

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

**MCDR inspection REPORT**

**Goa regional office**

**Mine file No :** MAH/SDG/FE-6/GOA

**Mine code :** 30MSH28004

- (i) Name of the Inspecting : P01 ) PREM PRAKASH  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : SHRI. P. SREENIVASRAO, MINES MANAGER  
Official with  
Designation
- (iv) Date of Inspection : 06-NOV-19
- (v) Prev.inspection date : 04-JAN-19

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : REDI BLOCK I 94.70.60HECT
- (b) **Registration NO.** :
- (c) **Category** : A Fully Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : MAHARASHTRA
- District : SINDHUDURG
- Village : REDI
- Taluka : VENGURLA
- Post office : REDI
- Pin Code : 416517
- FAX No. : 0831-2426487
- E-mail : gogteminerals@yahoo.com
- Phone : 0831-2407756
- (f) **Police Station** : Redi
- (g) **First opening date** : 01-JAN-58
- (h) **Weekly day of rest** : SUN
2. **Address for correspondance** : VILLAGE - REDI,  
TALUKA - VENGURLA,  
DISTRICT - SINDHUDURG
3. (a) **Lease Number** : MSH0040
- (b) **Lease area** : 94.71
- (c) **Period of lease** : 14
- (d) **Date of Expiry** : 31-MAR-20
4. **Mineral worked** : IRON ORE Main

## 5. Name and Address of the

Lessee : GOGTE MINERALS  
 Arvind B. Gogte GOGTE  
 MINERALS 146, TILAKWADI,  
 BELGAUM KARNATAKA  
 Phone:0831-2426487  
 FAX :0831-2426487

Owner : ARVIND B. GOGTE  
 GOGTE MINERALS 146,  
 TILAKWADI, BELGAUM  
 KARNATAKA  
 Phone: 0831-2426487  
 FAX : 0831-2426487

Agent : D. R. VAZE  
 Cidade de Goa, Dona Paula,  
 Goa NORTH GOA GOA  
 Phone: 0832-2454575, 9850477966  
 FAX : 0832-2454575

## Mining Engineer

Name : R. Purushothaman, Full Time  
 Qualification : B. E. (Mining)  
 Appointment/ : 14-AUG-12  
 Termination date

## Geologist

Name : Victor Fernandes, Full Time  
 Qualification : M.Sc. In Geology  
 Appointment/ : 01-NOV-13  
 Termination date

## Manager

Name : Ravindra Nipane  
 Qualification : BE Mining First class certificate  
 Appointment/ : 07-DEC-13  
 Termination date

6. Date of approval of Mining	:	Renewal under rule 24 MCR1960	27-JUL-07
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	25-FEB-13
		MP modif under MCR 1960	19-JAN-16

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Exploration proposed for the year 2016-17, 2017-18 and 2018-19, to the extent of 17 Boreholes	09 Boreholes reported carried out so far.	Violation being issued for less exploration carried out.
1b	Exploration over lease area for geological axis 1 or 2	Total meterage of drilling proposed =1275 m	Total meterage drilled of 609.5 m so far	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	--	In house about Rs. 5.92 lakh	
1d	Balance area to be explored to bring Geological axis in 1 or 2	--	About 12 (ha)	About 52 Ha ML area reported as Non-Mineralized
1e	Balance reserve as on 01/04/20	-	4.50million tonnes	(Total Reserves & Resources = 18.03 million tonnes)
1f	General remarks of inspecting officers on geology, exploration etc		Violation being issued for less exploration carried out than proposed.	

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N180 to N530 E40 to E380	N 150 to N500 & E 50 to E 390	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:2.76	1:3.18	
2d	Quantity of topsoil generation in m3	Nil	Nil	

2e	Quantity of overburden generation in m3	508500 m3 (1017000 tonnes)	584797 m3 (1169595 tonnes)	OB removal & Stripping ratio is in higher side, which may be considered positive in the interest of mineral/mine development.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Development/excavation observed lagging behind than proposed in the North-Western area of the Pit No.-203 as less development work was carried out in this part of the pit. Violation being issued for the same.	

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	368000 tonnes.	367962.63 tonnes.	
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.	NA	NA	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	NA	NA	

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.	No	No	
3j	Provision of drilling and blasting in mineral benches	Not proposed	Not done	
3k	Provision of mining machineries in mineral benches	yes	yes, shovel-dumper combination	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	benches of 6 m height and 8 to 10 m width	Regular pit benches of proposed height and width have not been maintained; pit slope failure observed at places.	Violation being issued for the same.
3m	Total area covered under excavation/pits	30.1530 ha. Proposed at the end of 5 years plan period.	About 30 ha.	
3n	Ore to OB ratio for the pit/mine during the year.	1:2.76	1:3.18	
3o	Total area put in use under different heads at the end of year	Excavation=30. 1530 ha, waste disposal=38.20 98 ha, Infrastructure & roads = 4.254 ha, others=3.9415 ha.	Excavation= 30.0ha, waste disposal= 27.968 ha, Infrastructure & roads = 4.387 ha, others=6.987 ha	Area put to use proposed at the end of the Mining Plan Period.
3p	Production of ROM mineral during the last five year period as applicable	2014-15= 3,68,000 tonnes 2015- 16= 3,68,000 tonnes 2016- 17= 3,68,000 tonnes 2017- 18= 3,68,000 tonnes 2018- 19= 3,68,000 tonnes	2014/15 = 3,67,212.95 tonnes 2015/16 = 3,67,928.41 tonnes 2016/17 = 3,67,530.03 tonnes 2017/18 = 3,67,845.76 tonnes 2018/19 = 3,67,962.63 tonnes	Production figure of ROM mineral during last five- year period given as reported in Annual Returns.

3q	General remarks of inspecting officers on method of mining etc.	Mechanized open cast mining method being followed with Excavator & dumper combination.
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### Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Yes	
4b	Location of topsoil, OB and mineral reject dumps	Within lease	Within lease	
4c	Number of dumps within lease area and outside of lease area	Within Lease = 5 Outside Lease =0	Within Lease = 5 Outside Lease = 0	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not within Ultimate Pit Limit	Not within Ultimate Pit Limit	
4e	Number of active and alive dumps.	4 (WML)	3 (WML)	
4f	Number of dead dumps.	--	01 No.	
4g	Number of dumps established.	--	04 nos.	1 old dump
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	400 mts.	404mts. (2961 mts. Cumulative)	
4j	Number of settling ponds	Nil	02 Nos.	
4k	Specific comments of inspecting officer on waste dump management		Waste dumping proposed in year 2019-20 in Northern in-situ part of Mining Lease area (North of existing Pit No. 203) has not been commenced so far. Violation being issued for the same.	

## 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)	NIL	NIL	
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Back-filling has not been proposed in approved MMP. Dumping after back-filling proposed in year 2017-18 in Patni Pit has been carried out.

## 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).	Has to be submitted before 31st July.	Not submitted	Violation being issued for the same.
6b	Area available for rehabilitation (ha) .	Not proposed	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	Not proposed	NA	

6m	Compliance of rehabilitation of waste land within lease (i)afforestation	(2018-19) : 13664 nos. plantation	20000 Nos. planted
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	8.54 Ha.	8.75 Ha.
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation	Plantation
6p	Compliance of environmental monitoring (core zone and buffer zone)	Regular Environment Monitoring Proposed	Regular Environment Monitoring being carried out in periodic basis.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Rehabilitation of waste dumps through Plantation has been carried out.

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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 within lease area	Grade wise sorting within 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	Dry Screening	Dry Screening only.	



7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Dry Screening being carried out for Grade wise sorting of ore.
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#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	NA	
8b	Concurrent use or storage of topsoil	Not proposed	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	yes	yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	--	about 79330 no.s of plantation carried out on slopes of Surface Dumps.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	--	Planation in 2018-19 - 20000 nos.; Planation Cumulative - 79330 Plants	
8g	Survival rate	--	About 70%	

8h	Water sprinkling yes on roads to control airborne dust	Water sprinkling on roads with three water tanker of 8k each capacity, Nevis Mist Spray and Sprinklers installed along the Main transport road
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Three water tankers/sprinklers are deployed for dust suppression. Aesthetic beauty in and around mines is good.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	--	MR Submitted up to = September2019, AR Submitted up to = 2018-19	Scrutiny of Annual return of FY 2018-19 was carried out and found in order.

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**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

**Date :**

**(PREM PRAKASH)**

Indian Bureau of Mines