

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

Review and updation of Mining Plan REPORT

Goa regional office

Mine file No : MAH/SDG/FE-21/GOA

Mine code : 30MSH28012

- (i) Name of the Inspecting : **K07**) **KRISHNENDU CHATTERJEE**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : **SHRI. VICTOR T.FERNANDES, TQP**
Official with
Designation
- (iv) Date of Inspection : 09-MAR-20
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **REDI**
- (b) **Registration NO.** : **IBM/6218/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : MAHARASHTRA
District : SINDHUDURG
Village : REDI
Taluka : VENGURIA
Post office : REDI
Pin Code : 416517
FAX No. : 02223645046
E-mail : nimco.redi@yahoo.com
Phone : 02223636207; 9423055375
- (f) Police Station :
- (g) First opening date : 18-AUG-80
- (h) Weekly day of rest : SUN
2. Address for : VILLAGE - REDI,
correspondance : TALUKA - VENGURLA,
DISTRICT - SINDHUDURG.
3. (a) Lease Number : MSH0054
- (b) Lease area : 27.45
- (c) Period of lease : 50
- (d) Date of Expiry : 20-AUG-29
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : MINERALS AND METALS
32, ASHUTOSH, NEPEAN SEA
ROAD, MUMBAI GREATER BOMBAY
MAHARASHTRA
Phone:
FAX :

Owner : SANDEEP SRIVASTAVA
NIRMAL, 16th Floor NARIMAN
POINT GREATER BOMBAY
MAHARASHTRA
Phone: 022-22025893, 2
FAX : 022-22854417

Mining Engineer

Name : SHRI. VIJAY MADHAVRAO WAGHMARE, Full Time
Qualification : MINING ENGINEER
Appointment/ : 04-MAR-20
Termination date

Geologist

Name : MRS. ROSHEL FERNANDES, Full Time
Qualification : M.Sc. (GEOLOGY)
Appointment/ : 04-MAR-20
Termination date

Manager

Name : PRADOSH GOVIND GAONKAR
Qualification : DIPLOMA IN MINING ENGINEERING
Appointment/ : 04-MAR-20
Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Renewal under rule 24 MCR1960 23-APR-10

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	Nil	No RMP was submitted during five years block period from 2014-15 to 2018-19.
1b	Exploration over lease area for geological axis 1 or 2	No proposal	G1- 2.33 Ha. G2-2.46 Ha.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	Unexplored area under G3 level: 11.56 Ha.	
1e	Balance reserve as on 01/04/20		0.91 million tonnes of Iron Ore.	As on 01.04.2020
1f	General remarks of inspecting officers on geology, exploration etc		Total 18 nos. of core boreholes drilled in the ML area upto F.Y 2013-14 with cumulative depth of 835m.	

Development :

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

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The ML is having non-contiguous blocks viz. Block 1, Block 1A, Block 2 and Block 3. Block No. 1 and 1A of the ML area fall under CRZ area. Lease area is not broken up for mining so far. The lessee has applied for the grant of EC and CRZ clearances to MoEFCC on 10/03/2020.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No proposal	Nil	Lease area is not broken up for mining
3b	Quantity of ROM mineral production proposed	No proposal	Nil	
3c	Recovery of sailable/usable mineral from ROM production	No proposal	Nil	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	Nil	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3g	Grade of sub grade mineral generation	No proposal	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	Nil	During last approved Mining Plan dated 23.04.2010 mechanized mining was proposed.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Nil	

3j	Provision of drilling and blasting in mineral benches	No proposal	Nil	
3k	Provision of mining machineries in mineral benches	No proposal	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No proposal	Nil	
3m	Total area covered under excavation/pits	No proposal	Nil	Lease area is not broken up for mining so far.
3n	Ore to OB ratio for the pit/mine during the year.	No proposal	Nil	
3o	Total area put in use under different heads at the end of year	No proposal	Nil	
3p	Production of ROM mineral during the last five year period as applicable	No proposal	No production reported during last five years.	
3q	General remarks of inspecting officers on method of mining etc.		Non-commencement of mining operation is due to lack of statutory clearances.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal	Nil	
4b	Location of topsoil, OB and mineral reject dumps	No proposal	Nil	
4c	Number of dumps within lease area and outside of lease area	No proposal	No dump made by the lessee within or outside the ML area.	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Nil
4e	Number of active and alive dumps.	No proposal	Nil
4f	Number of dead dumps.	No proposal	Nil
4g	Number of dumps established.	No proposal	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Not Applicable.
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Not Applicable.
4j	Number of settling ponds	No proposal	Not Applicable.
4k	Specific comments of inspecting officer on waste dump management		Lease area is not broken up for mining and allied activities so far. The lessee has applied for the grant of EC and CRZ clearances to MoEFCC on 10/03/2020.

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.	No proposal	Nil	
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Nil	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	

5e	General remarks of inspecting officers on backfilling and reclamation etc.	ML is not matured for backfilling since mineral persists in the lease hold area.
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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).	No proposal	Nil	
6b	Area available for rehabilitation (ha) .	No proposal	Not applicable.	
6c	afforestation done (ha).	No proposal	Nil	
6d	No. of saplings planted during the year	No proposal	Nil	
6e	Cumulative no .of plants	No proposal	Nil	
6f	Any other method of rehabilitation	No proposal	Not applicable.	
6g	Cost incurred on watch and care during the year	No proposal	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Not applicable.	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Not applicable.	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	No proposal	Not applicable.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not applicable.
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal	Not applicable.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal	Not applicable.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal	Not applicable.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal	Not applicable.
6p	Compliance of environmental monitoring (core zone and buffer zone)	No proposal	Not applicable.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		PMCP compliance & progressive closure operations is not applicable as of now since lease area is not broken up for mining so far.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal	Nil	No mine production reported
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Nil	
7c	Different grade of mineral sorted out at mines.	No proposal	Nil	
7d	Any beneficiation process at mines	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			The ML was executed on 21.08.1979. No mine production is reported since then due to lack of statutory clearances.

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Nil	No RMP was submitted/approved during five years block period from 2014-15 to 2018-19.
8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not applicable.	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Not applicable.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposal	During last approved mining plan dated 23.04.2010 (validity period 2009-10 to 2013-14) 7.7 Ha. plantation programme proposed with local tree species which was not materialized.
8g	Survival rate	No proposal	Not applicable.
8h	Water sprinkling on roads to control airborne dust	No proposal	Not applicable.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		There is no change in aesthetic beauty in and around mines area as the lease is not broken up for mining.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Nil M.R. Submitted up to July. 2020 & Nil A.R. Submitted up to 2019-2020	Non-commencement of mining operation is due to lack of statutory clearances.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Mr. Vijay M. Waghmare Geologist: Mrs. Roshel Fernandes Manager: Mr. Pradosh Govind Gaonkar	Mining Engineer: Mr. Vijay M. Waghmare Geologist: Mrs. Roshel Fernandes Manager: Mr. Pradosh Govind Gaonkar	Appointments of Mining Engineer, Geologist and Manager were w.e.f. 04.03.2020, From H submitted.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Furnished as Nil	Lease area is not broken up for mining and allied activities so far.
9d	Scrutiny of Annual return on afforestation	Furnished as Nil	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Furnished as Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Furnished as Nil	No ROM stock or graded ore stock present in the ML area.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Furnished as Nil	Nil
9h	Scrutiny of Annual return on fixed assets	Furnished as Nil	Nil
9k	Scrutiny of Annual return on mining machineries	Furnished as Nil	No mining machineries present within ML area.

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 :

(KRISHNENDU CHATTERJEE)

Indian Bureau of Mines