

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION
Review of Mining Plan REPORT
Goa regional office**

Mine file No : Goa/Fe/211

Minecode 30GOA01238

- 1) Name of Inspecting officer: **Prem Prakash**
- 2) Designation Dy. Controller Of Mines
- 3) Accompanying mine official with designation Along with Mr. G. S Kannan JMG, IBM
Mr. UlhasBetkikar, Mines Manager
Mr. BiswanathSahoo, Geologist
- 4) Date of Inspection 09.10.2017 for processing Of RMP
- 5) Date of Previous Inspection 06.07.2017

I. GENERAL INFORMATION

1. (a) **Mine Name:** **Onvalienchi Palthana Mining Lease**
(constituent lease of Surla-Sonshi Iron Ore Mine)
- (b) **Registration NO.** : IBM/5456/2011
- (c) **Category** : A Fully Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : GOA
- District : NORTH GOA
- Village : HONDA
- Taluka : SATTARI
- Post office : HONDA
- Pin Code : 403505
- FAX No. : 832-732 5 8 7
- E-mail
- Phone : 0832-721151 (3 lines)
- Police Station
2. **Address for correspondance** : At-Sonshi
Po-Honda
Tq-Bicholim, North Goa
3. (a) **Lease Number** : Tc No. 20/1954
- (b) **Lease area** : 64.0777
- (c) **Period of lease** : **20 (RML)**
- (d) **Date of Expiry**: 21/11/2027 (RML quashed by H'ble Supreme court vide order dtd. 07.02.2018)
4. **Mineral worked** : IRON ORE Main

5. Name and Address of the Lessee

Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr Kishore Kumar, Address: SesaGhor, 20, EDC Complex, Patto, Panaji- Goa, 403001, Phone no: +91 7030284466 Fax:+91-832 2460600 Date of appointment: 28.10.2016
Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. Joseph Coelho, Address: Village Surla-Dignem, P.O. Sanquelim, Bicholim Taluka, North Goa District, Goa 403 505 Phone no: +91 9765565523 Date of appointment: 10.08.2016
Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. UlhasBetkikar, Address: Village Surla-Dignem, P.O. Sanquelim, Bicholim Taluka, North Goa District, Goa 403 505 Phone no: +91 9545458418 Date of appointment: 1/04/2017
Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. DhirajkumarJagdish, Address: :Village Surla-Dignem, P.O. Sanquelim, Bicholim Taluka, North Goa District, Goa 403 505 Phone no: +91 7798984627 Date of appointment: 15.07.2017.
Name of the Geologist , Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. BiswanathSahoo, Address: Village Surla-Dignem, P.O. Sanquelim, Bicholim Taluka, North Goa District, Goa 403 505. Phone no: +91 9765499282 Fax:+91-832 2460600 Date of appointment: 10.05.2017

6. Date of Approval of Mining Plan/Modified Mining Plan	Letter No-MMP/MECH/49/GOA/2015-16 Approval Date-12/11/2015. Valid Up To-31/03/2018 MMP approved on 10.08.2017.
---	---

II. SCIENTIFIC MINING

EXPLORATION:-

Sl. No	Item	Proposals	Actual Work	Remarks
1a	Backlog of Previous Year	Nil	Nil	-
	Exploration Over Lease area for	Nil	Nil	(2016-17)
1b	Geological Axis 1 or 2			
	Exploration Agencies and	Nil	Nil	-
1c	Expenditure in lakh rupees during the year			
	Balance area to be explored to bring Geological axis 1 or 2	-	-	
1d				
	Balance reserves as on 01/04/2017	-	-	0.599 MT
1e				
1f	General remarks of inspecting officer on geology, exploration etc.	No proposal of Exploration in MP from 2013-14 to 2017-18 (2016-17) . Further, MMP approved on 10.08.2017		

DEVELOPMENT:-

Sl. No	Item	Proposals	Actual Work	Remarks
2a	Location of development w.r.t. lease area	E-398676/398816 N-1716570/1716210	E-398670/398815 N-1716570/1716210	Almost as proposed in MMP (2016-17)
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Mineral-0 Overburden-1	Mineral-0 Overburden-2	-
2c	Stripping ratio or ore to OB ratio	-	-	-
2d	Quantity of topsoil generation in m3	Nil	Nil	-
2e	Quantity of	20000 te	8840 te	-

overburden
generation in m3

2f General remarks of
inspecting officer
on development of
pit w.r.t. type of
deposit etc.

Only development i.e. OB
removal proposal given in
2016-17

EXPLOITATION:-

Sl. No	Item	Proposals	Actual Work	Remarks
3a	Number of Pit Proposed for Production	1	1	Only development i.e. OB removal proposal given in 2016-17
3b	Quantity of ROM mineral production proposed	0	0	
3c	Recovery of Sailable/ Usable Mineral from ROM Production	NA	NA	
3d	Quantity of mineral reject generation	NA	NA	
3e	Grade of mineral reject generation and threshold value declared	NA	NA	
3f	Quantity of sub-grade mineral generation	NA	NA	
3g	Grade of sub-grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NA	NA	
3j	Provision of drilling & blasting in mineral benches	NA	NA	
3k	Provision of mining machineries in mineral benches	NA	NA	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench Height:6M Bench width:6M	Bench Height:6M Bench width:6M	

3m	Total area covered under excavation/pits	7.179 Ha	7.179 Ha
3n	Ore to OB ratio for the pit/mine during the year	0	0
3o	Total area put in use under different heads at the end of year	Mining= 7.179 waste Dump=28.855, Infrastructure =0.082 Others=53.9107	Mining= 7 ha. waste Dump=28.8, Infrastructure= 0.082 Others=53.9107
3p	Production of ROM mineral during last five-year period, as applicable	0	0
3q	General remarks of inspecting officer on method of mining etc.		Only development i.e. OB removal proposal given in 2016-17 through mechanized O/C method of mining

SOLID WASTE MANAGEMENT - DUMPING:-

S1. No	Item	Proposals	Actual Work	Remarks
A.				
4a	Separate Dumping of Topsoil, OB and Mineral Rejects (Rule 32,33)	surface dump proposed within mining lease	Overburden disposed in surface dump within Mining lease	
4b	Location of Topsoil, OB and Mineral Rejects Dumps	E-398704/398860 N-1716010/1716140	E-398704/398860 N-1716010/1716140	OB dumped As per Proposal
4c	Number of Dumps within Lease & Outside Lease area	Lease area = 1 Non Lease area = Nil	Lease area = 1 Non Lease area = Nil	
4d	Location of Dumps, within Ultimate Pit Limit (Rule-16)	Within & Outside UPL	Within & Outside UPL	
4e	Number of Active & Alive Dumps	1	1	
4f	No of Dead Dumps	1	1	
4g	No of Dumps Established	1	1	
4h	Whether Retaining Wall or Garland drain along Dumps are there	Garland drains are Proposed	Garland drains are made on fresh dump.	
4i	Length of Retaining Wall or Garland drain along Dumps	Garland Drain-251 m Retaining Walls- Nil	Garland Drain-350 m Retaining Walls- Nil	
4j	No of Settling	Nil	Nil	

4k	tanks Specific comments of inspecting officer on waste dump management	Nil	OB dumped as per Proposal
----	--	-----	------------------------------

SOLID WASTE MANAGEMENT - BACKFILLING:-

S1. No	Item	Proposals	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 mined out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc			NA

PROGRESSIVE MINE CLOSURE PLAN:-

S1. No	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E (2). Management of worked/mined out benches	Yes	Yes, Submitted	
6b	i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of	Nil	Nil	

	rehabilitation			
	vi) Cost incurred on watch & care during the year			
	Compliance on reclamation and rehabilitation by backfilling	Nil		Nil
	i) Voids available for backfilling (L X B X D)			
6c	ii) Void filled by waste/tailings			
	iii) Afforestation on the backfilled area			
	iv) Rehabilitation by making water reservoir			
	v) Any other specific means			
	Compliance of Rehabilitation of waste land within lease	Nil		Nil
6d	i) Afforestation			
	ii) Area rehabilitated (ha)			
	iii) Method of rehabilitation			
	Compliance of Environmental monitoring (core zone & buffer zone)	Within limit		Within limit
6e	General remarks of inspecting officer on PMCP compliance & progressive closure operations		-	Environmental monitoring being carried out
6f				

MINERAL CONSERVATION:-

Sl. No	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	No Proposal	Nil	
7b	Method of Grade-wise mineral sorting i.e. manual or mechanical	NA	NA	
7c	Different grade of mineral sorted out at mines	NA	NA	
7d	Any beneficiation			

	process at mines	NA	NA	
	General remarks of inspecting officer on Mineral conservation & beneficiation issues			NA

ENVIRONMENT :-

Sl. No	Item	Proposals	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)			
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)	Nil	Nil	
8f	Baseline information on existence of plantation & additional plantation done			
8g	Survival rate	85%	85%	
8h	Water sprinkling on roads to control airborne dust	Water Tanker used for sprinkling on roads to control airborne dust	Water Tanker used for sprinkling on roads to control airborne dust	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Water sprinkling on roads being carried out to control airborne dust

COMPLIANCE OF RULE-45:-

Sl. No	Item	Comments	Remarks
9a	Status of Submission of Monthly & Annual Returns	MR Submitted, AR Submitted for 2016-17	Found in order

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 Compl
Nil			

Date :

(PREM PRAKASH)

Indian Bureau of Mines