1/13713/2023

MCDR INSPECTION REPORT (Star Rating)

1.0 GENERAL

	ENERAL	D . 11
SN	Particulars	Details
1	Name of the Mine	Hadmatiya Bauxite mine s. No 121
	Name of the Inspecting Officer	Naman Ekka SMG
	Date of Inspection	11/01/2023 (Star Rating)
2	Total Lease Area (Ha) with breakup	12.95.00 HA
	of Non-forest and forest land	12.33.00 11A
3	Mine Code	07GUJ07009
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/248/2011
5	Name of the lessee, Address, phone, email and fax number	M/S SAURASHTRA CALCINE BAUXITE&ALLIED IND. HARSHAD ROAD /P.O-BHATIA,TA-KALYANPUR,DIST- DEVBHUMIDWARKA,PH NO- 02891-233199
6	Village	HADMATIYA
7	Taluka/Mandal	KALYANPUR
8	District	DEVBHUMI DWARKA
9	Pincode	361315
10	State	GUJARAT
11	Post office	BHATIA
12	Nearest police station	BHATIA
13	Nearest Railway station	BHATIA
14	Date of Grant of Mining Lease	27.10.1977
15	Date of Execution	30.11.1977
16		03.01.1978
17	Date of opening of Mine Date of first Renewal, if applicable	05.01.19/0
1/	and its period & expiry	
18	Date of second Renewal, if	
10	applicable and its period & expiry	
19	Date of submission of renewal	
19	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	SHRI DWARKADAS RAICHURA HARSHAD ROAD / P.O-BHATIA,TA-KALYANPUR,DIST- DEVBHUMIDWARKA,PH NO- 02891-233199
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	SHRI GULABBHAI PABARI HARSHAD ROAD / P.O-BHATIA,TA-KALYANPUR,DIST- DEVBHUMIDWARKA,PH NO- 02891-233199
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	SRI VISHALKUMAR KAMALIYA, BE MINING, HARSHAD ROAD / P.O-BHATIA,TA-KALYANPUR,DIST- DEVBHUMIDWARKA,PH NO- 02891-233199
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	SRI BIREN CHAUHAN HARSHAD ROAD / P.O-BHATIA,TA-KALYANPUR,DIST- DEVBHUMIDWARKA,PH NO- 02891-233199
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	06.06.2022
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	684(4)(1)/mp-421/2022-23

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27	Mineral(s) granted in lease and proved for mining	CATEGORY-(111)+(122) - 982993 mt
28	Method of Mining(Opencast, Underground)	OPENCAST
29	Category (Fully Mechanised, Others or Manual)	Semi-mechanised
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 (2021-22)	Remarks
1a	Backlog of previous year	No Proposal	05 Nos. of Trial Pits	
1b	Exploration over lease area for	No Proposal	05 Nos. of Trial Pits	
	Geological axis 1 or 2.		covering the area in G1	
			Category.	
1c	Exploration Agency &	No Proposal	As reported Trial Pits	
	Expenditure in lakh Rupees		Expenditure has been	
	during the year		included in Mining	
			Cost.	
1d	Balance area to be explored to	No Proposal	05 Nos. of Trial Pits	
	bring Geological axis in 1 or 2		covering the area in G1	
			Category.	
1e	Balance reserves. (31.032022)	111 – 0972305 MT	111 – 0972305 MT	
1f	General remarks of inspecting	Exploration has been carried out by pitting.		
	officer on geology, exploration			
	etc.			

2.0 Development

<u>2.0 De</u>	2.0 Development					
SN	Item	Proposals (2021-22)	Actual work (2021- 22)	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 m3	No Proposal	As reported no work carried out.			
2e	Quantity of overburden generation in m3	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 Pt Manner.	has not been carried out in	Systematic		

3.0 Exploitation

S	Item	Proposals	Actual work (2021-	Remarks
N		(2021-22)	22)	
3a	Number of pits proposed for	01 Pits proposed	As Reported 01 Pits was	
	production	for production	in production	
3b	Quantity of ROM mineral	116214 Tons	28400 Tons	
	production proposed			
3c	Recovery of salable/usable mineral	100%	As Reported 100%	
	from ROM production		Recovery of	
			salable/usable mineral	
			from ROM production	
			was done.	
3d	Quantity of mineral reject	5811	As reported Nil Mineral	
	generation		reject Generated	

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3				
3e	Grade of mineral reject generation	-	As reported Nil Mineral	
	and threshold value declared		reject Generated	
3f	Quantity of sub-grade mineral	-	As reported Nil sub-	
	generation		grade mineral generated	
3g	Grade of sub-grade mineral	=	As reported Nil sub-	
	generation		grade mineral generated	
3h	Manual / Mechanised method	MANUAL	MANUAL	
	adopted for segregating from ROM			
3i	Any analysis or beneficiation study	No Proposal	As reported no work	
	proposed & carried out for sub-	F	carried out.	
	grade mineral and reject			
3j	Provision of drilling & blasting in	No Proposal	As reported no work	
-3	mineral benches	F	carried out.	
3k	Provision of mining machineries in	Yes	Yes mining machineries	
	mineral benches		were used.	
31	Whether height of benches in	Proposed	Yes	
	overburden and mineral suitable	1		
	for method of mining proposed in			
	MP/SOM			
3	Total area covered	6.4279 hect	6.2095 hect	
m	under excavation/pits			
3n	Ore to OB ratio for the pit/mine	1:0	1:0	
	during the year			
30	Total area put in use under	Area Under	Area Under Mining	
	different heads at the end of year	Mining 4.0208	4.0208	
3р	Production of ROM mineral during	Yr 2017- 18 -	Yr 2017- 18 – 69780	
*	last five-year period, as applicable	70069	Yr 2018 – 19 – 73750	
		Yr 2018 – 19 -	Yr 2019- 20 - 29036	
		116214	Yr 2020- 21 – NIL	
		Yr 2019- 20 -	Yr 2021-22- 28400	
		116210		
		Yr 2020- 21 –		
		116214		
		Yr 2021-22 -		
		116214		
3q	General remarks of inspecting	neral remarks of inspecting Method of mining is open Cast without drilling & blasting as		
	officer on method of mining etc.	proposed in MP		

4.0 Solid Waste Management-Dumping

S	Item	Proposals (2021-	Actual work (2021-	Remarks
N		22)	22)	
4a	Separate dumping of topsoil, OB	No Proposal	As reported no work	
	& mineral reject (Rule 36, 37)		carried out.	
4b	Location of topsoil, OB & mineral	No Proposal	As reported no work	
	reject dumps		carried out.	
4c	Number of dumps within lease	No Proposal	As reported no work	
	area and outside lease area		carried out.	
4d	Location of dumps w.r.t. ultimate	No Proposal	As reported no work	
	pit limit (Rule 16)		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	No Proposal	As reported no work	
	drain all along dumps are there		carried out.	
4i	Length of Retaining wall or	No Proposal	As reported no work	
	garland drain all along dump		carried out.	
4j	Number of settling ponds	No Proposal	As reported no work	
			carried out.	
4k	Specific comments of inspecting	As reported no Solid V	Waste Management-Dump	ing carried out

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Concurrent use of topsoil for restoration of mineral from mined out area before starting backfilling of mined out area before starting backfilling of mined out area felly mined out.		officer			
Sa Status on part or full extraction of mineral from mined out area before starting backfilling of mined out area before starting backfilling of mined out area for mineral from mined out area before starting backfilling of mined out area for prestoration or rehabilitation of mined out area (Rule 36)			Droposals	A ctual work	Remarks
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area 5c Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36) 5d Total area fully reclaimed & rehabilitated 5e General remarks of inspecting officer on backfilling, reclamation etc. 5d 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. 6d 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 or waste land within lease ii) Afforestation on the backfilling iii) Afforestation on the backfilling ii) Yoids available for Backfilling iii) Afforestation by backfillings iii) Afforestation on the backfilled area iv) Rehabilitation by backfillings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir y) Any other specific means 6d Compliance of Rehabilitation of waste land within lease i) Afforestation iii) Area rehabilitated (ha) iiii) Area rehabilitated (ha) iii) Area rehabilitated (ha) iiii) Area rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation of compliance of Environmental monitoring (core zone & buffer zone) Froposed Froposed Froposed As reported no work carried out. As reported no Backfilling has been carried out. Benary Proposed Submitted 1000 150 1000 5000 1000 5000 1000 5000 1000 5000 1000 5000 1000 5000 1000 5000 1000 5000 1000 5000 1000 5000 1000 5000 1000 5000 10	5b		No proposal	The area has not been	ı
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zone) Environmental monitoring (core zone & buffer zone) is done	JC				
monitoring (core zone & buffer zone) is done		= :			
zone & buffer zone) is done		-/			
quarterly				,	
				quarterly	
6f General remarks of inspecting PMCP Compliance is done as per proposal.	6f	General remarks of inspecting	PMCP Compliance is do	one as per proposal.	

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officer on PMCP compliance &	
progressive	

7.0 Mineral Conservation

S N	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
7a	ROM Mineral dispatch or gradewise 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, Refactory Grade, Ceramic Grade, Cement Grade, (Low Grade)	As reported Bauxite Is Hand Sorted Within The Quarry For Different Grade, Such As A Abresive Grade, Refactory Grade, Ceramic 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 issue has been report	ted.	

8.0 Environment

S N	Item	Proposals (2021-22)	Actual work (2021-22)	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			

9.0 Compliance of Rule 45

S.	Item	COMMENTS	Remarks
N.			

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 Status of submission of Monthly	M.R. Submitted upto – June 2023	
and Annual returns	A.R. submitted upto- 2022-23 on 27/06/2022	

S.	Item	Details GIVEN in	Observation of	Remarks
N.		A.R.	I/Officer	
9b	Scrutiny of Annual return for	Geologist in charge		
	information on Mining Engineer,	CHAUHAN		
	Geologist and Manager	Mining Engineer: -		
		KAMALIYA		
9c	Scrutiny of Annual return on land	(i) Already exploited and		As per Approved
	use pattern for area under pits,	abandoned by opencast (O-C)		
	reclaimed area, dumps etc.	mining -3.530 Ha.		mining at the
		(ii) MINERAL STORAGE – 0.40		
		На		2022-23 is
			pied by plant, building	
		residential, welfare buildings		gs
		and ro		
9d	Scrutiny of Annual return on	Number of trees planted during the year -250		– 250
	afforestation	Survival Rate – 80 %		
9e	Scrutiny of Annual return on	NILL		
	mineral reject generation (Grade			
	& quantity)			
9f	Scrutiny of Annual return on	Graded Stock has been reported.		
	ROM stock and/or graded ore			
9g	Scrutiny of Annual return on sale	Ex-Mine price and Cost of Production		
	value, Ex. Mine price &	reported		
	production cost			
9i	Scrutiny of Annual return on fixed	Value of Fixed Assets Reported - NIL		
	assets			
9k	Scrutiny of Annual return on	Only Tipper Repor		
	mining machineries			

¹⁰⁻ Details of violations observed during current inspection and compliance position of earlier violation pointed out: Violation of Rule - 34A(3), 45(7).

Naman Ekka Sr. Mining Geologist
