

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	Visavada Bauxite Mine, (Sy. No.731/P)
2A	Inspecting officer with date, Type	Naman Ekka, SMG
2B	Accompanying official	Dhrumil Makechha
3	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total area-12.1405 Ha, Non-Forest land
4	Mine code & IBM Registration Number under rule 45 of MCDR, 17	07GUJ08009 & IBM/5181/2011
5	Name of the lessee, Address, phone, email and fax number	Shri Naresh Kumar Prabhudas Makhecha, Prop-M/s Supreme Ind., 299 GIDC Industrial Area, Dist. - Porbandar, Gujarat- 360 577
6	Village	Visavada
7	Taluka/Mandal	Porbandar
8	District	Porbandar
9	Pin code	360575
10	State	Gujarat
11	Post office	Porbandar
12	Nearest police station	Porbandar
13	Nearest Railway station	Porbandar
14	Date of Grant of Mining Lease	30.6.1981
15	Date of Execution	14.6.1982, 20 Year, Expiry-13.6.2032 as per MMDR Amendment Act,2015
16	Date of opening of Mine	NA
17	Date of first Renewal, if applicable and its period & expiry	12.6.2001, Under process.
18	Date of second Renewal, period & expiry	NA
19	Date of submission of renewal application / deemed extension if any	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Naresh Kumar Prabhudas Makhecha, Prop-M/s Supreme Ind., 299 GIDC Industrial Area, Dist. - Porbandar, Gujarat- 360 577
21	Name of the Mine Agent, Address, phone, email, fax & date of appointment	Shri Naresh Kumar Prabhudas Makhecha, Prop-M/s Supreme Ind., 299 GIDC Industrial Area, Dist. - Porbandar, Gujarat- 360 577
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	G.Chandarana C/o Prop-M/s Supreme Ind., 299 GIDC Industrial Area, Dist. - Porbandar, Gujarat- 360 577
23	Name of the ME, Qua. & Exp., Address, phone , email, fax, date of appointment	G.Chandarana C/o Prop-M/s Supreme Ind., 299 GIDC Industrial Area, Dist. - Porbandar, Gujarat- 360 577 (Part time)
24	Whether Geologist & ME	MS. Nirupama Jain, (MSc. Geology) C/o Prop-M/s

	appointed in mines satisfy the rule	Supreme Ind., 299 GIDC Industrial Area, Porbandar, Gujarat-360 577 (Part time)
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 vide letter No-682(23)(631)/08/MCC M/(N)/UDP Dated-22.4.2009
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	682(23)(631)/2008/MCCM/(N)/UDP, Dated-22.4.2009 684(4)(1)/MP-40/2017-18/MDRD/(U)/GNR/Dated-13.7.2017 from 2017-18 to 2021-22
27	Mineral(s) granted in lease	Bauxite
28	Method of Mining (O/C, U/G)	Opencast
29	Category (FM, Others or Manual)	Fully Mechanized
30	Captive/Non Captive	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	There was no Proposal for 2020-21	No work done	
1b	Exploration over lease area for Geological axis 1 or 2.	There was no Proposal for 2020-21	No work done	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	There was no Proposal for 2020-21	No work done	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Entire area has to be explored in G1.		
1e	Balance reserves as on 01.4.2017 (111, 121 & 122)	Reserves-Proved (111) = 767570T, Probable(121&122)= 25650T Total-793220T		
1f	General remarks of inspecting officer	Lessee has explored the lease area by way of trial pits & existed 05 number of opencast mine pits of different pits. At the Time of Inspection mine was not in operation		

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 as along Section D-D'	Only half of the area covered as per proposal.	
2b	Separate benches in topsoil, overburden and mineral	Proposed	Maintained separately benches.	
2c	Stripping ratio or ore to OB ratio	1:0.34	1:0.1	
2d	Quantity of topsoil generation in m ³	430 m ³	0 m ³	
2e	Quantity of overburden generation in m ³	430 m ³	0 m ³	

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. & intercalated OB/clay are existed.
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2.0 **Exploitation**

SN	Item	Proposals 2020-21	Actual work	Remarks
3a	Number of pits proposed for production.	Pit No.1	Pit No.1 partial water logged pit area observed.	Mineral rejects generated stacked separately.
3b	Quantity of ROM mineral production proposed	100000T	35320 T	
3c	Recovery of saleable/usable mineral from ROM production	100 %	90 %	
3d	Quantity of mineral reject generation	No Proposal	Nearly 10 % of Mineral Reject generated	
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	Excavator/JCB-01, Tippers ,water pump	Excavator/breakar-01JCB-01,Tipper-02	
3l	Whether height of benches in OB & mineral suitable for method of mining proposed	mechanised working with regular bench height	Irregular bench height	
3m	Total area covered under excavation/pits	---	About Pit-3.25ha current O/C	
3n	Ore to OB ratio for the pit/mine during the year	1:0.34	1:0.1	
3o	Total area put in use under different heads at the year end	Pit- 3.25ha, Reclaimed-0.25 ha, & others		
3p	Production of ROM mineral	2016-17= 96600T	2016-17= 74,500T	

	during last five-year period, as applicable	2017-18= 100000T 2018-19= 100000T 2019-20= 100000T 2020-21=100000 T	2017-18= 90,250T 2018-19= 85,100T 2019-20=81,526T 2020-21=35320 T	
3q	General remarks of inspecting officer on method of mining etc.	Mechanised opencast method of mining with JCB/Excavator with tipper combination.		

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.		

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	No Proposal	No work done	
5b	Area under backfilling of mined out area	Not Proposed	Partly done backfilling in exhausted pit	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area	1036M3	About 550M3 used for plantation	
5d	Total area fully reclaimed & rehabilitated	Nil	About 0.25Ha	

5e	General remarks of inspecting officer on backfilling, reclamation etc.	The waste generated was utilised for Storage/partly backfilling in part of lease area in mineral exhausted pits.
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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 report on PMCP 2020-21 is not submitted to this office 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	0.01Ha 20 No of Saplings 50 Nos. 2000Rs.	0.01Ha >20 No of Saplings ---- >2000 Rs.	
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	405 m3 for making water Reservoir	Partly done	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	20 Nos. Saplings	50 Nos. Saplings -- --	Poor survival
6e	Compliance of Environmental monitoring (core zone/buffer zone)	Periodically monitoring as per IBM/MoEF guidelines.	Periodically monitoring as per IBM/MoEF guidelines.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	The annual PMCP report for the year 2020-21 is not submitted. Therefore violation under provision of rule 26(2) pointed out for rectification.		

7.0 Mineral Conservation

SN	Item	Proposals 2020-21	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within	100000T	35320 T	

	lease area			
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 2020-21	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	---	About 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
9a	Status of submission of Monthly and Annual returns	M.R. & A.R. submitted for 2020-21 is submitted online.		
9b	Scrutiny of Annual return for information on ME, MM & Geologist	Graduate Mining Engineer1 Geologist -1 & Manager -1	Geologist and ME Present	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Already Exploited by O/C Mining – 5.284 Ha. O/C Mining – 5.030 Ha Reclaimed 0.40 Ha. Occupied by Plant, Building Roads – 0.149 Ha.	Already Exploited by O/C Mining – 5.284 Ha. O/C Mining – 5.030 Ha Reclaimed 0.40 Ha. Occupied by Plant, Building Roads – 0.149 Ha.	
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year - 20	20 Trees Planted	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Mineral Reject - NIL	Nearly 10 % mineral Reject is generated	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM Stock - NIL	ROM Stock - NIL	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Details furnished in returns	Seems correct	
9i	Scrutiny of Annual return on fixed assets	Fixed Assets - 69498	Fixed Assets - 69498	
9k	Scrutiny of Annual return on mining machineries	DUMPER Other HEM Machinery	DUMPER Other HEM Machinery	

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Details of violations observed during current inspection and compliance position of violation pointed out					
Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
11(1), 26(2), 27(2), 33, 34(1)	13/08/2021				

(Naman Ekka)
Sr. Mining Geologist