

INSPECTION REPORT

I/31754/2024

1.0 GENERAL

SN	Particulars	Details
1 (a)	Name of the Mine	Bhod Limestone Mine
1 (b)	Name of Inspecting officer & Designation	Snehalkumar Patel, AME
1 (c)	Accompanying Mines Representatives	M/s R R Minerals C/o Pankajbhai Nathalal Vaghela
1 (d)	Type of Inspection	MCDR/Star Rating
1 (e)	Date of Inspection	16-11-2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	13.3748 Hectare
3	Minecode	38GUJ08028
4	IBM Registration Number under rule 45 of MCDR, 2017	IBM/10132/2012
5	Name of the lessee, Address, phone, email and fax number	R R MINERALS 2, KADIA PLOTS, PORBANDAR- 360575 E-mail: tannadipesh@yahoo.com Mobile: 9925342642
6	Village	Bhod
7	Taluka/Mandal	Ranavav
8	District	Porbandar
9	Pincode	360575
10	State	Gujarat
11	Post office	Bhod
12	Nearest police station	Ranavav
13	Nearest Railway station	Ranavav
14	Date of Grant of Mining Lease	05-03-1979
15	Date of Execution	21-12-1981
16	Date of opening of Mine	25-10-1982
17	Date of first Renewal, if applicable and its period & expiry	24-01-2001
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	Sh. Pankajbhai Nathalal Vaghela Ramkrupa, Wadi Plot, Satynarayan mandir Road, Porbandar, Gujarat-360575 tannadipesh@yahoo.com 9925342642
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	NA
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Sh. Padam singh, Mining Engineer 161, J Block, Sector-14, Udaipur. Date of appointment : 01-04-2021
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Sh. Padam singh, Mining Engineer 161, J Block, Sector-14, Udaipur. Date of appointment : 01-04-2021
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Sh. Manojkumar Sharma, Geologist 6F, 29 VIP colony, Sector-9, Udaipur Date of appointment : 01-04-2021
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	682(23)(513)/2009 MCCM(N) Udp. Date: 30-04-2015
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Review of Mining Plan No. 684(4)(1)/MP-388(30)2021-22 Date: 16-02-2022 period from 2022-23 to 2026-27
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	Mechanised.
30	Captive/Non Captive	Non-Captive

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

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Exploration

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
1a	Backlog of previous year	2 BH in year 2018-19	02	Entire area is explored to G-1 area-10.8389 Ha & G-2 area- 2.5359 Ha.
1b	Exploration over lease area for Geological axis 1 or 2.	2 BH in year 2018-19	Work done. Form I & J submitted.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Self	Work done. Form I & J submitted.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserves as on 01.04.2023	Proposed	As per 01-04-2023 annual returns 111- 1829520 T 122- 624452 T 221 - 806680 T 222- 472720 T	As per submit annual returns.
1f	General remarks of inspecting officer on geology, exploration etc.	वर्ष 2022-23 के लिए पूर्वक्षण प्रस्ताव नहीं हैं। पूर्व में 02 Bore Hole किया गया है।		

2.0 Development

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
2a	Location of development w.r.t. lease area	Pit- 01 & 02	Pit- 01 & 02	---
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No proposal	Limestone is outcropping in nature, No soil or OB proposed.	
2c	Stripping ratio or ore to OB ratio	1:0	1:0	---
2d	Quantity of topsoil generation in m3	No proposal	NIL	---
2e	Quantity of overburden generation in m3	No proposal	NIL	---
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The development of pit is done as per the proposal.		

3.0 Exploitation

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
3a	Number of pits proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	300000 MT	10 T	
3c	Recovery of salable/usable mineral from ROM production	100%	Nil	Cement and chemical grade
3d	Quantity of mineral reject generation	No proposals	0	No mineral rejects generated
3e	Grade of mineral reject generation and threshold value declared	NIL	NIL	-
3f	Quantity of sub-grade mineral generation	NIL	NIL	-
3g	Grade of sub-grade mineral generation	NIL	NIL	-
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NIL	NA	-
3j	Provision of drilling & blasting in mineral benches	No	NA	-
3k	Provision of mining machineries in mineral benches	shovel/tipper combination	As per Proposal.	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Top soil = NIL OB= Nil Mineral = 3 to 4 Mts	-
3m	Total area covered under excavation/pits	9.2187 Ha.	9.2051 Ha.	-
3n	Ore to OB ratio for the pit/mine during the year	1:0	1:0	-

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3o	Total area put in use under different heads at the end of year	Mining-9.2187 Ha.	9.2051 Ha. No Reclaimed-rehabilitated found.	-
3p	Production of ROM mineral during last five-year period, as applicable	2018-19: 289040 टन 2019-20: 295300 टन 2020-21: 299760 टन 2021-22: 305640 टन 2022-23: 300000 टन	2018-19: 174870 टन 2019-20: 156681 टन 2020-21: 106300 टन 2021-22: 0 टन 2022-23: 10 टन	-
3q	General remarks of inspecting officer on method of mining etc.	The method of mining is mechanised opencast method with shovel/tipper combination & Without drilling/blasting. However Production of 10.00 Tons and Dispatch of 477.030 Tons Chemical Grade & 1040 Tons Cement Grade has been reported in Annual returns year 2022-23.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	NA, No mines waste, concurrent use of top soil for plantation.	NIL	NA
4b	Location of topsoil, OB & mineral reject dumps	NIL	NIL	NIL
4c	Number of dumps within lease area and outside lease area	NIL		
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL		
4e	Number of active & alive dumps	NIL		
4f	Number of dead dumps	NIL		
4g	Number of dumps established	NIL		
4h	Whether Retaining wall or garland drain all along dumps are there	NIL	NIL	NIL
4i	Length of Retaining wall or garland drain all along dump	NIL	NIL	
4j	Number of settling ponds	NIL	NIL	
4k	Specific comments of inspecting officer	As observed and reported during inspection top-soil present in small amount.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Partial	NIL	-
5b	Area under backfilling of mined out area	NIL	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NIL	NIL	
5d	Total area fully reclaimed & rehabilitated	NIL	NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc	खान Backfilling के लिए Mature नहीं है तथा Filling material उपलब्ध नहीं है।		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2022-23)	Actual work (2022-23)	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.	As per rule	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	Nil 0.15 150	Nil 0.15 100	-

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	vi) Cost incurred on watch & care during the year	300 Nil Nil	Approx. 100 Nil 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	Plantation in periphery of the lease area	Plantation work done near lease boundary area.	-
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Nil	Nil	-
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	-
6f	General remarks of inspecting officer on PMCP compliance & progressive	Found Satisfactory.		

7.0 Mineral Conservation

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	300000 MT	10 MT	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanised and Manual	Manual breaking and	NIL
7c	Different grade of mineral sorted out at mines	NIL	NIL	NIL
7d	Any beneficiation process at mines			
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The sub-grade mineral is being sorted out manually and staked within the lease area on temporary basis.		

8.0 Environment

SN	Item	Proposals (2022-23)	Actual work (2022-23)	Remarks
8a	Separate removal and utilization of topsoil	NIL	NIL	Very thin layer of top soil present in lease area.
8b	Concurrent use or storage of topsoil	NIL	NIL	उत्पन्न top soil पौधारोपण के काम ली गयी है।
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NIL	NIL	There is no dump in the area.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes, as per PMCP Plantation 150 Nos	Yes and per PMCP Plantation 100 Nos	NIL
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	As per PMCP Plantation 150 Nos	Plantation 100 Nos	NIL
8g	Survival rate	80%	80%	Actual as per annual return.
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	NIL
8i	General remarks of inspecting officer on aesthetic beauty in and	Very thin layer of Top soil occurred. The aesthetic environment of lease area is satisfactory.		

around mines are

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9.0 Compliance of Rule 45

S. N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to till date - Submitted A.R. submitted up to till date- Submitted on 27-06-2023		--
S. N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No Mining Engineer & Geologist	Form-H submitted.	Mine is not working due to statutory notice & EC under process.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit 9.205 Ha. Other (Road & Plantation): 0.555 Ha.	Pit 9.205 Ha. Other (Road & Plantation): 0.555 Ha.	
9d	Scrutiny of Annual return on afforestation	Plants -100 Nos Survival rate-80%	Plants -100 Nos Survival rate-80%	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NIL	NIL	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Chemical Grade-65.33 Ton Cement Grade-104.06 Ton	Chemical Grade-65.33 Ton Cement Grade-104.06 Ton	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Chemical Grade- Rs.359 Cement Grade- Rs.362.60	Chemical Grade- Rs.359 Cement Grade- Rs.362.60	
9i	Scrutiny of Annual return on fixed assets	NA	NA	
9k	Scrutiny of Annual return on mining machineries	NIL	NIL	Mine is not working due to statutory notice & EC under process.

Note:- As per the letter received from the O/o Commissioner of Geology and Mining, Govt. of Gujarat dated 05/01/2024 regarding Status of Lease Validity, this mines is in the list of existing mining lease which are not lapsed under Section 4A(4) of the MMDR Act.

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:
- The mine was not working from last years. During inspection violation of Rule 28(1) for the rectification of the same within a period of 45 Days.

स्नेहलकुमार पटेल
सहायक खनन अभियंता
भारतीय खान ब्यूरो

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