

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

MCDR INSPECTION REPORT

Nagpur regional office

Mine file No : MAH/NAG/MN- 305/NGP

Mine code : 40MSH14027

- (i) Name of the Inspecting : **D025**) **S. M. DORLE**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : QP Shri Waghmare and Shri Kaistha, Agent.
Official with
Designation
- (iv) Date of Inspection : 04/01/2018
- (v) Prev.inspection date : 02/03/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **KIRANAPUR (23.67)HECT.**
- (b) **Registration NO.** : **IBM/8864/2012**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : MAHARASHTRA
- District : NAGPUR
- Village : KIRANAPUR
- Taluka : SAONER
- Post office : KOTURNA
- Pin Code : 441101
- FAX No. :
- E-mail :
- Phone :
- (f) Police Station :
- (g) First opening date : 14/05/2003
- (h) Weekly day of rest : SUN
2. Address for : M/S VEET RAG HOMES PVT.LTD.
correspondance : 267,GANESH PHADNAVIS BHAVAN,DHARAMPETH,
NAGPUR
3. (a) Lease Number : MSH0294
- (b) Lease area : 23.67
- (c) Period of lease : 50
- (d) Date of Expiry : 07/04/2053
4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the

Lessee : M/S VEET RAG HOMES PVT. LTD.
 267, Ganesh Phadanavis
 Bhavan, Near Trikoni Park
 Dharampeth, Nagpur NAGPUR
 MAHARASHTRA
 Phone:
 FAX :

Owner : SHRI SHAKTI KUMAR M.SANCHETI
 267,GANESH PHADNAVIS
 BHAVAN, NEAR TRIKONI PARK,
 DHARAMPETH, NAGPUR -10
 NAGPUR MAHARASHTRA
 Phone:
 FAX :

Mining Engineer

Name : SHRI S.K. SINGH,Full Time
 Qualification : BE(MINING)
 Appointment/ : 10/04/2004
 Termination date

Mining Engineer

Name : SHRI SHAHID K. BAIG,Full Time
 Qualification : DIMPLOMA IN MINING AND MINE SURVEYING
 Appointment/ : 13/05/2004
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	20/03/2003
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	04/03/2005
	:	Mining Scheme rule 12 MCDR1988	03/03/2009
	:	Mining Scheme rule 12 MCDR1988	10/07/2013

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	23.67 Hect.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	S.S.Exploration and allied services, expenditure about 9.75 lakh.	
1e	Balance reserve as on 01/04/20	Reserves 3,50,055 MT	Reserves 3,50,055 MT	
1f	General remarks of inspecting officers on geology, exploration etc			Mine is of temporary discontinued.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	North and south side of lease	As per proposal	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed separate benches in topsoil, overburden and mineral	As per proposal	
2c	Stripping ratio or ore to OB ratio	Proposed stripping ratio or ore to OB ratio is 1:10	stripping ratio or ore to OB ratio is 1: 8	
2d	Quantity of topsoil generation in m3	Not proposed	Not Applicable	
2e	Quantity of overburden generation in m3	Proposed quantity of overburden generation is 56860 m3	Quantity of overburden generation in 50000 m3	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Presently work is discontinued due to want of EC
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One of pits proposed for production	As per proposal	
3b	Quantity of ROM mineral production proposed	12240 MT	Nil	
3c	Recovery of salable/usable mineral from ROM production	Recovery of salable/usable mineral from ROM production is proposed 60%	As per proposal	
3d	Quantity of mineral reject generation	Quantity of mineral reject generation is 35%	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Grade of mineral reject generation and threshold value declared is 35%	Not applicable	
3f	Quantity of sub grade mineral generation.	Not proposed	Not applicable	
3g	Grade of sub grade mineral generation	Nil	Not Applicable	
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	Not Applicable.	

3j	Provision of drilling and blasting in mineral benches	Proposed with 3 m depth holes	As per proposal	
3k	Provision of mining machineries in mineral benches	Proposed	As per proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed	As per proposal	
3m	Total area covered under excavation/pits	38700 sq m	as per proposal	
3n	Ore to OB ratio for the pit/mine during the year.	1:8	Nil	
3o	Total area put in use under different heads at the end of year	Total 63400 sq M	As per proposal	
3p	Production of ROM mineral during the last five year period as applicable	2012-13--23040 ROM		Clean Ore 2012-13-15100 MT 7493 MT 2013-14- 6800 MT 3431 MT 2014-15 15200 MT 7250 MT 2015-16 500 MT 247 MT
3q	General remarks of inspecting officers on method of mining etc.			Presently mines is temporarily discontinued

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed	As per proposal	

4b	Location of topsoil, OB and mineral reject dumps	East, West and North lease 7.5 m lease boundary	East and west lease 7.5 m lease boundary	
4c	Number of dumps within lease area and outside of lease area	3 dumps proposed within dump	As per proposal	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	East, west and north lease boundary	As per proposal.	
4e	Number of active and alive dumps.	2 Nos.	2 Nos.	
4f	Number of dead dumps.	1 no.	1no.	
4g	Number of dumps established.	One	One	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed	Not Applicable	
4i	Length of Retaining wall or garland drain all along dumps	Not Applicable	Nil	
4j	Number of settling ponds	One	One	
4k	Specific comments of inspecting officer on waste dump management			Mine is temporary discontinued.

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.	The entire area will be backfilled concurrently after fully extraction of Mineral	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)	Nil	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The backfilling stage has not come yet

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	Not Applicable	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Not Applicable	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	Not Applicable	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Not Applicable	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Proposed	As per proposal	

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	1 hect waste land area proposed for rehabilitation	As per proposal	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	not Applicable	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring is being carried out in accordance with Environment Clearance/ Consent to Operate and regular Environment Statement is being submitted to MPCB.	Not done	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			No work of PMCP has been done at present

Mineral Conservation:

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

7c	Different grade of mineral sorted out at mines.	a) Below 25% Mn b) 25% to below 35% Mn c) 35% to below 46% Mn	As per proposal	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No work at present as mine is temporary discontinued.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not given	Presently no topsoil generation	
8b	Concurrent use or storage of topsoil	Nil	Not applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	As per proposal	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not given	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	The entire ore bearing area will be backfilled concurrently after fully extraction of ore	Not started.	

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Given	Around 50 trees planted	
8g	Survival rate	Not given	50%	
8h	Water sprinkling on roads to control airborne dust	Not given	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mines area is good

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual return submitted regularly		Most of the columns filled found correct

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 26(2)	24/01/2018			
MCDR17	Rule 28(1)	24/01/2018			

Date :

(S. M. DORLE)

Indian Bureau of Mines