

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

Review and updation of Mining Plan REPORT

Goa regional office

Mine file No : Goa/Fe/45

Mine code : 30GOA01089

- (i) Name of the Inspecting Officer and ID No. : **K02) KALMATA M.K.**
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine Official with Designation : Shri Vivek P Navre, Qualified Person.
- (iv) Date of Inspection : 12-OCT-17
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MATTA & DANDO**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : GOA
- District : NORTH GOA
- Village : VELGUEM
- Taluka : BICHOLIM
- Post office : PALE
- Pin Code : 403105
- FAX No. : 0832-224834
- E-mail :
- Phone : 2372221, 2372271
- (f) Police Station :
- (g) First opening date :
- (h) Weekly day of rest : SUN
2. Address for correspondance : At & Po- Velguem
Tq- Bicholim
Goa- 403105
3. (a) Lease Number : GOA0061
- (b) Lease area : 48.44
- (c) Period of lease :
- (d) Date of Expiry : 22-NOV-27
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : D. B. Bandodkar & Sons Ltd
 Atmaram Commercial Compx.
 Dr. Atmaram Borkar Road
 Po.Box No- 271, Panaji
 NORTH GOA GOA
 Phone:372221,372271
 FAX :224834

Owner : M/s D.B. Bando... rep. by Mrs Sashikala Kakaodkar
 Atmaram CommercialComplex
 Dr. Atmaram Borkar road Po.
 Box. No.-271, Panaji NORTH
 GOA GOA
 Phone: 372221, 372271
 FAX : 224834

Mining Engineer

Name : RAM PRAKASH SONI, Full Time
 Qualification : AMIE
 Appointment/ : 28-FEB-01
 Termination date

Geologist

Name : Arunkumar S. Khot, Full Time
 Qualification : M.Sc. Applied Geology
 Appointment/ : 03-MAY-99
 Termination date

Geologist

Name : ARVIND N. NAGZIRKAR, Full Time
 Qualification : M.SC (GEOLOGY)
 Appointment/ : 14-FEB-02
 Termination date

Manager

Name : H.P. Nandey
 Qualification : Dip. in Mining, First Class MM Certifica
 Appointment/ : 03-JAN-00
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Renewal under rule 22 MCR1960	30-NOV-01
		Modif.of approved Mining Plan	02-SEP-04
		Mining Scheme rule 12 MCDR1988	03-JAN-06
		Renewal under rule 24 MCR1960	29-JAN-07
		Modif.of approved Mining Plan	01-MAY-12
		MP modif under 17(3) MCR 2016	03-MAY-17

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	08 boreholes were proposed in the year 2017-18.	During inspection it was observed that exploration was not started due to EC was kept in abeyance.	
1b	Exploration over lease area for geological axis 1 or 2	3.00ha	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year		Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	3.00ha	Nil	
1e	Balance reserve as on 01/04/20		Reserves- 1978696 tonnes Resources- 5939130 tonnes	
1f	General remarks of inspecting officers on geology, exploration etc		There was a proposal to drill 08 boreholes in the year 2017-18. Since EC was kept in abeyance the exploration was not started.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	yes	Nil	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	yes	Nil	
2c	Stripping ratio or ore to OB ratio	1:4.76	Nil	Mine is not working due to EC kept in abeyance.
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	383900	Nil	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No development work has been carried out. since the mine is not working due to EC is kept in abeyance.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	Nil	
3b	Quantity of ROM mineral production proposed	2,25000 tons	Nil	
3c	Recovery of sailable/usable mineral from ROM production	90%	Nil	
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	Mechanical	Nil	
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	No	NO	

3k	Provision of mining machineries in mineral benches	Yes	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6mtrs	Nil	
3m	Total area covered under excavation/pits		Nil in the plan period.	Total area under pit is about 37ha.
3o	Total area put in use under different heads at the end of year		Nil in the plan period	area under mining is about 37 ha.
3p	Production of ROM mineral during the last five year period as applicable	No proposal form 2013-14 to 16-17 and 225000 tons proposed during 2017-18.	Nil	Mine is not working due to EC is kept in abeyance.
3q	General remarks of inspecting officers on method of mining etc.		No mining activities were taken place after 2012 due to EC was kept in abeyance.	

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	yes	Nil	
4b	Location of topsoil, OB and mineral reject dumps	Nil	Nil	
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	One backfilled old dump is present within the lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	

4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	One backfilled old dump is exist in the southern portion of the lease area.
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management			No external dump was proposed. Further mining is not started so far due to EC issue and no waste is handled.

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.	Backfilling was proposed in the exhausted pit.	Nil	
5b	Area under backfilling of mined out area	2.25ha	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	2.25 ha	Nil	About 5.8ha is backfilled befor 2012.

5e	General remarks of inspecting officers on backfilling and reclamation etc.	The mine is not working and no backfilling is carried out in the present plan period.
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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).	Before 1st july of every year.	No proposals were given upto 2016-17 under PMCP. So report on PMCP was not submitted for the year 2016-17.	
6b	Area available for rehabilitation (ha) .	2.25Ha	Nil	
6c	afforestation done (ha).	0.574 during 2017-18.	plantation was not started.	
6d	No. of saplings planted during the year	1000 during 2017-18	Nil	
6e	Cumulative no .of plants	Nil	Nil in the plan period	13400 so far
6f	Any other method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch and care during the year	Nil	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	140 x 160	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	383900 cub mtr	Nil	

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Nil	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Nil	Nil	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Nil	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Nil	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Nil	Nil	Mine is not working.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		The mine is not working due to EC issue.	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	Nil	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Nil
7c	Different grade of mineral sorted out at mines.		Nil
7d	Any beneficiation process at mines .	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		Nil

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	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	2.25ha	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		about 13400 saplings were planted so far with in the lease area.	
8g	Survival rate	NA	NA	
8h	Water sprinkling on roads to control airborne dust	Nil	Nil	Mine is not working.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Benches of eastern side are collapsed long back.	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Lessee is regularly submitting monthly and annula returns.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining engineer-Binod kumar misra and Geologist Ashok Maharana	Details mentioned in AR 2016-17 is correct.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under mining-39.365 and area reclaimed -3.5 ha.	Mine is not working.	
9d	Scrutiny of Annual return on afforestation	Nil	Nil	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	Mine is not working
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Nil	Mine is not working	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Nil	Nil	Mine is not working
9h	Scrutiny of Annual return on fixed assets	Rs-35935000		
9k	Scrutiny of Annual return on mining machineries	Nil		

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 :

(KALMATA M.K.)

Indian Bureau of Mines