

1/2904/2023

MCDR INSPECTION REPORT

Nagpur regional office

Mine file No : MP/BGT/MN-39/NGP

Mine code : 40MPR01006

- (i) Name of the Inspecting : N006) PUKHRAJ NENIVAL
Officer and ID No.
- (ii) Designation : Regional Controller Mines
- (iii) Accompanying mine : Shri J.P. Yadav, Mine Manager,
Official with
Designation
- (iv) Date of Inspection : 28-DEC-22
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) Mine Name : G.F. SONEWANI
- (b) Registration NO. : IBM/4371/2011
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Underground
- (e) Postal address :
State : MADHYA PRADESH
District : BALAGHAT
Village : KALANGJHARI
Taluka : WARASEONI
Post office : KALANGJHARI (RAMRAMA)
Pin Code :
FAX No. : 07632-70533
E-mail : Pradyuman@hotmail.com
Phone : 07632-70516 (O), 2335 (R)
- (f) Police Station : WARASEONI
- (g) First opening date : 01-JUL-62
- (h) Weekly day of rest : FRI
2. Address for : P.B.NO 1,
correspondance : MAIN ROAD, BALAGHAT
DISTT. BALAGHAT (MP)
3. (a) Lease Number : MPR1924
- (b) Lease area : 3.38
- (c) Period of lease : 30
- (d) Date of Expiry : 29-OCT-49
4. Mineral worked : MANGANESE ORE Main

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5. Name and Address of the

Lessee : M/s J.K. Minerals
Main Road ,Balaghat Distt.
Balaghat (MP) BALAGHAT
MADHYA PRADESH
Phone:
FAX :

Owner : M/s J.K.Minerals
Main Road ,Balaghat Distt.
Balaghat (MP) BALAGHAT
MADHYA PRADESH
Phone:
FAX :

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	10-MAY-02
Plan/Scheme of Mining		Modif.approved Mining Scheme	20-JAN-04
		Mining Scheme rule 12 MCDR1988	25-JUN-04
		Mining Scheme rule 12 MCDR1988	28-MAR-06
		Mining Scheme rule 12 MCDR1988	14-OCT-09
		Modif.approved Mining Scheme	23-AUG-10
		Mining Scheme rule 12 MCDR1988	10-MAY-13

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PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Not proposed	Exploration work was not observed & no Core logs have been found preserved.	Violation pointed out for same.
1b	Exploration over lease area for geological axis 1 or 2	Not proposed	Since the area belongs to forest area and no permission has been granted for exploration hence proposed exploration will be in the form of underground development in the form of incline/drivages/winzes raises/cross cut which is as per five year development.	
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	Not proposed	Not applicable	
1e	Balance reserve as on 01/04/20		111-980808 Tons 122-91249 Tons	
1f	General remarks of inspecting officers on geology, exploration etc			No additional exploration has been proposed.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	Development Proposed(18Ha.) Actual Drive/winze/Raise - 254m. Stope - 64839 tons Development Proposed(15 Ha.) Actual Drive/winze/Raise - 61m. Stope - 62847 tons	Development Proposed(18Ha.) Actual Drive/winze/Raise - 212m. Stope - 34981.639 tons Development Proposed(15 Ha.) Actual Drive/winze/Raise - 42m. Stope - 24545.500 tons	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not proposed	UG mining operation	
2c	Stripping ratio or ore to OB ratio	Not proposed	UG mining operation	
2d	Quantity of topsoil generation in m3	Not proposed	UG mining operation	
2e	Quantity of overburden generation in m3	Not proposed	UG mining operation	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			UG mining operation carried out in the lease.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Block no. -1 & 2	Block no. -1 & 2	
3b	Quantity of ROM mineral production proposed	70440 Tons	34981.63 Tons	
3c	Recovery of sailable/usable mineral from ROM production	100%	98%	
3d	Quantity of mineral reject generation	Not proposed	Not applicable	

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3e	Grade of mineral rejects generation and threshold value declared.	Below 10% MN	Below 10% MN
3f	Quantity of sub grade mineral generation.	Not proposed	Not applicable
3g	Grade of sub grade mineral generation	10% MN to 20% MN	10% MN to 20% MN
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual method adopted for segregation.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not applicable
3j	Provision of drilling and blasting in mineral benches	Yes	Yes
3k	Provision of mining machineries in mineral benches	Not proposed	Not applicable
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes (Stopping method suitable as per geology and ore body)	Yes (Stopping method suitable as per geology and ore body)
3m	Total area covered under excavation/pits	2.95 Ha	2.95 Ha
3n	Ore to OB ratio for the pit/mine during the year.	Not proposed	not applicable
3o	Total area put in use under different heads at the end of year	16.3942 ha	16.3942 ha

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3p	Production of ROM mineral during the last five year period as applicable	2017-18 - 79978.4 T 2018-19 - 79974 T 2019-20 - 71141 T 2020-21 - 70831 T 2021-22 - 70440 T	2017-18 - 42437.139 T 2018-19 - 41417.7085 T 2019-20 - 24545 T 2020-21 - 29097 T 2021-22 - 34981.639 T
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3q	General remarks of inspecting officers on method of mining etc.	UG mining is being done with method of stoping by retreatment method of flat back cut and fill stoping with sand and waste as fill material.
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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)	Mineral reject are separate dump at surface	Mineral reject are separate dump at surface	
4b	Location of topsoil, OB and mineral reject dumps	Near K- incline & pit no -3	Near K- incline & pit no -3	
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 applicable	Not applicable	

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4i	Length of Retaining wall or garland drain all along dumps	Not applicable	Not applicable	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management			Garland drain are provided all along the boundary

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.	Sand stowing done in stope after full extraction of mineral	Sand stowing done in stope after full extraction of mineral	
5b	Area under backfilling of mined out area	23325m3 (stoped out area)	13011.07m3(Sand stowing)	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not applicable	Not applicable	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Backfilling is done in the stoped out area by sand stowing.

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).	Submitted	Submitted	

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6b	Area available for rehabilitation (ha) .	Nil	Nil
6c	afforestation done (ha).	0.09 ha	0.12 ha
6d	No. of saplings planted during the year	20 nos	115 nos
6e	Cumulative no .of plants	80	12695 nos
6f	Any other method of rehabilitation	Not proposed	Not applicable
6g	Cost incurred on watch and care during the year	Not proposed	Rs 100000/-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	23325m3	13011.07m3(Sand stowing)
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not specified	13011.07m3(Sand stowing)
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	UG stoping	Not applicable
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

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6m	Compliance of rehabilitation of waste land within lease (i)afforestation	0.018 ha	0.867 ha	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation	Plantation	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Yes	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Environment monitoring is not done for monsoon season.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	70440 Tons	34981.63 Tons	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Below 25% 25% to below 35% 35% to below 45%	Below 25% 25% to below 35% 35% to below 45%	
7d	Any beneficiation process at mines	Not proposed	Not applicable	

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

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA (UG working)	Not applicable	
8b	Concurrent use or storage of topsoil	NA (UG working)	NA (UG working)	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA (UG working)	NA (UG working)	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA (UG working)	NA (UG working)	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Plantation	Plantation done Tree planted - 12695 nos.	

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8g	Survival rate	Not specified	approx 60% as per provided records	The survival rate of plantation done in mine area is very poor. Violation pointed out
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The survival rate of plantation done in mine area is very poor. Violation pointed out

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Monthly return and Annual Return Submitted in time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager		Mining Engineer- Sh. M.S. Anuragi Geologist: Shri Rakesh Nageshwar Shri J. P. Yadav Mine Manager,	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Pits and trenches - 2.9511 Ha. Dumps of waste And Overburden/ Sub grade or Mineral reject Ha. Infrastructure Inclusive of - 0.1559 Office workshop Area occupied by - 0.9759 Ha. Roads Water bodies like Tank/river/nala/ - 2.8226 Ha. Plantation	-
9d	Scrutiny of Annual return on afforestation		Plantation done Tree planted - 12695 nos.	

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9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	below 10% MN
9f	Scrutiny of Annual return on ROM stock and/or graded ore	As per AR
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	as per AR
9h	Scrutiny of Annual return on fixed assets	as per AR
9k	Scrutiny of Annual return on mining machineries	as per AR

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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
MCDR17	Rule 11(1)	06-JAN-23			
MCDR17	Rule 12(4)	06-JAN-23			
MCDR17	Rule 34(1)	06-JAN-23			

Date :**(PUKHRAJ NENIVAL)**

Indian Bureau of Mines