

MCDR INSPECTION REPORT

I/33692/2024

1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Adityana – A-1, F & D-Plot Limestone Mine
1(b)	Name of Inspecting Officer & Designation	Shri Naman Ekka, Sr. Mining Geologist-IBM
1(c)	Accompanying Mines Representatives	Sh. Rohit Gaur - Agent Mines
1(d)	Type of Inspection	Final Mine Closer Plan
1(e)	Date of Inspection	10.12.2023
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	42.90 Hectare
3	Minecode	38GUJ08231
4	IBM Registration Number under rule 45 of MCDR, 1988	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	Adityana
7	Taluka/Mandal	Ranavav
8	District	Porbandar
9	Pincode	360545
10	State	Gujarat
11	Post office	Adityana
12	Nearest police station	Adityana
13	Nearest Railway station	Ranavav
14	Date of Grant of Mining Lease	27.07.1971
15	Date of Execution	29.04.1972
16	Date of opening of Mine	-
17	Date of first Renewal, if applicable and its period & expiry	First renewal was applied on 22.10.1990 for next 10 years
18	Date of second Renewal, if applicable and its period & expiry	Second renewal was applied on 23.10.2000 for next 20 years
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	23.10.2000
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	R. Mukundan Tata Chemicals Limited Bombay House, 24 Homy Modi Street, Mumbai – 400001, Maharashtra
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Rohit Gaur Tata Chemicals Limited P.O.-Ranavav Quarries, Taluka-Ranavav, Dist- Porbandar, Gujarat – 360550 Ph No-+912801230381, Fax No-+912801230320 Email:rgaur@tatachemicals.com
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	NA- (Mine not in operation since 17.12.2009 due IBM notice for suspension of all mining operation vide letter dtd 10.12.2009)
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	NA- (Mine not in operation since 17.12.2009 due IBM notice for suspension of all mining operation vide letter dtd 10.12.2009)
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	NA- (Mine not in operation since 17.12.2009 due IBM notice for suspension of all mining operation vide letter dtd 10.12.2009)

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25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	682(23)(761)/97-MCCM(N)UDP, Dt-8.06.1998
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-201/2003-UDP, 22.7.2003. 682(23)CLP-108/2007-UDAI, 27.7.2007 682(23)MS-422/2008-UDP, 17.7.2008 684(4)(1)/MP-119/18MDRD (U)/GNR, 14.05.2018
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	Mechanised.
30	Captive/Non Captive	Captive

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

SN	Item	Proposals (2022-23)	Actual work	Remarks
1a	Backlog of previous year	Not Proposed	NA	Mine not in operation since 17.12.2009 due IBM notice for suspension of all mining operation vide letter dated 10.12.2009. Mines is coming under BIRDA Wild life Sanctuary and is NW.
1b	Exploration over lease area for Geological axis 1 or 2.	Not Proposed	NA	
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	NA	
1e	Balance reserves as on 01.04.2023	Proved (111)-0.22 (Million Ton) Resources-00	0	
1f	General remarks of inspecting officer on geology, exploration etc.	Mines is coming under BIRDA Wild life Sanctuary and is NW.		

2.0 Development

SN	Item	Proposals(2022-23)	Actual work	Remarks
2a	Location of development w.r.t. lease area	No Proposals	Not Applicable	Nil
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No Proposals	--	Nil
2c	Stripping ratio or ore to OB ratio	No Proposals	--	Nil
2d	Quantity of topsoil generation in m3	No Proposals	--	Nil
2e	Quantity of overburden generation in m3	No Proposals	--	Nil
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Mines is coming under BIRDA Wild life Sanctuary and is NW.		

3.0 Exploitation

SN	Item	Proposals (2022-23)	Actual work	Remarks
3a	Number of pits proposed for production	Not Proposed	Not Applicable	Nil
3b	Quantity of ROM mineral production proposed	Not Proposed	Not Applicable	Nil
3c	Recovery of salable/usable mineral from ROM production	Not Proposed	Not Applicable	Nil

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3d	Quantity of mineral reject generation	Not Proposed	Not Applicable	Nil
3e	Grade of mineral reject generation and threshold value declared	Not Proposed	Not Applicable	Nil
3f	Quantity of sub-grade mineral generation	Not Proposed	Not Applicable	Nil
3g	Grade of sub-grade mineral generation	Not Proposed	Not Applicable	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Not Proposed	Not Applicable	Nil
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not Proposed	Not Applicable	Nil
3j	Provision of drilling & blasting in mineral benches	Not Proposed	Not Applicable	Nil
3k	Provision of mining machineries in mineral benches	Not Proposed	Not Applicable	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not Proposed	Not Applicable	Nil
3m	Total area covered under excavation/pits	36.09 hect.	36.09 hect.	Nil
3n	Ore to OB ratio for the pit/mine during the year	Not Proposed	Not Applicable	Nil
3o	Total area put in use under different heads at the end of year	Pit- 36.09 Waste/reject Others- 6.81	Pit- 36.09 Waste/reject Others- 6.81	Nil
3p	Production of ROM mineral during last five-year period, as applicable	2018-19-100000 tonne 2019-20-100000 tonne 2020-21- 20000 tonne 2021-22- 0 tonne 2022-23- 0 tonne	0 tonne 0 tonne 0 tonne 0 tonne	NIL
3q	General remarks of inspecting officer on method of mining etc.	Mines is coming under BIRDA Wild life Sanctuary and is NW.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2022-23)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	NA, No mines waste, concurrent use of top soil for plantation	NA, No mines waste, concurrent use of top soil for plantation	Nil
4b	Location of topsoil, OB & mineral reject dumps	Not Proposed	Not Applicable	NIL
4c	Number of dumps within lease area and outside lease area	Not Proposed	Not Applicable	NA
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not Proposed	Not Applicable	NIL
4e	Number of active & alive dumps	Not Proposed	Not Applicable	Nil
4f	Number of dead dumps	Not Proposed	Not Applicable	NIL
4g	Number of dumps stabilized	Not Proposed	Not Applicable	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	Not Proposed	Not Applicable	Nil

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4i	Length of Retaining wall or garland drain all along dump	Not Proposed	Not Applicable	Nil
4j	Number of settling ponds	0	0	0
4k	Specific comments of inspecting officer	Mines is coming under BIRDA Wild life Sanctuary and is NW.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2022-23)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not Proposed	Not Applicable	Nil
5b	Area under backfilling of mined out area	Not Proposed	Not Applicable	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not Proposed	Not Applicable	Nil
5d	Total area fully reclaimed & rehabilitated	Not Proposed	Not Applicable	Nil
5e	General remarks of inspecting officer on backfilling, reclamation etc	Mines is coming under BIRDA Wild life Sanctuary and is NW.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2022-23)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 26(2). Details should be given in the format as given in Annexure-20.	No. Due to mine discontinued.	No. Due to mine discontinued	nil
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	No. Due to mine discontinued	No. Due to mine discontinued	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	NA	NA	Nil
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	NA	NA	Nil

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6e	Compliance of Environmental monitoring (core zone & buffer zone)	Core Zone with in limit – Ambient Air Quality, Surface water Quality, Ground water quality, Noise level, Noise vibration are with in limit	Core Zone with in limit – Ambient Air Quality, Surface water Quality, Ground water quality, Noise level, Noise vibration are with in limit	Nil
6f	General remarks of inspecting officer on PMCP compliance & progressive	Mines is coming under BIRDA Wild life Sanctuary and is NW.		

7.0 Mineral Conservation

SN	Item	Proposals (2022-23)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	0	16831.200 Tonne	NIL
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	NIL
7c	Different grade of mineral sorted out at mines	Chemical Grade – 0 +50 mm to – 100MM) Cement Grade – 0-50mm fines	Chemical Grade – 0 +50 mm to – 100MM) Cement Grade – 0 - 50mm fines	NIL
7d	Any beneficiation process at mines	Not Proposed	Not Applicable	NIL
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Mines is coming under BIRDA Wild life Sanctuary and is NW.		

8.0 Environment

SN	Item	Proposals (2022-23)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Na	Concurrent use for plantation	NIL
8b	Concurrent use or storage of topsoil	Not Proposed	Not Applicable	NIL
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not Proposed	Not Applicable	NIL
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	Not Applicable	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Not Applicable	NIL
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Not Proposed	Not Applicable	NIL
8g	Survival rate	Not Proposed	Not Applicable	NIL
8h	Water sprinkling on roads to control airborne dust	Not Proposed	Not Applicable	NIL

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8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Mines is coming under BIRDA Wild life Sanctuary and is NW.
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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 - 06.12.2023 A.R. submitted (22-23) up to till date- 20.6.2023		NIL
S. N.	Item	Details GIVEN in A.R.(2022-23)	Observation of I/ Officer /Actual reported in Returns	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	NA	NA	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	details as per given in AR	Pit- 36.09 Waste/reject Others- 6.81	NIL
9d	Scrutiny of Annual return on afforestation		NA	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)		NA	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore		Cement.- O/S-17080 & C/S- 248.8 t	NIL
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost		Ex. Mine price-172.2 Rs. /T (Cement) ,Captive used	NIL
9i	Scrutiny of Annual return on fixed assets		As per given in AR	NIL
9k	Scrutiny of Annual return on mining machineries		NA	NIL

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - Mines is coming under BIRDA Wild life Sanctuary and is NW, No significant violations observed.

Naman Ekka
SMG