

INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Rakka Limestone Mines (4.0Ha)
1(b)	Name of Inspecting officer	Sh. G Ram, DCOM
1(c)	Date of Inspection	29/3/2022 AN, Star Rating
1(d)	Accompanying officer	Sh. Manoj
2	Total Lease Area (Ha) , Non-forest and forest land	ML Area: 4.0Ha ,Survey Nos.: 106/1P
3	Mine code	38GUJ07084
4	IBM Registration Number under rule 45 of MCDR	IBM/22418/2018
5	Name of the lessee, Address, phone, email and fax number	M/s Gaytri Minerals, Prop. Shri M B Trivedi, Plot No.52, kaushalya Park-3, Shrinathji Nagar Phase, Bharatnagar, Bhavnagar, Gujarat-364002, trivedirajendraap@rediffmail.com
6	Village	Rakka
7	Taluka/ Mandal	Lalpur
8	District	Jamnagar
9	Pin code	361315
10	State	Gujarat
11	Post office	Lalpur
12	Nearest police station	Jamnagar
13	Nearest Railway station	Jamnagar
14	Date of Grant of Mining Lease	01.6.2012
15	Date of Execution	03.9.2012 (Expiry-02.9.2052 As per MMDR Act 2015,
16	Date of opening of Mine	2012-13
17	Date of first Renewal, if applicable, period & expiry	Not Applicable
18	Date of second Renewal, if applicable 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	M/s Gaytri Minerals, Prop. Shri M B Trivedi, Plot No.52, kaushalya Park-3, Shrinathji Nagar Pase, Bharatnagar, BhavnagarGujarat-364002, trivedirajendraap@rediffmail.com
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	M/s Gaytri Minerals, Prop. Shri M B Trivedi, Plot No.52, kaushalya Park-3, Shrinathji Nagar Pase, Bharatnagar, Bhavnagar Gujarat-364002, trivedirajendraap@rediffmail.com
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	NA
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Not appointed, Violation under Rule 55(1)(3) pointed out.
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule & carrying out their duties as per rule	Not appointed, Violation under Rule 55(1) (3) pointed out.
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 vide letter no 682(23)/MS/793/2011 MCCM/UDP Dated-12.4.2012 for 2012-13 to 2016-17.
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-148(28)/2018/MDRD/N/GNR Dated 29.6.2018 for 2018-19 to 2021-22.
27	Mineral(s) granted in lease	Limestone
28	Method of Mining(Open cast,/UG)	Open cast Mining
29	Category (FM, 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 (2020-21)	Actual work	Remarks
1a	Backlog of previous year	Proposed 05 core borehole in 2018-19 (total 100m)	Not done,	VL pointed out under rule 11(1).
1b	Exploration over lease area for Geo. axis 1 or 2.	Not Proposed		
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not Proposed		
1d	Balance area to be explored to bring Geo. axis in 1 or 2	Not Proposed		
1e	Balance reserves (Million Tonnes) as on 01.04.2021	UNFC (111,121&122)-0.291million tonne as per approved RMP 29.6.18		
1f	General remarks of inspecting officer on geology, exploration etc.	The part of lease area is remain for further exploration work.		

2.0 Development

SN	Item	Proposals (2020-21)	Actual work	Remarks
2a	Location of development w.r.t. lease area	Pit No.1 & earmarked in development plan No.3D	Deviated due to excess production / change of place of working	Violation pointed out under rule 11(1)
2b	Separate benches in topsoil, overburden and mineral	Proposed benches in regular	Irregular	
2c	Stripping ratio or ore to OB ratio	Not Proposed	NIL	
2d	Quantity of topsoil generation in m3	Not Proposed	NIL	
2e	Quantity of OB generation in m3	Not Proposed	NIL	
2f	General remarks of I/O on development of pit w.r.t. type of deposit etc.	Mining lease area is developed by mine pits of limestone deposit in hillock area.		

3.0 Exploitation

SN	Item	Proposals (2020-21)	Actual work	Remarks
3a	Number of pits proposed for production	Single pit	Single pit with irregular working	Violation pointed out under rule 11(1) for excess production & excavation is not done as proposed location as per approved plan.
3b	Quantity of ROM mineral production proposed	2020-21-58652T	187738T	
3c	Recovery of saleable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Not Proposed	NIL	
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	NIL	
3f	Quantity of sub-grade mineral generation	Not Proposed	NIL	
3g	Grade of sub-grade mineral generation	Cement grade	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual/Mech.	Manual/Mech.	
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	Proposed	As & when requires	
3k	Provision of mining machineries in mineral benches	HEMM/JCB & tipper combination	HEMM/JCB & tipper combination	
3l	Whether height of benches in OB and mineral suitable for method of mining	1-3M bench, Regular	1-3-M-Irregular	
3m	Total area covered under excavation/pits	1.69Ha in plan period	Total Excavated area-about 1.4ha, irregular	ROM & excavated area appears mismatch, VL 11(1) pointed out.
3n	Ore to OB ratio for the pit/mine	1:0.0	NIL	
3o	Total area put in use under different heads at the end of year	About 1.69Ha in plan period as earmarked	Total Excavated area-about 1.4ha in irregular area.	Excess ROM done hence rule 27(1&2) pointed out.
3p	Production of ROM mineral during last five-year period, as applicable	Yr-2017-18- NA Yr-2018-19-58652T Yr-2019-20-58652T Yr-2020-21-58652T Yr-2021-22-58652T	7200T 61501T 93529T 187738T 187025T (Till Feb.)	Violation pointed out under rule 11(1) for excess production & ROM is given based upon monthly return.
3q	General remarks of inspecting officer on method of mining etc.	Opencast method of mining with excavator & tipper combination.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2020-21)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject	Not Proposed	NIL	
4b	Location of topsoil, OB & mineral reject dumps	Not proposed,	NIL	
4c	Number of dump within & outside lease	Not Proposed	NIL	
4d	Location of dumps w.r.t. UPL	No Proposal	NA	
4e	Number of active & alive dumps	Not Proposed	NA	
4f	Number of dead dumps	Not Proposed	NA	
4g	Number of dumps stabilised	Not Proposed	NA	
4h	Whether Retaining wall or garland drain all along dumps are there	Not Proposed	NA	
4i	Length of Retaining wall or garland drain all along dump	Not Proposed	NA	
4j	Number of settling ponds	Not Proposed	NA	
4k	Specific comments of inspecting officer	NIL		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2020-21)	Actual work	Remarks
5a	Status on part 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 mined out area	No proposal		
5d	Total area fully reclaimed & rehabilitated	No proposal	NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc	NIL		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2020-21)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly	Proposed	Annual PMCP report is not Submitted	Violation pointed out under rule 26(2)
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	0.02Ha 100 No NA	NIL 100 No. (Survival poor) 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	Not Proposed	NIL	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposed	Env. Monitoring is being carried out	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Annual PMCP report is not submitted, hence violation of rule 26(2) pointed out.		

7.0 Mineral Conservation

SN	Item	Proposals (2020-21)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2020-21-58652T	187738T	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Manual	Manual	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	NIL		

8.0 Environment

SN	Item	Proposals (2020-21)	Actual work	Remarks
8a	Separate removal and utilization of topsoil		NIL	
8b	Concurrent use or storage of topsoil	Not proposed	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines	No proposal	NIL	
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)	No proposal	NIL	
8f	Baseline information on existence of plantation & add. plantation done	N.A	NIL	
8g	Survival rate	No proposal	50-60%	Poor survival
8h	Water sprinkling on roads to control airborne dust	No proposal	Water sprinkling done on haul road.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Violation under provision of Rule 11(1), 26(2), 27(1&2),33,35(4B) 45(5) (b) & 55(1)(3)(i) Pointed out for rectification.		

9.0 Compliance of Rule 45

S.N.	Item	COMMENTS		
	Status of submission of Online Monthly and Annual returns	M.R. Submitted up to till date – Before 10 th of every month & A.R. submitted up to till date-		
S.N.	Item	Details GIVEN in A.R. (2020-21) Observation of I/Officer /Actual reported in Returns		Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer & Geologist is not appointed & Hence violation under 55(1)(3) pointed out.		Violation under rule 45(5)(c) pointed out for rectification.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Annual return for the year 2020-21 is not submitted to IBM till date	Hence scrutiny not done.	
9d	Scrutiny of Annual return on afforestation			
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			

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - Presently mine was inspected for Star Rating inspection. During inspection mine was not working & lease boundary pillars were not available/erected. Therefore directed to State Govt. for action under 12(v) (i-xv) of MCR, 2016. Star Rating validation done (3Star). Further violation under provision of Rule 11(1), 26(2), 27(1&2), 33, 35(4B) 45(5) (b) & 55(1) (3) (i) Pointed out for rectification. Presently mine is under suspension wef 10/1/22 & still not revoked.