

I/28890/2024

MCDR inspection REPORT

Jabalpur regional office

Mine file No : MP/chattarpur/rock phosphate-

Mine code : 46MPR07002

- (i) Name of the Inspecting : **SQ25**) **IBRAHIM SHARIEF**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Shri Rajnish Mishra, Agent, Shri RAJESHKUMAR, Mining
Official with Designation : Engg.
- (iv) Date of Inspection : 07-JAN-23
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **LUHANI (13.2 HECT)**
- (b) **Registration NO.** : **6722/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : CHHATARPUR
Village : LUHANI
Taluka : BAXHWAHA
Post office : MADDEVRA
Pin Code : 471001
FAX No. : 000
E-mail : khajurahomineral.sales@gma
Phone :
- (f) Police Station :
- (g) First opening date : 03-MAR-16
- (h) Weekly day of rest : SUN
2. Address for :
correspondance
3. (a) Lease Number : MPR2670
(b) Lease area : 13.2
(c) Period of lease : 50
(d) Date of Expiry : 15-OCT-65
4. Mineral worked : ROCK PHOSPHATE Main

I/28890/2024

5. Name and Address of the

Lessee : KHAJURAHU STONES (INDIA) PVT. LTD.
6TH KILOMETER, SAGAR ROAD
CHHATARPUR (MP) CHHATARPUR
MADHYA PRADESH
Phone:
FAX :

Owner : KHAJURAHU STONES (INDIA) PVT. LTD.
CHATTARPUR (MP)
CHHATARPUR MADHYA PRADESH
Phone:
FAX :

6. Date of approval of Mining :

Plan/Scheme of Mining

Mining Plan- 19.04.2013
Modification of MP- 20.03.2017
Review of Mining Plan : 20.01.2020

I/28890/2024

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	9 core bore holes	9 core bore holes	
1b	Exploration over lease area for geological axis 1 or 2	G1 scale of exploration	G1 scale of exploration	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	Lessee	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20	Reserves as per approved mining plan - 2.515 million Tonnes Reserves to be depleted up to 01.04.2022 : 250000 Balance reserves : 2.25 Million Tonnes	2.515 million Tonnes Reserves depleted up to 01.04.2022 : 250000 Balance reserves : 2.25 Million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			Geology: - The phosphorite in the lease area is associated with chert breccia, dolomite, shale & granite. The strike of the deposit is NW-SE & general dipping varies from 25 to 30 degree towards north east. The P2O5 content in phosphate varies from 18 to 29%.. Exploration is being carried out as proposed

Development :

I/28890/2024

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Towards NE- and South West of the pit. In N 2697212- 2697357 & E312614 - 312793	Development is being carried out as proposed	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No benches in top soil is proposed	nil	
2c	Stripping ratio or ore to OB ratio	1 : 0.42	1 : 0	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	15870 cum	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mining operations are being carried out as proposed

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	99981 T	99530 T	
3c	Recovery of sailable/usable mineral from ROM production	70%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Nil	

I/28890/2024

3f	Quantity of sub grade mineral generation.	No proposal	Nil
3g	Grade of sub grade mineral generation	No proposal	NA
3h	Manual / Mechanised method adopted for segregating from ROM	Manual means	Manual means
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	No study undertaken
3j	Provision of drilling and blasting in mineral benches	Deep hole drilling and Blasting with 2.5 meter spacing, 2.2 meters burden using wagon drill and jack hammer drill	Drilling & blasting is being carried out as proposed
3k	Provision of mining machineries in mineral benches	Excavator- 1.2 cum- 01 No., Dumper- 16T- 12, Wagon drill- 01 No.	Excavator- 1.2 cum- 01 No., Dumper- 16T- 12, Wagon drill- 01 No..
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height of 6 meters is suitable for method of mining proposed.	Yes bench height of 6 meters is suitable for method of mining proposed.
3m	Total area covered under excavation/pits	5.10	5.10
3n	Ore to OB ratio for the pit/mine during the year.	1:0.42	1: 0
3o	Total area put in use under different heads at the end of year	7.45 Ha	7.45 Ha
3p	Production of ROM mineral during the last five year period as applicable	19 - 20 100010 20-21 97912 21-22 99981	19- 20 20-21 97880 21-22 99530 99960

I/28890/2024

3q General remarks of inspecting officers on method of mining etc.

Mining operations are being carried out by deploying HEMM with Deep Hole drilling and Blasting.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal for top soil and OB generated to be dumped in earmarked place.	OB is found dumped in earmarked place.	
4b	Location of topsoil, OB and mineral reject dumps	E 312900 to E 313050, N 2697200 to N 2697260	E 312900 to E 313050, N 2697200 to N 2697260	OB DUMP
4c	Number of dumps within lease area and outside of lease area	01, within lease area	01, within lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within UPL	Within UPL	Its a temporary dump at conceptual stage the dump will be utilised for backfilling
4e	Number of active and alive dumps.	01	01	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	No proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	nil	Retaining wall was found
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Nil	
4j	Number of settling ponds	01	01	
4k	Specific comments of inspecting officer on waste dump management			Waste is found dumped in earmarked place as per proposals in Mining Plan.

I/28890/2024

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No proposal	Nil	
5b	Area under backfilling of mined out area	No proposal	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Nil	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No area is matured for backfilling

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	To be Submitted in time	PMCP report Submitted in time	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha) .	0.25 Ha	0.25 Ha	
6d	No. of saplings planted during the year	100	200 sapplings planted during the year	
6e	Cumulative no .of plants	No proposal	About 2000 sapplings	
6f	Any other method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch and care during the year	No proposal	Nil	

I/28890/2024

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Nil

I/28890/2024

6p	Compliance of environmental monitoring (core zone and buffer zone)	Environment monitoring is to be carried out regularly	Environment monitoring is being carried and results are within permissible limit	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Environment monitoring is being carried out, plantation is being carried out

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Rom generated is to be dispatched	99530 T is dispatched during the year	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	manual	manual	
7c	Different grade of mineral sorted out at mines.	No proposal	Up to 20% P205 and more than 20 % P205	
7d	Any beneficiation process at mines	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Manual sorting and sizing is being carried out to upgrade the ore.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Nil	

I/28890/2024

8b	Concurrent use or storage of topsoil	No proposal	nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No plantation, additional plantation of 100 saplings to be planted.	200 saplings planted during the year	
8g	Survival rate	No proposal	About 85%	
8h	Water sprinkling on roads to control airborne dust	Yes , Water sprinkling on roads is to be done to control airborne dust	Water sprinkling arrangements is there.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation is being carried out to improve aesthetic beauty.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

I/28890/2024

9a	Status of submission of Monthly and Annual returns	AR and MR to be submitted on time	Annual Returns 2021-22: - Submitted on time and Monthly Returns up to the Month of November - 2022:- Submitted on time
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: - Shri RAJESH KUMAR Geologist:- Shri NIKHIL SHARMA	Mining Engineer and Geologist employed as reported
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit: 3.00 Ha Dump - 1.25 ha Road & Infra.: 3.00 Hect,	Pit: 3.00 Ha Dump - 1.25 ha Road & Infra.: 3.00 Hect,
9d	Scrutiny of Annual return on afforestation	100 saplings to be planted	200 saplings planted with 85% survival rate
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM -36774 Tonnes Above 20% to 25% P205- 3675.42 Tonnes above 25% to 30% P205- 1263.04 Tonnes Upto 20% P205- 31835 Tonnes	ROM -36774 Tonnes Above 20% to 25% P205- 3675.42 Tonnes above 25% to 30% P205- 1263.04 Tonnes Upto 20% P205- 31835 Tonnes
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex Mine Above 20% to 25% P205- Rs. 940 Upto 20% P205- Rs. 940. CoP- Rs. 361.08/T.	Ex Mine Above 20% to 25% P205- Rs. 940 Upto 20% P205- Rs. 940. CoP- Rs. 361.08/T.
9h	Scrutiny of Annual return on fixed assets	FA= Rs. 5591000/-	FA= Rs. 5591000/-

I/28890/2024

9k	Scrutiny of Annual return on mining machineries	Type of machinery Capacity of each type of machinery No. of machinery BACK HOE 1.00 cum 2 DUMPER 16/10 Tonnes 2 DUMPER 16/10 Tonnes 16 WATER TANKER 5000 Litres	Type of machinery Capacity of each type of machinery No. of machinery BACK HOE 1.00 cum 2 DUMPER 16/10 Tonnes 16 WATER TANKER 5000 Litres 1
----	--	---	---

1

I/28890/2024

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on

Date :**(IBRAHIM SHARIEF)**

Indian Bureau of Mines