

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	Chhelana Bauxite Mine, (Sy. No.114/B)
2A	Inspecting officer with date, Type	G.Ram, Sr. ACOM, 26/6/2021, Star Rating
2B	Accompanying official	Sh. Manu Bhai Mori
3	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total area-12.67Ha, Non-Forest land
4	Mine code & IBM Registration Number under rule 45 of MCDR, 17	07GUJ02001 & IBM/272/2011
5	Name of the lessee, Address, phone, email and fax number	Shri Pratap Singh A Mori, Village-Pipli, Taluka-Kodinar, District-Amreli, Gujarat- 360 720
6	Village	Chhelana
7	Taluka/Mandal	Jafarabad
8	District	Amreli
9	Pin code	362720
10	State	Gujarat
11	Post office	Timbi
12	Nearest police station	Jafarabad
13	Nearest Railway station	Rajula
14	Date of Grant of Mining Lease	10.11.1979
15	Date of Execution	31.5.1929, as per MMDR Amendment Act, 2015
16	Date of opening of Mine	--
17	Date of first Renewal, if applicable and its period & expiry	MCR-1094-1389-CHH Dated 07.1.2002 & subsequently lease deed executed & reg. on 17.5.2002.
18	Date of second Renewal, period & expiry	NA
19	Date of submission of renewal application / deemed extension if any	NA, As per MMDR Amendment Act, 2015 mining lease extended Vide letter No.MCR-1579-M-39/3862-CHH-1 Dated 04.8.2018 up to 31.5.2029.
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri PratapSingh A Mori, Village-Pipli, Taluka-Kodinar, District-Amreli, Gujarat- 360 720
21	Name of the Mine Agent, Address, phone, email, fax & date of appointment	Shri PratapSingh A Mori, Village-Pipli, Taluka-Kodinar, District-Amreli, Gujarat- 360 720
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	--NA-
23	Name of the ME, Qua. & Exp., Address, phone, email, fax, date of appointment	--NA-
24	Whether Geologist & ME appointed in mines satisfy the rule	--NA-
25	Date of Approval of Mining Plan /Modified Mining Plan with five-year period and specific condition in approval letter, if any.	MP was approved vide letter No-682(23)(MP-73/2000/MCCM (N)/UDP Dated-22.12.2000
26	Date of Approval of SOM/RMP with five-year period and specific condition in approval letter, if any.	RMP was approved vide letter No-682(23)(MS-622/2011/MCCM (N)/UDP Dated-20.9.2016 for 2016-17 to 2019-20.
27	Mineral(s) granted in lease	Bauxite
28	Method of Mining (O/C, U/G)	Opencast
29	Category (FM, Others or Manual)	Mechanized
30	Captive/Non Captive	Non-Captive

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

1.0 Exploration

SN	Item	Proposals 2020-21	Actual work	Remarks
1a	Backlog of previous year	Lessee has not done the previous year exploration.		
1b	Exploration over lease area for Geological axis 1 or 2.	It was proposed to drill 04 No of exploratory borehole	Not done	VL pointed out.
1c	Exploration Agency & Expenditure in lakh Rupees during the year			
1d	Balance area to be explored to bring Geological axis in 1 or 2	Balance area is proposed for exploration in plan period.		

1e	Balance reserves as on 01.4.2020 (111, 121 & 122)	Reserves-Proved (111) = 4, 32, 841 T, & 121&122-14,12,278T (As per approved RMP-07.10.20)
1f	General remarks of inspecting officer	Lessee itself has explored the lease area by way of trial pits & developing opencast mine pits but still remain area to explore.

1.0 **Development**

SN	Item	Proposals 2020-21	Actual work	Remarks
2a	Location of development w.r.t. lease area	It was proposed to work in Pit No.1 & 2as earmarked	Deviated due to lagging in ROM	During inspection, pits were water logged.
2b	Separate benches in topsoil, overburden and mineral	Proposed	Maintained separately benches.	
2c	Stripping ratio or ore to OB ratio	1:0.1	1:0.0	
2d	Quantity of topsoil generation in m3	Not proposed	-----	
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.	Mining lease area is developed by existing mine pits etc. & bauxite of low grade deposit are existed.		

2.0 **Exploitation**

SN	Item	Proposals 2020-21	Actual work	Remarks
3a	Number of pits proposed for production.	Pit No.1 & 2	Pit No.1 water logged pit area observed.	
3b	Quantity of ROM mineral production proposed	62,502T	500T	
3c	Recovery of saleable/usable mineral from ROM production	52,252T	100%	
3d	Quantity of mineral reject generation	6,250T	NIL	
3e	Grade of mineral reject generation and threshold value declared	Above THV & below cut-off grade bauxite	THV-Al ₂ O ₃ -30%(Min) & SiO ₂ (total)-7%	
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	Manual / mechanised	Manual / mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade/ mineral reject	Not Proposed	Not done	-
3j	Provision of drilling & blasting in mineral benches	Not proposed	Not done	-
3k	Provision of mining machineries in mineral benches	JCB-01, Tippers ,water pump	JCB-01,Tipper-02	
3l	Whether height of benches in OB & mineral suitable for method of mining proposed	Mechanised working with regular bench height	Mechanised with irregular bench height	
3m	Total area covered under excavation/pits	---	Total Pits area about- 6.50ha	
3n	Ore to OB ratio for the pit/mine during the year	1:0.0	1:0.0	
3o	Total area put in use under different heads at the year end	Pit- 6.5ha, Infrastructure-0.10Ha & Road-0.5 ha		
3p	Production of ROM mineral during last five-year period, as applicable	2017-18= 130282T 2018-19= 156338T 2019-20= 187605T 2020-21= 62,502T 2021-22=1,24,740T	2017-18= 15000T 2018-19= 4500T 2019-20= 2000T 2020-21=500T (MR) 2021-22= 0T (Till date)	Lessee is not submitted the online return & VL pointed out.
3q	General remarks of inspecting officer on method of mining etc.	Mechanised opencast method of mining with JCB/Excavator with tipper combination. During present inspection mine pits were water logged.		

3.0 Solid Waste Management-Dumping

SN	Item	Proposals 2020-21	Actual work	Remarks
4a	Separate dumping of topsoil, OB/Mineral reject	Proposed for utilised for plantation purposes.	Top soil was utilised for plantation purposes	
4b	Location of topsoil, OB & mineral reject dumps	Proposed for plantation work	Done accordingly.	
4c	Number of dumps within lease area and outside lease area	None	None	
4d	Location of dumps w.r.t. ultimate pit limit	Not applicable	Not applicable	
4e	Number of active & alive dumps	No proposal	Not applicable	
4f	Number of dead dumps	Nil	NIL	
4g	Number of dumps stabilised	Not applicable	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there	-	NIL	
4i	Length of Retaining wall or garland drain all along dump	Not applicable	NIL	
4j	Number of settling ponds	Not proposed	NIL	
4k	Specific comments of inspecting officer	During inspection mine was not working & reported discontinued due to water logged & quality constraints.		

4.0 Solid Waste Management-Backfilling

SN	Item	Proposals 2020-21	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	62,502T	500T	
5b	Area under backfilling of mined out area	Not Proposed	Not done	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	Not Proposed	NIL	
5d	Total area fully reclaimed & rehabilitated	Not proposed	NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	NIL		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals 2020-21	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Details should be given in the format.	Proposed	Annual PMCP report is not submitted till date.	VL under provision of Rule 26(2) pointed out.
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	Not proposed	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	Not proposed	NIL	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	20 No of Saplings Fencing 20m	50No of Saplings ----	Poor survival
6e	Compliance of Environmental monitoring (core/buffer zone)	Periodically monitoring propose.	As per proposal	Third party
6f	General remarks of inspecting officer on PMCP compliance & progressive	The annual PMCP report for the year 2020-21 is not submitted. VL under provision of Rule 26(2) pointed out.		

7.0 Mineral Conservation

SN	Item	Proposals 2019-20	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	187605T		Lessee is not submitted the online return & VL pointed out.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual & Mechanised both	Manual & Mechanised both	
7c	Different grade of mineral sorted out at mines	Stacking for sorting & sizing	Stacking for sorting & sizing	
7d	Any beneficiation process at mines	Not required	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Lessee is utilizing entire ROM by proper stacking, sorting & sizing as per requirement.		

8.0 Environment

SN	Item	Proposals 2019-20	Actual work	Remarks
8a	Separate removal and utilization of topsoil	Proposed	Utilising for plantation	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines.	NA	NA	
8d	Use of OB, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	
8e	Phased restoration, reclamation & rehabilitation of lands affected by mining operations (Pits, dumps etc.)	No proposal	Nil	
8f	Baseline information on (Rule 41) existence of plantation & additional plantation done	Not proposed	NIL	
8g	Survival rate	---	Below 50%	
8h	Water sprinkling on roads to control airborne dust	Water spraying on haul road proposed	Regular water sprinkling is done.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Top soil is directly used for plantation purposes & aesthetic beauty of area is degraded mine area & surrounding area agriculture/local shrubs/bushes are observed.		

9.0 Compliance of Rule 45

S.N	Item	COMMENTS		Remarks
	Status of submission of Monthly and Annual returns	M.R. & A.R. is not submitted for 2020-21 is submitted online.		
S.N	Item	Details GIVEN in A.R.	Observation of I/O	Remarks
9b	Scrutiny of Annual return for information on ME, MM & Geologist	Lessee has not submitted the monthly & annual return for 2020-21 till date	Lessee has not submitted the monthly & annual return for 2020-21 till date	Violation under provision of rule 45(5)(b) & 45(5)(c) pointed out to lessee for non-submission of monthly & annual return.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.			
9d	Scrutiny of Annual return on afforestation			
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)			
9f	Scrutiny of Annual return on ROM stock and/or graded ore			
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost			
9i	Scrutiny of Annual return on fixed assets			
9k	Scrutiny of Annual return on mining machineries			

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - Presently mine was inspected for Star Rating & during inspection, mine was not working & pit area was water logged. Presently violation of 26(2), 33, 45(5) (b) & 45(5) (c) pointed out for rectification. Star rating (03 star) validation done.
