

Report

1) Name of Inspecting officer:	Shri. Prem Prakash.
2) Designation	Deputy Controller of Mines
3) Accompanying mine official with designation	Shri. Maheswar Kinnal, Santosh Gadhi TQPs; Basavaraj Bogone, Geologist
4) Date of Inspection	14.12.2017 for Review of Mining Plan processing
5) Date of Previous Inspection	22.02.2017

I. GENERAL INFORMATION

Sl.No	Particulars	Details
1	Name of the Mine	Orasso Dongor Mine (T. C. No. 76/1952)
2	Total Lease Area (Ha)	98.4473 ha
3	Mine code	30GOA 01161
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM /327/2011
5	Name of the lessee, Address, phone, email and fax number	Vedanta Limited Sesa Ghor, 20 EDC Complex, Patto, Panaji (Goa) - 403 001 Phone: +91-832 2460600 Fax: +91-832 2460690 Email: Arun.KumarGR@vedanta.co.in
6	Village	Adwalpale & Moitem
7	Taluka/Mandal	Bicholim & Bardez
8	District	North Goa
9	Pincode	403502
10	State	Goa
11	Post office	Assonora
12	Nearest police station	Bicholim
13	Nearest Railway station	Tivim Railway Station
14	Date of Grant of Mining Lease	08.09.1952 (as a concession)
15	Date of Execution	09.01.2015
16	Date of opening of Mine	17.12.2016 (re opening)
17	Date of first Renewal, if applicable and its period & expiry	Not Applicable
18	Date of second Renewal, if applicable and its period & expiry	22.11.2007 for 20 years up to 21.11.2027
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not applicable.
20	Name of the Nominated Owner with Address, phone, email, fax number and date of	Mr. Sauvick Mazumdar Sesa Ghor, 20 EDC Complex, Patto, Panaji

	appointment	(Goa) - 403 001 Email ID: Sauvick.Mazumdar @vedanta.co.in Mobile: +91 9765565524 DOA: 28.10.2016
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. Vijayakumar Sesa Ghor, 20 EDC Complex, Patto, Panaji (Goa) - 403 001 Phone No. +91 8806091658 Email: Vijay.Kumar@vedanata.co.in DOA: 04.08.2016
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Umesh Kadam Mines manager, Orasso Dongor Mine Ph.No. +919545512996 Umesh.Kadam@vedanta.co.in DOA:01.04.2017
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. Umesh Kadam Ph.No. +919545512996 Umesh.Kadam@vedanta.co.in DOA:01.04.2017
24	Name of the Geologist , Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. Basavaraj Bogone M. Sc Geology 9 Years. Phone No. +919765256637 Basavaraj.Bogone@vedanta.co.in Date of appointment in mine: 10.05.2017
25	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes.
26	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Modified approved mining plan 16.03.2017, No. MMP/MECH-25/GOA/2015-16, Vol.II (Period: 2013-14 to 2017-18) Approved for the financial year 2016-17 to 2017-18.
27	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Not applicable
28	Mineral(s) granted in lease and approved for mining	Iron ore
29	Method of Mining (Opencast, Underground)	Opencast
30	Category (Fully Mechanized, Others or Manual)	"A" Fully Mechanized
31	Captive/Non Captive	Non captive

II. SCIENTIFIC MINING

[i.r.o. year (2016-17) or cumulative, as applicable.]

Sl. No	Item	Proposals (2016-17)	Actual Work (2016-17)	Remarks
A. EXPLORATION:-				
1a	Backlog of Previous Year	Nil	Nil	
1b	Exploration Over Lease area for Geological Axis 1 or 2	Nil	03 BHs (130m)	To know the quality of ore.

1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Rakesh P Patil Kholhapur. MH Rs.211071/-	
1d	Balance area to be explored to bring Geological axis 1 or 2	---	---	About 62 ha
1e	Balance reserves as on (01.04.17)			Reserves 1.345 MT Resources 3.205 MT
B. DEVELOPMENT:-				
2a	Location of development w.r.t. lease area	As per development plan	As per development plan	
2b	Separate benches in topsoil, overburden and mineral	yes	yes	
2c	Stripping ratio or ore to OB ratio	2.25	1.26	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	204545 m3 (450000Tons)	112654 m3 (252935Tons)	
C. EXPLOITATION:-				
3a	Number of Pit Proposed for Production	One (Pit 2)	One (Pit 2)	
3b	Quantity of ROM mineral production proposed	200000 Tons	199991 Tons	
3c	Recovery of Sailable/ Usable Mineral from ROM Production	100%	100%	
3d	Quantity of mineral reject generation	40000 Tons	39997 Tons	
3e	Grade of mineral reject generation and threshold value declared	+45% to 54% Fe Threshold value 45% Fe	45% to 54% Fe Threshold value 45% Fe	
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	Mechanical	Mechanical	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Nil	Nil	
3j	Provision of drilling & blasting in mineral benches	Nil	Nil	
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	Yes	Yes	

	MP/SOM			
3m	Total area covered under excavation/pits	28.8	28.8	
3n	Ore to OB ratio for the pit/mine during the year	2.25	1.26	
3o	Total area put in use under different heads at the end of year (in ha)	Excavation (o/c) 28.8461 Dumps 18.3782 Mineral storage 1.8605 Infrastructure 0.0120 Roads 0.4350	Excavation (o/c) 28.8461 Dumps 18.3782 Mineral storage 1.8605 Infrastructure 0.0120 Roads 0.4350	
3p	Production of ROM mineral during last five-year period, as applicable	2013-14: Nil 2014-15: Nil 2015-16: Nil 2016-17: 200000 tons	2013-14: Nil 2014-15: Nil 2015-16: Nil 2016-17: 199991 tons	RMP/scheme approved for (Period: 2013-14 to 2017-18)
D. SOLID WASTE MANAGEMENT - DUMPING:-				
4a	Separate Dumping of Topsoil, OB and Mineral Rejects	yes	yes	
4b	Location of Topsoil, OB and Mineral Rejects Dumps	As per plan	As per plan	
4c	Number of Dumps within Lease area	1	1	
4d	Location of Dumps, within Ultimate Pit Limit	No	No	
4e	Number of Active & Alive Dumps	1	1	
4f	No of Dead Dumps	-	-	3 old
4g	No of Dumps Established	-	-	4
4h	Whether Retaining Wall or Garland drain along Dumps are there	Yes	yes	
4i	Length of Retaining Wall or Garland drain along Dumps	Retaining wall 400m Garland drain 575m	198m 287m	Retaining/ Boulder Wall or Garland drain made along dump
4j	No of Settling tanks	3	3	
E. SOLID WASTE MANAGEMENT - BACKFILLING:-				
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	-	-	
F. PROGRESSIVE MINE CLOSURE PLAN:-				
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2).	Yes	Yes	
6b	Management of worked/mined out	Nil	Nil	

	benches 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 rehabilitation vi) Cost incurred on watch & care during the year			
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	Nil	Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Nil	Nil	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Monitoring	Being Monitored	
G. MINERAL CONSERVATION:-				
7a	ROM mineral dispatch or grade wise sorting within lease area	Lumps and Fines sorting	Lumps and fines sorting	
7b	Method of Grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines	Above 55% Fe and below 55% Fe	Above 55% Fe and below 55% Fe	
7d	Any beneficiation process at mines	Nil	Nil.	Dry screening only
H. ENVIRONMENT:-				
8a	Separate removal and utilization of topsoil	Nil	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines	Proposed	Yes	
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	-	-	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads	Water sprinkling on roads	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines	-	-	satisfactory

area			
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III. COMPLIANCE OF RULE-45:-		
9a	Status of Submission of Monthly & Annual Returns	Submitted
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Annual Return for year 2016-17 submitted and in general, the same is in order.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	
9d	Scrutiny of Annual return on afforestation	
9e	Scrutiny of Annual return on mineral reject generation	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	
9i	Scrutiny of Annual return on fixed assets	
9k	Scrutiny of Annual return on mining machineries	

IV. Status of compliance of MCDR, 2017 including therewith the rectification of outstanding violation of the rules.

Date of last inspection	Violation pointed out	Compliance reported
22.02.2017	Nil	Not applicable
14.12.2017	Nil	Not applicable

(P. PRAKASH)
DCOM