

**MCDR inspection REPORT**

**Nagpur regional office**

**Mine file No :** MP/BGT/MN-70/NGP

**Mine code :** 40MPR01074

- (i) Name of the Inspecting : **C005** ) **ROBERT SIMON C**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Devendra Trivedi (Lessee Representative), P.L. Uikey  
Official with  
Designation
- (iv) Date of Inspection : 20-JUL-23
- (v) Prev.inspection date : 07-MAR-20

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **G.F SONEWANI (10.00 HA.)**
- (b) **Registration NO.** : **IBM/4371/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Underground
- (e) Postal address  
State : MADHYA PRADESH  
District : BALAGHAT  
Village : KATANGJHARI  
Taluka : LALBARRA  
Post office : KATANGJHARI  
Pin Code : 481332  
FAX No. : 7415355775  
E-mail : pradyuman@hotmail.com  
Phone : 8435002150
- (f) Police Station : Lalburra
- (g) First opening date : 10-MAR-15
- (h) Weekly day of rest : SAT
2. Address for : Village - Katangjhari, Tehsil - Lalburra  
correspondance : District - Balaghat,  
M.P.- 481332
3. (a) Lease Number : MPR2630
- (b) Lease area : 10
- (c) Period of lease : 50
- (d) Date of Expiry : 04-MAR-60
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: 8435002150  
FAX :

Owner : M/s J.K.Minerals  
Main Road ,Balaghat Distt.  
Balaghat (MP) BALAGHAT  
MADHYA PRADESH  
Phone:  
8435002150  
FAX :

## 6. Date of approval of Mining Plan/Scheme of Mining :

BGT/MN/MPLN-1104/ NGP, Nagpur	12/01/2012
MP/ Balaghat/Mangnese/MPLN/MOD-58/2017- 18/3232, Jabalpur	09/10/2017
MP/Balaghat/Mangnese/RMP-9/218- 19, 5487, Jabalpur	24/05/2019

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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	Nil	
1b	Exploration over lease area for geological axis 1 or 2	NA	NA	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Exploration not proposed due to forest land (only UG working allowed, no permission for any activity at surface)	NA	
1e	Balance reserve as on 01/04/20	Not specified	122 -43464 T	
1f	General remarks of inspecting officers on geology, exploration etc			The block is covered with soil and jungle, easterly side low lying area along the depression showing muscovite /biotite schist and quartzite exposure. The geological study been established and correlated with present development and already carried out development in southern block II.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	MI (KI-3) MI-2 DRIVE/X-CUT WINZE/RAISE	MI (KI-3) MI-2 DRIVE/X-CUT WINZE/RAISE	

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2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NA	NA	Only UG working
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m3	NA	NA	
2e	Quantity of overburden generation in m3	908	Nil	Violation pointed out under rule 11(1) of MCDR 2017.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Only UG working permission from forest dept.

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Block II (UG working)	Block II (UG working)	
3b	Quantity of ROM mineral production proposed	6352 T	5307 T	
3c	Recovery of sailable/usable mineral from ROM production	50%	47%	
3d	Quantity of mineral reject generation	Nil	2685 T	Violation pointed out under rule 11(1) of MCDR 2017.
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed	9%	
3f	Quantity of sub grade mineral generation.	1271 T	Nil	Violation pointed out under rule 11(1) of MCDR 2017.

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3g	Grade of sub grade mineral generation	Not specified	NA	Nil sub-grade ore is generated against the proposal of 1271 Tonnes for the year 2022-23. Violation pointed out under rule 11(1) of MCDR 2017.
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	Yes	Wedge Cut drilling pattern at underground	
3k	Provision of mining machineries in mineral benches	No HEMM proposed	Not used.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	NA	NA	
3m	Total area covered under excavation/pits	NA	NA	
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	
3o	Total area put in use under different heads at the end of year	NA	NA	
3p	Production of ROM mineral during the last five year period as applicable	2018-19 10338 2019-20 5106 2020-21 3715 2021-22 6195 2022-23 6352	2018-19 4237 2019-20 3823 2020-21 2030 2021-22 2289 2022-23 5307	

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

The method of stoping is by retreating 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)	NO SURFACE RIGHT FOR DUMP WITHIN THIS LEASE	No dumps	
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	
4c	Number of dumps within lease area and outside of lease area	NA	NA	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	
4e	Number of active and alive dumps.	NA	NA	
4f	Number of dead dumps.	NA	NA	
4g	Number of dumps established.	NA	NA	
4h	Whether Retaining wall or garland drain all along dumps are there.	NA	NA	
4i	Length of Retaining wall or garland drain all along dumps	NA	NA	
4j	Number of settling ponds	NA	NA	
4k	Specific comments of inspecting officer on waste dump management			Only UG working permitted and carried out.

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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 of mineral and sand stowing after stopping	Full extraction of mineral and sand stowing after stopping	
5b	Area under backfilling of mined out area	NA	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NA	NA	
5d	Total area fully reclaimed and rehabilitated	NA	NA	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Only UG mehod of mining were being carried out.

## 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	Submitted.	
6b	Area available for rehabilitation (ha) .	NA	0.018	
6c	afforestation done (ha) .	NA	0.018	
6d	No. of saplings planted during the year	NA	50	
6e	Cumulative no .of plants	NA	NA	
6f	Any other method of rehabilitation	NA	NA	
6g	Cost incurred on watch and care during the year	NA	NA	

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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
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



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6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	With in permitted limit.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Yearly report submitted. Violation pointed out for the same.

## Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatch after grade wise sorting within lease area proposed	ROM mineral dispatch after grade wise sorting 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.	+10%mn To+40%mn	+10%mn To+40%mn	
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 done.

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	UG METHOD

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8b	Concurrent use or storage of topsoil	NA	NA	UG METHOD
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	UG METHOD
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	UG METHOD
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NA	NA	
8g	Survival rate	NA	NA	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling at Haul roads and working areas at UG.	Water sprinkling at roads and working areas at UG.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mine area is good.

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**Compliance of Rule 45:**

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Given	Submitted	

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Manager : Shri P.U. Sankade Mining Engineer in charge: Shri Premlal Uikey Geologist in charge : Shri Rakesh Kumar Nageshwa
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	Used for Plantation - 0.018 ha
9d	Scrutiny of Annual return on afforestation	Given	Number of trees planted during the year= 50 nos
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Given	2685 T
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	ROM Closing stock- 288.000 T Below 25% Mn Closing stock-27.5 T 25% to below 35% Mn Closing stock-15.000 T 46% and above Mn Closing stock-83.500 T
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given	Grades** Opening stockat mine-head Production Despatchesfrom minehead Closing stockat mine-head Ex-mine price(?-Tonne) (i) Ore (a) Below 25% Mn 285.000 127.500 385.000 27.500 4031.00 (b) 25% to below 35% Mn 81.000 1464.000 1530.000 15.000 7185.00 (c) 35% to below 46% Mn 46.500 742.000 705.000 83.500 10915.00
9h	Scrutiny of Annual return on fixed assets	Nil	Violation pointed out under rule 45(7) of MCDR 2017.

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9k	Scrutiny of Annual return on mining machineries	Given	Type of machinery Capacity of each type of machinery Unit (in which capacity is reported) No. of machinery Electrical Nonelectrical (specify) Used in opencast underground (specify) PUMPS (ELEC.) 2400.000 L/MN 5 Electrical Underground ROCK DRILL (NON-ELEC.) 32.000 MM 3 Non Electrical Underground ROCK DRILL (NON-ELEC.) 57.000 MM 1 Non Electrical Underground EXPLOSIVE VAN 0.500 TONNE 1 Non Electrical Both
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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