

## 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, Sr.ACOM
1(c)	Date of Inspection	19/5/2018 AN, RMP
1(d)	Accompanying officer	Sh. Jusab & V K Jain, Technical Person
2	Total Lease Area (Ha) with breakup of 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, 1988	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 Pase, Bharatnagar, Bhavnagar Gujarat-364002, Phone-82006-91370 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, under process)
16	Date of opening of Mine	2012-13
17	Date of first Renewal, if applicable and its period & expiry	Not Applicable
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	M/s Gaytri Minerals, Prop. Shri M B Trivedi, Plot No.52, kaushalya Park-3, Shrinathji Nagar Pase, Bharatnagar, Bhavnagar Gujarat-364002, Phone-82006-91370 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, Phone-82006-91370 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	NA
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	NA.
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.	Mining Plan was approved vide letter no 682(23)/MS/793/2011 MCCM/UDP Dated-12.4.2012 for 2012-13 to 2016-17.
27	Mineral(s) granted in lease	Limestone
28	Method of Mining(Opencast,/UG)	Opencast 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 (2016-17 & 2017-18)	Actual work	Remarks
1a	Backlog of previous year	Two trial pits proposed in II & III year of plan period.	Not done, presently Lessee has been carried out 5 trial pits in 2017-18.	
1b	Exploration over lease area for Geological axis 1 or 2.	NA	Partly done	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not Proposed	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Proposed	Further detail exploration proposed in next scheme period.	
1e	Balance reserves (Million Tonnes) as on 01.04.2018	UNFC (111,121&122) – 0.172620Million Tonne as per last approved mining plan Dated 12.4.2012. Depletion of production achieved of about 101602T & balance reserves is about 0.071018MT		
1f	General remarks of inspecting officer on geology, exploration etc.	The part of lease area is still remain for further exploration work.		

**2.0 Development**

SN	Item	Proposals(2016-17 & 2017-18)	Actual work	Remarks
2a	Location of development w.r.t. lease area	Proposed & earmarked in plate no-5 in plan period.	Deviated due to excess production/change of place of working in plan period.	Violation pointed out under rule 11(1) for excess production & court case filed.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	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 overburden generation in m3	Not Proposed	NIL	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Violation under provision of Rule 11(1), 45(5) (b) & 45(5) (c), 33 Pointed out for rectification.		

**3.0 Exploitation**

SN	Item	Proposals(2016-17 & 2017-18)	Actual work	Remarks
3a	Number of pits proposed for production	Single pit	Single pit with irregular working area.	
3b	Quantity of ROM mineral production proposed	2016-17=8359T 2017-18=NA	2016-17=28700T 2017-18=7200T	Violation pointed out under rule 11(1) for excess production & court case filed.
3c	Recovery of salable/usable mineral from ROM production	2016-17=8359T 2017-18=NA	2016-17=28700T 2017-18=7200T	
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	440T(2016-17) & NA (2017-18)	NIL	Entire ROM is utilising by proper sorting & sizing.
3g	Grade of sub-grade mineral generation	Cement grade	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	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	J/H Drilling & Blasting	J/H Drilling & Blasting	
3k	Provision of mining machineries in mineral benches	Tipper, Compressor & water tanker	J/H Drilling & Blasting, Tipper, Compressor & water tanker	

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	1-3M bench, Regular	1-3-M-Irregular	
3m	Total area covered under excavation/pits	About 0.8Ha in plan period	Total Excavated area- about 1.0 ha in irregular area.	Violation pointed out under rule 11(1) for excess production & court case filed.
3n	Ore to OB ratio for the pit/mine during the year	Not Proposed	Nil	
3o	Total area put in use under different heads at the end of year	About 0.8Ha in plan period as earmarked in plate No.5	Total Excavated area- about 1.0 ha in irregular area.	
3p	Production of ROM mineral during last five-year period, as applicable	Yr-2013-14 – 8028T Yr-2014-15 – 8194T Yr-2015-16 – 8109T Yr-2016-17– 8359T Yr-2017-18– NA	Yr-2013-14 – 775T Yr-2014-15 – 37527T Yr-2015-16 – 27400T Yr-2016-17– 28700T Yr-2017-18– 7200T	Violation pointed out under rule 11(1) for excess production & court case filed.
3q	General remarks of inspecting officer on method of mining etc.	Violation under provision of Rule 11(1), 45(5) (b) & 45(5) (c), 33 Pointed out for rectification.		

#### **4.0 Solid Waste Management-Dumping**

SN	Item	Proposals(2016-17 & 2017-18)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Not Proposed	NIL	
4b	Location of topsoil, OB & mineral reject dumps	Not proposed,	NIL	
4c	Number of dumps within lease area and outside lease area	Not Proposed	NIL	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	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	Violation under provision of Rule 11(1), 45(5) (b) & 45(5) (c), 33 Pointed out for rectification.		

#### **5.0 Solid Waste Management-Backfilling**

SN	Item	Proposals(2016-17 & 2017-18)	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 mined out area (Rule 32)	No proposal		
5d	Total area fully reclaimed & rehabilitated	No proposal		
5e	General remarks of inspecting officer on backfilling, reclamation etc	NIL		

#### **6.0 Progressive Mine Closure Plan**

SN	Item	Proposals(2016-17 & 2017-18)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly	Proposed	NA	Violation pointed out

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 20 No    NA	NIL 20    NIL	under rule 11(1) for excess production & court case filed.
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	NA  NA	NIL  NIL	
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)	Proposed	Env. Monitoring is being carried out periodical.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Violation under provision of Rule 11(1), 45(5) (b) & 45(5) (c), 33 Pointed out for rectification.		

#### **7.0 Mineral Conservation**

SN	Item	Proposals(2016-17 & 2017-18)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2016-17=8359T 2017-18=Not Proposed	2016-17=28700T 2017-18=7200T	
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	Violation under provision of Rule 11(1), 45(5) (b) & 45(5) (c), 33 Pointed out for rectification.		

#### **8.0 Environment**

SN	Item	Proposals(2016-17 & 2017-18)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	2016-17-Not Proposed 2017-18-Not Proposed	NIL	
8b	Concurrent use or storage of topsoil	Not proposed	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	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 & additional plantation done (Rule 41)	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 carried out on the haul road.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Violation under provision of Rule 11(1), 45(5) (b) & 45(5) (c), 33 Pointed out for rectification.		

**9.0 Compliance of Rule 45**

S.N.	Item	COMMENTS	Remarks	
	Status of submission of Online Monthly and Annual returns	M.R. Submitted up to till date – Before 10 <sup>th</sup> of every month & A.R. submitted up to till date-		
S.N.	Item	Details GIVEN in A.R. (2016-17) Observation of I/Officer /Actual reported in Returns	Remarks	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NA	The lessee/ party has not been submitted the online monthly/ annual return for the past years with in stipulated time & violation pointed out for rectification.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	The lessee/ party has not been submitted the online monthly/ annual return for the past years with in stipulated time & violation pointed out for rectification.		NIL
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 Review of Mining Plan 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 on 29/6/18. Further Violation under provision of Rules 11(1), 45(5) (b) & 45(5) (c), 33 Pointed out by this office for excess ROM production/ non-submission of online Periodical return & prosecution/court case filled which is under process.