

CHECKUP INSPECTION REPORT (2024-25)

S. N.	Particulars	Details
1	Name of the Mine	Block I - Bicholim Mineral Block
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	478.5206 (Forest Land: NIL)
3	Mine Code	30GOA551001
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/327/2011
5	Name of the lessee, Address, phone, email and fax number	M/s. Vedanta Limited. Dhirajkumar.Jagdish@vedanta.co.in Sesa Ghor, EDC Complex, Patto - Panaji Tiswadi
6	Village	Bicholim
7	Taluk/Mandal	Bicholim
8	District	North Goa
9	Pin code	403504
10	State	Goa
11	Post office	Bicholim
12	Nearest police station	Bicholim
13	Nearest Railway station	Thivim
14	Date of Grant of Mining Lease	22.03.2024
15	Date of Execution	26.03.2024
16	Date of opening of Mine	26.03.2024
17	Date of first Renewal, if applicable and its period & expiry	Not Applicable
18	Date of second Renewal, if applicable and its period & expiry	Not Applicable
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 appointment	Mr. Dhirajkumar Jagdish 9823993664 Dhirajkumar.Jagdish@vedanta.co.in Sesa Ghor, EDC Complex, Patto - Panaji Tiswadi Date of Appointment: 13.01.2023
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. Mahesh Patankar 9765499282 Mahesh.patankar@vedanya.co.in Sesa Ghor, EDC Complex, Patto - Panaji. Tiswadi, Goa

S. N.	Particulars	Details
		Date of Appointment: 12.02.2024
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Laxman Gawas 9923242028 Laxman.Gawas@vedanta.co.in 143, Vithal Nagari, Karapur Tisk, Sanquelim, Goa Date of Appointment: 26.03.2024
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 Diploma in Mining & Mine Surveying FMR Certificate of Competency (02.04.2009) Experience: 15 Year 9545512996 Umesh.Kadam@vedanta.co.in H. No. 178/6, Narayan Nagar, Honda, Sattari, Goa Date of Appointment: 26.03.2024
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per Rule 43 & 44.	Geologist and Mining Engineer appointed in mines satisfy the Rule 42 & carrying out their duties as per Rule 43 & 44.
25	Date of Approval of Mining Plan / Modified Mining Plan with five-year period and specific condition in approval letter, if any.	MP Approval Date: 26.05.2023 MP Period: FY2023-24 to FY2027-28 (5 Years)
26	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
27	Mineral(s) granted in lease and proved for mining	Iron Ore
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	Fully Mechanized
30	Captive / Non-Captive	Non-Captive
31	Inspecting Officer/Designation / Date of inspection	Sri.V. J. K. Babu, Controller of Mines (South Zone) 20.11.2024
32	Name of accompanying mine officials with designation	Mr. Dhirajkumar Jagdish, Nominated Owner & DyCEO Mr. Suraj Dhawaskar, Head - Survey & Mine Planning Mr. Ravi Naik, Head - Maintenance

Exploration

S. N.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NA	NA	
1b	Exploration over lease area for Geological axis 1 or 2.	2 Core bore holes.	0	Regional Office (RO) asked to

S. N.	Item	Proposals	Actual work	Remarks
				initiate the issuance of violation letter.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NIL	NIL	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	3.5301 Ha	NIL	NIL
1e	Balance Reserves as on 01.04.2024	35512604 Tonnes. As per last approved production and depletion of reserves during 2023-24. Incorrectly reported in AR. RO asked to Violation issued.		
1f	General remarks of inspecting officer on geology, exploration etc.	<p>The lease area contains two parallel ore bands, namely the South Western Ore Band (SWOB) and the North Eastern Ore Band (NEOB). The dimensions of these ore bands are as follows:</p> <ul style="list-style-type: none"> • SWOB: 6500m (length) x 20-45m (width) x 200m (depth) • NEOB: 2000m (length) x 30-60m (width) x 200m (depth) <p>The entire area has been fully explored under G1-level exploration except for a small patch of 3.531 Ha. The mining plan includes drilling of seven core boreholes within the first two years of the plan period to cover this extent.</p> <p>Despite the proposal to drill two core boreholes in the first year, this activity has not been carried out. Regional Office (RO) asked to initiate the issuance of violation letter.</p>		

Development

S. N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	E/W 382949.5400 to 383306.0000 N/S 1726084.3900 to 1725783.7300	E/W 382925.9892 to 383328.1673 N/S 1726007.3954 to 1725878.9950	Mine worked only for 6 Days of the FY 2023-24
	Vertical Extent (MRL)	91.0000	57.0000	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Topsoil: 0 Overburden: 11 Mineral: 3	Topsoil: 0 Overburden: 11 Mineral: 3	There are totally 5 pits in the mines and number of benches in OB ranges from 8-25 & in mineral 2-3 benches.
2c	Stripping ratio or ore to OB ratio in m3	0.4418	1.5869	Regional Office (RO) asked to initiate the issuance

				of violation letter for not maintaining proposed stripping ratio.
2d	Quantity of topsoil generation in m3	NIL	NIL	
2e	Quantity of overburden generation in m3	52,02,548 m3	27,727 m3	Regional Office (RO) asked to initiate the issuance of violation letter for not achieving the proposed removal of OB.
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	There are totally 5 pits in the mines and number of benches in OB ranges from 8-25 & in mineral 2-3 benches suitably developed matching the type of deposit in respective pits.		

Exploitation

S. N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	2	1	Regional Office (RO) asked to initiate the issuance of violation letter for not achieving the proposed production of ROM, removal of mineral reject & OB.
3b	Quantity of ROM mineral production proposed	2000000T	557920T	
3c	Recovery of salable/usable mineral from ROM production	1630000T	12420T	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral reject generation and threshold value declared	NIL	NIL	
3f	Quantity of sub-grade mineral generation	NIL	NIL	NIL
3g	Grade of sub-grade mineral generation	NIL	NIL	NIL
3h	Manual / Mechanized method adopted for segregating from ROM	Mechanized	Mechanized	NIL
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NIL	NIL	NIL
3j	Provision of drilling & blasting in mineral benches	NA	NA	There are no proposals for drilling and blasting in the mine.
3k	Provision of mining machineries in mineral benches	Yes	Yes	

S. N.	Item	Proposals	Actual work	Remarks
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP / SOM	Yes	Yes	Yes
3m	Total area covered under excavation / pits	306.8500 Ha	306.8500 Ha	Worked within the already opened up pit.
3n	Ore to OB ratio for the pit / mine during the year	0.17	10.06	Regional Office (RO) asked to initiate the issuance of violation letter for not achieving the proposed Stripping Ratio.
3o	Total area put in use under different heads at the end of year	Please Refer Screen Capture Placed at the End		No change in area put to use
3p	Production of ROM mineral during last five-year period, as applicable	NA	NA	
3q	General remarks of inspecting officer on method of mining etc.	The method of mining is by opencast mechanized means with combination of loaders and tippers without deep hole drilling and blasting.		

Solid Waste Management-Dumping

S. N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Yes	Yes	
4b	Location of topsoil, OB & Mineral Reject Dumps	NIL	NIL	3 stabilized Waste Dumps. Lat 15:34:44.19 to 15:34:41.31 To Long 73:54:30.24 to 73:56:47.08
4c	Number of dumps within lease area and outside lease area	3 / NIL	3 / NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	
4e	Number of active & alive dumps	NIL	NIL	
4f	Number of dead dumps	3	3	
4g	Number of dumps stabilized	NIL	NIL	
4h	Whether Retaining wall or garland drain all along dumps	Yes	Yes	

S. N.	Item	Proposals	Actual work	Remarks
	are there			
4i	Length of Retaining wall or garland drain all along dump	1600 (GD)	NIL	Regional Office (RO) asked to initiate the issuance of violation letter for not constructing the proposed length of garland drain.
4j	Number of settling ponds	NIL	NIL	Already Exists 12 Nos.
4k	Specific comments of inspecting officer on waste dump management.	There are 3 stabilized dumps existing in the mine with all engineering structures for stabilization which are being maintained.		

Solid Waste Management-Backfilling

S. N.	Item	Proposals	Actual work	Remarks																				
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Full Extraction 5 Bottom & 1 Top Pits	5 Bottom Pit																					
5b	Area under backfilling of mined out area	For the year 2023-2024, It was proposed to back fill 3 pits.	Only 5top is started with backfilling.	Regional Office (RO) asked to initiate the issuance of violation letter for not achieving the proposed backfilling.																				
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NA	NA																					
5d	Total area fully reclaimed & rehabilitated	NA	NA																					
5e	General remarks of inspecting officer on backfilling, reclamation etc.	<p>For the year 2023-2024, It was proposed to back fill 3 pits as follows:</p> <table border="1"> <thead> <tr> <th>Pit ID</th> <th>Area (m2)</th> <th>Top RL</th> <th>Bottom RL</th> <th>Achieved</th> </tr> </thead> <tbody> <tr> <td>5bot</td> <td>78702</td> <td>45</td> <td>-5</td> <td>Nil</td> </tr> <tr> <td>5top</td> <td>178343</td> <td>80</td> <td>20</td> <td>64RL</td> </tr> <tr> <td>1top</td> <td>127758</td> <td>20</td> <td>-14</td> <td>Nil</td> </tr> </tbody> </table> <p>Regional Office (RO) asked to initiate the issuance of violation letter for not achieving the proposed backfilling.</p>			Pit ID	Area (m2)	Top RL	Bottom RL	Achieved	5bot	78702	45	-5	Nil	5top	178343	80	20	64RL	1top	127758	20	-14	Nil
Pit ID	Area (m2)	Top RL	Bottom RL	Achieved																				
5bot	78702	45	-5	Nil																				
5top	178343	80	20	64RL																				
1top	127758	20	-14	Nil																				

Progressive Mine Closure Plan

S. N.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on	NIL	NIL	Regional

S. N.	Item	Proposals	Actual work	Remarks
	PMCP submitted on time and correctly - Rule 23E (2). Details should be given in the format as given in Annexure-20.			Office (RO) asked to initiate the issuance of violation letter for not submitting the report.
6b	Area available for rehabilitation (ha)	NIL	NIL	
6c	Afforestation done (ha)	4.0432	NIL	Regional Office (RO) asked to initiate the issuance of violation letter for not achieving the proposed plantation.
6d	No. of saplings planted during the year	10108	0	
6e	Cumulative no. of plants	10108	0	
6f	Any other specific method of rehabilitation	NA	NA	
6g	Cost incurred on watch & care during the year	NIL	NIL	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D)	7.8700 Ha	0.2668 Ha	Regional Office (RO) asked to initiate the issuance of violation letter for not achieving the proposed backfilling.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings	7.8700 Ha	0.2668 Ha	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the 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	

S. N.	Item	Proposals	Actual work	Remarks
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	NA	NA	
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha)	NA	NA	
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	NA	NA	
6p	Compliance of Environmental monitoring (core zone & buffer zone)	As per Guidelines	Complied	
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	The proposed PMCP activities are not carried out by the lessee and no Annual report is submitted. Regional Office (RO) asked to initiate the issuance of violation letter for not achieving all the proposed PMCP activities.		

Mineral Conservation

S. N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Yes	Yes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines	+45% Fe – ROM <45% Fe – Waste	+45% Fe – ROM <45% Fe – Waste	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Mine is in a very initial stage of opening and as such no dispatch during the reporting year is reported. No beneficiation process is proposed.		

Environment

S. N.	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	YES	YES	

S. N.	Item	Proposals	Actual work	Remarks
	(Rule 33)			
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.)	NA	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Yes	Yes	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Aesthetic beauty in and around the mine is satisfactory.		
Compliance of Rule 45				
S.N	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	Submitted in time.		AR-2023-2024 submitted on 29.06.2024.
S.N	Item			
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	ME: Mr. Umesh Kadam. MG: Mr. Devendra Gupta.		On the day of inspection ME was present and MG was reported to be on leave.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Mining: (O-C): 1.575 Waste disposal: 0.267 Infrastructure: 4.950		All the details submitted in this section are incorrect and not in line with the details submitted in the approved

S. N.	Item	Proposals	Actual work	Remarks
				Mining Plan at the start of the Year-1 plus additional area utilized under particular activities during the reporting year.
9d	Scrutiny of Annual return on afforestation		Reported Nil.	Regional Office (RO) asked to initiate the issuance of violation letter for not achieving the proposed afforestation.
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)		Reported Nil.	In the approved Mining Plan recovery for the reporting year from ROM is stated to be 80 & 86% only. However, It is reported for a production of a total processed ore of lumps & fines of 12420 Tonnes from 557920 tonnes of ROM and nil Mineral Rejects which is incorrect.
9f	Scrutiny of Annual return on ROM stock and/or graded ore		<p style="text-align: center;">Closing Stocks</p> 1) ROM: 545500T 2) Lumps: 2070T (52%-55%Fe) 3) Fines: 10350T (45-51%Fe)	In Order
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost		Sale Value: Nil, Ex-mine price reported Rs.1 as no sale or dispatch taken place.	The interest paid during the year reported in the other section of the returns is not computed for arriving at the cost of production.
9i	Scrutiny of Annual return on fixed assets		Value of Fixed Assets (₹242,28,96,151)	Appears to be in order.

S. N.	Item	Proposals	Actual work	Remarks
9k	Scrutiny of Annual return on mining machineries	1. DUMPER (40 T): 72 2. WHEEL LOADER (3.2cbm): 4 3. WHEEL LOADER(3.5cbm): 3 4. DOZER(770HP): 1 5. DOZER(410HP): 3 6. DOZER(449HP): 3 7. SHOVEL(4.1Cbm): 9		The reported machineries are found deployed on the day of inspection.

(V. J. K. BABU)
CONTROLLER OF MINES (SOUTH ZONE)

Annexure

Chapter 7: Financial Assurance/ Performance Surety (AREA PUT TO USE)

Year1

Consolidated View of Financial Assurance

Sl.No	Particular	Area put to use at Start of Year (ha) (A)	Additional Requirement (ha) (B)	Total (ha) (C = A + B)
1	Area under Mining	306.85	0.00	306.85
2	Topsoil stacking	0.00	0.00	0.00
3	Overburden/Waste Dumping	32.69	0.00	32.69
4	Mineral Storage	0.00	8.92	8.92
5	Infrastructure (Workshop, Administrative Building etc.)	4.95	0.00	4.95
6	Roads	0.00	0.00	0.00
7	Railway	0.00	0.00	0.00
8	Tailing Pond	0.00	0.00	0.00
9	Effluent Treatment Plant	0.00	0.00	0.00
10	Mineral Separation Plant	1.52	0.00	1.52
11	Township Area	0.00	0.00	0.00
12	Others to specify	0.00	0.00	0.00
	Total	346.01	8.92	354.93