

I/13439/2023

MCDR inspection REPORT

Jabalpur regional office

Mine file No : MP/KATNI/LAT.-15

Mine code : 75MPR47003

- (i) Name of the Inspecting : G007 ) RAGHUBIR SHARAN GARG  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Ajay Kumar Agnihotri, Geologist and Shri A.K.Shu  
Official with  
Designation
- (iv) Date of Inspection : 14-JUN-23
- (v) Prev.inspection date : 14-JUN-22

PART-I : GENERAL INFORMATION

1. (a) Mine Name : TIKARIA (4.69HA)
- (b) Registration NO. : IBM/5487/2011
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MADHYA PRADESH  
District : KATNI  
Village : TIKARIA  
Taluka : MURWARA  
Post office : NIWAR  
Pin Code :  
FAX No. : 07622404869  
E-mail : vishvakarmaminingco@yahoo.co  
Phone : 07622404869
- (f) Police Station :
- (g) First opening date : 27-SEP-99
- (h) Weekly day of rest : SUN
2. Address for : SHRI POORAN LAL VISHWAKARMA  
correspondance JALPADEVI WARD, KATNI (M.P.) 483501
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
4. Mineral worked : BAUXITE Associated  
FIRECLAY Associated  
LATERITE Main

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## 5. Name and Address of the

Lessee : POORAN LAL VISHWAKARMA  
JALPA DEVI WARD KATNI  
MADHYA PRADESH  
Phone:N. A.  
FAX :N. A.

Owner : POORAN LAL VISHWAKARMA  
JALPA DEVI WARD KATNI  
MADHYA PRADESH  
Phone: N. A.  
FAX : N. A.

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	06-APR-06
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	12-AUG-11
		Mining Scheme rule 12 MCDR1988	12-MAR-14
		MP modif under 17(3) MCR 2016	05-NOV-18

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## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	No backlog of exploration.
1b	Exploration over lease area for geological axis 1 or 2	Not specified	G2: 4.69 ha already explored	For converting entire mineralised area into G1 level exploratory proposal have given against year under going on i.e. 2023-24 in approved mining plan approved on 30/03/2023.
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	Not proposed as entire mineralised area already explored under G2 level.	Not applicable.	
1e	Balance reserve as on 01/04/20	122-30705tonne 222-131265 tonne	122-141450tonne 222-138688 tonne	Proposed reserves as per previous approved mining plan valid upto 31/03/2023 and actual reserves as per mining plan got approved on 30/03/2023 for the period from 2023-24 to 2027-28.

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1f	General remarks of inspecting officers on geology, exploration etc	ML area belongs to mahakaushal group of rocks. Bauxite of the area is light brownish to brown in color , medium hard to soft in nature. At places, pisolitic form of bauxite is seen. Bauxite and laterite are intercalated. Increase in mineral reserves w.r.t. earlier approved mining plan established without any remarkable further exploratory work.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	North west side near lease boundary of mine area	North west side near lease boundary of mine area	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Only mineral benches proposed	mineral benches maintained	
2c	Stripping ratio or ore to OB ratio	Not proposed as there is no OB	NA	
2d	Quantity of topsoil generation in m3	Not proposed as there is no top soil.	NA	
2e	Quantity of overburden generation in m3	Not proposed as there is no OB.	NA	

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2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The working place is deviated but the mining is carried out systematically by forming proper benches. The ROM mineral is dispatched as bauxite or minor mineral (laterite) to nearby cement plants.
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**Exploitation:**

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	03	03	Pits are scattered .
3b	Quantity of ROM mineral production proposed	33298tonne	22700tonne	Less production
3c	Recovery of sailable/usable mineral from ROM production	55% Bauxite & 45% minor mineral Laterite from ROM	As per proposal about 55% Bauxite & 45% minor mineral Laterite from ROM. 100% ROM is dispatched.	
3d	Quantity of mineral reject generation	Not proposed as there is no mineral reject generation envisaged.	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed as there is no mineral reject generation envisaged.	NA	
3f	Quantity of sub grade mineral generation.	Not proposed as there is no sub grade mineral generation envisaged.	NA	
3g	Grade of sub grade mineral generation	Not proposed as there is no sub grade mineral generation envisaged.	NA	



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3o	Total area put in use under different heads at the end of year	Not specified	Almost out of 4.69hect lease area more than 3.5 hect area are presently covered under different mining and allied activities. Lessee had already submitted Financial Assurance in the form of BG for an area of 4.02hect so it appears that FA is already with us for suffiecient amount as per statute.
3p	Production of ROM mineral during the last five year period as applicable	2018-19 15032t 2019-20 51087t 2020-21 51397t 2021-22 29337t 2022-23 33298t	2018-19 -nil 2019-20 -43100t 2020-21- 50200t 2021-22-27800 t. 2022-23-22700t
3q	General remarks of inspecting officers on method of mining etc.		Opencost manual method of mining reportedly carried out . A new mining plan of the mine has been approved vide letter dated 30/03/2023 in which mechanised mining have proposed.

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not proposed as there is no top soil.	NA	
4b	Location of topsoil, OB and mineral reject dumps	Not proposed as there is no top soil.	NA	
4c	Number of dumps within lease area and outside of lease area	Not Proposed as there is no OB	NA	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Proposed as there is no OB	NA	
4e	Number of active and alive dumps.	Not Proposed	NA	

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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	Bund of about 300m along road passing from adjoining to eastern and northern lease boundary of about 1.5m high and 2.5m wide were observed.
4j	Number of settling ponds	Not proposed	NA	
4k	Specific comments of inspecting officer on waste dump management			OB & waste generation not proposed hence not applicable. The whole ROM is mineral Bauxite & minor mineral laterite.

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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	Not applicable as full depth of mineral not exhausted and also no OB & waste available for backfilling in future.	
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 as there is no top soil generation .	NA	
5d	Total area fully reclaimed and rehabilitated	Not proposed	NA	

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5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not applicable as full depth of mineral not exhausted and also no OB & waste available for backfilling in future.
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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).	Yes.	PMCP report attached with AR,2022-23 as per SOP.	
6b	Area available for rehabilitation (ha) .	Not proposed	NA	
6c	afforestation done (ha).	0.009hect	As per proposal	
6d	No. of saplings planted during the year	10	10	
6e	Cumulative no .of plants	50	About 50 trees (approx.)	
6f	Any other method of rehabilitation	Not proposed	NA	
6g	Cost incurred on watch and care during the year	Not proposed.	NA	
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	

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6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	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
6p	Compliance of environmental monitoring (core zone and buffer zone)	Not proposed.	Not done
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Extraction of mineral upto full depth not reached. There is no top soil as well as OB generation. Thus except plantation on statutory barrier zone there is no PMCP work to be executed.

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## Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Production 33298tonne	Grade of Miner. Open.stockin ton Production in ton dispatchin ton closing stock in ton Cem. grade 21317.869 22700.000 15807.730  28210.139	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Sorting of Bauxite and laterite from ROM	As per proposal	
7d	Any beneficiation process at mines .	Not proposed	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			There is no issues related with mineral conservation. Both, bauxite and laterit sold to Vishwakarma Mining Company, sister concerned .

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed as there is no top soil.	NA	
8b	Concurrent use or storage of topsoil	Not proposed as there is no top soil.	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed as there is no OB	NA	

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8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed as there is no OB	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Not applicable as complet extraction of mineral from depth still to be carried out.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	10 trees plantation proposed for the year.	About 10 trees planted during the year	
8g	Survival rate	80%	40%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads to control airborne dust proposed	Water sprinkling on roads to control airborne dust carried out	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mine area needs improvement.

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**Compliance of Rule 45:**


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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	MR & AR to be submitted online	MR upto May,2023 were received Whereas AR for 2022-23 was not submitted onlin.	Last date of submission of AR,2022-23 on line was 30/06/2023 and violation letter based on inspection was issued on 27/06/2023. So violation of rule 45(5)(c) was not issued. However based on defficiencies observed in AR for 2021-22 violation of rule 45(7) was issued on 27/06/2023.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Mining Engineer in charge Shivdhan Vishwakarma Geologist in charge AJAY AGNIHOTRI	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	(i) Already exploited and abandoned by opencast (O-C) mining 0.000 0.000 (ii) Covered under current (O-C) Workings 3.615 (iii) Reclaimed-rehabilitated 0.210 (iv) Used for waste disposal 0.000 (v) Occupied by plant, buildings, residential, welfare buildings and roads 0.056 (vi) Used for any other purpose (specify) GREEN BELT  0.009 (vii) Work done under progressive mine closure plan during the year 0.000	
9d	Scrutiny of Annual return on afforestation	Given	10	OK

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9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given Nil	Nil	OK
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	ROM Stock Nil Cement Grade Bx 28210tonne	OK
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Sale value Rs. 788/12 Ex Mine Price Rs. 791/65	Almost same
9h	Scrutiny of Annual return on fixed assets	Given	Rs. 10952514/-	OK
9k	Scrutiny of Annual return on mining machineries	Given	Type of machinery Capacity of machinery Unit No. of machinery Electrical Non- electrical DUMPER 19.000 TONNE 2 Non Electrical PUMPS (NON-ELEC.) 10.000 L/MN 1 Non Electrical WATER TANKER 4500.000 LITRE 1 Non Electrical	OK

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**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 :****(RAGHUBIR SHARAN GARG)**

Indian Bureau of Mines