

MCDR-MiFLOLST/10/2023-JBP-IBM_RO_JBP
INDIAN BUREAU OF MINES

MINERALS DEVELOPEMMENT AND REGULATION DIVISION

I/24304/2024

MCDR inspection REPORT

Jabalpur regional office

Mine file No : MP/KATNI/LST-166

Mine code : 38MPR47070

- (i) Name of the Inspecting : G007) RAGHUBIR SHARAN GARG
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Uday Pandey, Mining Engineer of the Mine.
Official with
Designation
- (iv) Date of Inspection : 27-DEC-23
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) Mine Name : PADREHI (2.500 H)
- (b) Registration NO. : IBM/17054/2013
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : KATNI
Village : PADREHI
Taluka : VIJAYRAGHAVGARH
Post office : KHIRWA
Pin Code :
FAX No. : 7581425842
E-mail : saurabhgoyal@dhritimines.c
Phone : 9971155757
- (f) Police Station :
- (g) First opening date : 01-OCT-90
- (h) Weekly day of rest : SUN
2. Address for : SHRI Ankit BHASIN
correspondence SHIVDHAM, SIHORA ROAD, KATNI (M.P.) 483501
3. (a) Lease Number : MPR0002
- (b) Lease area : 2.5
- (c) Period of lease : 50
- (d) Date of Expiry : 15-AUG-40
4. Mineral worked : LIMESTONE Main

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5. Name and Address of the

Lessee : ANKIT BHASIN
SHIVDHAM, SIHORA ROAD,
KATNI MADHYA PRADESH
Phone: 9971155757
FAX: 7581425842

Owner : ANKIT BHASIN
SHIVDHAM, SIHORA ROAD,
KATNI MADHYA PRADESH
Phone: 9971155757
FAX : 7581425842

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	24-JAN-08
Plan/Scheme of Mining		MP modify under 17(3) MCR 2016	08-DEC-16
		MP review under 17(1) MCR 2016	15-OCT-20

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PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Two no. of boreholes each of 30m deep proposed against 2020-21	Not carried out.	Deviation pointed out through violation of rule 11(1) of MCDR,2017
1b	Exploration over lease area for geological axis 1 or 2	Not proposed	Entire mineralized area had already proven under G1 Level	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	NA	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Not applicable	-
1e	Balance reserve as on 01/04/20	As on 01/04/23 121 252055T 221 67281T	As on 01/04/2023 121 274571 T 221 67281 T	-
1f	General remarks of inspecting officers on geology, exploration etc			Limestone of the area belongs to rohtas formation of semri group of rocks of vidhyan super group, limestone of the area is light grey to dark grey in colour.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	Pit no 1 (single pit working), from south to north direction	Advancement of proposed pit towards proposed direction.	Mining plan valid as on date was prepared based on normal survey (without DGPS) & got approved on 15/10/2020 and reportedly in Feb,2021 DGPS survey was carried out which is so far not authenticated by the competent authority. After DGPS survey as reported by the M. Er. of the mine shifting of BP no. 4/8 further 60m towards east of the southern portion of the lease area taken place. As on date of inspection a portion of the pit about 60mX100m with 10-12m depth is falls outside of the leas
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed one benches in top soil and three benches in limestone.	As per proposal.	-
2c	Stripping ratio or ore to OB ratio	1:0.57	1:0.149	Matter discussed about less development at field. Soil benches towards north direction were found suitably advanced. Part of pit had already extended beyond eastern lease boundary (based on Mining Plan survey) for which violation have been pointed out through violation of rule 11(1) of MCD Rule.

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2d	Quantity of topsoil generation in m3	5637cum	Record not maintained. Reportedly 3475cum	-
2e	Quantity of overburden generation in m3	4028cum	3475cum	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Open cast manual method of mining was proposed, however evidences of mechanised mining were seen during inspection. Deviation observed on method of mining has been pointed out through violation of rule 11(1) of MCDR,2017 vide letter dated 08/01/2024

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	-
3b	Quantity of ROM mineral production proposed	23500 T	23170 T	98.5% of envisaged one.
3c	Recovery of sailable/usable mineral from ROM production	70%	Reportedly as per proposal	-
3d	Quantity of mineral reject generation	Not proposed.	NA	-
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed.	NA	-
3f	Quantity of sub grade mineral generation.	Not proposed.	NA	-
3g	Grade of sub grade mineral generation	Not proposed.	NA	-

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3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed.	NA	-
3j	Provision of drilling and blasting in mineral benches	Proposed	As per proposal	-
3k	Provision of mining machineries in mineral benches	Not proposed.	Reportedly occasional deployed	Deviation pointed out through violation of rule 11(1) of MCD Rule.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed height of benches 3.0m in Overburden as well as in mineral	Height of mineral bench was observed more than 3.0m	-
3m	Total area covered under excavation/pits	1.68hect at the end of 2024-25	1.035hect.	-
3n	Ore to OB ratio for the pit/mine during the year.	1:0.57	1:0.149	-
3p	Production of ROM mineral during the last five-year period as applicable	2018-19,22827T 2019-20,23500T 2020-21,23063 T 2021-22,22827 T 2022-23,23500 T	2018-19 Nil 2019-20 Nil 2020-21 882 T 2021-22 22822 T 2022-23 23170 T	-

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

Valid mining plan is approved for manual mining operation for the production of mineral. However during inspection evidence of mechanised mining were observed and accordingly deviations have been pointed out through violation of rule 11(1) of MCDR,2017 vide letter dated 08/01/2024

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of top soil and Mine waste proposed.	As per proposal. However, major part of mine waste and top soil utilised in making of proposed bund around the lease area	-
4b	Location of topsoil, OB and mineral reject dumps	Top soil- on Northern 7.5m statutory barrier zone and mine waste on 7.5m statutory barrier zone near BP.No. 5/8	Certain part of the topsoil & mine waste utilised in making of bund as proposed and rest are disposed on proposed site.	-
4c	Number of dumps within lease area and outside of lease area	One-one dump for each top soil and mine waste	As per proposal	-

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4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Soil dump on Northern statutory barrier zone and mine waste dump near BP No. 5/8. Soil dump partly within ultimate pit limit and partly outside of ultimate pit limit whereas mine waste dump completely outside of ultimate pit limit.	As per proposal.	-
4e	Number of active and alive dumps.	Two dumps	Two dumps.	-
4f	Number of dead dumps.	Not proposed	NA	-
4g	Number of dumps established.	Not proposed	NA	-
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed	NA	-
4i	Length of Retaining wall or garland drain all along dumps	Not proposed	NA	-
4j	Number of settling ponds	Not proposed	NA	-
4k	Specific comments of inspecting officer on waste dump management			Waste dump management of lessee is almost as per approved proposal.

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.	Not proposed.	NA	Degraded portion of statutory barrier zone were backfilled as per approved proposal in beginning of the approved

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5b	Area under backfilling of mined out area	Not proposed.	NA	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed.	NA	-
5d	Total area fully reclaimed and rehabilitated	Not proposed	NA	-
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Backfilling of degraded statutory barrier zone were found carried out as per approved proposals. Mine is not reached at the level of reclamation as of now.

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Proposed	PMCP report has not found submitted by the lessee.	Violation of rule 26(2) has been pointed out.
6b	Area available for rehabilitation (ha) .	Not proposed.	NA	-
6c	afforestation done (ha).	Not proposed.	NA	-
6d	No. of saplings planted during the year	67 no.	65 no.	-
6e	Cumulative no .of plants	305 no.	65 no.	-
6f	Any other method of rehabilitation	Not proposed.	NA	-
6g	Cost incurred on watch and care during the year	Not proposed.	NA	-

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6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not proposed.	NA	-
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed.	NA	-
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilledarea	Not proposed.	NA	-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed.	NA	-
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not proposed.	NA	-
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not proposed.	NA	-
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed.	NA	-
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed.	NA	-

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6p	Compliance of environmental monitoring (core zone and buffer zone)	Not proposed.	NA	-
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP report has not been submitted by the lessee. Mine is not reached on level of PMCP implementation. Degraded portions of statutory barrier zone were found backfilled as per approved proposals.

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch 23500 T	ROM dispatch quantity - Nil Grade wise dispatch quantity - Cement grad-19206 T	OK
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	-
7c	Different grade of mineral sorted out at mines.	Not proposed	Cement grade Production- 23170 T Dispatch cement grade 19206 T	-
7d	Any beneficiation process at mines	Not proposed	NA	-

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7e General remarks of inspecting officer on Mineral conservation and beneficiation issues

There is no mineral conservation issue . Entire mineral produced from the mine is supplied to Dhriti Mines and Minerals Pvt Ltd at the sale price of Rs.230/- per ton whereas reported cost of production is Rs. 321/90. per ton. This issue has been raised through violation of rule 45(7) of MCDR vide letter dated 08/01/2024.

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	As per proposal.	-
8b	Concurrent use or storage of topsoil	Not proposed	Top soil generated during mining operation partly utilised in making of proposed bund around the lease area and partly stacked separately.	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for soil and mine waste.	As per proposal.	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	NA	-

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8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed.	NA	-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Proposed 67 saplings per year.	Planted during the year under review.	-
8g	Survival rate	60%	45%	-
8h	Water sprinkling on roads to control airborne dust	Being a manual mine not proposed.	Evidence of water sprinkling were seen during site inspection of the mine.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty of the area is not so bad. Although there is an adjoining lease in around the area covering three directions except north but so far there is no mining activities in M. lease adjoining to the area so far. Backfilling of statutory barrier zone and plantation over it shows nice look.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual Returns	Monthly returns of Nov,2023 and AR of 2022-23 found submitted.	-

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Geologist - Given Mining Engineer-Not given	Geologist Shri Vidya Sagar Sahu. Mining Engineer not given	Appointment notice of Mining Engineer shri Udai Pandey has not been submitted. Accordingly, violation of rule 46 has been pointed out vide letter dated 08/01/2024.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	Lease area utilisation as at the end of year:- i.Covered under current Workings 1.035 ii.Reclaimed-rehabilitated 0.016 iii.Used for wastedisposal 0.605 iv.Occupied by plant, buildings, and roads 0.037 v.used for any other purpose (specify)0.000vi.Work done underPMCP during the year 0.004	-
9d	Scrutiny of Annual return on afforestation	Given	67	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given	Quantity of reject -Nil	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	ROM stock -Nil Graded ore cement grade 5328.78tone(As per AR)	ok
				-

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9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Sale value Rs230/- per tone, Ex mine Price Rs. 322/- per tone and cost of production Rs. 321/90	Indicated sale value is less than the both, Ex Mine price and cost of production which is not desirable for prolong period. Deficiency has been pointed out through violation of rule 45(7) of MCDR vide letter dated 08/01/2024.
9h	Scrutiny of Annual return on fixed assets	Given	Value of Fixed Assets Rs. 2743000/-	-
9k	Scrutiny of Annual return on mining machineries	Given	DUMPER 17.000 TONNE 1 DUMPER 10.000 TONNE 1 W.TANKER2000.000 LITRE1 PUMPS 650.000 L/MN 1	-

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

Violation observed			Show Couese position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17 Rule 11(1)	08-JAN-24				
MCDR17 Rule 26(2)	08-JAN-24				
MCDR17 Rule 27(2)	08-JAN-24				
MCDR17 Rule 31(4)	08-JAN-24				
MCDR17 Rule 33	08-JAN-24				
MCDR17 Rule 34A	08-JAN-24				
Rule 45(7)	08-JAN-24				
MCDR17 Rule 46	08-JAN-24				

Date :23/01/24**(RAGHUBIR SHARAN GARG)**

Indian Bureau of Mines