

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

MCDR inspection REPORT

Goa regional office

Mine file No : MAH/SDG/FE-42/GOA

Mine code : 30MSH28028

- (i) Name of the Inspecting : P01) PREM PRAKASH
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : SHRI. PRASAD REDDY, AGENT
Official with
Designation
- (iv) Date of Inspection : 11-MAY-18
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : TALAVANE
- (b) **Registration NO.** :
- (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 :
- (f) **Police Station** :
- (g) **First opening date** :
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : NEW INDIA MINING CORPORATION PVT LTD
MINES OFFICE,AT & POST REDDI
TQ: VENGURLA,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

Mining Engineer
 Name : MR. M.VENKATARAVANAPPA,Full Time
 Qualification : DIPLOMA IN MINING 1st class unrestricte
 Appointment/ : 30-SEP-13 31-JUL-16
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Renewal under rule 24 MCR1960	22-JUN-07
		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	11 boreholes Proposed (550 mt. drilling proposed) in 2017-18	5 no. Of dth borehole drilled. (202 mt total drilling)	Violation issued for shortage in exploration
1b	Exploration over lease area for geological axis 1 or 2	Proposed to drill at proposed waste dumping area.	No ore body reported detected in this area & area is used for waste dumping as per scheme	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	--	141400 Rs.	
1d	Balance area to be explored to bring Geological axis in 1 or 2			
1e	Balance reserve as on 01/04/20	--	--	0.99 mill. Te as on 12.11.2016
1f	General remarks of inspecting officers on geology, exploration etc			Violation issued for less exploration carried out.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	As shown over the development & production Plan for FY 2017-18	Location of development is almost as proposed in approved Plan	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No top soil, Separate benches in overburden as well as in ore Proposed	No top soil, Separate benches are made in overburden as well as in ore	
2c	Stripping ratio or ore to OB ratio	1:9.85	1:5.5	Violation issued for less development/ Stripping ratio achieved.

2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	785130 CU. MTS.	438250 CU. MTS	From Stripping ratio achieved, it is evident that development (OB/waste removal) is lagging substantially. Violation issued for the same.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	ONE	ONE	
3b	Quantity of ROM mineral production proposed	199250 M.T.	199200 M.T.	
3c	Recovery of sailable/usable mineral from ROM production	100 %	100 %	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	-	-	threshold value is declared as 45 % fe grade
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Machanised Crushing & screening	Machanised Crushing & screening	

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	NIL	NIL	
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	6mX8m PROPOSED	yes	
3m	Total area covered under excavation/pits	FOR FIVE YEARS IT IS PROPOSED TO EXVAVATE 9.18 Ha	About 3.6 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:9.85	1:5.5	
3o	Total area put in use under different heads at the end of year	FOR 5 YEAR EXCAVTION-9.18 Ha. DUMPING -10.00 Ha. ROAD-1.5 Ha	FOR YEAR 2017-18 EXCAVATION-3.6 Ha DUMPING-2.6 Ha ROAD -1.5 Ha	Approx.
3p	Production of ROM mineral during the last five year period as applicable	FOR YEAR 2017-18 199250 M.T. PROPOSED.	FOR YEAR 2017-18 199200 M.T. ACHIEVED.	No mining reported carried out before 2017-18
3q	General remarks of inspecting officers on method of mining etc.			Mechanized open cast mining being carried out with Excavator & dumper combination

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	Only waste dumping carried out	
4b	Location of topsoil, OB and mineral reject dumps	In year 2017-18, disposal of waste proposed at northern part of ML near to BP1-7	At northern part of ML near to BP1-7, one waste dump was made of about 25m height without terracing.	Another waste dump was also made near to Boundary pillars BP-7 to BP-8 at non-approved area.
4c	Number of dumps within lease area and outside of lease area	Lease area = ONE Non Lease area = N.A.	Lease area = Two Non Lease area =N.A.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No	Part of one waste dump was within UPL	
4f	Number of dead dumps.	-	-	
4g	Number of dumps established.	-	-	
4h	Whether Retaining wall or garland drain all along dumps are there.	yes	No	
4i	Length of Retaining wall or garland drain all along dumps	776 MTS.	Nil	
4j	Number of settling ponds	2 Nos.	Nil	
4k	Specific comments of inspecting officer on waste dump management			Violation issued for not carried out waste disposal and retaining wall/stone wall, drains, settling pond etc. along the periphery of dump, as proposed in approved MMP.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Back-filling Not proposed	NA	
5b	Area under backfilling of mined out area	-	-	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	--	NA	
5d	Total area fully reclaimed and rehabilitated	--	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Backfilling is not proposed in 2017-18.

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).	--	Not submitted for 2017-18 till the date of inspection	Due date of submission is before 1st July.
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	1000 no. Of sapling proposed towards dump management.	NIL	Mining started from Dec.2017 only; No plantation work carried out.
6p	Compliance of environmental monitoring (core zone and buffer zone)	--	Regular environmental Monitoring has been carried out by third party	By m/s sadekar enviro engineers pvt. ltd.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not complied, however Mining started in FY 2017-18 from Dec.2017 only.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting	Grade wise sorting	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	MACHANICAL	MACHANICAL	
7c	Different grade of mineral sorted out at mines.	yes	yes	
7d	Any beneficiation process at mines	--	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Grade wise sorting of ore has been carried out by crushing/screening

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)	yes	Separate dump for overburden & fines maintained	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	--	--	
8g	Survival rate	--	NA	
8h	Water sprinkling on roads to control airborne dust	PROPOSED	Water sprinkling on roads being carried out By Two water tankers/sprinklers	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Two water tankers/sprinklers have been deployed for dust suppression

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Being submitted; A.R. was not submitted for FY 2017-18 till the date of Inspection, due date of submission is before 1st July.	Mine was not operational in FY 2016-17, started in Dec.2017 itself.

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 11(1)	30-MAY-18			
MCDR17	Rule 20	30-MAY-18			
MCDR17	Rule 27(2)	30-MAY-18			
MCDR17	Rule 46(a)	30-MAY-18			

Date :

(PREM PRAKASH)

Indian Bureau of Mines