

## INSPECTION REPORT

**1.0 GENERAL**

SN	Particulars	Details
1(a)	Name of the Mine	Sorna Bauxite Mines (2.0256Ha)
1(b)	Name of Inspecting officer	Sh. Darshan Deep Bhardwaj, Sr.ACOM
1(c)	Date of Inspection	19.03.19
1(d)	Accompanying official	Sh. Brijesh Bhai Patel
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	ML Area: 2.205 ha Survey Nos.: 546P(old)
3	Mine code	07GUJ09022
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/8489/2012
5	Name of the lessee, Address, phone, email and fax number	Shri Darshan Kumar N Doshi S/o Late Shri Narendar Kumar J.Doshi, R/o Chandul O Desai Petrol Pump, Opp.Town Hall, Kaparwanj, Kheda District, Gujarat-387620 9377762434, patelbhupendrabhai@rocketmail.com
6	Village	Sorna
7	Taluka/Mandal	Kaparwanj
8	District	Kheda
9	Pin code	387620
10	State	Gujarat
11	Post office	Kaparwanj
12	Nearest police station	Kaparwanj
13	Nearest Railway station	Kaparwanj
14	Date of Grant of Mining Lease	16.8.1994
15	Date of Execution	16.8.1994 (Expiry-15.8.2044 As per MMDR Act 2015, under process)
16	Date of opening of Mine	1994
17	Date of first Renewal, if applicable and its period & expiry	19.7.2013 for 30 years
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	Shri Dharshan Kumar N Doshi, S/o Late Shri Narendar Kumar J.Doshi, R/o Chandul O Desai Petrol Pump, Opp.Town Hall, Kaparwanj, Kheda District, Gujarat-387620 9377762434, patelbhupendrabhai@rocketmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Dharshan Kumar N Doshi, S/o Late Shri Narendar Kumar J.Doshi, R/o Chandul O Desai Petrol Pump, Opp.Town Hall, Kaparwanj, Kheda District, Gujarat-387620 9377762434, patelbhupendrabhai@rocketmail.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.	NA
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Scheme of mining was approved vide letter no 682(23)/MS/675/2009 MCCM/UDP Dated-14.7.2009
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/675/2009 MCCM/UDP Dated-14.7.2009 for 2009-10 to 2013-14.
27	Mineral(s) granted in lease	Bauxite
28	Method of Mining(Opencast,/UG)	Opencast Mining
29	Category (FM, Others or Manual)	A-Mechanised
30	Captive/Non Captive	Non-Captive

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

**1.0 Exploration**

SN	Item	Proposals (2016-17 & 2017-18)	Actual work	Remarks
1a	Backlog of previous year	Not Proposed	Not done	
1b	Exploration over lease area for Geological axis 1 or 2.	Not Proposed	Not done	
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	Not Proposed	Further detail exploration, proposed in next due scheme period.	
1e	Balance reserves (Million Tonnes) as on 01.04.2018	UNFC (111,121&122) – 0.104265Million Tonne as per last approved Review of mining plan (14.7.09). Depletion of production achieved of about 24475T & balance reserves is about 0.079790MT		
1f	General remarks of inspecting officer on geology, exploration etc.	The part of lease area is still remaining for further exploration work.		

**2.0 Development**

SN	Item	Proposals(2016-17 & 2017-18)	Actual work	Remarks
2a	Location of development w.r.t. lease area	Not Proposed	Single pit worked	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Not Proposed	NIL NIL	
2c	Stripping ratio or ore to OB ratio	Not Proposed	NIL	
2d	Quantity of topsoil generation in m3	Not Proposed	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.	Violation under provision of Rule 11(1), 45(5) (b) & 45(5) (c), 27(1), 35(2), 26(2), 55(1) (3) Pointed out for rectification.		

**3.0 Exploitation**

SN	Item	Proposals(2016-17 & 2017-18)	Actual work	Remarks
3a	Number of pits proposed for production	Not Proposed	Single pit, mine worked during the year	
3b	Quantity of ROM mineral production proposed	2016-17=Not Proposed 2017-18=Not Proposed	2016-17=5965T 2017-18=13210T	
3c	Recovery of salable/usable mineral from ROM production	2016-17=Not Proposed 2017-18=Not Proposed	2016-17=5965T 2017-18=13210T	
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 & water tanker	N.A	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3M bench, Regular	3-4M-Irregular	

3m	Total area covered under excavation/pits	Not Proposed	NIL, Total Excavated area-about 1.12ha	
3n	Ore to OB ratio for the pit/mine during the year	Not Proposed	Nil	
3o	Total area put in use under different heads at the end of year	Not Proposed	Pit-1.12Ha, Road-0.02Ha, Storage-0.05Ha	
3p	Production of ROM mineral during last five-year period, as applicable	Yr-2013-14 – 10263T Yr-2014-15 – NA Yr-2015-16 – NA Yr-2016-17– NA Yr-2017-18– NA	Yr-2013-14 – 0T Yr-2014-15 – 0T Yr-2015-16 – 0T Yr-2016-17– 5965T Yr-2017-18– 13210T	Violation pointed out under rule 11(1) of MCDR2017
3q	General remarks of inspecting officer on method of mining etc.	Already Violation under provision of Rule 11(1), 45(5) (b) & 45(5) (c), 27(1), 35(2), 26(2), 55(1) (3) pointed during previous inspection. The lease was not in operation at the time of inspection.		

#### 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)	Not Proposed	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	Proposed	Not submitted.	Violation pointed out during previous inspection.
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	0.01Ha 20 No    NA	NIL NIL    NIL	

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	NA NA	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	No reports available	
6f	General remarks of inspecting officer on PMCP compliance & progressive	The lease was not operation during inspection of mine		

#### 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=Not Proposed 2017-18=Not Proposed	2016-17=5965T 2017-18=13210T	
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	The lease was not operation during inspection of mine		

#### 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-Not Proposed	NIL	Mine was not in operation
8b	Concurrent use or storage of topsoil	Not proposed	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposal	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	NIL	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	N.A	NIL	
8g	Survival rate	No proposal	Not available	
8h	Water sprinkling on roads to control airborne dust	No proposal	Not available	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are			

#### 9.0 Compliance of Rule 45

S.N.	Item	COMMENTS	Remarks
	Status of submission of Online Monthly and Annual returns	M.R. Submitted and A.R submitted	
S.N.	Item	Details GIVEN in A.R. ( 2017-18) Observation of I/Officer /Actual reported in Returns	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	This mine was not in operation at the time of inspection.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed	NIL	- Violation has been issued

	area, dumps etc.			inspection of mine. The violation of Rule 45(5) (c) has been sent.
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: - Mine was inspected for the star rating and it was observed that the mine was not in operation during inspection. The violation of Rule 45(5)(c) has been sent. The Violation under provision of Rule 11(1), 45(5) (b) & 45(5) (c), 27(1), 35(2), 26(2), 55(1) (3) was Pointed out during last inspection.