

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

MCDR inspection REPORT

Nagpur regional office

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

Mine code : 40MPR01074

- (i) Name of the Inspecting : **KQ14**) **NARESH KUMAR KATARIYA**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : S/Sh B.S. Setty (Mine Manager) , P.L. Uikey (M. Engr)
Official with
Designation
- (iv) Date of Inspection : 07-MAR-20
- (v) Prev.inspection date :

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

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 :
Plan/Scheme of Mining

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		111- 32636 T 121 -31700 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	MI (KI-3) MI-2 DRIVE/X-CUT WINZE/RAISE	MI (KI-3) MI-2 DRIVE/X-CUT WINZE/RAISE	
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	Nil	Nil	
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	Two	Two	
3b	Quantity of ROM mineral production proposed	10338 MT	4237 MT	
3c	Recovery of sailable/usable mineral from ROM production	90%	Approx. 90 % as per provided records	
3d	Quantity of mineral reject generation	517 MT	1433 MT	
3e	Grade of mineral rejects generation and threshold value declared.	Below 10%	Below 10%	
3f	Quantity of sub grade mineral generation.	517 MT	907MT	
3g	Grade of sub grade mineral generation	10% TO 20%	10% TO 20%	

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	Yes
3k	Provision of mining machineries in mineral benches	Not 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	PROPOSED 3492T 8925T 10338T 10338T	ROM ACTUAL ROM 1366.50T 4007.00T 2556.00T 4237.00T

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.	The method of stoping is by retreating method of flat back cut and fill stoping with sand and waste as fill material.	Method is suitable .
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Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	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	Nil	Nil	
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. No waste dump management at surface.
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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	667m2 (stoped out area)	667m2 (stoped out area)	
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.			

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	NOT SUBMITTED	Violation pointed out for the same.

6b	Area available for rehabilitation (ha) .	NA	NA
6c	afforestation done (ha).	NA	NA
6d	No. of saplings planted during the year	NA	NA
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
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	667m2 (stoped out area)	667m2 (stoped out area)
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	667m2 (stoped out area)	667m2 (stoped out area)
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation 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	
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 not 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	10338 MT	4074 MT	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual
7c	Different grade of mineral sorted out at mines.	+20%mn to +38%mn	+20%mn to +38%mn
7d	Any beneficiation process at mines .	Not proposed	NA
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	NA	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	

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			No disturbance on surface only UG mine working on progress.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MR and AR submitted for the year 2018-19	MR and AR submitted for the year 2018-19	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	B.S. Shetty mine manager P.L.UikeY , mining engineer R.K. Nageshwar Geologist	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NA	NA
9d	Scrutiny of Annual return on afforestation	NA	NA
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	517 MT	1433MT
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

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 26(2)	16-APR-20			
MCDR17	Rule 31(1)	16-APR-20			
MCDR17	Rule 33	16-APR-20			

Date :

(NARESH KUMAR KATARIYA)

Indian Bureau of Mines