

## INSPECTION REPORT

## 1.0 GENERAL

SN	Particulars	Details
1 (a)	Name of the Mine	Mewasa Bauxite Mines
1(b)	Name of Inspecting officer	Sh. G Ram, Sr.ACOM
1(c)	Date of Inspection	10/01/2018, RMP
1(d)	Accompanying officer	Sh K.S. Nagori, Technical Person & Paresh Thanki
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	ML Area: 12.14 ha Survey Nos.: 330P(old)& 437/P New
3	Mine code	07GUJ07027
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/1100/2000
5	Name of the lessee, Address, phone, email and fax number	Mr Harijivan Purshotam Das Thanki, East Kadia Plot, Porbandar, Gujarat-360575,02862-245237 9687944824, calbaux@gmail.com
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	15.1.1982
15	Date of Execution	14.2.1983 (Expiry-14.1.2031 As per MMDR Act 2015 )
16	Date of opening of Mine	10/6/1989
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	Mr Harijivan Purshotam Das Thanki, East Kadia Plot, Porbandar, Gujarat-360575,02862-245237 9687944824, calbaux@gmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr Harijivan Purshotam Das Thanki, East Kadia Plot, Porbandar, Gujarat-360575,02862-245237 9687944824, calbaux@gmail.com
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	NA
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	NA
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes Appointed, Mrs. Hema Kapuria, MSc (Geology) Geologist
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 2005 Vide letter No 682(23)/420/2003 MCCM(N) UDP Dated 09.11.2005
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/584/2010 MCCM/UDP Dated-31.5.2011 & 682(23) MS-584/10 Dated 01.1.2016 Period from 2016-17 to 2017-18.
27	Mineral(s) granted in lease and proved for mining	Bauxite
28	Method of Mining(Opencast, Underground)	Opencast Mining
29	Category (Fully Mechanised, 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	Two trench-4mx4mx Depth up to lithomarge clay	Not done due to mine workings discontinued from June, 2015 to till date.	
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. Presently mine is not working from June, 2015 to till date.	
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 01.04.2017	UNFC (111,121&122) – 0.480 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 pit no1 section M-M' in N-S direction as earmarked in Plate No-6	Not Done	Presently mine is not working from June, 2015 to till date.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	2016-17-Not Proposed 2017-18-32435M <sup>3</sup>	NIL NIL	
2c	Stripping ratio or ore to OB ratio	1:1.4	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=49896T 2017-18=49401T	2016-17=0T 2017-18=0T	
3c	Recovery of salable/usable mineral from ROM production	2016-17=39917T 2017-18=39521T	2016-17=0T 2017-18=0T	
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	Mechanised	
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	Excavator & J/H Drilling & Blasting, Tipper, Compressor	N.A	

		& water tanker		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6M bench, Regular	5-6M-Irregular	
3m	Total area covered under excavation/pits	0.499Ha area proposed in plan period, Total Excavated area-about 6.75ha	NIL, Total Excavated area-about 6.75ha	
3n	Ore to OB ratio for the pit/mine during the year	1:1.4	Nil	
3o	Total area put in use under different heads at the end of year	0.499Ha area proposed in plan period, Total Excavated area-about 6.75ha	Pit-6.75Ha Storage-0.01Ha,Road-0.018Ha	
3p	Production of ROM mineral during last five-year period, as applicable	Yr-2013-14 – 32877T Yr-2014-15 – 35904T Yr-2015-16 – NIL Yr-2016-17– 49896T Yr-2017-18– 49401T	Yr-2013-14 – 47100T Yr-2014-15 – 63050T Yr-2015-16 – NA Yr-2016-17– 0T Yr-2017-18– 0T Till Dec.17	
3q	General remarks of inspecting officer on method of mining etc.	Violation under provision of Rule 11(1),45(5)(b) & 45(5)(c),33,55(1)(3) Pointed out for rectification & Presently mine is not working from June, 2015 to till date.		

#### **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-Not Proposed 2017-18-32435M <sup>3</sup>	NIL	
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	No proposal	NIL	
5b	Area under backfilling of mined out area	No proposal	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No proposal		
5d	Total area fully reclaimed & rehabilitated	No proposal		
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	NIL	

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	0.04Ha 50 No    5000 Rs	NIL NIL    NIL	Presently mine is not working from June, 2015 to till date. Violation under provision of Rule 11(1),45(5)(b) & 45(5)(c),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	0.0415Ha  0.6065M <sup>2</sup>	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	Presently mine is not working from June, 2015 to till date. Violation under provision of Rule 11(1),45(5)(b) & 45(5)(c),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	2016-17=49896T 2017-18=49401T	2016-17=0T 2017-18=0T Till date	
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	Presently mine is not working from June, 2015 to till date. Violation under provision of Rule 11(1), 45(5) (b) & 45(5)(c),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-Not Proposed 2017-18=32435M <sup>3</sup>	NIL	
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 of plantation & additional plantation done (Rule 41)	N.A	NIL	
8g	Survival rate	75-80%	NA	
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	Presently mine is not working from June, 2015 to till date. Violation under provision of Rule 11(1), 45(5) (b) & 45(5)(c),33,55(1)(3) Pointed out for rectification.		

**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 <sup>th</sup> of every month & A.R. submitted up to till date-		
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.		The lessee/ party has not been submitted the online annual return for the year 2016-17 with in stipulated time & violation pointed out for rectification.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NIL	NIL	
9d	Scrutiny of Annual return on afforestation	NIL	----	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NIL	--	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	---	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	NIL	--	
9i	Scrutiny of Annual return on fixed assets	NA	--	
9k	Scrutiny of Annual return on mining machineries	NIL	--	

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), 45(5) (b) & 45(5)(c),33,55(1)(3) - observed & Pointed out for rectification. Presently mine is not working from June, 2015 to till date. The Review of mining plan was not-approved by this office due to time bared, subsequently violation of provision of Rule 11(4) & 27(1) pointed out to lessee for rectification & under process.