

MCDR INSPECTION INFORMATION SHEET

1.0 GENERAL

S. N.	Particulars	Details
1(a)	Name of the Mine	Ran Bauxite Mine
1(b)	Name of Inspecting Officer & Designation	Pushpendra Gaur , RCOM, Indian Bureau of Mines, Gandhinagar
1(c)	Accompanying Mines Representatives	Shri P.K Deshpande
1(d)	Type of Inspection	MCDR Inspection
1(e)	Date of Inspection	04.01.2024
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	32.37 Ha. (Govt. Waste Land)
3	Mine code	07GUJ07113
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/280/2011
5	Name of the lessee, Address, phone, email and fax number	M/s. SAURASHTRA CEMENT LIMITED, Near Railway Station Ranavav 360560, Dist.-Porbandar, Gujarat (India), Phone-02801-234200, Email: - scl-rnv@mehtagroup.com, Fax:-02801-234376/234384.
6	Village	Ran
7	Taluka/Mandal	Kalyanpur
8	District	Devbhumi Dwarka
9	Pin code	361315
10	State	Gujarat
11	Post office	Ran
12	Nearest police station	Bhatiya
13	Nearest Railway station	Bhopalka
14	Date of Grant of Mining Lease	31.03.1978
15	Date of Execution	26.07.1978
16	Date of opening of Mine	23.08.1978
17	Date of first Renewal, if applicable and its period & expiry	First renewal submitted on 26.06.1997 for the period of 20 Years i. e. 26.07.1998 to 25.07.2018 (Under Deemed Renewal)
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	Form J (Dt.26.06.1997) (Lease extension letter under MMDR-2015, Letter No.MCR-1577(S-149)1663-CHH, Dt.03-04-2018).
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri M.S Gilotra Address:-2 nd floor ,N.K Mehta International House 178,Back bay Reclamation, Babubhai Chinai Road, Mumbai-4000020, Phone No: - Office No:022 – 66365310, Fax: - 022-66365445/22048122. Email:- msgilotra@mehtagroup.com Date of Appointment: – 15.10.2004.
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Narendra Singh Saurashtra Cement Limited, Near Railway Station, Ranavav-360550. Phone-02801-234257, Fax:-02801-234376-234384. Email:- narendrasingh@mehtagroup.com Date of Appointment – 21.06.2016.
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Vivek D. Ukani Saurashtra Cement Limited Near Railway Station Ranavav-360550,Phone-02801-234230, Fax:-02801-234376-234384 Email – vdukani@mehtagroup.com Date of Appointment – 21.03.2022.
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Vivek D. Ukani Saurashtra Cement Limited Near Railway Station Ranavav-360550,Phone-02801-234230, Fax:-02801-234376-234384 Email – vdukani@mehtagroup.com Date of Appointment – 21.03.2022.
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Yes
25	Date of Approval of Mining Plan/Modified Mining Plan/ Review of Mine Plan with	<i>Date of Approval of Mining Plan :- 26.12.2022</i> <i>Vide letter No. MCDR-MPCP0CaFI/18/2022-GNR-IBM_RO_GNR</i> <i>Period: - 2023-24 to 2027-28</i>

	five-year period and specific condition in approval letter, if any.	
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NA
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)	Other than fully mechanised
30	Captive/Non Captive	Captive

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

Exploration

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
1a	Backlog of previous year	No proposal	Nil	Drilling work completed in Aug.2021. Reserve estimation completed on 15.09.2022, report submitted to the concerned Regional Control of Mines, IBM vide letter No: QRY/RAN/37/2022 Dt. 20.09.2022
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	-	-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	- NIL-	-NIL-	
1e	Balance reserves as on 01.04.2023	In tones Bauxite Proved 2858995 Probable 249767	In tones Bauxite Proved reserve: 3183731 Probable Reserve: 668712	Subsequent to last exploration and estimation of reserve in the year 2021-22
1f	General remarks of inspecting officer on geology, exploration etc.			

2.0 Development-

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
2a (i)	Location of development w.r.t. lease area	E180 TO E266 N211 TO N226	E180 TO E265 N211 TO N223	Working level: two benches with 3m height each i.e. from 39 to 36RL & 42 to 39RL.
2b	Separate benches in topsoil, over-burden and mineral (Rule 15)	NA	NA	No proposal for top soil & overburden
2c	Stripping ratio or ore to OB ratio	1:0.0	1:0.0	No OB generation
2d	Quantity of topsoil generation in m3	NA	NA	No top soil generation
2e	Quantity of overburden generation in m3	NA	NA	No overburden generation
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.			

3.0 Exploitation

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
3a	Number of pits proposed for production	01	01	Pit-3
3b	Quantity of ROM mineral production proposed	15100 tonnes	15099 tonnes	
3c	Recovery of saleable/usable mineral from ROM production	14345 tonne	15099	No mineral reject generated
3d	Quantity of mineral reject generation	5%	Nil	No mineral reject generated
3e	Grade of mineral reject generation and threshold value declared	<30%AL ₂ O ₃ as per threshold value	30%AL ₂ O ₃	Low grade mineral suitably blended to get the this grade in conserving mineral with zero waste mining
3f	Quantity of sub-grade mineral generation	NA	NA	No sub grade generated
3g	Grade of sub-grade mineral generation	NA	NA	No sub grade generated
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Not adopted	Zero waste mining
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	No drilling & blasting are required for mining
3k	Provision of mining machineries in mineral benches	1. BACK HOE-0.900 CUM - 01 2. TIPPER 20 CUM - 01. 3. WATER TANKER 2000 LITRE - 01	1. BACK HOE-0.900 CUM - 01 2. TIPPER 20 CUM - 01. 3. WATER TANKER 5000 LITRE - 01.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	3m-bench height is maintained
3m	Total area covered under excavation/pits	8.758 Ha.	8.66 Ha.	

3n	Ore to OB ratio for the pit/mine during the year	1:0.0	1:0.0	No OB		
3o	Total area put in use under different heads at the end of year	Pit- 8.758 ha.(including-water reservoir) Road-1.81,Mineral storage &Infrastructure -0.79ha, waste disposal-1.363ha & other – 3.94 (plantation-& backfilled)	Pit- 8.66 ha.(including-water reservoir) Road-2.33, Infrastructure - 0.12 ha, Mineral Stack- 0.07ha. waste disposal- 0.71ha &, Plantation-0.5 ha. (reclaimed/rehabilitated 0.14 ha, backfilled-1.53ha)	All figures are as per recently concluded survey for review of mining plan. In last MP, the planation area was covered some portion of naturally grown up shrubs.		
3p	Production of ROM mineral during last five-year period, as applicable	2018-19	14600	2018-19	12280	All figures are in tonnes.
		2019-20	14756	2019-20	10090	
		2020-21	14893	2020-21	13985	
		2021-22	14785	2021-22	12270	
		2022-23	15100	2022-23	15099.312	
3q	General remarks of inspecting officer on method of mining etc.					

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	NA	NA	No top soil & OB
4b	Location of topsoil, OB & mineral reject dumps	NA	NA	No top soil & OB
4c	Number of dumps within lease area and outside lease area	2(within lease area)	2	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Beyond the UPL	Beyond UPL	
4e	Number of active & alive dumps	1	Not made	
4f	Number of dead dumps	NA	2	No top soil & OB
4g	Number of dumps stabilised	NA	Dumps are stable with naturally grown up shrubs	
4h	Whether Retaining wall or garland drain all along dumps are there	NA	NA	
4i	Length of Retaining wall or garland drain all along dump	NA	NA	
4j	Number of settling ponds	NA	NA	
4k	Specific comments of inspecting officer			

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Mineral extracted	Partially extracted	Mined out area & Non Mining Zone-Statutory barrier for GUJ.CH-06
5b	Area under backfilling of mined out area	0.0067	0.0067	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NA	NA	No top soil, mineral is out cropped except incidental soil in variable patches used in plantation
5d	Total area fully reclaimed & rehabilitated	2.73 Ha	1.53 Ha	Partly backfilled area covered under the CH06 GUJ coastal highway,(0.14 Ha fully rehabilitated.)
5e	General remarks of inspecting officer on backfilling, reclamation etc			

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2). Details should be given in the format as given in Annexure-20.	Yes	Yes	
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha)	-	-	
	ii) Afforestation done (ha)	0.05 ha.	0.109 ha.	Plantation on reclaimed land- 0.14, greenbelt-0.5 (in ha)
	iii) No. of saplings planted during the year	100	90	90 plants found survived.
	iv) Cumulative no. of plants	500	600	
	v) Any other specific method of rehabilitation	NA	NA	
	vi) Cost incurred on watch & care during the year	Rs.2,94,400/-	Rs.7,36,390.80/-	Afforestation, aftercare & protection fencing cost, environment monitoring
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	0.0067 ha	0.0067 ha	0.0067ha area backfilled during the year 2022-23.
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NA	NA	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive			

7.0 Mineral Conservation

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	<i>ROM mineral despatch to captive plant after sorting of mineral reject</i>	<i>ROM despatched directly to captive plant after blending to achieve targeted grade of 30% Al₂O₃</i>	Bauxite is used in blending with Limestone in cement manufacturing; i.e. captive consumption at Saurashtra Cement plant, Ranavav Porbandar.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	NA	
7c	Different grade of mineral sorted out at mines	NA	NA	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues			

8.0 Environment

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	No top soil
8b	Concurrent use or storage of topsoil	NA	NA	Whatever incidental soil got during mining is used in plantation
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed for mineral reject	Not produced	No, OB, Mineral reject
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	0.0067	0.0067	Old waste dump used in backfilling
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Pit will be partly reclaimed by old dead dump situated within the lease.	Progressive restoration as per PMCP	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Total numbers of tree to be planted-500 (plan period)	Total Plantation done - 600 up to 31.03.2023	
8g	Survival rate	30 %	94.5%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	Mechanically propelled water tanker
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	.		

9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks
9.1	Status of submission of Monthly and Annual returns	M.R. Submitted up to - December-2023 (03.01.2024) A.R. for 2022-23 submitted on 24.06.2023.	

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	Given	Found in order	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	Found in order	
9d	Scrutiny of Annual return on afforestation	Given	Found in order	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	0	Found in order	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	0	Found in order	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	546.77 for cement grade	Found in order	
9i	Scrutiny of Annual return on fixed assets	Given	Found in order	
9k	Scrutiny of Annual return on mining machineries	Back hoe, Dumper, Water tanker	Found in order	

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