

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	Shri Naman Ekka , Senior Mining Geologist, Regional Office, 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	14.10.2022
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).As per The Mines and Minerals (Development and Regulation) Amendment Act, 2015 the lease period extended from 26.07.2018 to 31.03.2030 vide Letter No. No.MCR-1 577(5-149) 1663-CHH, Dt. 03/04/2018, Industries & Mines Department, Govt. of Gujarat.
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-400020, 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 five-year period and specific condition in approval letter, if any.	<i>Date of Approval of Mining Plan :- 26.02.2018</i> <i>Vide letter No. 684(4) (1)/MP-101/2018-GNR</i> <i>Period: - 2018-19 to 2022-23</i>
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 (Opencast, Underground)	Opencast
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 (2021-22)	Actual work (2021-22)	Remarks
1a	Backlog of previous year	No proposal	299 M	Drilling work completed in Aug.2021. The sample analysis by NABL Lab, reserve estimation & report preparation was completed on 15.09.2022 and the report has been submitted to the concerned Regional Control of Mines, IBM dated vide our official Ref.no.QRY/RAN/37/20 22 dt. 20.09.2022
1b	Exploration over lease area for Geological axis 1 or 2.	No proposal	The whole lease area is explored by borehole core drilling method in specified (50X 50)M grid interval	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	-	Name of the Exploration agency: B K Diamond Core Drilling Syndicate Co., Nijanand Sagar, 8 Archana Park, University Road Rajkot- 360008, Gujarat, India. Rs.5,80,140/- (Excluding applicable GST)	

1d	Balance area to be explored to bring Geological axis in 1 or 2	- NIL-	-NIL-	
1e	Balance reserves as on 01.04.2022	In tones Bauxite (As per annual return 2021-22) Proved 2874735 Probable 249767	In tones Proved reserve Bauxite (Al ₂ O ₃ : 20-48%): 4343283 Probable Reserve for Bauxite & or Aluminous Laterite (Al ₂ O ₃ : 20-48%): 1417830	As per reserve, estimation on 15.09.2022.
1f	General remarks of inspecting officer on geology, exploration etc.	As reported Area has been explored in past by Drilling BH and after that Pitting has been done and influence of already existing pits has also been considered for area to be fully explored.		

2.0 Development-

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
2a (i)	Location of development w.r.t. lease area	<i>E190 TO E301 N230 TO N241 Working level: two benches with 3m height each i.e. from 36 to 30 RL.</i>	<i>E190 TO E301 N230 TO N241 Working level: two benches with 3m height each i.e. from 36 to 32 RL.</i>	
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.	Development of pits has carried out as per proposal by separate benches in Top Soil and Mineral.		

3.0 Exploitation

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
3a	Number of pits proposed for production	01	01	Pit-3
3b	Quantity of ROM mineral production proposed	14785 tonnes	12270 tonnes	Less production in line of captive plant requirement.
3c	Recovery of saleable/usable mineral from ROM production	739 tonne	NA	No mineral reject generated
3d	Quantity of mineral reject generation	5%	NA	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 suitable blended to get the this grade in conserving mineral with zero waste mining
3f	Quantity of sub-grade	NA	NA	No sub grade

	mineral generation			generated																			
3g	Grade of sub-grade mineral generation	NA	NA	No sub grade generated																			
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA																				
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.	8.662 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 - 1.82 ha, waste disposal- 1.363ha & other – 3.94 (plantation-& backfilled)	Pit- 8.67 ha.(including-water reservoir) Road-2.33,Mineral storage &Infrastructure -0.093 ha, waste disposal-0.71ha & other – 1.84 (reclaimed/rehabilitated 0.14 ha, plantation-0.5ha, backfilled-1.2ha)	All figures are as per recently concluded survey for review of mining plan																			
3p	Production of ROM mineral during last five-year period, as applicable	<table border="1"> <tr> <td>2018-19</td> <td>13870</td> <td>2018-19</td> <td>12280</td> </tr> <tr> <td>2019-20</td> <td>14018</td> <td>2019-20</td> <td>10090</td> </tr> <tr> <td>2020-21</td> <td>14148</td> <td>2020-21</td> <td>13985</td> </tr> <tr> <td>2021-22</td> <td>14046</td> <td>2021-22</td> <td>12270</td> </tr> <tr> <td>2022-23</td> <td>14345</td> <td>2022-23</td> <td>-</td> </tr> </table>	2018-19	13870	2018-19	12280	2019-20	14018	2019-20	10090	2020-21	14148	2020-21	13985	2021-22	14046	2021-22	12270	2022-23	14345	2022-23	-	All figures are in tonnes. Figures of 2022-23 is yet to finalise
2018-19	13870	2018-19	12280																				
2019-20	14018	2019-20	10090																				
2020-21	14148	2020-21	13985																				
2021-22	14046	2021-22	12270																				
2022-23	14345	2022-23	-																				
3q	General remarks of inspecting officer on method of mining etc.	Method of mining is Opencast. No Drilling and blasting is being carried out																					

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2021-22)	Actual work (2021-22)	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)	NA	NA	No top soil & OB
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	NA	No top soil & OB
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	As reported No Solid waste generated.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Mineral extracted	Mineral extracted,	Mined out area & Non Mining Zone- Statutory barrier for GUJ.CH-06
5b	Area under backfilling of mined out area	0.0066	0.0066	
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	1.84 Ha	Part of backfilled area covered under GUJ CH-06 has been excluded(1.34ha).
5e	General remarks of inspecting officer on backfilling, reclamation etc	Partial Back filling of the Mine has been carried out.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2021-22)	Actual work (2021-22)	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)	0.25	0.64	Plantation on reclaimed land- 0.14, greenbelt-0.5 (in ha)
	iii) No. of saplings planted during the year	100	100	
	iv) Cumulative no. of plants	500	400	<i>Proposed Cumulative figures form Mining plan period (01-04-2018 to 31-03-2023)</i>
	v) Any other specific method of rehabilitation	NA	NA	
	vi) Cost incurred on watch & care during the year	Rs.2,94,400/-	Rs.6,07,741.30/-	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	0.006	0.006	0.006ha area backfilled during the year
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	PMCP as per Proposals has been carried out.		

7.0 Mineral Conservation

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral despatch to captive plant after sorting of mineral reject	ROM despatched directly to captive plant after blending to achieve targeted grade of 30% Al ₂ O ₃	Bauxite is used in blending with Limestone in cement manufacturing; i.e. captive consumption to Saurashtra Cement plant at 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	No Beneficiation issue reported.		

8.0 Environment

SN	Item	Proposals (2021-22)	Actual work (2021-22)	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	0.006	0.006	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 - 400 upto 31.03.2022	
8g	Survival rate	30 %	95.25%	
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	Mines is surrounded by Little to no Vegetation.		

9.0 Compliance of Rule 45

S.N.	Item	COMMENTS	Remarks
9.1	Status of submission of Monthly and Annual returns	<i>M.R. Submitted up to - September-2022 (04.10.2022)</i> A.R. for 2021-22 submitted on 25.06.2022.	
S.N.	Item	Details GIVEN in A.R. / Observation of I/Officer	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Detail Of Mining Engineer, Geologist & Mine Manager In Annual Return 2021-22, Has Been Mentioned	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Detail Of Land Use Pattern For Area Under Pits, Reclaimed Area, Dumps Etc In Annual Return 2021-22, Has Been Mentioned	
9d	Scrutiny of Annual return on afforestation	Detail Of Afforestation In Annual Return 2021-22, Has Been Mentioned	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NILL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Detail Of Rom Stock And/Or Graded Ore In Annual Return 2021-22, Has Been Mentioned	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Detail Of Sale Value, Ex. Mine Price & Production Cost In Annual Return 2021-22, Has Been Mentioned	
9i	Scrutiny of Annual return on fixed assets	Detail Of Fixed Assets In Annual Return 2021-22, Has Been Mentioned	
9k	Scrutiny of Annual return on mining machineries	Detail Of Mining Machineries In Annual Return 2021-22, Has Been Mentioned	

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

No Significant Violations Observed

Naman Ekka
SMG
