

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

MCDR INSPECTION REPORT

Nagpur regional office

Mine file No : MP/BGT/MN-64/NGP

Mine code : 40MPR01062

- (i) Name of the Inspecting : **D025**) **S. M. DORLE**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 12/05/2016
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SONEGAON**
- (b) **Registration NO.** :
- (c) **Category** : B Manual
- (d) **Type of Working** : Opencast
- (e) **Postal address**
State : MADHYA PRADESH
District : BALAGHAT
Village : SONEGAON
Taluka : TIRODI
Post office : KATEDHARA
Pin Code :
FAX No. : 07182251237
E-mail : kdigondia@hotmail.com
Phone : 07182251884
- (f) **Police Station** :
- (g) **First opening date** : 19/03/2012
- (h) **Weekly day of rest** : MON
2. **Address for correspondance** :
3. (a) **Lease Number** : MPR2414
- (b) **Lease area** : 5
- (c) **Period of lease** : 20
- (d) **Date of Expiry** : 23/02/2032
4. **Mineral worked** : MANGANESE ORE Main

5. Name and Address of the

Lessee : DINESH DEVENDRALAL AGRAWAL
VIJAY NAGAR, BALAGHAT ROAD
GONDIA GONDIA MAHARASHTRA
Phone:07182251884
FAX :07182251237

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	27/12/2011
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	10/05/2013

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	Balaji Borevel, Balaghat	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20	27305 MT	As per proposal	
1f	General remarks of inspecting officers on geology, exploration etc			No backlog

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Nil	Nil	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	To be prepared 5 m average height	As per proposal	
2c	Stripping ratio or ore to OB ratio	Nil	NA	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	128080 m3	As per proposal	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No development
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One Pit Proposed	As per proposal	
3b	Quantity of ROM mineral production proposed	23266 MT	3591 MT	
3c	Recovery of sailable/usable mineral from ROM production	75%	-	
3d	Quantity of mineral reject generation	5712 MT	As per proposal	
3e	Grade of mineral rejects generation and threshold value declared.	Below 35%	Nil	
3f	Quantity of sub grade mineral generation.	Nil	NA	
3g	Grade of sub grade mineral generation	Below 25%	As per proposal	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	As per proposal	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	
3j	Provision of drilling and blasting in mineral benches	Proposed	As per proposal	

3k	Provision of mining machineries in mineral benches	Nil	NA	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	
3m	Total area covered under excavation/pits	Yes	Yes	
3n	Ore to OB ratio for the pit/mine during the year.	1:1.88 to 1:1.69	As per proposal	
3o	Total area put in use under different heads at the end of year	1.705 Hect	As per proposal	
3p	Production of ROM mineral during the last five year period as applicable	23266 MT	3595 MT	
3q	General remarks of inspecting officers on method of mining etc.			Opencast method of mining adopted as describe in mining plan. Production target not achive due to present market demand

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumps are to be set	Nil	
4b	Location of topsoil, OB and mineral reject dumps	Nil	Nil	
4c	Number of dumps within lease area and outside of lease area	10 Nos	12 Nos.	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	In western and eastern side of area	As per proposal	
4e	Number of active and alive dumps.	Nil	4 Nos	
4f	Number of dead dumps.	Nil	3 Nos	
4g	Number of dumps established.	Nil	3 Nos	
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management			No solid waste utilisation at this stage

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.	Nil	Nil	
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)	For plantation	As per proposal	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No backfilling stage

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	Nil	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	Nil	Nil	
6d	No. of saplings planted during the year	Nil	Nil	
6e	Cumulative no .of plants	Nil	Nil	
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch and care during the year	Nil	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Nil	Nil	
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	Nil	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Nil	Nil	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No compliance of backfilling

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Yes	Yes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	

7c	Different grade of mineral sorted out at mines.	For Ferro Alloys 40-44% For Blast Furnaces 28% (Av)	As per proposal	
7d	Any beneficiation process at mines .	Nil	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Nil

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Topsoil not generated	Nil	
8b	Concurrent use or storage of topsoil	Plantation	As per proposal	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Dump Kept in NW -SE direction of the pit	As per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Should be used for the reclamation of mines pit.	As per proposal	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	NA	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	400 nos of plants are to be plant every year	100 nos of plants are to be plant every year	
8g	Survival rate	50%	50%	
8h	Water sprinkling on roads to control airborne dust	Sprinkling required for the plantation	It is being done	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			No special comment offered

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted upto -Jan 2016 A.R. submitted upto -2014-2015	It is found that most of the columns are filled up more or less correctly.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given		
9d	Scrutiny of Annual return on afforestation	Given		
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not Given	Nil	

9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given			
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given			
9h	Scrutiny of Annual return on fixed assets	Given			
9k	Scrutiny of Annual return on mining machineries	Not given	Nil		It is found that most of the columns are filled up more or less correctly.

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

Date :
(S. M. DORLE)

Indian Bureau of Mines