

MCDR INSPECTION REPORT**1.0 GENERAL**

SN	Particulars	Details
1 (a)	Name of the Mine	Hadmatiya Bauxite Mines (25.14.12Ha)
1(b)	Name of Inspecting Officer	Sunil Kumar Sharma, Sr. ACOM
1(c)	Type of Inspection	Review of Mining Plan
1(d)	Date of Inspection	16.10.2024
2.	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total ML area – 25.1412 Ha. (Non Forest Land)
3	Mine-code	07GUJ07123
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/756/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Kanaiya Industries, Songara Complex, Bus Stop, PO- Bhatia, Taluka-Kalyanpur, Dist- Devbhumi Dwarka, Gujarat- 361315
6	Village	Hadmatiya
7	Taluka/Mandal	Kalyanpur
8	District	Dev Bhumi Dwarka
9	Pin code	361315
10	State	Gujarat
11	Post office	Kalyanpur
12	Nearest police station	Kalyanpur
13	Nearest Railway station	Bhatia
14	Date of Grant of Mining Lease	22.11.1979
15	Date of Execution	19.5.1980
16	Date of opening of Mine	19.5.1980
17	Date of first Renewal, if applicable and its period & expiry	Lease period extended up to 18/05/2030 vide Order No. MCR/1578(W-7) GOI-316/CHH1 dated 26/12/2018
18	Date of second Renewal, if applicable and its period & expiry	NA
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 number and date of appointment	Laxmanbhai V Songara, M/s Kanaiya Industries, Songara Complex, Bus Stop, PO-Bhatia, Taluka-Kalyanpur, Dist- Devbhumi Dwarka, Gujarat- 361315
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Laxmanbhai V Songara, M/s Kanaiya Industries, Songara Complex, Bus Stop, PO-Bhatia, Taluka-Kalyanpur, Dist- Devbhumi Dwarka, Gujarat- 361315
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Purshotam Rathod, Songara Complex, Bus Stop, PO-Bhatia, Taluka-Kalyanpur, Dist- Devbhumi Dwarka, Gujarat- 361315
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Nirav Dabhi Meghajibhai, BE (Mining) w.e.f. 02.10.2017
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes, Geologist: Shri Umangkumar Harendra bhai Oza, M.Sc.(Geology), w.e.f. 01.6.2022

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 in the year 2001 Vide letter No 682 (23)/79/2000 MCCM(N) UDP Dated 28.3.2001
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-270/2020-21/MDRD(U)/GNR Dated 09.10.2020 for 2020-21 to 2024-25.
27	Mineral(s) granted in lease and proved for mining	Bauxite
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	Fully Mechanised; Category A
30	Captive/Non Captive	Captive

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

Exploration

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
1a	Backlog of previous year	02 boreholes of 10m & 1 Pit (6m X 6m)	12 trial pits has been carried out.	-
1b	Exploration over lease area for Geological axis 1 or 2.	G-1 & G-2	Area covered for geological axis G-1: 17.57 Ha G-2: 1.17 Ha. G-3: 2.43 Ha.	-
1c	Exploration Agency & Expenditure in lakh Rupees during the year	M/s Kanaiya Industries	M/s Kanaiya Industries	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	02 boreholes of 10m & 1 Pit (6m X 6m)	12 trial pits has been carried out as reported in Review of mining plan.	-
1e	Balance reserves as on 31.03.2023 (in Mio. Metric Tonne)	UNFC Code	Reserves/ Resources as on 27/06/2024	-
111		1634391 tonnes		
122		141182.8 tonnes		
211		283129 tonnes		
222		20028.8 tonnes		
333		178704.9 tonnes		
	Total	2257436.5 tonnes		
1f	General remarks of inspecting officer on geology, exploration etc.	12 trail pits for exploration have carried out. 2.0 Ha. area of the lease is unexplored. 1.97 Ha. area is non-mineralised zone. The area under G-1 category is 17.57 Ha.; under G-2 is 1.17 Ha and under G-3 is 2.43 Ha.		

2.0 Development

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
2a	Location of development w.r.t. lease area	Pit No.1 (Block A)	Pit No.1 (Block A)	-
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Separate bench for topsoil & ROM	Separate benches	-

2c	Stripping ratio or ore to OB ratio	1: 0	1:0	-
2d	Quantity of topsoil generation in m ³	5000 m ³	600 m ³	-
2e	Quantity of overburden generation in m ³	Not proposed	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Lease area is developed by mine pits & different grade of bauxite deposit is existed. During inspection, the mining operations were not carried out.		

3.0 Exploitation

S N	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	One pit (Pit No.1)	Pit No. 1	-
3b	Quantity of ROM mineral production proposed	60500 tonnes	7195 tonnes	-
3c	Recovery of saleable/usable mineral from ROM production	57475 tonnes	7195 tonnes	-
3d	Quantity of mineral reject generation	3025 tonnes	Nil	-
3e	Grade of mineral reject generation and threshold value declared	5% of ROM waste generate	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	Mechanised/ Manual	Mechanised/ Manual	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Nil	-
3j	Provision of drilling & blasting in mineral benches	Not proposed	Nil	-
3k	Provision of mining machineries in mineral benches	Excavator, Tipper & water tanker	Excavator, Tipper & water tanker	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height: 3.5 m to 5.5 m proposed	3.5 m	-
3m	Total area covered under excavation/pits	10.84 Ha. area for excavation proposed in the plan period	Total 7.88 Ha. covered under active pits; 7.14 Ha. area under active pits	-
3n	Ore to OB ratio for the pit/mine during the year	1:0	1:0	
3o	Total area put in use under different heads at the end of year	Proposed till 31.03.2025 Under mining: 10.84 Ha. Others: 1.40 Ha. Total: 12.24 Ha.	Under mining: 7.88 Ha. Mined out pit: 1.97 Ha. Under dumps: 0.19 Ha. Utility services: 1.09	

			Ha. Area in stack: 3.40 Ha.	
3p	Production of ROM mineral during last five-year period, as applicable	2019-20: 60560 T 2020-21: 60016 T 2021-22: 60016 T 2022-23: 60258 T 2023-24: 60500 T	2019-20: 49070 T 2020-21: 52545 T 2021-22: 0 T 2022-23: 16200 T 2023-24: 7195 T	-
3q	General remarks of inspecting officer on method of mining etc.	Method of mining is mechanised opencast method with shovel/ tipper combination.		

4.0 Solid Waste Management-Dumping

S N	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Separate dumping proposals	<u>OB dump</u> Quantity:6586.8 T Area: 0.19 Ha. Height: 1.6 m	-
4b	Location of topsoil, OB & mineral reject dumps	Proposal of OB dump at North of the lease	One OB dump location Latitude: 22 ⁰ 01'55.41" to 22 ⁰ 01'54.62" Longitude: 69 ⁰ 18'28.08" to 69 ⁰ 18'29.15"	-
4c	Number of dumps within lease area and outside lease area	One dump within the lease area	One dump within the lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Proposal	At non-mineralised area	
4e	Number of active & alive dumps	No proposal	01	
4f	Number of dead dumps	No proposal	Nil	
4g	Number of dumps stabilised	No proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal	Nil	
4i	Length of Retaining wall or garland drain all along dump	No proposal	Nil	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer	One OB dump within the lease area at non- mineralised zone.		

5.0 Solid Waste Management-Backfilling

S N	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	Nil	-
5b	Area under backfilling of mined out area	No proposal	Nil	-
5c	Concurrent use of topsoil for restoration or rehabilitation of	For plantation at green belt	Topsoil utilised for plantation at	-

	mined out area (Rule 32)		statutory barrier	
5d	Total area fully reclaimed & rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	There are no OB/Waste generation. Hence no backfilling & reclamation proposed in present plan period.		

6.0 Progressive Mine Closure Plan

S N	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E (2). Details should be given in the format as given in Annexure-20.	Yes	Attached with annual return submitted on 25/06/2024	-
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha)	Nil 7.5 m of SBZ	Plantation at 7.5m SBZ	-
6c	ii) Afforestation done (ha)	0.1 Ha.	0.1 Ha.	-
6d	No. of saplings planted during the year	20	60	-
6e	Cumulative no. of plants	250	250	-
6f	Any other specific method of rehabilitation	No proposal	Nil	-
6g	Cost incurred on watch & care during the year	₹ 20,000/-	₹ 20,000/-	-
6h	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D)	No Proposal	Nil	-
6i	ii) Void filled by waste/tailings	No Proposal	Nil	-
6j	iii) Afforestation on the backfilled area	No Proposal	Nil	-
6k	iv) Rehabilitation by making water reservoir	No Proposal	Nil	-
6l	v) Any other specific means	No Proposal	Nil	-
6m	Compliance of Rehabilitation of waste land within lease i) Afforestation	No Proposal	Nil	-
6n	ii) Area rehabilitated (ha)	No Proposal	Nil	-
6o	iii) Method of rehabilitation	No Proposal	Nil	-
6p	Compliance of Environmental monitoring (core zone & buffer zone)	Proposed	Environment Monitoring is being carried out periodical.	-
6q	General remarks of inspecting officer on PMCP compliance & progressive	Plantation work has been carried out by the lessee in lease area and annual PMCP report is submitted.		

7.0 Mineral Conservation

S N	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	60500 tonne	2800.38 tonne	-

7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual/ Mechanised	Manual/ Mechanised	-
7c	Different grade of mineral sorted out at mines	Cement, Abrasive Refractory	Cement: 5710 Abrasive: 1350 Refractory: 135	-
7d	Any beneficiation process at mines	No Proposal	Nil	-
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM is utilised by proper sizing & sorting, blending as per buyers requirement.		

8.0 Environment

S N	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Utilisation for plantation	Topsoil utilised for plantation	-
8b	Concurrent use or storage of topsoil	Use at 7.5m barrier	Used at 7.5m barrier	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Location proposed as earmarked in Plate-6	One active OB dump	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal	Nil	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposal for water Reservoir	Nil	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	250	250	-
8g	Survival rate	50%	65%	-
8h	Water sprinkling on roads to control airborne dust	Proposed	Water sprinkling on the haul road	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Topsoil generated during mining is being utilised in the plantation of 7.5 m safety barrier zone.		

9.0 Compliance of Rule 45

S.N.	Item	COMMENTS	Remarks
9a.	Status of submission of Online Monthly and Annual returns	Annual Return 2023-24 submitted on 25.06.2024 Monthly Return of October 2024, Submitted on 06.11.2024	-
S.N.	Item	Observation of I/Officer /Actual reported in Returns	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer and Geologist are appointed	-

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details of land use pattern provided in the annual return 2023-24 as follows: Already exploited and abandoned by opencast (O-C) mining: 7.88 Ha. Covered under current (O-C) Workings: 7.88 Ha. Occupied by plant, buildings, residential, welfare buildings and Roads: 0.018 Ha. Others: Nil	Mined out pit area is about 1.9 Ha. but in annual return it provides 7.88 which is incorrect. Therefore, violation observed under Rule 45(5)(c).
9d	Scrutiny of Annual return on afforestation	Trees planted during the year: 60 Survival Rate: 65% Trees at the end of the year: 0	Violation observed under Rule 45(5)(c), trees planted at the end of the years is incorrect.
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock: Nil Cement Grade: 202270.560 tonnes Abrasive Grade: 1118.08 tonnes Refractory Grade: 235.810 tonnes	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-mine Price of Cement Grade: ₹1195/- per tonne Abrasive Grade: ₹ 2868/- per tonne Refractory Grade: ₹ 2776/- per tonne	-
9i	Scrutiny of Annual return on fixed assets	Nil	-
9k	Scrutiny of Annual return on mining machineries	Dozer – 01 No.	Violation observed under Rule 45(5)(c). Excavators and dumpers are used in the mines but it has not been reported in the Annual Return 2023-24.

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: -

- (i) During the year 2023-24, Violation under Rule 34A was issued to the lessee on 18.10.2023 and the compliance has been accepted on 05/07/2024.
- (ii) Drone survey data has been analysed and found that the mentioned lease boundary is incorrect.
- (iii) Violation under Rule 34A and 45(5)(c) was observed and is being issued to the lessee.

नियम सं.	उल्लंघन के प्रकार का विस्तृत ब्यौरा
34(A)	Every lessee having- (a) an annual excavation plan of one million tonne or more in a particular year; or (b) leased area of fifty hectare or more, shall carry out a drone survey of the leased area and up to hundred meters outside the lease boundary in the month of April or May every year and submit the processed output [digital elevation model (DEM) and Orthomosaic] images obtained from such

	<p>survey or any other format as may be specified by the Indian Bureau of Mines in this regard to the Controller General on or before 1st day of July every year.</p> <p>In your case, the Digital Aerial Images submitted under Rule 34(A), it is observed that the processed Drone survey output data submitted to Indian Bureau of Mines does not meet the parameters specified in the SOP for submission of Digital Aerial Images under the said Rule. The deviations in the data submitted is as follows:-</p>				
	S. No.	Data type	Check Point parameters as per SOP	Submitted in proper format (Yes /No)	Remarks
	1.	Lease boundary	.shp (UTM in WGS 84)	No	Lease boundary is not matching the kml file or cadastral map.
45(5)(c) read with 45(7)	<p>The following deficiencies have been found in the scrutiny of the annual return submitted by you for 2023-24 –</p> <p>(i) In point No.12 of Part-I of Annual Return 2023-24, the data provided for lease area utilization seems incorrect as per analysis of drone survey data.</p> <p>(ii) In point No. 5 of Part-V of Annual Return 2023-24, no data provided for total number of trees at the end of the year.</p> <p>(iii) In point No. 6 of Part-V of Annual Return 2023-24, the details of all the machineries has not been provided.</p>				

(Sunil Kumar Sharma)
Senior Assistant Controller of Mines
