

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION
MCDR inspection report
Goa regional office

- (i) Name of the Inspecting Officer and ID No. : **(ASO) ABHIMANYU SINGH OGRA**
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine Official with Designation : Mr. Ruturaj Desai-Mines Manager
Mr. Narendra Gawas - Surveyor
Mr. Rajesh Kundu- Geologist
- (iv) Date of Inspection : 19.11.2024
- (v) Prev. inspection date : 06.11.2023

PART-I : GENERAL INFORMATION

1	(a)	Mine Name	: Gudeghar Bauxite Mine
		(b) IBM Registration Number under rule 45 of MCDR, 1988	: IBM/493/2011
		(c) Mine code	: 07MSH20006
		(d) Type of Working (Opencast, Underground)	: Opencast
		(e) Category (Fully Mechanized, Others or Manual)	: Fully Mechanised
		(f) Captive/ Non captive	: Non-captive
		(g) Postal Address	
		Village	: Gudeghar
		Taluk/Mandal	: Mandangad
		District	: Ratnagiri
		Pin code	: 415208
		State	: Maharashtra
		Post office	: Umroli
		Nearest police station	: Bankot
		Nearest Railway station	: Khed
2		Address for correspondance	: Infrastructure Logistics Pvt. Ltd. C/o.Balkrishna Jadhav, H.No. 508, Panchshil Nagar, Bhingloli,

- At/Post/Taluka- Mandangad
Tal. Mandangad, Dist. Ratnagiri.
Maharashtra. 415203.
- 3 (a) Total Lease Area (Ha) with breakup of Non-forest and forest land : 91.58 Ha.
Non Forest Land = 91.58 Ha
- (b) Date of Grant of Mining Lease : 27.07.2010
- (c) Date of Execution : 27.08.2010
- (d) Date of opening of Mine : 16.02.2011
- (e) Date of expiry : NA
- 4 Mineral(s) granted in lease and proved for mining : Bauxite
- 5 (a) Name of the lessee, Address, phone, email and fax number : M/s. Infrastructure Logistics Pvt. Ltd.
205, 2ND FLOOR, KAMAT METROPOLIS-I, BEHIND CACULO MALL, ST INEZ, PANAJI, Goa, 403001
0832-2454575
0832-2454590 (FAX)
milind@ilpl.biz,
minesmanager.gbm@gmail.com
- (b) Name of the Nominated Owner with Address, phone, email, fax number and date of appointment : Mr. Milind Sardessai
205, 2ND FLOOR, KAMAT METROPOLIS-I, BEHIND CACULO MALL, ST INEZ, PANAJI, Goa, 403001
Ph: 9822100796,
Email: milind@ilpl.biz
Dt of Appointment: 13/08/2012
- (c) Name of the Mine Agent with Address, phone, email, fax number and date of appointment : Mr. Pramod Sarode
C/o. Balkrishna Jadhav.
H.no.508,
Bhingloli, Mandangad,
Ratnagiri-415203.
Ph: 9765551228,
Email : pramod@ilpl.biz
Dt of Appointment : 18.06.2024
- (d) Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines : Mr. Raturaj Desai
C/o. Balkrishna Jadhav. H.no. 508,
Bhingloli, Mandangad,
Ratnagiri-415203.
Ph: 9370796529 / 9765551228,
Email :
minesmanager.gbm@gmail.com
raturaj.desai@ilpl.biz
Dt of Appointment : 19.06.2024
- (e) Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax : Mr. Pramod Sarode
B.E. Mining, 23 years experience.
C/o. Balkrishna Jadhav. H.no. 508,

	number and date of appointment in mine	Bhingloli, Mandangad, Ratnagiri-415203. Ph: 9765551228, Email: pramod@ilpl.biz Dt of Appointment: 01.01.2013.
(f)	Name of the Geologist, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	: Mr. Rajesh Kundu MSc. Geology, 13 years experience C/o. Balkrishna Jadhav. H.no. 508, Bhingloli, Mandangad, Ratnagiri-415203. Ph : 9852078817 Email: rajesh.kundu@ilpl.biz Dt of Appointment: 09/07/2024
6	Date of Approval of Mining Plan/Review of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	: RMP/MECH-01(MAH)/GOA/2019-20 Vol. I dt. 13.08.2021. (2020-21 to 2024-25)

PART - II: OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	4 no of trial Pits	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	In-house Rs. 88000/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	Entire potential area covered under G1 exploration
1e	Balance reserves as on <u>01.04.2024</u>	-	0.304 Million Tonnes	Total Reserves and Resources-0.486 million tonnes)
1f	General remarks of inspecting officer on geology, exploration etc.			

Development :

Sl.No	Item	Proposals	Actual work	Remarks
.				
2a	Location of development w.r.t. lease area	E300425 to E300750 N1987081 to N1987477 E299825 to E300025 N1986412 to N1986634	E300480 to E300750 N1987081 to N1987383 E299959 to E300017 N1986587 to N1986632	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Yes	Yes	
2c	Stripping ratio or ore to OB ratio	1:0.38	1:0.67	
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	57500 m ³	39753.13 m ³	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Overall working in planned limits.		

Exploitation :

Sl.No	Item	Proposals	Actual work	Remarks
.				
3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	300000 Tonnes	118901.18 Tonnes	
3c	Recovery of salable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral	NIL	NIL	

	reject generation			
3e	Grade of mineral reject generation and threshold value declared	NIL	NIL	
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	Mechanised	Mechanised	
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	No Drilling & Blasting	No Drilling & Blasting	
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	25.5813	20.50	Proposed at the end of 5 years
3n	Ore to OB ratio for the pit/mine during the year	1:0.38	1:0.67	
3o	Total area put in use under different heads at the end of year	Covered under O/c working :- 25.5813 Ha. (includes reclamation) Occupied by Infrastructure & Roads :- 0.9457 Ha. Storage of ROM: - 6.0610 Ha.	Covered under O/c working : - 20.50 Ha. (includes reclamation) Occupied by Infrastructure & Roads: - 2.761 Ha. Storage of ROM: - 5.44 Ha. Plantation-1.22	Area put to use at the end of the Mining Plan Period. (Proposed for Five years)

		Plantation :	78 Ha
		1.1870 Ha	
3p	Production of ROM mineral during last five-year period, as applicable	2019-20 = 300000 Tons	1,96,120.57 Tons
		2020-21 = 300000 Tons	1,20,522.16 Tons
		2021-22 = 300000 Tons	2,99,695.77 Tons
		2022-23 = 300000 Tons	2,99,536.77 Tons
		2023-24 = 300000 Tons	1,18,901.18 Tons
3q	General remarks of inspecting officer on method of mining etc.		

Solid Waste Management-Dumping:

Sl.No	Item	Proposals	Actual work	Remarks
.				
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Backfilling	Backfilling	No dumping carriedout as backfilling was proposed.
4b	Location of topsoil, OB & mineral reject dumps	E300475 to E300525 N1986768 to N1986812	N 1986768 to N1986812 & E 300475 to E300525	Overburden generated is used for backfilling
		E300475 to E300525 N1987315 to N1987363	N 1987315 to N1987363 & E300480 to E300525	
		E300475 to E300525 N1987454 to N1987477		
		E299975 to E300025 N1986577 to N1986634		
4c	Number of dumps within lease area and outside lease area	Lease area = Nil	Lease area = Nil	Lease area = Nil
		Non Lease area = Nil	Non Lease area = Nil	Non Lease area = Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule	Nil	Nil	

16)				
4e	Number of active & alive dumps	Nil	Nil	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilized	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	Yes	Yes	Retaining wall
4i	Length of Retaining wall or garland drain all along dump	Retaining Wall= 900mtrs Garland Drain= 350mtrs	208 mtrs 996 mtrs	
4j	Number of settling ponds	3 nos	5 nos	
4k	Specific comments of inspecting officer on waste dump management.			

Solid Waste Management-Backfilling :

Sl.No	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Full	Full	The waste generated during mining operation has been utilized for backfilling
5b	Area under backfilling of mined out area	0.82	1.8638	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NIL	NIL	
5d	Total area fully reclaimed & rehabilitated	Reclamation= 0.82 Ha Rehabilitatio n=5.63Ha	Reclamation= 1.8638 Ha Rehabilitatio n= 5.7588 Ha	

5e General remarks of inspecting officer on backfilling, reclamation etc

Progressive Mine Closure Plan :

Sl.No	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2).	Yes	Yes	
6b	Area available for rehabilitation (ha)	3.39	3.2788	
6c	Afforestation done (ha)	3.39	3.2788	
6d	No. of saplings planted during the year	8475	9490	
6e	Cumulative no. of plants			
6f	Any other specific method of rehabilitation	Nil	Nil	
6g	Cost incurred on watch & care during the year	635625	746610	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D)			
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings	0.82 Ha	1.8638 Ha	
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area	1000	1600	

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	1800	2108	
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha)	1.84 Ha	1.84 Ha	
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	Plantation	Plantation	
6p	Compliance of Environmental monitoring (core zone & buffer zone)	Environment Monitoring Proposed	Environmental Monitoring has been carried out by Mineral Engineering Services	Reports are attached
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations			

A. Mineral Conservation :

Sl.No.	Item	Proposals	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	Sorting by visual method
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	

7c	Different grade of mineral sorted out at mines	+30%A1203	+30%A1203
7d	Any beneficiation process at mines	Crushing & Dry Screening	Crushing & Dry Screening
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues		

Environment :

Sl.No.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Top soil	No Top soil	No Topsoil encountered
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposal of Backfilling	As per proposal	The waste generated during mining operation has been utilised for backfilling.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposal of Backfilling	Backfilling has been carried out	Backfilling has been carried out to restore the land for it's original use
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)		Plantation carried out on backfilled area.	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)		Cumulative upto 22-23:- 39647. 13198 Sapling Planted in the year 2023-24 Cumulative - 52845	

8g	Survival rate	70%	75%
8h	Water sprinkling on roads to control airborne dust	Proposed	Water Sprinklers on roads are provided
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Overall asthetic of area maintained	

Compliance of Rule 45 :

Sl.No.	Item	COMMENTS	Remarks
9a	Status of submission of Monthly and Annual returns	MR Submitted up to = Oct-2024 AR Submitted up to = 2023-24	

S.N.	Item	Propasals	Actual work	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines Manager=Ruturaj Desai Mining Engineer= Pramod Sarode Geologist= Rajesh Kundu		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under Current (O/C) Working =2.60 Ha Reclaimed/ Rehabilitated = 17.902 Ha Occupied by Plant, Buildings, residential, welfare buildings & roads = 2.761 Ha Other Purpose = 6.722 Ha Work done under Progressive mine closure plan during the year= 5.7588Ha		

9d	Scrutiny of Annual return on afforestation	13198 Saplings are planted within mining Lease and 1074 Saplings are planted out of lease
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing stock of ROM in tonnes = 52657.19 Graded Ore 40%-below 45%AL2O3= 53776 Cement= 65744.68
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-Mine Price Cement =Rs.585.51 Production cost - 360.34 Rs/Mt
9i	Scrutiny of Annual return on fixed assets	Value of Fixed Assets (in Rs.) = Rs.5079930/-
9k	Scrutiny of Annual return on mining machineries	1.Hydraulic Shovel= 3 Nos. (1.0 Cu.M capacity) 2.Wheel Loaders= 3 Nos. (2.5 Cu.M capacity) 3.Wheel Loaders= 1 Nos. (3.2 Cu.M capacity) 4.Crusher= 1 Nos. (230 Tns /Hr Capacity) 5.Crusher= 1 Nos. (100 Tns /Hr Capacity) 6.Other HEMM machinery = 2 Nos. (250Tns/Hr capacity) 7. Trucks= 9 Nos. (10 Tonnes capacity)

8. Other HEMM
machinery (Rock
Breakers) = 3 Nos.
(50 Tns/Hr
capacity)

9. Air
Compressor = 1 Nos
(0.48 m3)

**Details of violations observed during current inspection and compliance position
of violation pointed out**

<u>Violation observed</u>			<u>Show cause position</u>		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on

(Abhimanyu Singh Ogra)

Indian Bureau of Mines