

## MCDR REPORT

**1.0 GENERAL**

SN	Particulars	Details
1 (a)	Name of the Mine	Dhamanva Gabha Limestone Mine
1(b)	Name of Inspecting Officer & Designation	Sri Mohammad Nimar, Dy. Controller of Mines, IBM, Gandhinagar
1(c)	Accompanying Mines Representatives	Sri Rajesh Tiwai
1d)	Type of Inspection	Star Rating,MCDR
1e)	Date of Inspection	19.09.2024
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease Area : 60.7120 ha. Non-Forest land : 60.7120 ha. Forest Land : 00 ha.
3	Minecode	38GUJ08042
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/5292/2011
5	Name of the lessee, Address, phone, email and fax number	M/s. GHCL LIMITED, At & Post :- Sutrapada, Dist.:- Gir-Somnath-362265, Gujarat. Phone:- 02876305564/305377, E-Mail:- <a href="mailto:mining@ghcl.co.in">mining@ghcl.co.in</a> , <a href="mailto:r Chopra@ghcl.co.in">r Chopra@ghcl.co.in</a> , Fax:- 02876263480
6	Village	Dhamanva & Gabha
7	Taluka/Mandal	Talala
8	District	Gir-Somnath
9	Pincode	362150
10	State	Gujarat
11	Post office	Dhamanva
12	Nearest police station	Talala Police station
13	Nearest Railway station	Veraval Railway station
14	Date of Grant of Mining Lease	27/10/1986 Valid up to 08-02-2037
15	Date of Execution	Dhamanva-09/02/1987, Gabha-22/06/1987.
16	Date of opening of Mine	01/01/1988

17	Date of first Renewal, if applicable and its period & expiry	30/01/2006, 15/05/2006
18	Date of second Renewal, if applicable and its period & expiry	No renewal
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	30/01/2006, 15/05/2006 Valid up to 08-02-2037
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. Raman Chopra, M/s GHCL Ltd, Corporate Office: B-38, institutional area, sector-1, Noida – 201301, (U.P.)
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. Manish Kumar, M/s GHCL Ltd, At & Post – Sutrapada, Dist.:- Gir-Somnath Pin- 362275 (Gujarat), Ph. No. 9328849666, Date of Appointment:-01/02/2014
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Rajesh Tiwari  M/s GHCL Ltd, At & Post – Sutrapada, Dist.:- Gir-Somnath Pin- 362275 (Gujarat), Ph. No. 9099093080  Date of appointment:- 22/01/2013
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. Rajesh Tiwari  M/s GHCL Ltd, At & Post – Sutrapada, Dist.:- Gir-Somnath Pin- 362275 (Gujarat), Ph. No. 9099093080  Qualification :- B.E. mining  Total Experience :- 19 Years  Email :- <a href="mailto:rajeshtiwari@ghcl.co.in">rajeshtiwari@ghcl.co.in</a>  Date of appointment:- 22/01/2013
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes.
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 Review of Mining Plan:- 08.02.2022  Period of Mining Plan:- 2022-23 to 2026-27
26	Date of Approval of Scheme of	Date of Approval of mining Scheme:-

	Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	20/02/2013 Period of Mining Scheme:- 2013-14 to 2016-17
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)	A(Fully Mecchanised )
30	Captive/Non Captive	CAPTIVE

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

### 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- 60.7120 ha. ( Total Lease Area)	Total lease area is explored in 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 01.04.2024	18,16,241.00	18,84,780.00	--
1f	General remarks of inspecting officer on geology, exploration etc.	Reserve balance is more as proposed production could not be achieved. Total lease area is explored in G1		

### 2.0 Development

SN	Item	Proposals (2023-24)	Actual work	Remarks
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			(2023-24)	
2a	Location of development w.r.t. lease area	GP1, GP2, GP3, GP4, GP5 & GP6 at Second bench	N20.9967386, E70.5040235 & N20.9955379, E70.5036412	--
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.	Area used for development is less than that of proposed area as production is less than that of proposed production		

### **3.0 Exploitation**

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
3a	Number of pits proposed for production	Pit- GP5, GP4, GP3, GP2, GP1, GP6 & GP7	N20.9985663, E70.5070589 & N20.9984991, E70.5048246	-
3b	Quantity of ROM mineral production proposed	100029	70620	-
3c	Recovery of salable/usable mineral from ROM production	94027	66635.520	
3d	Quantity of mineral reject generation	6002	3984.480	--
3e	Grade of mineral reject generation and threshold value declared	Undersize Limestone < 30mm	Undersize Limestone < 30mm	--
3f	Quantity of sub-grade	Not proposed	Not Applicable	--

	mineral generation			
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 and 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	AIR COMPRESSOR TRUCK 12.500 TONNE 10 TRUCK 20.000 BACK HOE 0.900 CUM 3 FRONT END LOADER 3.500 CUM JEEP/TRACTOR	AIR COMPRESSOR TRUCK 12.500 TONNE 10 TRUCK 20.000 BACK HOE 0.900 CUM 3 FRONT END LOADER 3.500 CUM JEEP/TRACTOR	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	--
3m	Total area covered under excavation/pits	36.31Ha	36.065Ha	-
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-36.31Ha. Infra+Roads- 2.50 Ha Others,Plantation- 4.25Ha	Mining-36.06 Ha. Infra+Roads- 2.50 Ha Others,Plantation- 4.25 Ha	

3p	Production of ROM mineral during last five-year period, as applicable	Yr- 2019-20 :- 112113 Yr- 2020-21:- 111314 Yr- 2021-22:- 113904 Yr- 2022-23:- 100101 Yr-2023-24:- 100029	Yr- 2019-20:- 96910 Yr-2020-21 ;- 97295 Yr-2021-22 ;- 96421 Yr- 2022-23:- 60973 Yr-2023-24:- 70620	
3q	General remarks of inspecting officer on method of mining etc.	Mining is being carried out with help of Rock breaker, Front end loader and tipper combination. Manual method is being practiced for sorting.		

#### **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)	Not proposed	Not Applicable	-
4b	Location of topsoil, OB & mineral reject dumps	Not proposed	Not Applicable	-
4c	Number of dumps within lease area and outside lease area	Not proposed	Not Applicable	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not proposed	Not Applicable	-
4e	Number of active & alive dumps	Not proposed	Not Applicable	-
4f	Number of dead dumps	Not proposed	Not Applicable	-
4g	Number of dumps stabilised	Not proposed	Not Applicable	-
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed	Not Applicable	-
4i	Length of Retaining wall or garland drain all along dump	Not proposed	Not Applicable	-
4j	Number of settling ponds	Not proposed	Not Applicable	-

4k	Specific comments of inspecting officer	No Work proposed towards solid waste management		

### **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	Not proposed	Not Applicable	--
5b	Area under backfilling of mined out area	Not proposed	Not Applicable	--
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	Not Applicable	--
5d	Total area fully reclaimed & rehabilitated	NP	16.913Ha	-
5e	General remarks of inspecting officer on backfilling, reclamation etc	No Work proposed towards solid waste management.		

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

SN	Item	Proposals (2023-24)	Actual work (2023-24)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E(2).	Yes	Submitted on 27-06-2024	--
6b	Management of worked/mined out benches  i) Area available for rehabilitation (ha) ,Water Reservoir  ii) Afforestation done (ha)	0.00	0.00	

	<p>iii) No. of saplings planted during the year</p> <p>iv) Cumulative no. of plants</p> <p>v) Any other specific method of rehabilitation</p> <p>vi) Cost incurred on watch &amp; care during the year</p>	<p>0.25 Ha</p> <p>250 saplings</p> <p>Not proposed</p> <p>30000/-</p>	<p>0.25 Ha</p> <p>390 saplings</p> <p>Not Applicable</p> <p>35000/-</p>	
6c	<p>Compliance on reclamation and rehabilitation by backfilling</p> <p>i) Voids available for backfilling (L X B X D)</p> <p>ii) Void filled by waste/tailings</p> <p>iii) Afforestation on the backfilled area</p> <p>iv) Rehabilitation by making water reservoir</p> <p>v) Any other specific means</p>	Not proposed	Not Applicable	--
6d	<p>Compliance of Rehabilitation of waste land within lease</p> <p>i) Afforestation</p> <p>ii) Area rehabilitated (ha)</p> <p>iii) Method of rehabilitation</p>	Not proposed	Not Applicable	--
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	Through outside agency
6f	General remarks of	PMCP works are done as per proposal and		



	inspecting officer on PMCP compliance & progressive	Environmental monitoring reports are under statutory norms.
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### **7.0 Mineral Conservation**

SN	Item	Proposals (2023-24)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Production and dispatch – 100029 MT	Production - 70620 MT and dispatch – 66635.520 MT	--
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Chemical Grade and U.S limestone	Chemical Grade and U.S limestone	
7d	Any beneficiation process at mines	Not proposed	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Chemical grade lime stone is being used for captive consumption and generated mineral rejects will be sold for cement industries.		

### **8.0 Environment**

SN	Item	Proposals (2023-24)		Actual work (2023-24)		Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	Not Applicable	Not proposed	Not Applicable	--
8b	Concurrent use or storage of topsoil	Not proposed	Not Applicable	Not proposed	Not Applicable	--
8c	Separate dumps for	Not	Not	Not	Not	-

	overburden, waste rock, rejects and fines (Rule 33)	proposed	Applicable	proposed	Applicable	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Not Applicable	Not proposed	Not Applicable	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	Not Applicable	Not proposed	Not Applicable	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	EXISTENCE OF PLANTS:993 Additional:250 per year		Existence:993 Planted:390		--
8g	Survival rate	60%		62%		--
8h	Water sprinkling on roads to control airborne dust	Water sprinkling through tanker.		Water sprinkling through tanker.		--
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	Work done is satisfactory. Mine is surrounded by nearby villages with green vegetation.				

### 9.0 Compliance of Rule 45

S. N.	Item	COMMENTS		Remarks
	Status of submission of Online Monthly and Annual returns	Monthly Return up to October 2024 Submitted within stipulated time. A.R. submitted on 27-06-2024		--
S. N.	Item	Details GIVEN in A.R	Observation of I/Officer /Actual reported in Returns	Remarks

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	ME-Mr. Rajesh Tiwari Geo- Vimal Kubavat	ME-Mr. Rajesh Tiwari Geo- Vimal Kubavat	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	(i) exploited opencast (O-C) mining 8.440 (ii) current (O-C) Workings 10.712 (iii) Reclaimed-rehabilitated 16.913 (iv) Occupied by plant, buildings, residential, welfare buildings and roads 2.500 PLANTATION 4.250 (vii) Work PMCP during the year 0.300	i) exploited opencast (O-C) mining 8.440 (ii) current (O-C) Workings 10.712 (iii) Reclaimed-rehabilitated 16.913 (iv) Occupied by plant, buildings, residential, welfare buildings and roads 2.500 PLANTATION 4.250 (vii) Work PMCP during the year 0.300	
9d	Scrutiny of Annual return on afforestation	390	Proposed 200	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	3984.48	Proposed 6002	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	23906.	23906.	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	592.71	592.71	
9i	Scrutiny of Annual return on fixed assets	₹ 1200000	₹ 1200000	
9k	Scrutiny of Annual return on mining machineries	AIR COMPRESSOR TRUCK 12.500	AIR COMPRESSOR	

		TONNE 10 TRUCK 20.000 BACK HOE 0.900 CUM 3 FRONT END LOADER 3.500 CUM JEEP/TRACTOR	TRUCK 12.500 TONNE 10 TRUCK 20.000 BACK HOE 0.900 CUM 3 FRONT END LOADER 3.500 CUM JEEP/TRACTOR	
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10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:- No violations were pointed out in the year 2022-23.

- 1) This year violation under Rules 11(1), observed. Violation letter is being issued.
- 2) Drone data of the mine has been checked and found that it is not as per SOP hence Referred back on DDMS portal.