at Bhawad, Osian, Jodhpur