

MCDR INSPECTION REPORT

Inspecting officer: Dr. N K Mathur, AMG, Gandhinagar

Inspection date: 10.02.2019, Type of Inspection: Star rating/MCDR

1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	Kenedy Bauxite Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease area- 188.30 ha.(Non forest land)
3	Minecode	07GUJ07015
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/4988/2011
5	Name of the lessee, Address, phone, email and fax number	M/s. Bharat Abrasives & Chemical Industries. M/s. Bharat Abrasives & Chemical Industries Prabhu Chamber,1 Shreeji Palace, Porbandar - 306575, Dist. Porbandar Pincode-360575 Email- bacikenedy@gmail.com
6	Village	Kenedy
7	Taluka/Mandal	Kalyanpur
8	District	Devbhumi Dwarka
9	Pincode	361305
10	State	Gujarat
11	Post office	Bhatia
12	Nearest police station	Bhatia
13	Nearest Railway station	Bhatia
14	Date of Grant of Mining Lease	07/07/1979
15	Date of Execution	16/10/1979
16	Date of opening of Mine	16/10/1979
17	Date of first Renewal, if applicable and its period & expiry	15/10/1998
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Name of the Nominated Owner- Mr. Bharat Kumar P Makhecha Address- M/s. Bharat Abrasives & Chemical Industries Prabhu Chamber,1 Shreeji Palace, Porbandar - 306575, Dist. Porbandar Pincode-360575 Email- bacikenedy@gmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Name of the Mine Agent- Mr. Dhwanil Antani Address- M/s. Bharat Abrasives & Chemical Industries Prabhu Chamber,1 Shreeji Palace, Porbandar - 306575, Dist. Porbandar Pincode-360575 Email- bacikenedy@gmail.com

22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Name of the Mine Manager- Mr. Gohel Yatin Amarsibhai Address- M/s. Bharat Abrasives & Chemical Industries Prabhu Chamber,1 Shreeji Palace, Porbandar - 306575, Dist. Porbandar Pincode-360575 Email- bacikenedy@gmail.com
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Name of the Mining Engineer- Mr. Gohel Yatin Amarsibhai Address- M/s. Bharat Abrasives & Chemical Industries Prabhu Chamber,1 Shreeji Palace, Porbandar - 306575, Dist. Porbandar Pincode-360575 Email- bacikenedy@gmail.com
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	We have Appointed to Mr. Gohel Yatin Amarsibhai as Mining Engineer and Mr N P Shukla as a Geologist to 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.	Date of Approval of Mining Plan- 15/12/1999 Mining Plan period-1998 to2003 Specific condition in approval letter, if any- Annexure No 1(Mining Plan Approval Letter)
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Date of Approval of Scheme of Mining- 11/02/2015 Five-year period-2015 to 2019 Specific condition in approval letter, if any- Annexure No 1(Scheme of Mining Approval Letter)
27	Mineral(s) granted in lease and proved for mining	Bauxite
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Category A OTFM
30	Captive/Non Captive	Non-Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

Exploration

SN	Item	Proposals (2017-18)	Actual work (2017-18)	Remarks
1a	Backlog of previous year	The area was fully explored by 34 boreholes and 21 pits. Therefore, no exploration is proposed.	-	Area already explored
1b	Exploration over lease area for Geological axis 1 or 2.	No Proposal	NIL	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Exploration agency-Lessee Himself has done exploration work.	Exploration agency-Lessee Himself has done exploration work.	

1d	Balance area to be explored to bring Geological axis in 1 or 2	-.	120.77 Ha.	
1e	Balance reserves as on 01.04.2018 (In tonnes)	(As on 01.04.2017) (111)- 29,23,985 (122)- NIL	(As on 01.04.2018) (111)- 2865949 (122)- NIL	
1f	General remarks of inspecting officer on geology, exploration etc.	Violation under provision of rules 26(2), 28(2), 33 & 35(2) pointed out on dt. 05.03.2019 for rectification.		

2.0 Development

SN	Item	Proposals (2017-18)	Actual work (2017-18)	Remarks
2a	Location of development w.r.t. lease area	Between 38.5-34.5mRL in the already excavated pit & between 42-36.5,41-35.5,40-34.5-39-33.5mRL in virgin area.	As per proposals	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Top Soil- NIL OB-NIL	Top Soil- NIL OB-NIL	There is no any proposal of Top soil and OB
2c	Stripping ratio or ore to OB ratio	1:0.03	1:0.005	
2d	Quantity of topsoil generation in m3	0	0	
2e	Quantity of overburden generation in m3	0	0	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Violation under provision of rules 26(2), 28(2), 33 & 35(2) pointed out on dt. 05.03.2019 for rectification.		

3.0 Exploitation

SN	Item	Proposals (2017-18)	Actual work (2017-18)	Remarks
3a	Number of pits proposed for production	2 Trial Pit	2 trail Pit in	
3b	Quantity of ROM mineral production proposed	531400 MT	58036 MT	Lessee has produced less to due to lack of demand.
3c	Recovery of salable/usable mineral from ROM production	90%	100% (With proper Blending)	
3d	Quantity of mineral reject generation	NIL	NIL	
3e	Grade of mineral reject generation and threshold value declared	NIL	NIL	No Mineral rejects is generated
3f	Quantity of sub-grade mineral generation	No Proposal	Nil	

3g	Grade of sub-grade mineral generation	NIL	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
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	Drilling and blasting is proposed.	NIL	Rock Breaker is deployed for breaking of in situ material.
3k	Provision of mining machineries in mineral benches	Excavator (2.0M ³)-2 nos Tipper (25MT)- 6 nos Jack Hammer (32 mm)-4 nos Compressor(100CF M)-1 nos Water tanker-1 nos	Excavator (2.0M ³)-1 nos Tipper (25MT)- 3 nos Water tanker-1 nos	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	1 bench of 5m height	Height of bench in ore-5 m	
3m	Total area covered under excavation/pits	4.90575 ha.	0.443 Ha	
3n	Ore to OB ratio for the pit/mine during the year	1: 0.03	1: 0.005	
3o	Total area put in use under different heads at the end of year	Pit- 55.202 ha including Mineral Storage- 1.00 ha Road Infrastructure 1.414 ha. green belt –2.345	Pit- 30.955 ha including Mineral Storage- 1.00 ha Road Infrastructure -1.404 green belt – 0.825 ha.	
3p	Production of ROM mineral during last five year Plan period, as applicable	2013-14-1037500 MT 2014-15-1081250 MT 2015-16-1085000 MT 2016-17-1153000 MT 2017-18-511189 MT	2013-14-172373 MT 2014-15-459959 MT 2015-16-299808 MT 2016-17-219531 MT 2017-18-90206 MT	
3q	General remarks of inspecting officer on method of mining etc.	Violation under provision of rules 26(2), 28(2), 33 & 35(2) pointed out on dt. 05.03.2019 for rectification.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2017-18)	Actual work (2017-18)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	OB & Waste generated during mining plan period will be backfilled in	Entire OB & Waste generated during mining plan period has been backfilled	

		part of mined out area	in the part of mined out area and consumed in road repairing work.	
4b	Location of topsoil, OB & mineral reject dumps	No Proposal	No Proposal	No OB/Top soil generated
4c	Number of dumps within lease area and outside lease area	No Proposal	No Proposal	No proposal of any external dumps.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	No Proposal	
4e	Number of active & alive dumps	No Proposal	No Proposal	
4f	Number of dead dumps	No Proposal	No Proposal	
4g	Number of dumps stabilised	No Proposal	No Proposal	
4h	Whether Retaining wall or garland drain all along dumps are there	No Proposal	Garland drain constructed by Lessee.	
4i	Length of Retaining wall or garland drain all along dump	No Proposal	Length of garland drain is 412Mx1x1	
4j	Number of settling ponds	No Proposal	NIL	
4k	Specific comments of inspecting officer	Violation under provision of rules 26(2), 28(2), 33 & 35(2) pointed out on dt. 05.03.2019 for rectification.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2017-18)	Actual work (2017-18)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	0.3717	0.033 Ha.	
5b	Area under backfilling of mined out area	0.3717	0.033 Ha.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Top soil to be utilized on backfilled area	Backfilled area and other plantation area	
5d	Total area fully reclaimed & rehabilitated	NIL	NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Violation under provision of rules 26(2), 28(2), 33 & 35(2) pointed out on dt. 05.03.2019 for rectification.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2017-18)	Actual work (2017-18)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E (2).	-	The PMCP 26(2) of MCDR 2017 report has been	Not submitted. Violation point out.

	Details should be given in the format as given in Annexure-20.		send to IBM, Gandhinagar	
6b	Management of worked/mined out 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	i) 0.50 ii) iii) 50 iv) 607 v) NIL	i) 0.51 Ha. ii) iii) 100 iv) 610 v) NIL	
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	-	-	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	607 sapling	610 sapling planted on backfilled area.	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Air-01 Water-01 Noise-01	Air-08 Water-02 Noise-02	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Violation under provision of rules 26(2), 28(2), 33 & 35(2) pointed out on dt. 05.03.2019 for rectification.		

7.0 Mineral Conservation

SN	Item	Proposals (2017-18)	Actual work (2017-18)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM-531400 MT	Dispatch 92092.295 MT (Cement Grade) & Refractory Grade dispatch 1315.750 MT	grade-wise sorting by manually
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Manually	Manually	

7d	Any beneficiation process at mines	Only manual sorting and sizing	Only manual sorting and sizing	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Violation under provision of rules 26(2), 28(2), 33 & 35(2) pointed out on dt. 05.03.2019 for rectification.		

8.0 Environment

SN	Item	Proposals (2017-18)	Actual work (2017-18)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposal made for the separate removal and spreading of top soil on the backfilled area.	Being done as per the proposal	No top soil generating in this period
8b	Concurrent use or storage of topsoil	NIL	NIL	Top soil has used whenever its produced
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	In the proposed Mining Plan No soil/OB will be Generated, Waste that is likely to be generated will be in the form of mineral waste, which is below the threshold grade, which has no sale value. Waste generation is nil.	Waste generation is 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)	Part of the mineral exhausted pit to be backfilled and remaining part to be converted into water reservoir	Part of the mineral exhausted pit to be backfilled and remaining part to be converted into water reservoir	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	607 saplings	610 Saplings planted	
8g	Survival rate	-	70%	proper care and maintenance survival rate increased
8h	Water sprinkling on roads to control airborne dust	Water to be sprinkled on the haul road to suppress the dust being	Mobile water tankers have been deployed	

		getting airborne	for the purpose.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Violation under provision of rules 26(2), 28(2), 33 & 35(2) pointed out on dt. 05.03.2019 for rectification.		

9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted upto –Jan-2019 A.R. submitted upto-2017-18	

S.N.	Item	Details given in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mr. Gohel Yatin Amarsibhai as Manager & as Mining Engineer, Mr. Nayaran P Shukla as Geologist	Check & found in order	During the inspection it was advised to mine representative to submit the AR & MR correctly for cost of production & Ex mine price as per the guidelines in future.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given	Pit- 30.955 ha including Mineral Storage- 1.00 ha Road Infrastructure -1.404 green belt – 0.825 ha.	
9d	Scrutiny of Annual return on afforestation	Details given	0.825 ha	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Details given	0.0	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Details given	Cement grade- 58036 tonnes	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Details given	Cement grade limestone Ex-mine price Rs. 437.96, Refractory-501.88 Cost per tonne Rs. 328.09	
9i	Scrutiny of Annual return on fixed assets	Details given	Fixed Assets value- Rs. 10891688/	
9k	Scrutiny of Annual return on mining machineries	Details given	Excavator (2.0M ³)-1 nos Tipper (25MT)- 3 nos Water tanker-1nos	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:-

Violation under provision of rules 26(2), 28(2), 33 & 35(2) pointed out on dt. 05.03.2019 for rectification. Star rating validation has done. Validate point 79% against 81% point score.

Place Gandhinagarr

Name: Dr N. K. Mathur

Signature

Date 19-03-2019

Designation: AMG