

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Bhod Limestone Mine (13.37Ha)
1(b)	Name of Inspecting officer & Designation	G. Ram, DCOM
1(c)	Accomp.official	Sh. Lala Bhai , Representative
1(d)	Date & Type of Inspection	14.5.2022 FN & Star Rating
2	Total Lease Area (Ha), Non-forest & forest land	13.3748Hect. (Non-Forest) Survey No. 358/1P
3	Mine code	38GUJ08028
4	IBM Registration Number under rule 45	IBM/10132/2012
5	Name of the lessee, Address, phone, email, fax	M/s RR Minerals., Regd Office- 2, Kadiya Plot, Porbandar-362255, tannadipesh@yahoo.com
6	Village	Bhod
7	Taluka/Mandal	Ranavav
8	District	Porbandar
9	Pin code	360575
10	State	Gujarat
11	Post office	Ranavav
12	Nearest police station	Ranavav
13	Nearest Railway station	Ranavav
14	Date of Grant of Mining Lease	05.3.1979,
15	Date of Execution	21.12.1981, Expiry-20.12.2031
16	Date of opening of Mine	20.1.1982
17	Date of first Renewal, if applicable & expiry	9.1.2001, for 20years
18	Date of second Renewal, if applicable & expiry	NA,
19	Date of submission of renewal application if Mining are continuing under deemed extension	NA,
20	Name of the Nominated Owner with Address, phone, email, fax & appointment	Pankajbhai Nathabhai Vaghela, C/o- M/s RR Minerals., At PO- Porbandar, District- Porbandar, Gujarat-360575
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Pankajbhai Nathabhai Vaghela, C/o- M/s RR Minerals., At PO- Porbandar, District- Porbandar, Gujarat-360575
22	Name of the Mines Manager, Address, phone, email, fax and date of appointment in mines	NA, Mine is not working due to EC/NGT order.
23	Name of the ME, Qualification, Exp. with Address, phone, email, fax date of appointment in mine	Sh. KadamSinh, ME, BE(Mining) WEF-23.9.21
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule & carrying out their duties	Yes, Sh.Manoj Sharma, MSc (Geology) WEF-23.9.21
25	Date of Approval of MP/MMP with five-year period and specific condition in approval letter	Letter No. 682(23)/513/2009-MCCN (N) UDP Dated 30/4/2015.
26	Date of Approval of SOM with five-year period and specific condition in approval letter, if any.	Letter No. 684(4)(1)/MP-30/2017-GNR-MDRD (N) GNR Dated 12/6/2017 for 2017-18 to 2021-22
27	Mineral(s) granted in ML proved for mining	Limestone
28	Method of Mining(Open cast, Underground)	Open cast.
29	Category (Fully Mechanised, Others or Manual)	A-Category
30	Captive/Non Captive	Non-Captive

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

1.0 Exploration

SN	Item	Proposals (2021-22)	Actual work	Remarks
1a	Backlog of previous year	Not proposed	Not done	
1b	Exploration over lease area for G-axis 1 or 2.			
1c	Exploration Agency & Exp. in lakh Rupee in previous years.	--	--	
1d	Balance area to be explored to bring Geological axis in 1 or 2	The ML area is explored by way of existing pits. The entire lease area is G1/G2 level of exploration. G1-10.8389Ha, G2-2.5359Ha		
1e	Balance reserves as on 01.4.2017	2.4539millionT (111,121&122) & remaining resources (1.2793millionT) as per approved RMP dated 16.2.2022		
1f	General remarks of inspecting officer on geology, exploration etc.	The ML area is explored by way of existing pits. The entire lease area is G1/G2 level of exploration.		

2.0 Development

SN	Item	Proposals (2021-22)	Actual work	Remarks
2a	Location of development w.r.t. lease area	It was proposed to work as earmarked in plate No 3E	Not done	Mine is not working due to EC/NGT State order.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	It is proposed to removing the topsoil separately, if any.	Topsoil is removing seperately.	
2c	Stripping ratio or ore to OB ratio	1:0.0	1:0.0	
2d	Quantity of topsoil generation (m3)	Not proposed	Not generated	
2e	Quantity of OB generation (m3)	Not Proposed for the year	NIL	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The ML area is developed by way of existing pits & borehole. Entire ROM is saleable either in Cement /Chemical industries.		

3.0 Exploitation

SN	Item	Proposals (2021-22)	Actual work	Remarks
3a	Number of pits proposed for production	Two pits location proposed in plan period	Not done	Discontinued Notice (Form-D1) is not submitted. VL pointed out.
3b	Quantity of ROM mineral production proposed	305640T	0T	
3c	Recovery of salable/usable mineral from ROM production	305640T	0T	
3d	Quantity of mineral reject	15262M3	NIL, Not generated	
3e	Grade of mineral reject generation and threshold value declared	Above THV & below cut-off grade	Entire ROM is utilised,	
3f	Quantity of sub-grade mineral	Not Proposed	Entire ROM is utilised,	No subgrade/ Mineral rejects generated.
3g	Grade of sub-grade mineral	Not Proposed		
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method of mining proposed.	Mechanised method of mining	
3i	Any analysis or beneficiation study	Not Proposed	Not done	NIL
3j	Provision of drilling & blasting in mineral benches	As and when required	NA	
3k	Provision of mining m/c in mineral benches	Excavator/JCB & Tipper combination proposed.	Excavator/JCB & Tipper combination proposed.	
3l	Whether height of benches in OB and mineral suitable for method	Bench height-6m& width more than height	>6m bench height of irregular shape & width	
3m	Total area covered under excavation/pits	--	About 9.5Ha mining & 0.2 Road	
3n	Ore to OB ratio for the pit/mine during the year	1:0.0	1:0.0	
3o	Total area put in use under different heads at the end of year	It was proposed to work in 1.1Ha in plan period.	About 9.5Ha mining & 0.2 Road	
3p	Production of ROM mineral during last five-year period, as applicable	2017-18- 281520T 2018-19- 289040T 2019-20- 295300T 2020-21-299760T 2021-22-305640T	2017-18- 324580T 2018-19 -152780T 2019-20-156681T 2020-21-106300T 2021-22-0T (Till date)	Discontinued Notice (Form-D1) is not submitted. VL pointed out.
3q	General remarks of inspecting officer on method of mining etc.	Mechanised Opencast method, Excavator/JCB/loader with tipper/trailer combination.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2021-22)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & reject	Not proposed, since area of devoid of OB /waste in present plan period.	NIL, Not generated	Since ML area is devoid of OB/waste.
4b	Location of topsoil, OB & mineral reject dumps			
4c	Number of dumps within lease area and outside			
4d	Location of dumps w.r.t. ultimate pit limit			
4e	Number of active & alive dumps			
4f	Number of dead dumps			
4g	Number of dumps stabilised			
4h	Whether Retaining wall all along dumps			
4i	Length of garland drain all along dump			
4j	Number of settling ponds			
4k	Specific comments of inspecting officer	The lease area is devoid of OB/Waste. Hence not applicable presently.		

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 since area is devoid of OB/Waste.	ML area is devoid of OB/ waste & UPL is not attained. hence not proposed	No O/B is proposed & generated. Hence backfilling is not feasible.
5b	Area under backfilling of mined out area			
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area			
5d	Total area fully reclaimed & rehabilitated			
5e	General remarks of I/O on backfilling, reclamation etc.	There are no OB/Waste generation. Hence no backfilling & reclamation proposed & not carried out. UPL is not attained presently.		

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 (2020-21)	Annual reported on PMCP is required to be submitted with in stipulated time.	Annual PMCP report is submitted on 23.9.2021	Mine is not working due to EC/NGT State order.
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 etc.	Not proposed	NIL	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	150 Plants/0.15Ha Fencing-415m	150 Plants/0.15Ha -	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposed	Done by third party	
6f	General remarks of inspecting officer on PMCP compliance & progressive mine closure.	Annual PMCP report (2020-21) is submitted. Plantation is done with in 7.5m of statutory barrier.		

7.0 Mineral Conservation

SN	Item	Proposals (2021-22)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	305640T	0T	Mine is not working due to EC/NGT State order.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual /Mechanised	Manual /Mech.	
7c	Different grade of mineral sorted out at mines	Chemical/Cement	Chemical/Cement	
7d	Any beneficiation process at mines	Not Proposed	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Entire ROM is utilised by proper sizing & sorting, blending as per buyers requirement. No beneficiation study is requires.		

8.0 Environment

SN	Item	Proposals (2021-22)	Actual work	Remarks
8a	Separate removal and utilization of topsoil	Not proposed	Not generated.	Mine is not working due to EC/NGT State order.
8b	Concurrent use or storage of topsoil	Not proposed	Not done	
8c	Separate dumps for overburden, waste rock, rejects and fines	Not proposed	No OB/waste generated	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Not done	
8e	Phased restoration, reclamation, rehabilitation of lands affected by mining operations	No proposal	Not generated	
8f	Baseline information on existence of plantation & additional plantation done	50sapling/year	50Nos/Year	
8g	Survival rate	Not proposed	Poor survival	
8h	Water sprinkling on roads to control airborne dust	Proposal for supress air borne duct	Water sprinkling done reported.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines.	The aesthetic beauty of area in & around mines are degraded mine pit/land of irregular bench height & width due to mining activities etc.		

9.0 Compliance of Rule 45

S.N	Item	COMMENTS	Remarks	
	Status of submission of Online Monthly and Annual returns	M.R. & A.R. 2020-21 is submitted on online.		
S.N	Item		Observations	Remarks
9b	Scrutiny of Annual return for information on ME, Geologist and Manager	Appointed ME & Geologist as per provision of rules.		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details as per furnished in annual return.	Details as per furnished in annual return.	NIL
9d	Scrutiny of Annual return on forestation			
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)			
9f	Scrutiny of Annual return on ROM stock and/or graded ore			
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost			
9i	Scrutiny of Annual return on fixed assets			
9k	Scrutiny of Annual return on mining machineries			

Details of violations observed during current inspection and compliance position of earlier violation pointed out:- Presently mine was inspected under Star Rating of inspection & violation under provision of Rules 27(1) & 27(2), 28(1),45(5)(b), 46(a) of MCDR,2017 pointed out for rectification. Further validation (3Star) of Star Rating done online.
