

## MCDR INSPECTION REPORT

### 1.0 GENERAL

SN	Particulars	Details
1(a)	Name of the Mine	Adityana-“D” Limestone Mine (12.62Ha)
1(b)	Name of Inspecting officer & Designation	G. Ram Sr.Assistant Controller of Mines
1(c)	Accomp.official	C.M.Dwedi & Technical Person-Deepak Gour
1(d)	Date & Type of Inspection	13.8.2017 AN & RMP
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease Area: 12.62 Hect, Sy.No.-5/6/P Non-Forest land:
3	Mine code	38GUJ08124
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/437/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Tata Chemicals Ltd, Bombay House 24, Homi Mody Street, Fort Mumbai, Mumbai, State- Maharashtra -400 001, Phone +91 22 66658- 282/143/144,Fax 022 66058143, <u>Mines Office:</u> P.O Mithapur – 361345 ,Taluka – Okhamandal Dist. Devbhumi Dwarka , State-Gujarat -362 715
6	Village	Ishwaria
7	Taluka/Mandal	Kutiyana
8	District	Porbandar
9	Pin code	360575
10	State	Gujarat
11	Post office	Kutiyana
12	Nearest police station	Kutiyana
13	Nearest Railway station	Porbandar
14	Date of Grant of Mining Lease	02.1.1967
15	Date of Execution	ML was first renewed for the period of 20 Years WEF 05.6.1967 to 04.6.1987.
16	Date of opening of Mine	01.8.79
17	Date of first Renewal, if app.	22.11.2004 based upon the high court direction.
18	Date of second Renewal, if applicable and its period & expiry	28/4/2006 As per Sec 8A(5) of MMDR Amendment Act,2015,2030 as captive mine lease.
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	Shri R.Mukandan, Nominated owner & C.E.O Tata Chemicals Limited, Bombay House, 24, Homi Mody Street, Fort, Mumbai, Maharashtra- 400 001 Phone' +91 22 66658-282/143/144
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri S Bhakta, Ranavav Quarries, P.O.-Ranavav, Taluka- Ranavav, Dist- Porbandar, Gujarat-360 550. Phone' +91 28012360381, Fax' 2360320
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.	NO

25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Date of Approval of mining Plan: 682(23)(372)/2005-MCCM(N)/UDP, Dated-01.4.2005
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Mine workings were discontinued w.e.f. about 1990 onward to till date due to Statutory ESZ clearances.
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanized, Others or Manual)	A
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)	Actual work	Remarks
1a	Backlog of previous year	Not proposed	--NIL--	Mine workings were discontinued w.e.f. about 1990 onward to till date due to Statutory ESZ/EC clearances.
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	--NIL--	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not proposed	--NIL--	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	--NIL--	
1e	Balance reserves as on 01.04.2017	1.18284 MT (111) & 221(OT) Limestone reserves as on 01.4.17 after depletion of production achieved.		
1f	General remarks of inspecting officer on geology, exploration etc.	Violation for non-compliance of Rule 11(4) of MCDR, 2017 was issued on 19.6.2017 by this office.		

### **2.0 Development**

SN	Item	Proposals (2016-17)	Actual work	Remarks
2a	Location of development w.r.t. lease area	NO Proposed	NIL	Mine workings were discontinued w.e.f. about 1990 onward to till date due to Statutory ESZ/EC clearances.
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	-do-	NIL	
2c	Stripping ratio or ore to OB ratio	-do-	NIL	
2d	Quantity of topsoil generation in m3	NO Proposal	NIL	
2e	Quantity of overburden generation in m3	-do-	NIL	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Violation for non-compliance of Rule 11(4) of MCDR, 2017 was issued on 19.6.2017 by this office.		

### **3.0 Exploitation**

SN	Item	Proposals (2016-17)	Actual work	Remarks
3a	Number of pits proposed for production	Not Proposed	NIL	Mine workings were discontinued w.e.f. about 1990 onward to till date due to Statutory
3b	Quantity of ROM mineral production proposed	-do-	NIL	
3c	Recovery of salable/usable mineral from ROM production	-do-	NA	

3d	Quantity of mineral reject generation	Not proposed	NIL	ESZ/EC clearances.
3e	Grade of mineral reject generation and threshold value declared	-do-	NIL	
3f	Quantity of sub-grade mineral generation	-do-	NA	
3g	Grade of sub-grade mineral generation	-do-	NIL	
3h	Manual / Mechanized method adopted for segregating from ROM	-do-	NIL	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	-do-	NIL	
3j	Provision of drilling & blasting in mineral benches	-do-	NIL	
3k	Provision of mining machineries in mineral benches	-do-	NIL	

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not proposed	NIL	Mine workings were discontinued w.e.f. about 1990 onward to till date due to Statutory ESZ/EC clearances.
3m	Total area covered under excavation/pits	-do-	About 6.3Ha of irregular depth of 8 No. of pits (Cumulative)	
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	Not proposed	Area under mining total- 6.3Ha, Road- 0.25Ha,	
3p	Production of ROM mineral during last five-year period, as applicable	2012-13-NIL 2013-14-NIL 2014-15-NIL 2015-16-NIL 2016-17-NIL	2012-13-NIL 2013-14-NIL 2014-15-NIL 2015-16-NIL 2016-17-NIL	
3q	General remarks of inspecting officer on method of mining etc.	Violation for non-compliance of Rule 11(4) of MCDR, 2017 was issued on 19.6.2017 by this office.		

#### 4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2016-17)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	No Proposal	NIL	Mine workings were discontinued w.e.f. about 1990 onward to till date due to Statutory ESZ/EC clearances.
4b	Location of topsoil, OB & mineral reject dumps			
4c	Number of dumps within lease area and outside lease area			
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	-do-		
4e	Number of active & alive dumps			
4f	Number of dead dumps			
4g	Number of dumps stabilised	-do-		-
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	Violation for non-compliance of Rule 11(4) of MCDR, 2017 was issued on 19.6.2017 by this office.		

### 5.0 Solid Waste Management-Backfilling

SN	Item	Proposals(2016-17)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal	NIL	NIL
5b	Area under backfilling of mined out area		NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area		NIL	
5d	Total area fully reclaimed & rehabilitated		NIL	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Violation for non-compliance of Rule 11(4) of MCDR, 2017 was issued on 19.6.2017 by this office.		

### 6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2016-17)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2).	Not submitted.	NIL	Mine workings were discontinued w.e.f. about 1990 onward to till date due to Statutory ESZ/EC clearances.
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	Not Proposed -do- -do-	NIL NIL 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	-do-	NIL	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	-do-	NIL	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	-do-	NIL	
6f	General remarks of inspecting officer on PMCP compliance & progressive	Violation for non-compliance of Rule 11(4) of MCDR, 2017 was issued on 19.6.2017 by this office.		

### 7.0 Mineral Conservation

SN	Item	Proposals (2016-17)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No Proposal	NIL	Mine workings were discontinued w.e.f. about 1990 onward to till date due to Statutory ESZ/EC clearances.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	-do-	NIL	
7c	Different grade of mineral sorted out at mines	-do-	NIL	
7d	Any beneficiation process at mines	-do-	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Violation for non-compliance of Rule 11(4) of MCDR, 2017 was issued on 19.6.2017 by this office.		

## 8.0 Environment

SN	Item	Proposals (2016-17)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not Proposed	NIL	Mine workings were discontinued w.e.f. about 1990 onward to till date due to Statutory ESZ/EC clearances.
8b	Concurrent use or storage of topsoil	-do-	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	-do-	NIL	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	-do-	NIL	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	-do-	NIL	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	-do-	NIL	
8g	Survival rate	-do-	NIL	
8h	Water sprinkling on roads to control airborne dust	-do-	NIL	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Violation for non-compliance of Rule 11(4) of MCDR, 2017 was issued on 19.6.2017 by this office.		

## 9.0 Compliance of Rule 45

SN.	Item	COMMENTS		Remarks
	Status of submission of Online Monthly and Annual returns	M.R. Submitted up to till date –June-2017 A.R. submitted up to till date-2016-17.		Mine workings were discontinued w.e.f. about 1990 onward to till date due to Statutory ESZ/EC clearances.
S.N	Item	Party has been submitted the Online NIL return on 22.6.2017 for 2016-17.	Observation of I/Officer /Actual reported in Returns	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager			
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NIL	--	
9d	Scrutiny of Annual return on afforestation	NIL	--	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	NIL	--	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL	--	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	NIL	--	
9i	Scrutiny of Annual return on fixed assets	NA	--	
9k	Scrutiny of Annual return on mining machineries	NIL	----	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out: - *Mine workings were discontinued w.e.f. about 1990 onwards to till due to Statutory ESZ clearances. Violation for non-compliance of Rule 11(4) of MCDR, 2017 was issued on 19.6.2017 by this office.*