

I/11208/2023

Review and updation of Mining Plan REPORT

Jabalpur regional office

Mine file No : MP/KTN/LST-110

Mine code : 38MPR47024

- (i) Name of the Inspecting : C004) ROBERT SIMON C
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shyamal Kishor Kumar , (Mines Head), Manoj Kumar Trip
Official with
Designation
- (iv) Date of Inspection : 28-JUL-22
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) Mine Name : JAMWANI KHURD (8.59) / (7.89)
- (b) Registration NO. :
- (c) Category : A
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : KATNI
Village : JAMWANI KHURD
Taluka : V.GARH
Post office : JAMWANI KHURD
Pin Code :
FAX No. : NA
E-mail : NA
Phone : NA
- (f) Police Station :
- (g) First opening date : 01-JAN-83
- (h) Weekly day of rest : WED
2. Address for : SHRI MADAN LAL GROVER
correspondance : CIVIL LINES
KATNI (M.P.)
3. (a) Lease Number : MPR0229
- (b) Lease area : 8.59
- (c) Period of lease : 50
- (d) Date of Expiry : 13-SEP-32
4. Mineral worked : LIMESTONE Main

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5. Name and Address of the

Lessee : MADAN LAL GROVER
CIVIL LINES KATNI MADHYA
PRADESH
Phone:N. A.
FAX :N. A.

Owner : MADAN LAL GROVER
CIVIL LINES KATNI MADHYA
PRADESH
Phone: N. A.
FAX : N. A.

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	07-JUN-99
Plan/Scheme of Mining	:	Renewal under rule 24 MCR1960	11-NOV-08
	:	MP modif under MCR 1960	02-MAY-14
	:	Mining Scheme rule 12 MCDR1988	05-MAY-14
	:	MP modif under 17(3) MCR 2016	15-JAN-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	
1b	Exploration over lease area for geological axis 1 or 2	Not specified	G2-7.89 ha already explored	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specified	G2-7.89 ha already to be explored in G1.	
1e	Balance reserve as on 01/04/20	Not specified	122-2259608	
1f	General remarks of inspecting officers on geology, exploration etc			The lease area from a part of the Semri Group and comprises rocks belonging to Rohtas formation of lower Vindhyan system consists limestone which is grey, light gray, fine to Medium Grained and Slightly fractured. Lime stone is soft and stratified. The limestone is bedded with intercalations of argillaceous material and inter bedded with shale. The general strike of limestone varies from N60°E-S-60°W to N70°E-S-70°W and the amount of dip usually about 10% to 80° towards North westerly.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	2666500 N to 2666370 N & 469670 E to 469850 E	2666500 N to 2666370 N & 469670 E to 469850 E
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate bench for Overburden,topsoil & mineral proposed	Separate bench for Overburden,topsoil & mineral maintained
2c	Stripping ratio or ore to OB ratio	1:0.096	1:0.095
2d	Quantity of topsoil generation in m3	8139	8000
2e	Quantity of overburden generation in m3	19255	19000
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	01	01	
3b	Quantity of ROM mineral production proposed	199948 T	199000 T	
3c	Recovery of sailable/usable mineral from ROM production	Not specified	Entire ROM dispatched	
3d	Quantity of mineral reject generation	Not specified	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	NA	NA	

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3g	Grade of sub grade mineral generation	NA	NA
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	Nil
3j	Provision of drilling and blasting in mineral benches	Yes	drilling & blasting in mineral benches done
3k	Provision of mining machineries in mineral benches	Yes	Type of machinery Capacity of each unit No. of units Electrical/Non-Electrical (specify) Used in opencast/underground (specify) AIR COMPRESSOR 175.000 CUM/MN 1 Non Electrical Opencast BACK HOE 1.000 CUM 2 Non Electrical Opencast DUMPER 16.000 TONNE 4 Non Electrical Opencast PUMPS (ELEC.) 99999.999 L/MN 1 Electrical Opencast ROCK DRILL (NONELEC.) 122.000 MM 1 Non Electrical Opencast WATER TANKER 6000.000 LITRE 1 Non Electrical Opencast WHEEL LOADER 2.000 CUM 1 Non Electrical Opencast
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Details of Benches (Separately for mechanised and manual sections) In ore In OB/Waste (i) Number of Benches Mechanised 3 2 (ii) Average height (meters) Mechanised 6 3.5

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3m	Total area covered under excavation/pits	Nil	2.14 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.096	1:0.095
3o	Total area put in use under different heads at the end of year	Not specified	3.15 ha
3p	Production of ROM mineral during the last five year period as applicable	2018-19 - 23119 T 2019-20 - 11583 T 2020-21 - 7458 T 2021-22 - 8139 T	2018-19 - 21000 T 2019-20 - 11000 T 2020-21 - 7400 T 2021-22 - 8000 T
3q	General remarks of inspecting officers on method of mining etc.		

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 topsoil & OB proposed	Separate dumping of topsoil & OB done	
4b	Location of topsoil, OB and mineral reject dumps	North westernpart of the lease area	North westernpart of the lease area	
4c	Number of dumps within lease area and outside of lease area	02	02	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	
4e	Number of active and alive dumps.	02	02	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	

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4h	Whether Retaining wall or garland drain all along dumps are there.	Not specified	garland drain 100 x 1 x 1	
4i	Length of Retaining wall or garland drain all along dumps	Not specified	garland drain 100 x 1 x 1	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management			Topsoil & OB generated being is dumped in the lease area.

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 of mineral from mined out area before starting backfilling process proposed	Full extraction of mineral from mined out area before starting backfilling process done	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Top soil to be used for plantation	Top soil used for plantation	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Area not mature enough to start backfilling process.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	Submitted
6b	Area available for rehabilitation (ha) .	Not proposed	Nil
6c	afforestation done (ha) .	0.02	0.02
6d	No. of saplings planted during the year	100	100
6e	Cumulative no .of plants	Not specified	Details not available
6f	Any other method of rehabilitation	Nil	Nil
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	NA	NA
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	NA	NA
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA

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6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	NA	NA	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	NA	NA	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	NA	NA	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	NA	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Carried out.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Progressive closure operations revised in the latest approved document.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch	ROM after grade-wise mineral sorting is being Dispatched within Lease Area	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Not specified	Cement grade limestone	

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7d	Any beneficiation process at mines	Not proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No beneficiation process at mines adopted, only ROM dispatch.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Utilization of topsoil for plantation proposed.	Utilization of topsoil for plantation done.	
8b	Concurrent use or storage of topsoil	Utilization of topsoil for plantation proposed	Utilization of topsoil for plantation done.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps for overburden waste rock proposed	Separate dumps for overburden waste rock maintained	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	OB dumping proposed	OB dumping done	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Phased restoration, reclamation by backfilling & Plantation after full extraction proposed.	Phased restoration, reclamation by backfilling & Plantation after full extraction adopted	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not specified	(a) Within lease area (b) Outside leasearea (i) Number of trees planted during the year 100 0 (ii) Survival rate in percentage 85.00 0	

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8g	Survival rate		Survival rate in percentage 85	
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 done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mine area is moderate and needs improvement.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR & AR online submitted.	MR & AR online submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Manager SHRI GANESH KUMMALWAR Mining Engineer in charge SHRI GANESH KUMMALWAR Geologist in charge SHRI ARVIND KUMAR TAMRAKAR	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	Lease area (surface area)utilisation as at the end of year(hectares) Underforest Outsideforest Total (i) Already exploited & abandoned byopencast (O/C) mining 0.000 3.611 3.611 (ii) Covered under current (O/C)Workings 0.000 0.543 0.543	
9d	Scrutiny of Annual return on afforestation	Given	Within lease area (b) Outside leasearea (i) Number of trees planted during the year 100 0 (ii) Survival rate in percentage 85.00	0

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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	Given	<p>Grade-wise production, Despatches, Stocks and Ex-mine prices of Processed ore(LIMESTONE)</p> <p>Grades</p> <p>Opening stockat mine head(in tonne)</p> <p>Production (intonne)</p> <p>Dispatchesfrom minehead(in tonne)</p> <p>Closingstock at mine head (intonne)</p> <p>Ex-mineprice(in ? PerTonne)</p> <p>(a) LD 0.000 0.000 0.000 0.000 0.00</p> <p>(b) SMS 0.000 0.000 0.000 0.000 0.000 0.00</p> <p>(c) Chemical 0.000 0.000 0.000 0.000 0.000 0.00</p> <p>(d) BF 0.000 0.000 0.000 0.000 0.000 0.00</p> <p>(e) Cement 1787.620 199000.000 199920.194 867.426 394.85</p>
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	<p>Grade-wise production, Despatches, Stocks and Ex-mine prices of Processed ore(LIMESTONE)</p> <p>Grades</p> <p>Opening stockat mine head(in tonne)</p> <p>Production (intonne)</p> <p>Dispatchesfrom minehead(in tonne)</p> <p>Closingstock at mine head (intonne)</p> <p>Ex-mineprice(in ? PerTonne)</p> <p>(a) LD 0.000 0.000 0.000 0.000 0.00</p> <p>(b) SMS 0.000 0.000 0.000 0.000 0.000 0.00</p> <p>(c) Chemical 0.000 0.000 0.000 0.000 0.000 0.00</p> <p>(d) BF 0.000 0.000 0.000 0.000 0.000 0.00</p> <p>(e) Cement 1787.620 199000.000 199920.194 867.426 394.85</p>

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9h	Scrutiny of Annual return on fixed assets	Given	Value of Fixed Assets (in Rs.) 11451493
9k	Scrutiny of Annual return on mining machineries	Given	Type of machinery Capacity of each unit No. of units Electrical/Non-Electrical (specify) Used in opencast/underground (specify) AIR COMPRESSOR 175.000 CUM/MN 1 Non Electrical Opencast BACK HOE 1.000 CUM 2 Non Electrical Opencast DUMPER 16.000 TONNE 4 Non Electrical Opencast PUMPS (ELEC.) 99999.999 L/MN 1 Electrical Opencast ROCK DRILL (NONELEC.) 122.000 MM 1 Non Electrical Opencast WATER TANKER 6000.000 LITRE 1 Non Electrical Opencast WHEEL LOADER 2.000 CUM 1 Non Electrical Opencast

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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 :

(ROBERT SIMON C)

Indian Bureau of Mines