

INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1 (a)	Name of the Mine	Mewasa Bauxite Mines (3.58Ha)
1(b)	Name of Inspecting officer	Sh. G Ram, Sr.ACOM
1(c)	Date of Inspection	11/01/2018, RMP
1(d)	Accompanying officer	Sh K.S. Nagori, Technical Person & Govind Bhai
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	ML Area: 3.58 ha Survey Nos.: 214/P New
3	Mine code	07GUJ07032
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/248/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Saurashtra Calcine Bxt.& Allied Ind. Ltd. Harshad Road, Post-Bhatiya, Taluka-Kalyanpur, Dist-Devbhumi Dwarka, Gujarat
6	Village	Mevasa
7	Taluka/Mandal	Kalyanpur
8	District	Dev Bhumi Dwarka
9	Pin code	361315
10	State	Gujarat
11	Post office	Mevasa
12	Nearest police station	Kalyanpur
13	Nearest Railway station	Bhatia
14	Date of Grant of Mining Lease	15.10.1981
15	Date of Execution	03.8.1983 (Expiry-02.8.2033 As per MMDR Act 2015)
16	Date of opening of Mine	NA
17	Date of first Renewal, if applicable and its period & expiry	01.2.2002
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	D.K.Raichura, M/s Saurashtra Calcine Bxt.& Allied Ind. Ltd. Harshad Road, Post-Bhatiya, Taluka-Kalyanpur, Dist-Devbhumi Dwarka, Gujarat,02891-233199,233166
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	G.P.Pabari, M/s Saurashtra Calcine Bxt.& Allied Ind. Ltd. Harshad Road, Post-Bhatiya, Taluka-Kalyanpur, Dist-Devbhumi Dwarka, Gujarat, 02891-233199,233166
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Manoj Kumar Mazi,
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	NA-Violation under provision of rule 55(1) (3) of MCDR, 2017 pointed out for rectification.
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	NA-Violation under provision of rule 55(1) (3) of MCDR, 2017 pointed out for rectification.
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining plan was approved in the year 2002 Vide letter No 682(23)/253/2002 MCCM(N) UDP Dated 10.04.2003
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Scheme of mining was approved vide letter no 682(23)/MS/448/2008 MCCM/UDP Dated-11.2.2008 & 682(23) MS-448/2008 MCCM/UDP Dated 21.10.2013 Period from 2013-14 to 2017-18.
27	Mineral(s) granted in lease and proved for mining	Bauxite
28	Method of Mining(Opencast, Underground)	Opencast Mining
29	Category (F/M, Others or Manual)	A-Mechanised
30	Captive/Non Captive	Non-Captive

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

Exploration

SN	Item	Proposals (2016-17 & 2017-18)	Actual work	Remarks
1a	Backlog of previous year	Not proposed	Four trial pits up to 5m depth each	
1b	Exploration over lease area for Geological axis 1 or 2.	The lease area worked by mine pits etc.	Entire lease area is not fully explored by way of Core drilling.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not Proposed	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2		The remaining lease area proposed for exploration in subsequent scheme period	
1e	Balance reserves (Million Tonnes) as on 01.04.2018	UNFC (111,121&122) – 0.162 Million Tonne,		
1f	General remarks of inspecting officer on geology, exploration etc.	The remaining lease area proposed for exploration in subsequent scheme period.		

2.0 Development

SN	Item	Proposals(2016-17 & 2017-18)	Actual work	Remarks
2a	Location of development w.r.t. lease area	It was proposed to work in section N-N' as earmarked in Plate No-6A & 6B	Partly done as proposed due to lagging in ROM production in irregular manner	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	2016-17-2320 M ³ 2017-18-2400M ³	About 100M3	Top soil
2c	Stripping ratio or ore to OB ratio	1:0.2	NIL	
2d	Quantity of topsoil generation in m3	--do--	NIL	
2e	Quantity of overburden generation in m3	Not Proposed	NIL	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	NIL		

3.0 Exploitation

SN	Item	Proposals(2016-17 & 2017-18)	Actual work	Remarks
3a	Number of pits proposed for production	It was proposed to work in pit no1 section M-M' in N-S direction as earmarked in Plate No-6	NIL	
3b	Quantity of ROM mineral production proposed	2016-17=29000T 2017-18=30000T	2016-17=28155T 2017-18=12950T	Entire ROM is utilising.
3c	Recovery of salable/usable mineral from ROM production	2016-17=27750T 2017-18=28500T	2016-17=28155T 2017-18=28500T	Entire ROM is utilising.
3d	Quantity of mineral reject generation	Not Proposed	NIL	
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	NIL	
3f	Quantity of sub-grade mineral generation	Not Proposed	NIL	
3g	Grade of sub-grade mineral generation	Not Proposed	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised/Manual	Mechanised/manual	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	NIL	
3j	Provision of drilling & blasting in mineral benches	J/H Drilling & Blasting	J/H Drilling & Blasting	
3k	Provision of mining machineries in mineral benches	J/H Drilling & Blasting, Tipper, Compressor &	Excavator & J/H Drilling & Blasting,	

		water tanker	Tipper, Compressor & water tanker	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	1-3M bench, Regular	1-3M-Irregular	
3m	Total area covered under excavation/pits	0.708Ha area proposed in plan period,	About 0.31 ha in plan period	
3n	Ore to OB ratio for the pit/mine during the year	1:0.2	1:0.01	
3o	Total area put in use under different heads at the end of year	0.708Ha area proposed in plan period,	About Pit-2.1Ha Storage-0.195Ha ,Road-0.08Ha	
3p	Production of ROM mineral during last five-year period, as applicable	Yr-2013-14 – 32877T Yr-2014-15 – 29524T Yr-2015-16 – 29531T Yr-2016-17– 27750T Yr-2017-18– 28500T	Yr-2013-14 – 18280T Yr-2014-15 – 28470T Yr-2015-16 – 29531T Yr-2016-17– 28155T Yr-2017-18– 12950T	
3q	General remarks of inspecting officer on method of mining etc.	Violation under provision of Rule 11(1), 33,55(1)(3) Pointed out for rectification		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals(2016-17 & 2017-18)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	2016-17-2320 M ³ 2017-18-2400M ³	About 100M ³	
4b	Location of topsoil, OB & mineral reject dumps	Not proposed,	NIL	
4c	Number of dumps within lease area and outside lease area	Not Proposed	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	NA	
4e	Number of active & alive dumps	Not Proposed	NA	
4f	Number of dead dumps	Not Proposed	NA	
4g	Number of dumps stabilised	Not Proposed	NA	
4h	Whether Retaining wall or garland drain all along dumps are there	Not Proposed	NA	
4i	Length of Retaining wall or garland drain all along dump	Not Proposed	NA	
4j	Number of settling ponds	Not Proposed	NA	
4k	Specific comments of inspecting officer	NIL		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals(2016-17 & 2017-18)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	2016-17-580 M ³ 2017-18-600M ³	About 461M ³	
5b	Area under backfilling of mined out area	No proposal	Existing-0.549Ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal	NIL	
5d	Total area fully reclaimed & rehabilitated	No proposal	NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc	NIL		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals(2016-17 & 2017-18)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23 E (2).	Proposed	Yes	

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	0.06Ha 0.01ha 20 100M fencing 7000 Rs	0.02ha 0.01Ha 20 N.A N.A	Violation under provision of Rule 11(1), 33, 55(1) (3) Pointed out for rectification.
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	0.062Ha NA NA	0.02Ha NIL NIL	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NIL	NIL	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposed	Env. Monitoring is being carried out periodical.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Violation under provision of Rule 11(1), 33, 55(1) (3) Pointed out for rectification.		

7.0 Mineral Conservation

SN	Item	Proposals(2016-17 & 2017-18)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Yr-2016-17– 27750T Yr-2017-18– 28500T	2016-17– 28155T 2017-18– 12950T	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	NIL	
7c	Different grade of mineral sorted out at mines	Manual	NIL	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Violation under provision of Rule 11(1),33, 55(1)(3) Pointed out for rectification.		

8.0 Environment

SN	Item	Proposals(2016-17 & 2017-18)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	2016-17-2320 M ³ 2017-18-2400M ³	About 100M ³	
8b	Concurrent use or storage of topsoil	Not proposed	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Location proposed as earmarked in Plate-6	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Location proposed as earmarked in Plate-6	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Location proposed as earmarked in Plate-6	NIL	
8f	Baseline information on existence	N.A	NIL	

	of plantation & additional plantation done (Rule 41)			
8g	Survival rate	N.A	About 75-80%	
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling carried out on the haul road round the clock	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Violation under provision of Rule 11(1), 33, 55(1) (3) Pointed out for rectification & under process.		

9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks
.	Status of submission of Online Monthly and Annual returns	M.R. Submitted up to till date – Before 10 th of every month & A.R. submitted up to till date- 14.7.2017	
S.N	Item	Details GIVEN in A.R. (2016-17) Observation of I/Officer /Actual reported in Returns	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Violation under provision of Rule 55(1)(3) Pointed out for rectification.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	O/C working-2.6 Ha area, Others-0.06Ha	N.A
9d	Scrutiny of Annual return on afforestation	100 Plants & Survival-40%	Afforestation-poor survival & advised to protect.
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NIL	--
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Cement Grade-O/s- 8827.84, Dispatch- 820.51, C/s- 32207.330 & Refractory grade O/s-13.645 Dispatch- 2146.15, C/s- 1822.495	N.A
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Cement-Ex Mine Price- 755Rs./T & Ref-550Rs/T Cost -324Rs/T	N.A
9i	Scrutiny of Annual return on fixed assets	Not given	Advised to submit
9k	Scrutiny of Annual return on mining machineries	Not given	Advised to submit

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - Presently mine was inspected for Review of Mining Plan inspection & violation under provision of Rule 11(1), 33,55(1)(3) observed & Pointed out for rectification & under process. Party withdrawn the RMP due to non-submission of final document & further submitted to this office & approved dated 16/4/2018.