

MCDR INSPECTION REPORT**1.0 GENERAL**

SN	Particulars	Details
1	Name of the Mine	Ishwaria 'G' Limestone Mine
2A	Inspecting officer with date, Type	Shri Sanjaya kumar Sahoo, (Junior Mining Geologist) , 06/08/2024 ,Star Rating
2B	Accompanying official	Sh.Sachin Sharma, Geologist and Rakesh kumar singh, MM
3	Total Lease Area (Ha),Non-forest and forest	Total area-8.7Ha, Non-Forest land
4	Mine code & IBM Registration Number under rule 45 of MCDR, 17	38GUJ21077 & 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, rgaur@tatachemicals.com
6	Village	Ishwaria
7	Taluka/Mandal	Kutiyana
8	District	Porbandar
9	Pin code	360550
10	State	Gujarat
11	Post office	Kutiyana
12	Nearest police station	Ranavav
13	Nearest Railway station	Ranavav
14	Date of Grant of Mining Lease	13.04.1970
15	Date of Execution	12.10.1970, Expiry- 31.03.2030 as per MMDR Amendment Act,2015
16	Date of opening of Mine	--
17	Date of first Renewal, if applicable and its period & expiry	12.10.1990 to 11.10.2000 for 10 years
18	Date of second Renewal, period & expiry	12.10.2000 to 11.10.2020 for 20 years
19	Date of submission of renewal application / deemed extension if any	12.10.2000 to 31.03.2030
20	Name of the Nominated Owner, Address, phone, email, fax , date of appointment	Shri R. Mukundan, M/s Tata Chemicals Limited, Bombay House, 24 Homy Modi Street, Mumbai - 400001,Maharashtra
21	Name of the Mine Agent, Address, phone, email, fax & date of appointment	Shri Rohit Gaur, Works- Ranavav Quarries, Ranavav, Dist- Porbandar Gujarat - 360550, rgaur@tatachemicals.com
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Rakesh Kumar Singh, Diploma (Mi) & SCC(R), Works- Ranavav Quarries, Dist- Porbandar Gujarat - 360550 WEF-08.12.2021
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Rakesh Kumar Singh, Diploma (Mi) & SCC(R), Works- Ranavav Quarries, Dist- Porbandar Gujarat - 360550 WEF-08.12.2021
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44	Shri Sachin Sharma- Geologist Shri Rakesh Kumar Singh- Mining Engineer
25	Date of Approval of Mining Plan /Modified Mining Plan with five-year period and Specific condition in approval letter, if any.	682(23)MS-527/09-MCCM(N), 16.10.2014 682(23)MS-527/09-MCCM(N)UDP, 26.07.2016 684(4)(1)/MP-260/2019-20-GNR/70,08.1.2020 for 2020-21 to 2024-25 684(4)(1)MP/397/2021-22/GNR Dated 11.05.2022 for 2022-23 to 2024-25

		FMCP approved vide letter no. 684(4)(1)/MP-538 (FMCP - 34)(397)/ 2021 - 22, Dated - 15/03/2024
26	Date of Approval of SOM/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NA
27	Mineral(s) granted in lease	Limestone
28	Method of Mining (O/C, U/G)	Opencast
29	Category (FM, Others or Manual)	A
30	Captive/Non Captive	Captive

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

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1.0 Exploration

SN	Item	Proposals 2023-24	Actual work	Remarks
1a	Backlog of previous year	Not Proposed	Not Applicable	
1b	Exploration over lease area for Geological axis 1 or 2.	Not Proposed	G1	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not Proposed	Not Applicable	

1d	Balance area to be explored to bring Geological axis in 1 or 2	Not Proposed	Not Applicable	
1e	Balance reserves as on 01.4.2024 (111, 121 & 122)	111-0 121-0 122-0 Total Resources- 641210 MT		
1f	General remarks of inspecting officer	There was no exploration proposal for 2023-24. Area is fully explored to G1.		

2.0 Development

SN	Item	Proposals 2023-24	Actual work	Remarks
2a	Location of development w.r.t. lease area	Not Proposed	Not Applicable	FMCP approved vide letter no. 684(4)(1)/MP-538 (FMCP - 34)(397)/ 2021 - 22, Dated - 15/03/2024
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Not Proposed	Not Applicable	
2c	Stripping ratio or ore to OB ratio	Not Proposed	Not Applicable	
2d	Quantity of topsoil generation in m3	Not Proposed	Not Applicable	
2e	Quantity of overburden generation in m3	Not Proposed	Not Applicable	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	There was no proposal of development in the Mining Plan for 2023-24. No excavation was carried out. During inspection; mining operations were not carried out.		

3.0 Exploitation

SN	Item	Proposals 2023-24	Actual work	Remarks
3a	Number of pits proposed for production	Not Proposed	Not Applicable	

3b	Quantity of ROM mineral production proposed	Not Proposed	Not Applicable	
3c	Recovery of saleable/usable mineral from ROM production	Not Proposed	Not Applicable	
3d	Quantity of mineral reject generation	Not Proposed	Not Applicable	
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	Not Applicable	
3f	Quantity of sub-grade mineral generation	Not Proposed	Not Applicable	
3g	Grade of sub-grade mineral generation	Not Proposed	Not Applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Not Proposed	Not Applicable	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade/ mineral reject	Not Proposed	Not Applicable	
3j	Provision of drilling & blasting in mineral benches	Not Proposed	Not Applicable	
3k	Provision of mining machineries in mineral benches	Excavator-0.9m ³ bucket capacity, Dumper-17t	Dumper- 02 Back hoe- 01 Wheel Loader- 01 Water Tanker- 01 Other HEM- 01	
3l	Whether height of benches in OB & mineral suitable for method of mining proposed	Not Proposed	Not Applicable	
3m	Total area covered under excavation/pits	7.6149 Ha	Total Excavated area is 7.327 Ha.	
3n	Ore to OB ratio for the pit/mine during the year	Not Proposed	Not Applicable	
3o	Total area put in use under different heads at the end of year	Mining - 7.6149 Ha Roads - 0.0622 Ha Others - 0.0871 Ha	Mining - 7.3270 Ha Roads - 0.1240 Ha Others - 1.1600 Ha	
3p	Production of ROM mineral in MT during last five-year period, as applicable	2019-20-65000 2020-21-86000 2021-22-65000 2022-23-133467 2023-24- Nil	65000 0 47378.92 65000 Nil	
3q	General remarks of inspecting officer on method of mining etc.	There was no production proposal for 2023-24. Machineries were used in FMCP work. No Violation found.		

4.0: Solid Waste Management-Dumping

SN	Item	Proposals 2023-24	Actual work	Remarks
4a	Separate dumping of topsoil, OB/Mineral reject (Rule 32,	No Proposal	Not Applicable	

	33)		
4b	Location of topsoil, OB & mineral reject dumps	No Proposal	Not Applicable
4c	Number of dumps within lease area and outside lease area		
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)		
4e	Number of active & alive dumps		
4f	Number of dead dumps		
4g	Number of dumps stabilized		
4h	Whether Retaining wall or garland drain all along dumps are there		
4i	Length of Retaining wall or garland drain all along dump		
4j	Number of settling ponds		
4k	Specific comments of inspecting officer	OB, Top soil and Mineral reject generation were not proposed.	

5.0: Solid Waste Management-Backfilling

SN	Item	Proposals 2023-24	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No Proposal	Not Applicable	
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 inspecting officer on backfilling, reclamation etc.	Back filling was not proposed for 2023-24.		

6.0: Progressive mine Closure Plan

SN	Item	Proposals 2023-24	Actual work	Remarks
6a	Whether Annual report on PMCP Submitted on time correctly Rule 26 (2).	Yes	Along with Annual Report.	
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	Area- 0.29 Ha No. of Plants- 230 Survival rate- 80%	Area- 1.16 Ha No. of Plants- 800 plants Survival rate- 35% Cumulative No. of plants- 6190	Co-ordinates taken near Plantation- N21° 42' 29.5" E069° 56' 44.0" Survival rate is low but number of plantation is much more than the

	& care during the year			proposal.
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 (Fencing)	No Proposal	Not Applicable	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	No Proposal	Not Applicable	
6e	Compliance of Environmental monitoring (core zone/buffer zone)	Yes	Yes	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Work has been done as per PMCP proposal. No Violation found.		

7.0: Mineral Conservation

SN	Item	Proposals 2023-24	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No Proposal	Not Applicable	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	No Proposal	Not Applicable	
7c	Different grade of mineral sorted out at mines	No Proposal	Not Applicable	
7d	Any beneficiation process at mines	No Proposal	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There was no production proposal for 2023-24.		

8.0: Environment

SN	Item	Proposals 2023-24	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Proposal	Not Applicable	
8b	Concurrent use or storage of topsoil	No Proposal	Not Applicable	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Proposal	Not Applicable	
8d	Use of OB, waste rock, rejects, fines dump for restoring land to	No Proposal	Not Applicable	

	original use			
8e	Phased restoration, reclamation & Rehabilitation of lands affected by mining operations (Pits, dumps etc.)	No Proposal	Not Applicable	
8f	Baseline information on existence of plantation & additional plantation done	-	Cumulative No. of plants- 6190	
8g	Survival rate	80%	35%	
8h	Water sprinkling on roads to control airborne dust	Yes	Yes	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Work done is satisfactory. During the inspection mining operations were not carried out.		

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 -December 2024 on 03.01.2025. A.R. submitted up to- 2023-24 (10.06.2024)		Submitted on time.
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 Rakesh Kumar Singh- Mining Engineer Shri Sachin Sharma- Geologist		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pits- 7.3270 Ha Dump- Nil	Area under pits- 7.3270 Ha Dump- Nil	No violation found.
9d	Scrutiny of Annual return on afforestation	No. of Plants: 800, Survival rate-35% No. of Cumulative Plants- 6190	No. of Plants: 800, Survival rate-35% No. of Cumulative Plants- 6190	
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	Cement grade- O/S- 9123.925 MT & C/S- 276.615 MT, Dispatch- 8847.310 MT	Cement grade- O/S-9123.925 MT & C/S- 276.615 MT, Dispatch- 8847.310 MT	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex. Mine price-₹177.20/- (Chemical),Captive used, Sale value- 0/- Production cost- ₹177.20/- per tonne	Ex. Mine price-₹177.20/- (Chemical),Captive used, Sale value- 0/- Production cost- ₹177.20/- per tonne	
9i	Scrutiny of Annual return on fixed assets	₹1444449/-	₹1444449/-	
9k	Scrutiny of Annual return on mining machineries	Dumper- 02 Back hoe- 01 Wheel Loader- 01 Water Tanker- 01	Dumper- 02 Back hoe- 01 Wheel Loader- 01 Water Tanker- 01	

		Other HEM- 01	Other HEM- 01	
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10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:-

1. No violation was pointed out during previous inspection.
2. No Violation was found during current year inspection.
3. The Drone data has been submitted by the Lessee on 28-06-2024. It has been checked and referred back.
4. Self-assessment date of Star Rating is 28-06-2024 and the Rating given by the Lessee is 4. The evaluation has been done and given 3 Star.

Shri. Sanjaya Kumar Sahoo
Junior Mining Geologist
Indian Bureau of Mines