

MCDR INSPECTION REPORT (RMP)

1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	Sultani Bauxite Mines
	Name of the Inspecting Officer	Naman Ekka SMG
	Date of Inspection	12/01/2023 (MP)
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	53.61 Ha
3	Mine Code	07GUJ07111
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/6251/2011
5	Name of the lessee, Address, phone, email and fax number	Mr Ramniklal Mulji Thanki, Jeevan Jyot, M.G.Road Porbandar District- Jamnagar Gujarat
6	Village	Virpur
7	Taluka/Mandal	KALYANPUR
8	District	Jamnagar
9	Pincode	360575
10	State	GUJARAT
11	Post office	Mevasa
12	Nearest police station	BHATIA
13	Nearest Railway station	BHATIA
14	Date of Grant of Mining Lease	02/12/1995
15	Date of Execution	05/02/1996
16	Date of opening of Mine	01/03/1996
17	Date of first Renewal, if applicable and its period & expiry	
18	Date of second Renewal, if applicable and its period & expiry	
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr Ramniklal Mulji Thanki, Jeevan Jyot, M.G.Road Porbandar District- Jamnagar Gujarat
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mining Engg. And Geologist Have not been appointed.
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Mining Engg. And Geologist Have not been appointed.
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.	Modified Mining Plan – 684(4)(1)/MP-230(175)/2019-20-GNR Dated 09/07/2019
27	Mineral(s) granted in lease and proved for mining	Bauxite

28	Method of Mining(Open cast, Underground)	Open Cast
29	Category (Fully Mechanised, Others or Manual)	Fully Mechanised
30	Captive/Non Captive	Non-Captive

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

Exploration

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
1a	Backlog of previous year	No	05 Nos. of Trial Pits	
1b	Exploration over lease area for Geological axis 1 or 2.	No Proposal	05 Nos. of Trial Pits covering the area in G1 Category.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No Proposal	As reported Trial Pits Expenditure has been included in Mining Cost.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposal	05 Nos. of Trial Pits covering the area in G1 Category.	
1e	Balance reserves. (31.032022)	111 – 0972305 MT	111 – 0972305 MT	
1f	General remarks of inspecting officer on geology, exploration etc.	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 (2022-23)	Actual work (2022-23)	Remarks
2a	Location of development w.r.t. lease area	In the proposed mining, mining will be start from north part of the area.	East-West	
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	No Proposal	As reported no work carried out.	
2c	Stripping ratio or ore to OB ratio	1:0.2	1:0.2	
2d	Quantity of topsoil generation in m ³	No Proposal	As reported no work carried out.	
2e	Quantity of overburden generation in m ³	No Proposal	As reported no work carried out.	
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 benches in Mineral.		

3.0 Exploitation

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
3a	Number of pits proposed for production	01 Pits proposed for production	As Reported 01 Pits was in production	
3b	Quantity of ROM mineral production proposed	116214 Tons	28400 Tons	
3c	Recovery of salable/usable mineral from ROM production	100%	As Reported 100% Recovery of salable/usable mineral from ROM production was done.	
3d	Quantity of mineral reject generation	5811	As reported Nil Mineral reject Generated	
3e	Grade of mineral reject generation and threshold value declared	-	As reported Nil Mineral reject Generated	
3f	Quantity of sub-grade mineral generation	-	As reported Nil sub-grade mineral generated	
3g	Grade of sub-grade mineral generation	-	As reported Nil sub-grade mineral generated	

3h	Manual / Mechanised method adopted for segregating from ROM	MANUAL	MANUAL	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No Proposal	As reported no work carried out.	
3j	Provision of drilling & blasting in mineral benches	No Proposal	As reported no work carried out.	
3k	Provision of mining machineries in mineral benches	Yes	Yes mining machineries were used.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed	Yes	
3m	Total area covered under excavation/pits	6.4279 hect	6.2095 hect	
3n	Ore to OB ratio for the pit/mine during the year	1:0	1:0	
3o	Total area put in use under different heads at the end of year	Area Under Mining 4.0208	Area Under Mining 4.0208	
3p	Production of ROM mineral during last five-year period, as applicable	Yr 2017- 18 - 70069 Yr 2018 – 19 - 116214 Yr 2019- 20 - 116210 Yr 2020- 21 – 116214 Yr 2021-22 - 116214	Yr 2017- 18 – 69780 Yr 2018 – 19 – 73750 Yr 2019- 20 - 29036 Yr 2020- 21 – NIL Yr 2021-22- 28400	
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 (2022-23)	Actual work (2022-23)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	No Proposal	As reported no work carried out.	
4b	Location of topsoil, OB & mineral reject dumps	No Proposal	As reported no work carried out.	
4c	Number of dumps within lease area and outside lease area	No Proposal	As reported no work carried out.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	As reported no work carried out.	
4e	Number of active & alive dumps	No Proposal	As reported no work carried out.	
4f	Number of dead dumps	No Proposal	As reported no work carried out.	
4g	Number of dumps stabilised	No Proposal	As reported no work carried out.	
4h	Whether Retaining wall or garland drain all along dumps are there	No Proposal	As reported no work carried out.	
4i	Length of Retaining wall or garland drain all along dump	No Proposal	As reported no work carried out.	
4j	Number of settling ponds	No Proposal	As reported no work carried out.	
4k	Specific comments of inspecting officer	As reported No Solid waste generated.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Full Extraction	The area has not been fully mined out.	
5b	Area under backfilling of mined out area	No proposal	The area has not been fully mined out.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Proposal of dumping the topsoil in 7.5 m safety barrier zone if generated	As reported no work carried out.	

		any.		
5d	Total area fully reclaimed & rehabilitated	No proposal.	As reported the area has not been fully mined out.	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No Back filling of the Mine has been carried out.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2022-23)	Actual work (2022-23)	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.	Proposed	Submitted	
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	- 0.0500 100 510 - 5000	 0.0500 150 500 5000	
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	NILL NIL 6737 ^{M2} 100M	NILL NIL 3780 ^{M2} 100M	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NILL	NILL	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposed	As reported Compliance of Environmental monitoring (core zone & buffer zone) is done quarterly	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP Compliance is done as per proposal.		

7.0 Mineral Conservation

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade Wise Sorting Within Lease Area	Grade Wise Sorting Within Lease Area	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	As proposed Bauxite Is Hand Sorted Within The Quarry For Different Grade, Such As A Abresive Grade , Refractory Grade,	As reported Bauxite Is Hand Sorted Within The Quarry For Different Grade, Such As A Abresive Grade , Refractory Grade, Ceramic	

		Ceramic Grade,Cement Grade ,(Low Grade)	Grade,Cement Grade ,(Low Grade)	
7d	Any beneficiation process at mines	No such Proposal	As Reported No beneficiation process at mines is carried out.	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No Beneficiation issue reported.		

8.0 Environment

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	No Proposal	As reported no work carried out.	
8b	Concurrent use or storage of topsoil	No Proposal	As reported no work carried out.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	No Proposal	As reported no work carried out.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	As reported no work carried out.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	In the approved mining scheme it was proposed that the mined out land will be backfilled.	As reported no work carried out.	
8f	Baseline information on existence of plantation & additional plantation done	150 plants on 0.050 Ha.	As reported Cumulative 500 Plants has been planted with a survival rate of nearly 80%	
8g	Survival rate	No Proposal	80 %	
8h	Water sprinkling on roads to control airborne dust	IT IS PROPOSED TO SPRINKLING WATER ON HAUL ROAD .	WATER SPRINKLING ON HAUL ROAD REGULLARLY.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Mines is surrounded by Little to no Vegetation.		

9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted upto – Jan. 2023 A.R. submitted upto- 2022-23 on 27/06/2022	

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	Geologist in charge : - MR BIREN CHAUHAN Mining Engineer: - MR VISHAL KAMALIYA		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) Already exploited and abandoned by opencast (O-C) mining – 3.530 Ha. (ii) MINERAL STORAGE – 0.40 Ha (iii) Occupied by plant, buildings, residential, welfare buildings and roads – 0.018 Ha.		As per Approved MP Area under mining at the beginning of FY 2022-23 is 4.0208 Ha.
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year – 250 Survival Rate – 80 %		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NIL		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Graded Stock has been reported.		

9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-Mine price and Cost of Production reported	
9i	Scrutiny of Annual return on fixed assets	Value of Fixed Assets Reported - NIL	
9k	Scrutiny of Annual return on mining machineries	Only Tipper Reported	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:-
Violation of Rule - 11(1), 11(4), 27,33 55(1)3(i) of MCDR 2017

Naman Ekka
Sr. Mining Geologist
