

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

**Mining Plan Modification 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. AJIT S. NALAWADE, TQP  
Official with  
Designation
- (iv) Date of Inspection : 18-MAY-18
- (v) Prev.inspection date : 14-APR-17

**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 : gogtminerals@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** :
- (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		FMCP under 23C(1)	02-AUG-12
		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	05 BHs for 2016-17 & 05 BHs for 2017-18	04 BHs	Violation issued for less exploration carried out.
1b	Exploration over lease area for geological axis 1 or 2	Total meterage of Drilling-750m	Total meterage of Drilling-291m	Around 4(ha)
1c	Exploration Agencies and Expenditure in lakh rupees during the year	--	Inhouse; 5.23	
1d	Balance area to be explored to bring Geological axis in 1 or 2	--	About 27 (ha)	about 63 Ha reported as Non-Mineralized
1e	Balance reserve as on 01/04/20	--	4.87 million tonnes	Total Resources = 18.40 million tonnes)
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	N200 to N580 E00 to E410	N 160 to N580 & E-50 to E470	Almost
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:2.43	1:2.71	
2d	Quantity of topsoil generation in m3	447000 m3 (894000 te)	498832 m3 (997664te)	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Satisfactory

## 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 tons	367845.76 tons	
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.	--	--	
3j	Provision of drilling and blasting in mineral benches	--	NA	
3k	Provision of mining machineries in mineral benches	YES	YES	

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	30.1530 ha.	About 28 ha.	Proposed at the end of 5 years.
3n	Ore to OB ratio for the pit/mine during the year.	1:2.43	1 : 2.71	
3o	Total area put in use under different heads at the end of year	Excavation=30.1530 ha, waste disposal=38.2098 ha, Infrastructure & roads=4.254 ha, others=3.9415 ha.	Excavation=28.0937 ha, waste disposal=28.7112ha, Infrastructure & roads=4.2793 ha, others=8.3056ha.	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	2013-14=3,68,000 2014-15=3,68,000 2015-16=3,68,000 2016-17=3,68,000 2017-18=3,68,000	2013/14 =3, 67,704.02 tons 2014/15 =3,67,212.95 tons 2015/16 =3,67,928.41 tons 2016/17 =3,67,530.03tons 2017/18 = 3, 67,845.76 tons	Production for 2017/18 as reported during insp. A.R. was not submitted for FY 2017-18 till the date of Inspection, due date of submission is before 1st July.
3q	General remarks of inspecting officers on method of mining etc.			Mechanized open cast mining method being followed with Excavator & dumper combination.

#### 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	Lease area = 2 Non Lease area = 0	Lease area = 2 Non Lease area = 0	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No	No	
4e	Number of active and alive dumps.	2 Nos	2 Nos	
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	500 mts.	434mts.(2017-18); around 2500mts. (Cummulative)	
4j	Number of settling ponds	--	2 nos.	
4k	Specific comments of inspecting officer on waste dump management	--	Waste dumping at Pit No. 235 approved for year 2015-16 only up to 18 m height in stages with two no. of terraces. Whereas, it was observed that this dump has been made of about 25m height without any stages/terracing and further waste dumping has been continuing over the same. Violation issued for the same.	--

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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	
5b	Area under backfilling of mined out area	in Patni Pit	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 approved in Patni Pit has not been carried out. Instead, waste dumping continued at the East of Pit-203 at S. No. 50(old 184); by increasing its height more than approved by about 8 m. (proposed dump level-100m, attained dump level-about 108m). Violation issued for the same

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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).	Yes	Yes	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	13280 nos.	16400 Nos.	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	--	2.42 Ha	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation	Plantation	

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6p	Compliance of environmental monitoring (core zone and buffer zone)	Environment Monitoring Proposed	Monitoring being carried by third party i.e. Mineral Engineering Services
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		To check wash-off from dump at Pit No. 235, retention wall, garland drain, embankment etc. as approved along the periphery of the dump has not been constructed. Violation issued for the same.

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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.	<55% , >55 % Fe	<55% , >55 % Fe	
7d	Any beneficiation process at mines	Dry Screening	Dry Screening	
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
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8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA
8b	Concurrent use or storage of topsoil	NA	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	---	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	--	48530 plants on slopes of Surface Dumps
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	--	2017-18 - 16400 Plants Cumulative - 48530 nos.
8g	Survival rate	70-75%	70%
8h	Water sprinkling on roads to control airborne dust	Proposed	Being Done
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Two water tankers/sprinklers are deployed for dust suppression

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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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.	Scrutiny of Annual return of FY 2016-17 carried out during previous inspection of mine.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager			

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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
MCDR17	Rule 11(1)	31-MAY-18			

**Date :**

**(PREM PRAKASH)**

Indian Bureau of Mines