

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Mothala Balachod Bauxite Mines (280.76Ha)
1(b)	Name of Inspecting officer & Designation	G. Ram, DCOM
1(c)	Accomp.official	Shri SR Rathore, DGM, I/c Project
1(d)	Date & Type of Inspection	29.10.2022 & Star Rating
2	Total Lease Area (Ha) Non-forest / forest land	280.76Hect. (Non-Forest) Survey No. 336-38,246-48
3	Mine code	07GUJ10016
4	IBM Regn. Number under rule 45 of MCDR,17	IBM/727/2011
5	Name of the lessee, Address, phone, email and fax number	GMDC Ltd., Khanij Bhavan, 132 Ft Ring Road-Vastrapur, Ahmedabad-380052; Ph-(02834) 282289 Email: gadhsisa_2@gmdcltd.com
6	Village	Mothala, Nani Balachod
7	Tahuka/Mandal	Abadasa
8	District	Kutch
9	Pin code	370465
10	State	Gujarat
11	Post office	Nani Balachod
12	Nearest police station	Naliya
13	Nearest Railway station	Bhuj
14	Date of Grant of Mining Lease	12-01-2006 MCR/1591/G-58/703/CHH for 30 Year
15	Date of Execution	07-03-2007
16	Date of opening of Mine	01-02-2007
17	Date of first Renewal, if app. period of expiry	NA
18	Date of second Renewal, if app. period & expiry	NA
19	Date of submission of renewal app. if Mining Operations continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax & appointment	Shri Roopwant Singh IAS [MD]., GMDC Ltd. "Khanij bhavan", 132 FT Ring Road, Vastrapur, Ahmadabad., Appointment- 14-06-21
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri S R Rathore, DGM, I/c Email: gadhsisa@gmdcltd.com , srrathore@gmdcltd.co.in Appointment- 16-3-2022
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment	Shri V H Solanki [Email: gadhsisa_2@gmdcltd.com ; Appointment wef- 24-7-2021
23	Name of the ME, Qualification & total Exp. with Address, phone, email, date of appointment	Shri V H Solanki, AMIE & 2 nd Class Manager certificate, Manager (Mines), Appointment- 24.7.2021
24	Whether Geologist and ME appointed in mines satisfy rule 55 carrying out their duties as per rule.	Smt Prachi Hemankumar Dave, MSc Geology, Appointment wef- 18.7.2022
25	Date of Approval of MP/MMP with five-year period	Letter No. 682(23)(941)/99-MCCM(N) UDP-14.10.1999
26	Date of Approval of RMP with five-year period	84(4)(1)/MP-345(117)/2021-22 / GNR/1339 dated 13.8.2021 for 2021-22 to 2025-26
27	Mineral(s) granted in ML proved for mining	Bauxite
28	Method of Mining (Opencast, Underground)	Opencast.
29	Category (Fully Mech, Others or Manual)	A-Category
30	Captive/Non Captive	Captive

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

Exploration

SN	Item	Proposals (2021-22)	Actual work	Remarks
1a	Backlog of previous year	Not proposed	NIL	
1b	Exploration over lease area for Geo. axis 1 or 2.			
1c	Exploration Agency & Exp. in lakh Rs during year	Not Proposed	NIL	NIL
1d	Balance area to be explored to bring Geo. axis 1 or 2	The lease area has been explored 100% in G1/G2 level of exploration.		
1e	Balance reserves as on 01.4.2022	The R&R is 2.038million Tonne (111) & 49047T (222)		
1f	General remarks of IO on geology, exploration etc.	NIL		

2.0 Development

SN	Item	Proposals (2021-22)	Actual work	Remarks
2a	Location of development w.r.t. lease area	Block-1, Pit-7 & New Pit No-1 As earmarked.	Partly done as proposed due to lagging	Lack of demand /lagging in prodn.
2b	Separate benches in topsoil, OB etc	Separate bench	As per proposed.	
2c	Stripping ratio or ore to OB ratio	1:0.0	1:0.0	
2d	Quantity of topsoil generation (m3)	3320M3	NIL	
2e	Quantity of OB generation in m3	Not Proposed	NIL	
2f	General remarks of I/O, development of pit w.r.t. type of deposit etc.	Lease area is developed by different mine pits due to quality & grade in ROM production in plan period.		

3.0 Exploitation

SN	Item	Proposals (2021-22)	Actual work	Remarks
3a	Number of pits proposed for production	Block-1, Pit-7 & New Pit No-1 As earmarked.	Partly done as proposed in pits due to lagging	
3b	Quantity of ROM production proposed	42000T	23097.388T	Entire ROM is utilised by proper sizing & sorting & blending
3c	Recovery of saleable/usable mineral	100%	23097.388T	
3d	Quantity of mineral reject generation	Not proposed	NIL	
3e	Grade of mineral reject and THV declared	Not proposed	NIL	
3f	Quantity of sub-grade mineral	Not Proposed	NIL	
3g	Grade of sub-grade mineral	Not Proposed	NIL	
3h	Manual / Mech. method adopted	Manual/Mech	Both	
3i	Any analysis or beneficiation study proposed	Not proposed	NIL	
3j	Provision of drilling/blasting proposed	J/H drilling & blasting	As and when requires	
3k	Provision of mining machineries in mineral benches	HEMM with Loader/JCB & Tipper	Loader/Excavator/Rock Breaker and Tipper	
3l	Whether height of benches in OB and mineral suitable for method of mining	2.5-3.0 Meter	1.5-2.5 Meter	
3m	Total area covered in excavation/pits	0.832Ha/year	13.718Ha (O/c)	
3n	Ore to OB ratio for the pit/mine	1:0.0	1:0.0	
3o	Total area put in use under different heads at the end of year	---	O/c-13.718Ha, OB-0.44Ha Stack-9.96Ha	
3p	Production of ROM mineral during last five-year period, as applicable	Yr-2018-19- 41987T Yr-2019-20-41957T Yr-2020-21-41958T Yr-2021-22-42000T Yr-2022-23-42000T	Yr-2018-19- 30088.44T Yr-2019-20-20085.04T Yr-2020-21-9600T Yr-2021-22-24767.29T Yr-2022-23-2334.46T (Till Sep.22)	
3q	General remarks of I/O on method of mining etc.	Method of mining is open cast with loader/Excavator/Rock Breaker and Tipper. Lagging in ROM production in plan period due to lack of demand.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2021-22)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	Proposed separate dumping	As per proposal	
4b	Location of topsoil, OB & mineral reject dumps	Topsoil-3320M3, O/B-Nil	NIL	
4c	Number of dumps within lease, outside lease area	Two dumps existed	NIL	
4d	Location of dumps w.r.t. UPL	Not Proposed	NIL	
4e	Number of active & alive dumps	Not Proposed	NIL	
4f	Number of dead dumps	Not Proposed	NIL	
4g	Number of dumps stabilised	Two, yes	NIL	
4h	Whether retaining wall, garland drain proposed	WD1-201m & WD2-151m fencing	200m	
4i	Length of Retaining wall or garland drain all along dump	Not Proposed	NIL	
4j	Number of settling ponds	Not Proposed	NIL	
4k	Specific comments of inspecting officer	NIL		



5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2021-22)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not Proposed	NIL	
5b	Area under backfilling of mined out	Not Proposed	NIL	
5c	Concurrent use of topsoil, 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 (2021-22)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly Rule-26(2)	Yes	PMCP Report Submitted on 16.4.22	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	Not Proposed	NIL	Survival rate is poor due to scarcity of water.
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	Not Proposed	NIL	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	0.2 Ha & 220No Plants Fencing-112m	0.2 Ha & 350 Plants, 100m	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Monitoring is being carried out.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Due to scarcity of water in surrounding area /low rainfall, poor survival rate of plantation.		

7.0 Mineral Conservation

SN	Item	Proposals (2021-22)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	42000T	23097.388T	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mech./Manual	Both	
7c	Different grade of mineral sorted out at mines	Yes		
7d	Any beneficiation process at mines	Not Proposed	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Entire ROM is utilised by proper sizing & sorting & blending as per buyers requirement.		

8.0 Environment

SN	Item	Proposals (2021-22)	Actual work	Remarks
8a	Separate removal and utilization of topsoil	Proposed	Used For Plantation	
8b	Concurrent use or storage of topsoil	Not Proposed	NA	
8c	Separate dumps for overburden, waste rock, rejects fines	Not Proposed	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations	Not Proposed	NA	
8f	Baseline information on existence of plantation & additional plantation done	Not Proposed	Good aesthetic near mine office	
8g	Survival rate	Not Proposed	About 50%	
8h	Water sprinkling on roads, control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Aesthetic beauty in and around mines are natural grown shrubs & bushes observed.		

[Handwritten Signature]

9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks	
	Status of submission of Online Monthly and Annual returns	M.R. (Sept.22) Submitted within stipulated time. A.R.(2021-22) Submitted on 30.6.2022		
S.N	Item	Details given in A.R.2021-22	Remarks	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Details as per given in AR		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.			Shri V H Solanki Smt PH Dave,
9d	Scrutiny of Annual return on forestation			O/c-13.718Ha,OB-0.44Ha,Stack-9.96Ha
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)			660 No/60%
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			As per given in AR
9i	Scrutiny of Annual return on fixed assets			As per given in AR
9k	Scrutiny of Annual return on mining machineries			As per given in AR

- 10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: Mine was inspected for evaluation of Star Rating templates & validation is under process. Presently no significant violation observed & pointed out.

