

Regional office: Gandhinagar

File no: GUJ/JMNG/ BXT-28

MCDR INSPECTION REPORT

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

Inspection date: 12.01.2018, Type of Inspection: Review of Mining Plan

1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	Ran Bauxite Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	32.37 Hect (NON-FOREST 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 Ltd Address: -At & P.O Ranavav, Near railway station, District- Porbandar -360560, Gujarat Phone : (2801)304200, F-2801)304384 Email id : scl-mv@mehtagroup.com
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	Bhatia
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(Opening Date)
17	Date of first Renewal, if applicable and its period & expiry	NA
18	Date of second Renewal, if applicable and its period & expiry	Nil
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Form J (Dt.26.06.1997)
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. M.S. Gilotra (Managing Directors) Address: 2 nd floor, N.K. Mehta Intl. House 178, Backbay Reclamation, Babubhai Chinai Road, Mumbai, - 400 020, Fax: 022-22048122 Ph. No. 022-66365444 Email: scl-rnv@mehtagroup.com Date of appointment-27/06/2016
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Narendra Singh Address:-At & P.O Ranavav ,Near railway station ,District- Porbandar -360560 Gujarat Phone :-+91(2801)304200, F +91-(2801)304384, Mail: scl-rnv@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 Chintankumar Thakar Address:-At & P.O Ranavav ,Near railway station ,District- Porbandar -360560 Gujarat

	Phone :-+91(2801)304200, F +91-(2801)304384, Email i.d.: chthakar@mehtagroup.com Date of appointment-18/09/2017
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23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Chintankumar Thakar Qualification-BE (Mining) Total Exp.-4 Years Address:-At & P.O Ranavav ,Near railway station ,District- Porbandar -360560 Gujarat Phone :-+91(2801)304200, F +91-(2801)304384 Email Id.-chthakar@mehtagroup.com Date of appointment-18/09/2017
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
25	Date of Approval of Mining Plan/Modified Mining Plan with 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.	Mining Scheme with approved Number 682(23) (MS – 430)/08 MCCM (N) UDP and letter dated 19/06/2013, period- 2013-14 to 2017-18
27	Mineral(s) granted in lease and proved for mining	Bauxite
28	Method of Mining(Opencast, Underground)	Opencast Working
29	Category (Fully Mechanised, Others or Manual)	Category –B ,OC
30	Captive/Non Captive	Captive

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

Exploration

SN	Item	Proposals (2016-17)	Actual work (2016-17)	Remarks
1a	Backlog of previous year	NIL	NIL	
1b	Exploration over lease area for Geological axis 1 or 2.	NIL	NIL	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NIL	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	
1e	Balance reserves as on 01.04.2016	Proved Mineral reserve-911221 Tonne Probable Mineral reserve-785994 Tonne	Proved Mineral reserve-966932 Tonne Probable Mineral reserve-785994 Tonne	
1f	General remarks of inspecting officer on geology, exploration etc.	Violation under provision of rules 14, 26(2), 33 & 46 pointed out on dt. 19.03.2018 for rectification.		

2.0 Development

SN	Item	Proposals (2016-17)	Actual work (2016-17)	Remarks
2a	Location of development w.r.t. lease area	Section lines D1-D2 Mining Scheme map year wise development plan	As per proposal	Reference – approved Scheme of Mining
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Top soil- Nil OB- Nil Only Bauxite benches	As per proposal	
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m3	NIL	Nil	
2e	Quantity of overburden generation in m3	NIL	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Violation under provision of rules 14, 26(2), 33 & 46 pointed out on dt. 19.03.2018 for rectification. Party has complied all the violation.		

3.0 Exploitation

SN	Item	Proposals (2016-17)	Actual work (2016-17)	Remarks
3a	Number of pits proposed for production	One pit	One pit	
3b	Quantity of ROM mineral production proposed	38637 ton	11510 ton	
3c	Recovery of salable/usable mineral from ROM production	95%	As per proposal	
3d	Quantity of mineral reject generation	4519 Cum	NIL	Blended to use at cement plant
3e	Grade of mineral reject generation and threshold value declared	-	-	
3f	Quantity of sub-grade mineral generation	No Proposal	NIL	
3g	Grade of sub-grade mineral generation	No Proposal	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual opencast	Manual opencast	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Proposal	Not applicable	
3j	Provision of drilling & blasting in mineral benches	NA	NA	
3k	Provision of mining machineries in mineral benches	NA	NA	
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	8.438	8.293	
3n	Ore to OB ratio for the pit/mine during the year	NA	NA	
3o	Total area put in use under different heads at the end of year	17.22	15.22	

3p	Production of ROM mineral during last five-year period, as applicable	Yr-(2013-14) 39051 MT	420 MT	
		Yr-(2014-15) 38819 MT	2060 MT	
		Yr-(2015-16) 38928 MT	7672 MT	
		Yr-(2016-17) 38637MT	11510 MT	
3q	General remarks of inspecting officer on method of mining etc.	Violation under provision of rules 14, 26(2), 33 & 46 pointed out on dt. 19.03.2018 for rectification. Party has complied all the violation.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2016-17)	Actual work (2016-17)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	The Waste generated during mining scheme period shall be temporarily dumped on the existing backfilled area	Nil	No waste generated
4b	Location of topsoil, OB & mineral reject dumps	No Proposal	NA	
4c	Number of dumps within lease area and outside lease area	Two –with in lease area	Same as per proposal	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	
4e	Number of active & alive dumps	One	One	
4f	Number of dead dumps	One	One	
4g	Number of dumps stabilised	One	One	
4h	Whether Retaining wall or garland drain all along dumps are there	No Proposal	NA	
4i	Length of Retaining wall or garland drain all along dump	No Proposal	NA	
4j	Number of settling ponds	No Proposal	NA	
4k	Specific comments of inspecting officer			

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2016-17)	Actual work (2016-17)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	NIL	NIL	
5b	Area under backfilling of mined out area	NIL	NIL	

5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NIL	NIL	
5d	Total area fully reclaimed & rehabilitated	NA	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Violation under provision of rules 14, 26(2), 33 & 46 pointed out on dt. 19.03.2018 for rectification. Party has complied all the violation.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2016-17)	Actual work (2016-17)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E (2). Details should be given in the format as given in Annexure-20.	As per Proposal submitted	Submitted on 1st July 2017 to RCOM office, 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	300Sapling (0.3Hectare)	350Sapling (0.3Hectare)	
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 (Fencing)	No Proposal	No Proposal	

6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	It is proposed to undertake plantation along coastal highway and in 7.5 mts statutory barrier each year about 300 sampling -0.3 Hectare	350 sapling planted- 0.3Hectare	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	-	Regular monitoring of Air in monthly & Water-Quarterly	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Violation under provision of rules 14, 26(2), 33 & 46 pointed out on dt. 19.03.2018 for rectification. Party has complied all the violation.		

7.0 Mineral Conservation

SN	Item	Proposals (2016-17)	Actual work (2016-17)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Proposal made for manual sorting and sizing.	NIL	Blended to make cement grade
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	NIL	-DO-
7c	Different grade of mineral sorted out at mines	NA	NA	
7d	Any beneficiation process at mines	Only manual sorting and sizing.	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Violation under provision of rules 14, 26(2), 33 & 46 pointed out on dt. 19.03.2018 for rectification. Party has complied all the violation.		

8.0 Environment

SN	Item	Proposals (2016-17)	Actual work (2016-17)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	The Waste generated during mining scheme period shall be temporarily dumped on the existing backfilled area/ waste dump	No waste	Blended to make cement grade
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	The Waste generated during mining scheme period shall be temporarily dumped on the existing backfilled area	NIL	No Waste generated
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)	It is proposed to undertake plantation along coastal highway and in 7.5 mts statutory barrier each year about 300 sapling	350 sapling planted	
8g	Survival rate	-	7.50 %	

8h	Water sprinkling on roads to control airborne dust	sprinkling of water shall be done on mine road	Water sprinkling made as and when required	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Violation under provision of rules 14, 26(2), 33 & 46 pointed out on dt. 19.03.2018 for rectification. Party has complied all the violation.		

9.0 Compliance of Rule 45

S. N.	Item	COMMENTS		Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted up to – Dec-2017 A.R. submitted up to- year 2016-2017		
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	Yes	Check & found in order	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Check & found in order	Nil
9d	Scrutiny of Annual return on afforestation	Yes	Check & found in order	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Yes	Check & found in order	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Yes	Check & found in order	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Yes	Check & found in order	Nil
9i	Scrutiny of Annual return on fixed assets	Yes	Check & found in order	Nil
9k	Scrutiny of Annual return on mining machineries	Yes	Check & found in order	Nil

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

Violation under provision of rules 14, 26(2), 33 & 46 pointed out on dt. 19.03.2018 for rectification. Party has complied all the violation.

Place Gandhinagarr

Name: Dr N. K. Mathur

Signature

Date 11-07-2018

Designation: AMG