

**MCDR inspection REPORT**

**Jabalpur regional office**

**Mine file No :** MP/SATNA/LST-38MPR35303

**Mine code :** 38MPR35303

- (i) Name of the Inspecting : **G006** ) **ABHISHEK RANJAN GAUTAM**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri Anil Kumar Kushwaha, Geologist, Shri Sanjeev Pa  
Official with  
Designation
- (iv) Date of Inspection : 13-MAR-23
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **GORRIYA (7.331 HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :  
State : MADHYA PRADESH  
District : SATNA  
Village :  
Taluka :  
Post office :  
Pin Code :  
FAX No. : NA  
E-mail : NA  
Phone : NA
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest :
2. Address for : SHRI JAGDISH SINGH  
correspondance
3. (a) Lease Number : MPR2366  
(b) Lease area : 7.33  
(c) Period of lease : 20  
(d) Date of Expiry : 09-OCT-26
4. Mineral worked : LIMESTONE Main

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## 5. Name and Address of the

Lessee : JAGDISH SINGH  
SATNA MADHYA PRADESH  
Phone: NA  
FAX :NA

Owner : JAGDISH SINGH  
SATNA MADHYA PRADESH  
Phone: NA  
FAX : NA

6. Date of approval of Mining	:	MP modif under 17(3) MCR 2016	21-SEP-20
Plan/Scheme of Mining	:	MP review under 17(1) MCR 2016	12-NOV-21

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	03 Nos of Bore hole	Nil	Violation pointed out under rule 11(1)
1b	Exploration over lease area for geological axis 1 or 2	Lease area explored up to G1 level	Lease area explored up to G1 level	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Lease area explored up to G1 level	Nil	Lease area explored up to G1 level
1e	Balance reserve as on 01/04/20		Reserve as on 01/04/2022 - 1725753 Tones Resource - 1371090 Tones	
1f	General remarks of inspecting officers on geology, exploration etc			Exploration work of 02 bore hole has not been complete. Violation pointed out for exploration.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	2723940 N to 2724020 N 500925 E to 501020 E	2723940 N to 2724020 N 500925 E to 501020 E	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, Proposed Mineral - 01 bench OB - 01 bench	Yes, Proposed Mineral - 01 bench OB - 01 bench	
2c	Stripping ratio or ore to OB ratio	1:4.37	Nil	Violation pointed out for less development.
2d	Quantity of topsoil generation in m3	300 Cubic meter	300 Cubic mete	
2e	Quantity of overburden generation in m3	2400 cubic meter	Nil	

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2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	the mine development was lagging and not as per the proposals of approved document.Hence violation under rule 11(1) was pointed out.
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**Exploitation:**

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One pit	
3b	Quantity of ROM mineral production proposed	211000 Tones	3748 Tones	Violation pointed out for same
3c	Recovery of sailable/usable mineral from ROM production	80%	80%	
3d	Quantity of mineral reject generation	Not proposed	Not applicable	
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed	Not applicable	
3f	Quantity of sub grade mineral generation.	Not proposed	Not applicable	
3g	Grade of sub grade mineral generation	Not proposed	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method proposed	Mechanised method adopted	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not applicable	

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3j	Provision of drilling and blasting in mineral benches	Drilling & blasting Proposed	Drilling & blasting practice Adopted	
3k	Provision of mining machineries in mineral benches	Excavator with dumper combination.	Excavator - 1.02 cum - 01 Dumper - 27.00 tonne - 02	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Suitable	Suitable as per proposal	
3m	Total area covered under excavation/pits	3.540 Ha	3.540 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:4.37	Nil	
3o	Total area put in use under different heads at the end of year		Covered under current pit - 3.540 ha	
3p	Production of ROM mineral during the last five year period as applicable	2021-22 - 211000 Tons	2021-22 -3748 Tons	Mine working started from 2021-22
3q	General remarks of inspecting officers on method of mining etc.			Opencast machanised method of mining is existing in the lease area. Mine was not in operational at the time of inspection, development work not done was per proposal given in the plan

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping for Top soil, OB and reject proposed	NIL	development work not done achived target for the reportign year

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4b	Location of topsoil, OB and mineral reject dumps	Proposed	development work not done achieved target for the reportign year. Top soil used in bunding work around the lease boundary	Violation pointed out for same
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not applicable	Not applicable	
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed	Not applicable	
4i	Length of Retaining wall or garland drain all along dumps	Not proposed	Not applicable	
4j	Number of settling ponds	Not proposed	Not applicable	
4k	Specific comments of inspecting officer on waste dump management			development work not done achieved target for the reportign year. Top soil used in bunding work around the lease boundary.

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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.	full extraction proposed	Backfilling was proposed during approved plan periodn over 7.5m barrier zone	

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5b	Area under backfilling of mined out area	Backfilling was proposed during approved plan periodn over 7.5m barrier zone	Backfilling not done ase per proposal	Violation pointed out under rule 11(1).
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Used for platisation	Used in plantation	
5d	Total area fully reclaimed and rehabilitated	Backfilling was proposed during approved plan periodn over 7.5m barrier zone	Backfilling not done ase per proposal	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Development work not done achieved target for the reportign year

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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).	To be submitted before 1st July of every year	Submitted	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	0.2 ha	0.2 ha	
6d	No. of saplings planted during the year	200 Saplings proposed for plantation	215 Saplings planted during the year	
6e	Cumulative no .of plants	Not provided	Not applicable	
6f	Any other method of rehabilitation	Not Proposed	Not applicable	
6g	Cost incurred on watch and care during the year	Not provided	Not applicable	

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6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	backfilling proposed in 7.5m barrier zone	Not done
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Backfilling proposed by waste material	Backfilling not done as proposed in 7.5 mtr barrier zone.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on backfilled area	Plantation proposed in 7.5m barrier zone	Not done
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not Proposed	Not applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not Proposed	Not applicable
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not Proposed	Not applicable
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not Proposed	Not applicable
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not Proposed	Not applicable

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6p	Compliance of environmental monitoring (core zone and buffer zone)	Periodical Air, Water, Noise monitoring Proposed	Carried out as per the proposals	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			In most of the working pits areas, ore is already existed hence scope of backfilling doesnot exist. Periodic monitoring is being carried out by outsourced consultant.

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**Mineral Conservation:**

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatched proposed	ROM were dispatched to the cement plant	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical method proposed	mechanical method adopted	
7c	Different grade of mineral sorted out at mines.	not proposed	not applicable	
7d	Any beneficiation process at mines .	not proposed	not applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM is proposed to dispatched to the cement plant no beneficiasion process proposed

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**Environment:**

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	Top soil used for plantation & bunding work	
8b	Concurrent use or storage of topsoil	Proposed	Top soil used for plantation & bunding work	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Backfilling proposed in 7.5 meter barrier zone.	Backfilling not done. Violation pointed out for same.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	not applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	200 Saplings proposed to be planted	200 Saplings planted within lease area	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling is proposed by water tanker	Regular water sprinkling is done by water tanker	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mine area is not much satisfactory as plantation not done up to that extent. Hence, it was instructed to propose maximum nos of saplings final ROMP.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		MR submitted upto Feb 2023 AR submitted upto 2021-22	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Mining Engineer - Shri Sanjeev Kumar Parihar Geologist - Shri Anil Kumar Kushwaha	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Covered under current pit - 3.540 ha	
9d	Scrutiny of Annual return on afforestation		200 Saplings planted within lease area Survival Rate - 80%	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)		Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore		Production (in tonne) - 3748 Dispatches from mine head (in tonne) - 340 Closing Stock - 2681	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost		Ex mine price Rs. 317/- Cost of Production - Rs 317/-	
9h	Scrutiny of Annual return on fixed assets		Nil	
9k	Scrutiny of Annual return on mining machineries		Excavator - 1.02 cum - 01 Dumper - 27.00 tonne - 02	

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

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	30-MAR-23			
MCDR17	Rule 27(1)	30-MAR-23			
MCDR17	Rule 31(1)	30-MAR-23			
MCDR17	Rule 34(1)	30-MAR-23			

**Date :****(ABHISHEK RANJAN GAUTAM)**

Indian Bureau of Mines