

## MCDR INSPECTION REPORT

I/33676/2024.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	Govlani Limestone Mine, (Sy. No.78/P)
2A	Inspecting officer with date, Type	Naman Ekka, SMG, 03/11/2023 , RMP
2B	Accompanying official	Shachin Sharma, Geologist
3	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total area-25.45 Ha, Non-Forest land
4	Mine code & IBM Registration Number under rule 45 of MCDR, 17	38GUJ21054 & IBM/437/2011
5	Name of the lessee, Address, phone, email and fax number	Tata Chemicals Limited, Regd.-Bombay House, 24 Homy modi street, Fort,Mumbai-400001, Works- Ranavav Quarries, Ranavav, Dist- Porbandar Gujarat – 360550, cmdwivedi@tatachemicals.com
6	Village	Govlani
7	Taluka/Mandal	Ranavav
8	District	Porbandar
9	Pin code	360550
10	State	Gujarat
11	Post office	Ranavav
12	Nearest police station	Ranavav
13	Nearest Railway station	Ranavav
14	Date of Grant of Mining Lease	16.06.1973
15	Date of Execution	18.9.1974, 50 Year, Expiry-31.3.2030 as per MMDR Amendment Act,2015
16	Date of opening of Mine	01.11.2015
17	Date of first Renewal, if applicable and its period & expiry	16.09.1993 period 20 Years
18	Date of second Renewal, period & expiry	15.9.2003 period 20 years
19	Date of submission of renewal application / deemed extension if any	18.2.2016
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	R. Mukundan, M/s Tata Chemicals Limited, Bombay House, 24 Homy Modi Street, Mumbai – 400001,Maharastra
21	Name of the Mine Agent, Address, phone, email, fax & date of appointment	Rohit Gaur- Ranavav Quarries, Ranavav, Dist- Porbandar Gujarat – 360550, cmdwivedi@tatachemicals.com
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Sh.Nikhil Laddha, Works- Ranavav Quarries, Ranavav, Dist- Porbandar Gujarat – 360550
23	Name of the ME, Qua. & Exp., Address, phone , email, fax, date of appointment	Shri Sh.Nikhil Laddha
24	Whether Geologist & ME appointed in mines satisfy the rule 42, 43 & 44	Sachin Sharma MSc (Geology).
25	Date of Approval of Mining Plan /Modified Mining Plan with five-year period and specific condition in approval letter, if any.	682(23)(648)/96-MCCM(N)UDP, 28.9.1997, 682(23)(439)/08-MCCM(N)UDP, 26.5.2014
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	682(23)MS/(214)/2003-MCCM(N)UDP, 22.10.2003 682(23)CLP/(55)/2005-MCCM(N)UDP,11.3.2005 682(23)MS)/(439)/2008-MCCM(N)UDP,21.5..2008 684(4)(1)OMP-216/2019 MDRD(U) GNR 16.5.2019 for the period of 2019-20 to 2023-24
27	Mineral(s) granted in lease	Limestone
28	Method of Mining (O/C, U/G)	Opencast
29	Category (FM, Others or Manual)	A-Others (mechanised)
30	Captive/Non Captive	Captive

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

## 1/33676/2024.0 Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Not Proposed	NIL	Entire lease area has been explored in G1/ G2 level.
1b	Exploration over lease area for Geological axis 1 or 2.			
1c	Exploration Agency & Expenditure in lakh Rupees during the year			
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Proposed	NIL	
1e	Balance reserves	Reserves area -(111,121&122)= 0.11million tonne		
1f	General remarks of inspecting officer	The part of lease area is still there for detail exploration. The mine was not worked in past due to want of statutory clearance etc.		

## 1.0 Development

SN	Items	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	E/W578446-578622 N/S 2399392-2399583	Partly done as proposed due to lagging lateral & depth	
2b	Separate benches in topsoil, overburden and mineral	Proposed	Maintained separately benches.	
2c	Stripping ratio or ore to OB ratio	1:0.0	1:0.00	
2d	Quantity of topsoil generation (m3)	Not proposed	0T	
2e	Quantity of OB generation (m3)	Not proposed	0T	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	ML area is having good quality of chemical & cement grade limestone. Mining lease area is developed by forming open cast pits.		

## 2.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production (Plate no 5A to 5E)	Single Pit	Single pit,	
3b	Quantity of ROM mineral production proposed	1,10,000 T	103303 T	
3c	Recovery of saleable/usable mineral from ROM production	100%	Entire ROM is utilising by proper sorting & sizing	Captive Consumption
3d	Quantity of mineral reject generation	0	NIL	
3e	Grade of mineral reject generation and threshold value declared	Above THV & below cut-off grade bauxite	THV-Cao-34%(Min) & Mgo-5% (Max)	
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	Manual / mechanised	Manual / mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade/ mineral reject	Not Proposed	Not done	-
3j	Provision of drilling & blasting in mineral benches	drilling & blasting as and when requires	As proposed	-
3k	Provision of mining machineries in mineral benches	Excavator-01,1.3M3 bucket capacity, Tippers - (17T)	Excavator-01,1.3M3 bucket capacity, Tippers -(17T) etc.	
3l	Whether height of benches in OB & mineral suitable for method of	mechanised working with regular bench height	Irregular bench height	

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	mining proposed			
3m	Total area covered under excavation/pits	8.4Ha area proposed in plan period.	Total excavated area is about 11.45 Ha.,	
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 (as on 31.03.2018)	14.65Ha	Total excavated area is about 11.45 Ha.,	
3p	Production of ROM mineral during last five-year period, as applicable	2018-191103338T 2019-20-110000T 2020-21-110000T 2021-22 – 110000 T 2022-23 – 110000 T	110300T 110000T 92900T 103000 T 110000 T	Deviated due to lagging in ROM production in plant requirement /quality constraints.
3q	General remarks of inspecting officer on method of mining etc.	Opencast method of mining with rock breaker & tipper combination. Drilling & blasting is occasional.		

### 3.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB/Mineral reject (Rule 32, 33)	Proposed for utilised for plantation purposes.	Topsoil is not reported /generated presently.	No OB/Waste proposed & generated. Entire ROM is utilising by proper blending as per quality requirement.
4b	Location of topsoil, OB & mineral reject dumps	Not Proposed	Partly done in backfilling/road work if	
4c	Number of dumps within lease area and outside lease area	None	None	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not applicable	Not applicable	
4e	Number of active & alive dumps	No proposal	Not applicable	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilised	Not applicable	NIL	
4h	Whether Retaining wall or garland drain all along dumps are there	Fencing-	Fencing-	
4i	Length of Retaining wall or garland drain all along dump	Not applicable	One garland drain constructed (100M)	
4j	Number of settling ponds	Not proposed	NIL	
4k	Specific comments of inspecting officer	ML area is devoid of OB/waste. Hence not generated presently.		

### 4.0 Solid Waste Management-Backfilling

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not proposed	NIL	
5b	Area under backfilling of mined out area	--	-	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	NIL	
5d	Total area fully reclaimed & rehabilitated	Nil	---	
5e	General remarks of inspecting officer on backfilling, reclamation etc.	The lease area is devoid of OB/Waste hence no backfilling is proposed in present plan period.		

## 6.0 Progressive Mine Closure Plan

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SN	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.	Proposed	Yes, Submitted on 21 <sup>st</sup> May 2020	
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	0.2 Ha 200 200 Nil Rs. 154960	0.3 Ha 320 1720 Nil Rs. 500103	
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	Not Proposed	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)	Periodically monitoring as per IBM/MoEF guidelines.	Periodically monitoring as per IBM/MoEF guidelines.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Lessee has submitted the PMCP report with in stipulated time with in 7.5m of statutory barrier.		

### 7.0 Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Mineral Dispatch	ROM Mineral Dispatch	Lessee is utilizing entire ROM by proper sorting & sizing as per plant requirement.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No Sorting Proposal	No Grade Wise Sorting Done	
7c	Different grade of mineral sorted out at mines	No Proposal	Not Done	
7d	Any beneficiation process at mines	Not required	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Lessee is utilizing entire ROM by proper stacking, sorting & sizing as per plant requirement.		

### 8.0 Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed for separate removal	Utilising for plantation purposes only.	Whatever little top soil is generated, directly used for plantation purposes.
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	
8d	Use of OB, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	

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8e	Phased restoration, reclamation & rehabilitation of lands affected by mining operations (Pits, dumps etc.)	No proposal	Nil	
8f	Baseline information on (Rule 41) existence of plantation & additional plantation done	No proposal	Utilising for plantation purposes only.	
8g	Survival rate	---	About 85%	
8h	Water sprinkling on roads to control airborne dust	Water spraying on haul road loading & unloading points	Regular water sprinkling is done.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	The aesthetic beauty of area is mine working pits & plantation done in 7.5m but surrounding area is less irrigated land & scanty shrub are observed.		

**9.0 Compliance of Rule 45**

S.N	Item	COMMENTS		Remarks
	Status of submission of Monthly and Annual returns	M.R. submitted up to –Nov. 2023 A.R. submitted up to- 2022-23		
S.N	Item	Details GIVEN in A.R.	Observation of I/O	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist & Manager	Shri Sh.Nikhil Lodha, CM Dwivedi, MSc (Geology)		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under use – 10.74 Ha, Occupied by plant & bldg.-0.71Ha, Green belt/mineral storage-0.8Ha	**Scrutiny of annual return for the year 2022-23 has been carried out & in order.	
9d	Scrutiny of Annual return on afforestation	No of trees planted:320 with survival rate of 70%		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	There is no mineral rejects during the year		
9f	Scrutiny of Annual return on ROM stock and/or graded ore	O/Stock-366T, ROM-1,10,000T, dispatch-11023.15T, C/s-342.85T		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex. Mine price–201.84Rs. /T (Chemical) ,Captive used		
9i	Scrutiny of Annual return on fixed assets	given		
9k	Scrutiny of Annual return on mining machineries	01-Shovel/Back hoe—1M3 & Wheelloader-01, Tipper-17M3 & water tanker,		

**10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:-** Presently mine was inspected for RMP inspection & online validation of star rating done.

Naman Ekka  
SMG

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