

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION
MCDR Inspection REPORT
Jabalpur Regional

MineCode : 46MPR07002

(i)	Name of Inspecting Officer	:	Mr. Madhavrao Sabre
(ii)	Designation	:	SMG (Senior Mining Geogist)
(iii)	Accompanying mine official with Designation	:	Rajneesh Mishra (Agent)
(iv)	Date of Inspection	:	18.01.2025
(v)	Previous Inspection date	:	21.12.2023

PART-I : GENERAL INFORMATION

1	(a)	Mine Name	Luhani Rock Phosphate Mines
	(b)	Registration Number	IBM /6722/2011
	(c)	Category	'A' (Open Cast)
	(d)	Type of Working	General Shift
	(e)	Postal address	Khajuraho Stones (India) Pvt. Ltd., 06 KM. Sagar road, Dhadari, Chhatarpur (M.P.)
		State	Madhya Pradesh
		District	Chhatarpur
		Villlage	Luhani
		Taluka	Buxwaha
		Post Office	Luhani
		Pincode	471001
		Fax	07682-243883
		Email	Khajurahomineral.sales@gmail.com
		Phone No	07682-241589
	(f)	Police Station	Buxwaha
	(g)	First opening date	03.03.2016
	(h)	Weekly day of rest	1
2		Address for Corresponding	
3	(a)	Lease Area	13.200 Hectare
	(b)	Period of lease	50 Years
	(c)	Date of Expiry	15/10/2065
4		Mineral Worked (Main)	Rock Phosphate
5		Name of address of the Lessee with Phone, email and fax number	Khajuraho Stones (India) Pvt. Ltd., 06 KM. Sagar road, Dhadari, Chhhatarpur (M.P.) Phone no. - 07682241589 Email – Khajurahomineral.sales@gmail.com Fax No. - 07682243883
		Name of address of the Owner/Nominated Owner with Phone, email, fax number and Date of appointment	Nitish Chaturvedi, Add.-Toriya house, Jawahar Marg, Chhatarpur (M.P.)Phone no. - 9981511111 Email – Khajurahomineral.sales@gmail.com
		Name of address of the Agent with Phone,	Mr. Rajneesh Mishra

	email, fax number and Date of appointment	Add. – Choubey colony, Chhatarpur (M.P.) Phone No. – 9425144496 Email id – khajurahomineral.sales@gmail.com
	Name of address of the Manager with Phone, email, fax number and Date of appointment	Mr. Himanshu Bhushan Behera Add – Shanti Nagar colony Chhatarpur (M.P.) Phone No. – 7008045150 Email –khajurahomineral@sales@gmail.com Fax No. – 07682-243883 Mining Engineer) 16.07.2024
	Mining Engineer Name Qualification Date of Appointment	Mr. Himanshu Bhushan Behera Add – Shanti nagar colony Chhatarpur (M.P.) B.Tech (Mining Engineer) 16.07.2024
	Geologist Name Qualification Date of Appointment	Anand Kumar Raikwar M.Sc. Geology 01.01.2023
6	Date of approval of Mining Plan / Review of Mining Plan etc.	No. E 12695 MCDR-MPCOP/1/2025-JBP-IBM_RO_JBP dated 10.03.2025 period 2025-26 to 2029-30.

PART – II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

1. Exploration:

Sl.No.	Items	Proposals	Actualwork	Remarks
1a	Backlog of previous year	0	0	13 boreholes drilled in year 2022-23
1b	Exploration over lease Areafor Geological axis 1Or2.	13.200 Hect.	G1- 12.95 ha G2- 0.25 ha	Nil
1c	Exploration agency & Expenditure in Lakh Rupees during the year	Self	Nil	
1d	Balance area to be explored to bring Geological axis 1 or2	0.25	Nil	
1e	Balance reserves as on 01.04.2024.	4214712	4214712	
1f	General remarks of inspecting officer on geology, exploration etc.	<p>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%.</p> <p>Exploration: Entire potentially mineralized area has been explored in G1 category.</p>		

2. Development(2023-24)

Sl.No.	Items	Proposals	Actualwork	Remarks
2a	Locationofdevelopment w.r.t.leasearea	In the central part of the quarry Centre	As per proposal.	
2b	Separate benches in topsoil, overburden and Mineral(Rule15)	No top soil bench is proposed in RY	No top soil or OB	

2c	Striping ration or ore to OB ratio	1:0.42	1:0.42	
2d	Quantity of top soil generation in m ³	Nil	Nil	
2e	Quantity of overburden Generation in m ³	17435 cum	15800 cum	
2f	Generalremarksofinspecting officerondevelopmentofpit w.r.t.typeofdepositetc.	Development as per proposal is carried out.		

3. Exploitation

Sl.No.	Item	Proposals	Actualwork	Remarks
3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral Production proposed	97916 T	97864 T	
3c	Recovery of saleable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generationandthresholdvalue declared	Nil	Nil	
3f	Quantityofsub-grademineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	Nil	Nil	
3h	Manual/Mechanizedmethod adoptedforsegregatingfrom ROM	Manually	Manually	
3i	Any analysis or beneficiation study proposed & carried out for sub-grademineralandreject	Nil	Nil	
3j	Provision of drilling & 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 1m3 Dumper 16 T : 12 Nos , Wagon drill 01	As per proposal	
3l	Whether height of the benches in overburden and mineral Suitable for method of mining proposed in MP/SOM	5 m	Yes as per proposal.	
3m	Total area covered under Excavation/pits	5.10 Ha	As per proposal.	
3n	Ore to OB ratio for the pit/mine during the year	1 : 0.42	1 : 0.42	
3o	Total area put in use under different heads at the end of year	Pit = 5.180 hect. Dump = 1.620 Hac. Other = 0.45 Hec.	Pit = 5.180 hect. Dump = 1.620 Hac. Other = 0.45 Hec.	

3p	Production of ROM mineral during the last five year period as applicable	2020-21 – 97916 2021-22 – 99981 2022-23 – 99992 2023-24 - 98072	97880 99530 99870 97864	
3q	General remarks of inspecting officer on method of mining etc.	Mining operations are being carried out by deploying HEMM with Deep Hole drilling and Blasting. Production proposal is achieved for RY.		

4. Solid Waste Management Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & Mineral reject (Rule 32,33).	Yes	Yes	At some places OB was dumped out side the lease for which Violation issued.
4b	Location of Topsoil, OB & mineral reject dumps	OB/waste-North East	E 312900 to E 313050, N 2697200 to N 2697260	
4c	Number of dumps within lease Area and outside lease area	One	One	
4d	Location of dumps w.r.t Ultimate pit limit (Rule 16)	Within the UPL	Within the UPL	
4e	Number of active & alive dumps	1	1	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilized	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	Yes	
4i	Length of Retaining wall or garland drain all along dump	150 X 1.5 X 1.5 Mt. Mt. Mt.	150 X 1.5 X 1.5 Mt. Mt. Mt.	
4j	Number of settling ponds	2	2	2 no of Settler pond
4k	Specific comments of inspecting officer on waste dump management	Waste is found dumped in earmarked place as per proposals but outside the lease at one place for which violation issued. Retaining wall as per proposal is constructed.		

5. Solid Waste Management – Backfilling:

Sl. No.	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before Starting backfilling.	N/A	N/A	Not in RY.
5b	Area under backfilling of Mined out area	Nil	Nil	Not in RY.
5c	Concurrently use of top soil for restoration or rehabilitation of mined out Area (K- Rule-32)	Nil	Nil	Not in RY
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	

5e	General remarks of inspecting officer on backfilling, reclamation etc.	Mineral not exhausted fully so no backfilling & reclaiming not proposed in RY.
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5. Progressive Mine Closure Plan:

Sl.No.	Item	Proposals (2023-24)	ActualWork (2023-24)	Remarks
6a	Whether Annual report on PMCP submitted on time and Correctly-Rule26	Yes	Submitted	
6b	Area available for rehabilitation (ha)	Nil	Nil	-
6c	Afforestation done (ha)	0.50 hect.	0.50 hect.	-
6d	No.of saplings planted during	100	200	-
6e	Cumulative no. of plants	100	200	-
6f	Any other specific method of rehabilitation	Nil	Nil	-
6g	Costing cured on Watch & care During the year			-
6h	Compliance on reclamation and rehabilitation by backfilling (i)Void Available for backfilling (LXBXD).	7200 Cum	14000 Cum	No deviation
6i	Compliance on reclamation and rehabilitation by backfilling (ii)Void Filled by waste/tailings.	Nil	Nil	
6j	Compliance reclamation and rehabilitation by backfilling (iii)Afforestation on the Backfilling area	Nil	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling(iv) Rehabilitation by making water reservoir.	Nil	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (Any other specific means	Nil	Nil	
6m	Compliance of Rehabilitation of waste land within lease (i)Afforestation	Nil	Nil	
6n	Compliance of Rehabilitation of waste land within lease (ii)Area rehabilitation (ha) Methodofrehabilitation	Nil	Nil	
6o	Compliance of Rehabilitation of waste land within lease (iii) Method ofrehabilitation	Plantation	Plantation	0.65 hect. Proposed now same contain active dump
6p	Compliance of Environmental Monitoring (core Zone & buffer Zone)	Monitoring regularity	As per proposed	
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations etc.	The PMCP work has been carried as per proposal. 200 saplings planted during the year.		

6. Mineral Conservation:

Sl.No.	Item	Proposals	Actualwork	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatch	As per proposal	-
7b	Method of grade-wise mineral Sorting i.e. manual or mechanical	Manually sorting	Manually	
7c	Different grade of mineral sorted Out at mines	No	Upto 20% P2O5, and more than 20 % P2O5	
7d	Any beneficiation process at mines	Not proposed	Not proposed.	
7e	General remarks of inspecting officer of Mineral conservation & beneficiation issues	Manual sorting and sizing is carried out in the lease.		

7. Environment:

Sl. No.	Item	Proposals	Actualwork	Remarks
8a	Separate removal and utilization Of top-soil(Rule32)	No proposal.	NA	
8b	Concurrent use or storage of top-soil	No proposal.	NA	
8c	Separate dumps for overburden, waste rock, reject and fines (Rule 33)	Yes	Yes	
8d	Use of overburden, waste rock reject and fines dumps for restoring the land to its original use	Nil	Nil	
8e	Phased restoration, reclamation and Rehabilitation of lands affected by mining operations(pits, dumps etc)	Nil	Nil	
8f	Base line information on existence of plantation & additional plantation done(Rule 41)	During the RY 100 saplings proposed.	200 saplings planted.	
8g	Survivalrate	90%	90%	
8h	Water sprinkling on roads to control airborne dust	Yes done	Yes done	
8i	General remarks of inspecting officer on aesthetic beauty in and Around mines area.	Against 100 sapling 200 saplings planted during the year.		

8. Compliance of Rule 45.

Sl.No.	Item	Proposals	Remarks
9a	Status of submission of monthly and Annual returns	Submitted on time.	
9b	Scrutiny of Annual return for information on mining Engineer. Geologist and manager	Mining Engineer: Himanshu Bhushan Behera Geologist: Anand Kumar Raikwar	
9c	Scrutiny of Annual return on land use pattern for area under pits reclaimed area, dumpsetc.	Pit = 5.180 hect. Dump = 1.620 Hac. Other = 0.45 Hec.	
9d	Scrutiny of Annual return on Afforestation	Yes furnished.	
9e	Scrutiny Annual return on mineral reject generation (Grade & quantity)	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Grades ore of 2385.37 Ton is stocked at mine	
9g	Scrutiny of Annual return on sale value, Ex Mineral price & production cost etc.	Ex Mine above 25% to 30% P2O5- Rs 1000 Above 20% to 25% P2O5- Rs. 1565.00 Upto 20% P2O5- Rs. 1813.12. CoP- Rs. 590.29 /T.	
9i	Scrutiny of Annual return on fixed assets	Rs 2644207	-
9k	Scrutiny of Annual return on mining machineries	Aircompressor-2 Dumper - 16 Water Tanker 5000 L -1 Shovel Hydraulic – 2 Back Hoe: 1 m3 2 nos Drill machine 100 mm 01 nos.	-

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

Rule no.	Violation observed		Show cause Position		
	Issued on	Compliance on	Rule no.	Issued on	Compliance on
11(1)	13.03.2025				