

## MCDR INSPECTION REPORT

### 1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Daban Wamoti Bauxite Mine (642-05-50 Ha.)
1(b)	Name of Inspecting officer & Designation	G. Ram, Sr.Assistant Controller of Mines
1(c)	Accomp.official	Shri SG Patel & PN Singh, MM
1(d)	Date & Type of Inspection	29.10.2018 AN & Star Rating
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	642-05-50 Ha ( Non-Forest)
3	Mine code	07GUJ10023
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/727/2011
5	Name of the lessee, Address, phone, email and fax number	Gujarat Mineral Development Ltd., Khanij Bhavan, 132 Ft Ring Road-Vastrapur, Ahemdabad-380052; Ph-(02834) 282289 Email:gadhsisa_2@gmdcltd.com
6	Village	Daban
7	Taluka/Mandal	Abadasa
8	District	Kutch
9	Pin code	370460
10	State	Gujarat
11	Post office	Daban
12	Nearest police station	Naliya
13	Nearest Railway station	Bhuj
14	Date of Grant of Mining Lease	12-01-2006
15	Date of Execution	01-02-2007
16	Date of opening of Mine	01-02-2007
17	Date of first Renewal, if applicable and its period & expiry	09-12-1998
18	Date of second Renewal, if applicable and its period & expiry	25-01-2005
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 & appointment	Shri Arunkumar Solanki, GMDC Ltd. "Khanij bhavan", 132 FT Ring Road, Vastrapur, Ahmadabad., Appointment- 24-06-2016
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri S G Patel, Bauxite Project-Gadhsisa, Ta-Mandvi, Dis-Kutch, 370445, Mobile- 9727792510 Email: gadhsisa@gmdcltd.com Appointment- 01-11-2015
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri P N Singh , GMDC Ltd., Bauxite Project-Gadhsisa, Ta-Mandvi, Dis-Kutch, 370445, Appointment- 03.11.2016
23	Name of the Mining Engineer, Qualification and total Exp. with Address, phone, email, fax number and date of appointment in mine	Shri B L Kumawat, B E Mining – Exp-12Year , WEF-14-11-2016
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Shri A.T.Pandya, MSc Geology & more than 05 years exp. Appointment- 01.6.2018
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	682(23)402/902-MCCM(N) UDP Dated-23/06/1994
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Letter No. 682(23) (799)/MP/1997-MCCM (UDAI) Dated 16/11/2016 for the Period of 2016-17 to 2020-21.
27	Mineral(s) granted in ML proved for mining	Bauxite
28	Method of Mining(Opencast, Underground)	Opencast.
29	Category (Fully Mechanised, Others or Manual)	A-Category
30	Captive/Non Captive	Non Captive & Joint venture with Gujarat Credo Minerals Ltd

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

**1.0 Exploration**

SN	Item	Proposals (2018-19)	Actual work	Remarks
1a	Backlog of previous year	Not Proposed	Lease area has been fully explored up to THV as per CCOM circular 03/2010. Hence no exploration proposed in plan period.	
1b	Exploration over lease area for Geological axis 1 or 2.			
1c	Exploration Agency & Expenditure in lakh Rupees during the year			
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not proposed in Plan period	Lessee has been explored additional 201 Nos. of exploratory core borehole in 2018-19.	
1e	Balance reserves as on 01.3.2018	The reserves & resources estimated as on 01.04.2016 is 3.7MT (111) & (121&122) and remaining resources 0.10MT.		
1f	General remarks of inspecting officer on geology, exploration etc.	NIL		

**2.0 Development**

SN	Item	Proposals (2018-19)	Actual work	Remarks
2a	Location of development w.r.t. lease area	It was proposed to work in Pit no.1 to 8 as earmarked in Plate No-5C	Not worked during the year till date	Till Sept.18
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Proposed for separate bench	NA	
2c	Stripping ratio or ore to OB ratio	1:0.0	NIL	
2d	Quantity of topsoil generation (m3)	Not in Proposal	NIL	
2e	Quantity of OB generation ( m3)	Not in Proposal	NIL	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Presently mine was not working during inspection & lessee has been submitted the discontinued notice.		

**3.0 Exploitation**

SN	Item	Proposals (2018-19)	Actual work	Remarks
3a	Number of pits proposed for production	It was proposed to work in Pit no.1 to 8 as earmarked in Plate No-5C	Not worked during the year till date	Till Sept.18
3b	Quantity of ROM mineral production proposed	260829T	NIL	
3c	Recovery of salable/usable mineral from ROM production	240005T	NIL	
3d	Quantity of mineral reject generation	20824T	NIL	
3e	Grade of mineral reject generation and threshold value declared	Cut-off grade-About 40% Al <sub>2</sub> O <sub>3</sub> as per buyer's specification.	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	Manual	NA	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Lab Analysis	NA	
3j	Provision of drilling & blasting in mineral benches	J/H drilling & blasting	NA	
3k	Provision of mining machineries in mineral benches	HEMM with Loader/JCB & Tipper Combination	NA	
3l	Whether height of benches in OB and mineral suitable for method of mining proposed in MP/SOM	3.0 Meter	N.A	

3m	Total area covered under excavation/pits	About 11.5ha/year	NIL, Total excavated area is about 54 Ha & others	
3n	Ore to OB ratio for the pit/mine during the year	1:0.0	NIL	
3o	Total area put in use under different heads at the end of year	---	About Pit- 54Ha Waste dump-2.97 Ha Others- 4Ha	
3p	Production of ROM mineral during last five-year period, as applicable	Yr-2014-15- T Yr-2015-16- T Yr-2016-17- 280523T Yr-2017-18- 285453T Yr-2018-19- 260829T	Yr-2014-15-108742.0T Yr-2015-16-0T Yr-2016-17-133094.4T Yr-2017-18-176621.2T Yr-2018-19 -0T(till)	
3q	General remarks of inspecting officer on method of mining etc.	Presently mine was not working during inspection.		

#### **4.0 Solid Waste Management-Dumping**

SN	Item	Proposals (2018-19)	Actual work	Remarks	
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	It was proposed to work in Pit no.1 to 8 as earmarked in Plate No-5C	Not worked during the year till date	Till Sept.18	
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)	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	Not Proposed	NIL		
4h	Whether Retaining wall or garland drain all along dumps are there	Not Proposed	NIL		
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 (2018-19)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not Proposed	NIL	Till Sept.18
5b	Area under backfilling of mined out area	Not Proposed	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	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 (2018-19)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly	Yes	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	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 means	Not Proposed	NIL	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	1.0 Ha 1000 Plantation	1.0 Ha 1100 Plantation	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Monitoring is being carried out as per IBM guidelines.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Presently mine was not working during inspection.		

### **7.0 Mineral Conservation**

SN	Item	Proposals (2018-19)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	260829T	NIL	Till Sept.18
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual Sorting	NIL	
7c	Different grade of mineral sorted out at mines	Yes, (i) PG ( $Al_2O_3 \geq 52\%$ ) (ii) NPG ( $Al_2O_3 40$ to $< 52\%$ ) (iii) Rejects size less than 10 mm	NIL	
7d	Any beneficiation process at mines	Not Proposed	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	NIL		

### **8.0 Environment**

SN	Item	Proposals (2018-19)		
8a	Separate removal and utilization of topsoil (Rule 32)	Not Proposed	NIL	
8b	Concurrent use or storage of topsoil	Not Proposed	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	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 (Pits, dumps etc.)	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 60%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Presently mine was not working during inspection.
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### 9.0 Compliance of Rule 45

S.N	Item	COMMENTS		Remarks
	Status of submission of Online Monthly and Annual returns	M.R. Submitted up to till date A.R. for year 2017-18 is submitted on 06.6.2018		
S.N	Item	Details given in A.R.2017-18		Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Shri BL Kumawat, ME Shri A Selvanayagam, (Geologist)	Shri PN Singh-WEF- 01.6.2018, Sh.AT Pandya -WEF-20.6.2018	Presently Mine was not working during inspection.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 54.16Ha Current Open cast-2.5 Ha Road & Infrastructure -2.0Ha	About Pit- 54Ha Waste dump-2.97 Ha, Others- 4Ha	
9d	Scrutiny of Annual return on forestation	1100 Plants (75% Survival)	1100 Plants (75% Survival)	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	--	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given	--	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-Mine Price-1550Rs/T (Ref) & 750 Rs./T(Chem) Cost of Production-358.3	Directed to use the correct Ex Mine Price/Cost of Production as sale price published in GMDC site properly.	
9i	Scrutiny of Annual return on fixed assets	Given		
9k	Scrutiny of Annual return on mining machineries	Excavator 200/Rock Breaker Dumper 17T ,Loader/JCB	As proposed	

Details of violations observed during current inspection and compliance position of earlier violation pointed out:-Mine was inspected for Star Rating of mines as working category mine. Lessee has been submitted the online periodical return. Presently no significant violation observed & pointed out. Advised to lessee for correct reporting the Sale price/Ex mine price as per GMDC web site sale value publication.

