

**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-42/GOA

Mine code : 30MSH28028

- (i) Name of the Inspecting : **R\$01**) **R.S.SAUDAGAR**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri Avinash Morey,QP,Shri Vinit Bandivadekar,Owner
Official with
Designation
- (iv) Date of Inspection : 04-May-22
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **TALAVANE**
- (b) **Registration NO.** : **IBM/6218/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : MAHARASHTRA
District : SINDHUDURG
Village : SATARDA
Taluka : SAWANTWADI
Post office : SATARDA
Pin Code : 416514
FAX No. :
E-mail :
Phone : 02366 268272
- (f) Police Station :
- (g) First opening date : 13-Dec-17
- (h) Weekly day of rest : SUN
2. Address for : M/s Minerals & Metals
correspondance : P.O.Redi Via Sawantawadi
Dist: Sindhudurg. M.S
3. (a) Lease Number : MSH0091
- (b) Lease area : 191.85
- (c) Period of lease : 10
- (d) Date of Expiry : 16-Feb-06
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

Agent : MANOJ THAKUR
 WSH 4,W BLOCK,SUNSET
 BOULVARD, ALTO DHULER,
 MAPUSA-GOA SINDHUDURG
 MAHARASHTRA
 Phone: 0832-2253864, 9769111533
 FAX : 832-2253863

6. Date of approval of Mining	:	Renewal under rule 24 MCR1960	22-Jun-07
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	10-Mar-14
		MP modif under 17(3) MCR 2016	17-Feb-17

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	2017-18 to 2021-22 proposed to drill 53 Boreholes with 2650 meterage	2017-18 to 2021-22 drilling carried out 65 Boreholes with 2698 meterage.	
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	Balance area to be explored is 27.62 Ha	
1e	Balance reserve as on 01/04/20	Nil	Balance reserve is 0.3 7Million Tonnes.Grade 45% Fe	
1f	General remarks of inspecting officers on geology, exploration etc			Exploration has been carried out as mentioned above .Party intends to explore balance area of 27.62 ha.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	1743730N to 1743880N , 365580E to 365855E .	Development carried out in the same area as proposed.Mining operations in the mine is suspended W.E.F 28.10.2021	Mining operations in the mine is suspended vide this office letter No. 28.10.2021 for non compliance of Rules 11(1),26(2), & 35(2) of MCDR,2017.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No top soil. Separate benches in overburden and ore proposed.	No top soil. Separate benches in overburden and ore are made.	

2c	Stripping ratio or ore to OB ratio	1:0.5	1:6.58 Production during FY 2021-22 is reported for April 2021 and May 2021.	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	50448 Cu. M	83095 Cu. M	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mining development is not carried out as per proposal since mining operations in the mine has been suspended vide this office letter dated 28.10.2021.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Single Pit	Single Pit	
3b	Quantity of ROM mineral production proposed	2,00,000 Tonnes proposed in 2021-22	26,500 Tonnes achieved in 2021-22	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	
3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Nil	
3j	Provision of drilling and blasting in mineral benches	Not Proposed	No drilling & Blasting	
3k	Provision of mining machineries in mineral benches	Excavator &Dumper Combination	Excavator &Dumper Combination	
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	14.1743 Ha	14.2 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.52	1:6.58	
3o	Total area put in use under different heads at the end of year	23.9783 Ha	About 23.6386 Ha	
3p	Production of ROM mineral during the last five year period as applicable	Year ROM (Ton) 2017-18 200000 2018-19 199250 2019-20 198750 2020-21 200000 2021-22 200000	Year (Ton) 2017-18 2018-19 2019-20 2020-21 2021-22	ROM 199200 164595 199500 199500 26500
3q	General remarks of inspecting officers on method of mining etc.			Mining operations in the mine has been suspended vide this office letter dated 28.10.2021

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Only waste dump is proposed	waste dumping is carried out separately.
4b	Location of topsoil, OB and mineral reject dumps	No proposal	Nil
4c	Number of dumps within lease area and outside of lease area	One WML	One WML
4e	Number of active and alive dumps.	One active dump	One active dump
4f	Number of dead dumps.	Nil	Nil
4g	Number of dumps established.	One	One
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes
4i	Length of Retaining wall or garland drain all along dumps	1. Retaining Wall: 300Mx 2Mx1M 2. Garland drain: 300Mx1M x1M	Nil
4j	Number of settling ponds	10Mx5Mx2M , 2 Nos.	Nil
4k	Specific comments of inspecting officer on waste dump management		Mining operations in the mine is suspended vide this office letter No. 28.10.2021.

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 in 2021-22	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)	Nil	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No backfilling proposal in the year 2021-22.

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).	To be submitted	AR not submitted for 2021-22.	Mining operations in the mine has been suspended vide this office letter dated 28.10.2021.
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	No proposal	Nil	
6e	Cumulative no .of plants	Not specified	3200	
6f	Any other method of rehabilitation	None	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal during 2021-22	Nil during 2021-22.	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	Not specified	Nil	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	1 Ha	About 1 Ha	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	None	Nil	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not proposed	NA	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not Proposed	NA	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed	NA	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed.	Nil.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			PMCP works i.e. Backfilling /Reclamation and rehabilitation works are observed lagging than envisaged. Violation was already pointed out in this regard and Mining operations in the mine is suspended vide this office order dated 28.10.2021.

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Gradewise sorting with in lease area	Gradewise sorting with in lease area	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines.	Yes	yes	
7d	Any beneficiation process at mines	Not proposed	Only Dry screening and Crushing being done.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Mining operations in this mine is suspended vide this office letter dated 28.10.2021

Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumps for OB/waste and fines .	Separate dumps for OB/waste and fines maintained.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Yes	Backfilling /reclamation carried out in Block II.	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal during 2021-22	Backfilling /reclamation was carried out in Block-II	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No proposal	About 2000 Nos. of saplings reported planted during 2020-21.	
8g	Survival rate	-	About 65%.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mine area is good.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Party has not submitted AR for the year 2021-22.		Mining operations in the mine has been suspended vide this office letter dated 28.10.2021.

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 :

(R.S.SAUDAGAR)

Indian Bureau of Mines