

**INDIAN BUREAU OF MINES  
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

**MCDR INSPECTION REPORT**

**Nagpur regional office**

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

**Mine code :** 40MPR01006

- (i) Name of the Inspecting : **K014** ) **NARESH KUMAR KATARIYA**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Shri J P Yadav (Mines Manager), shri H Churhe (Geolog  
Official with  
Designation
- (iv) Date of Inspection : 17-JUN-19
- (v) Prev.inspection date : 18-MAR-15

**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** : **50**
- (d) **Date of Expiry** : **29-OCT-49**
4. **Mineral worked** : **MANGANESE ORE** **Main**

## 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

## 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	Nil	Nil	
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		G-1 : 7.8574 Ha G-2 : 0.9507 Ha Non minaralised: 9.647 Ha	
1e	Balance reserve as on 01/04/20		111- 998166 T. 122 - 91249 T. 211 -253176 T. 222- 18689 T.	
1f	General remarks of inspecting officers on geology, exploration etc			

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit -1/ Incline 1 Level 2(286MRL) Level 3(271MRL) Level 4(255MRL)-	Pit -1/ Incline 1 Level 2(286MRL) Level 3(271MRL) Level 4(255MRL)- Pit- 3/Incline P3/W6 Level 0(313MRL) Level 3(271MRL)	
		Pit- 3/Incline P3/W6 Level 0(313MRL) Level 3(271MRL)		
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	UG mining operation	UG mining operation	

2c	Stripping ratio or ore to OB ratio	NA	NA	
2d	Quantity of topsoil generation in m3	UG mining operation	NA	
2e	Quantity of overburden generation in m3	UG mining operation	NA	
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	79974 T	41765.200 T	
3c	Recovery of sailable/usable mineral from ROM production	98%	73.034%	
3d	Quantity of mineral reject generation	Nil	11262.2 T	
3e	Grade of mineral rejects generation and threshold value declared.	Below 10%	Below 10%	
3f	Quantity of sub grade mineral generation.	7297m3	1403.5 T	
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	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No	Not done
3j	Provision of drilling and blasting in mineral benches	Yes	Yes
3k	Provision of mining machineries in mineral benches	No	No
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.	NA	NA
3o	Total area put in use under different heads at the end of year	16.228 Ha	16.1252 Ha
3p	Production of ROM mineral during the last five year period as applicable	2014-15 -79974 T 2015-16 - 79974 T 2016-17 -79974 T 2017-18 - 79978.4 T 2018-19 - 79974 T	2014-15 - 43703.082T 2015-16 - 49630.494T 2016-17 - 43436.919T 2017-18 - 42437.1393T 2018-19 - 41417.7085T
3q	General remarks of inspecting officers on method of mining etc.		UG mining is being done with method of stopping by retreatment method of flat back cut and fill stopping with sand and waste as fill material.

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	Lat. N21°51'54.82" Long.E79°56'51.59" Lat. N21°51'56.09" Long.E79°56'56.64"	Lat. N21°51'54.82" Long.E79°56'51.59" Lat. N21°51'56.09" Long.E79°56'56.64"	
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)	NA	NA	
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.	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			Garland drain are provided all along the boundary

#### Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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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)	NA	NA
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.

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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	Yes	
6b	Area available for rehabilitation (ha) .	nil	nil	
6c	afforestation done (ha).	Nil	Nil	
6d	No. of saplings planted during the year	300 Nos	226 Nos	
6e	Cumulative no .of plants	Not specified	10188 plants	
6f	Any other method of rehabilitation	Not proposed	No	
6g	Cost incurred on watch and care during the year	Not specified	NA	

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	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.	Not proposed	NA
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	300 Nos	226 Nos
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.		

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	79974 Te	Below 25% - 1403.5 T 25% to below 35% - 15819.0 T 35% to below 45% - 13280.5 T 46% and above - 00.00 T Total 30503T	
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	No	No	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			

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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)	NA (UG working)	Nil
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
8g	Survival rate	Not specified	approx 80% as per provided records
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		

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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 from Apr-18 to Mar-19 and AR of 2018-19 are to be submitted	MR from Apr-18 to Mar-19 and AR of 2018-19 are to be submitted
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Shri J. P. Yadav Mine Manager, appointment - 25/01/2002 Shri M.S. Anuragi Mining Engineer , appointment - 05/10/2012 Shri Himanshu Churhe Geologist, appointment - 17/12/2015
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Pits and trenches - 2.9511 Ha. Dumps of waste And Overburden/ Sub grade or Mineral reject Ha. - 5.3512 +3.8685 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	Yes	226 plants
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Yes	below 10%
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	as per AR
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Yes	as per AR
9h	Scrutiny of Annual return on fixed assets	Yes	as per AR

9k	Scrutiny of Annual return on mining machineries	Yes	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

**Date :**

**(NARESH KUMAR KATARIYA)**

Indian Bureau of Mines