

MCDR INSPECTION REPORT

Inspecting officer: Dr. N K Mathur, AMG, Gandhinagar

Inspection date: 09.03.2019, Type of Inspection: Star rating/MCDR

1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	Dhamanva Gabha Limestone Mine
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.
3	Mine code	38GUJ08042, 38GUJ08162
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:- mining@ghcl.co.in , r Chopra@ghcl.co.in , Fax:- 02876263480
6	Village	Dhamanva and 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
15	Date of Execution	09/02/1987, 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	30/01/2006, 15/05/2006

	application if Mining Operations are continuing under deemed extension	
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 :- 14 Years Email :- rajeshtiwari@ghcl.co.in 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.	Geologist :- Mr. R.K.Pathak
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:- 18/04/2017 Period of Mining Plan:- 2017-18 to 2020-21
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Date of Approval of mining Scheme:- 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(OFM)
30	Captive/Non Captive	CAPTIVE

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

Exploration

SN	Item	Proposals (2017-18)	Actual work	Remarks
1a	Backlog of previous year	Not proposed	Nil	--
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	Nil	Mine is fully explored.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not applicable	Nil	--
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposal	--	--
1e	Balance reserves as on 01.04.2018 (In tonnes)	(111)-1512600	(111) 1536870	--
1f	General remarks of inspecting officer on geology, exploration etc.	Nil		

2.0 Development

SN	Item	Proposals (2017-18)	Actual work	Remarks
2a	Location of development w.r.t. lease area	5 benches at 57 to 65 mRL in Pit no. DP-1, DP-4, GP-5, GP-3, GP-1	5 benches at 57 to 65 mRL in Pit no. DP-1, DP-4, GP-5, GP-3, GP-1	--
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	No separate benches	Area is devoid of OB	-
2c	Stripping ratio or ore to OB ratio	--	--	--
2d	Quantity of topsoil generation in m3	No Proposal	NIL	-
2e	Quantity of overburden generation in m3	No Proposal	NIL	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Nil		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remark
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		(2017-18)		s
3a	Number of pits proposed for production	7	7	-
3b	Quantity of ROM mineral production proposed	113340 MT	94970 MT	-
3c	Recovery of salable/usable mineral from ROM production	100873 MT	88722.750 MT	
3d	Quantity of mineral reject generation	Not proposed	NIL	--
3e	Grade of mineral reject generation and threshold value declared	Undersize limestone	Undersize limestone	--
3f	Quantity of sub-grade mineral generation (Tonnes)	6801	6247.25	--
3g	Grade of sub-grade mineral generation	NP	NIL	--
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed	Nil	--
3j	Provision of drilling & blasting in mineral benches	Drilling and Blasting by Jack Hammer of 32mm dia.	Not required.	--
3k	Provision of mining machineries in mineral benches	ROCK BREAKER	ROCK BREAKER	
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	30.8425 Ha	30.8425 hA	-
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 (Hect.)	Mining-30.8425 ha. Roads- 2.930 Others- 2.350	Mining-30.8425 Ha. Roads- 2.930 Others- 2.350	
3p	Production of ROM mineral during last five-year period, as applicable	2013-14-111970 2014-15-111883	2013-14-90400 2014-15-82275	

	(in Tonnes)	2015-16-111817 2016-17-111358 2017-18-113340	2015-16-110850 2016-17-108000 2017-18-94970	
3q	General remarks of inspecting officer on method of mining etc.	Nil		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2017-18)	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Not proposed	Nil	-
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)			-
4e	Number of active & alive dumps			-
4f	Number of dead dumps			-
4g	Number of dumps stabilised			-
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			Nil

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2017-18)	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Fully mined out	Fully mined out	--
5b	Area under backfilling of mined out area	NIL	NIL	--
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	NIL	--

5d	Total area fully reclaimed & rehabilitated	Not proposed	2.300	-
5e	General remarks of inspecting officer on backfilling, reclamation etc.	Violation under provision of rules 26(2), 33 & 45(5) (c) pointed out on dt. 01.04.2019 for rectification.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals (2017-18)	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E (2). Details should be given in the format as given in Annexure-20.	Wire fence+ post plantation care.	Annual return for the PMCP is submitted within stipulated time.	Not submitted. Violation point out.
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 2.930 Ha 250 saplings Not proposed Not proposed	NIL 2.930 Ha 300 Saplings 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	Not proposed	NIL	--

6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Not proposed	NIL	--
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Yes	Yes	Through comet consultancy, Rajkot.
6f	General remarks of inspecting officer on PMCP compliance & progressive	Nil		

7.0 Mineral Conservation

SN	Item	Proposals (2017-18)	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	-	Size & grade as per plant requirement.	--
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual	Manual	
7c	Different grade of mineral sorted out at mines	Not proposed	Chemical Grade and Cement Grade	
7d	Any beneficiation process at mines	Not proposed	NIL	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Nil		

8.0 Environment

SN	Item	Proposals (2017-18)	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	NIL	--
8b	Concurrent use or storage of	Not proposed	NIL	--

	topsoil			
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed	NIL	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	NIL	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc.)	Not proposed	NIL	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Existence of Plants: 423 Additional:250 per year	Existence:423 Planted: 300	--
8g	Survival rate	--	78%	--
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	Nil		

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 –Feb-2019 A.R. submitted up to till date-2017-18.	-- --

S. N.	Item	Details given in A.R.(2017-18)	Observation of I/Officer /Actual reported in Returns	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mr. Rajesh Tiwari as Manager & as Mining Engineer,	Check & found in order.	During the inspection it was advised to

		Mr. R K Pathak as Geologist.		mine representative to submit the AR & MR correctly in all respect per the guidelines in future.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Details given	Mining-30.8425 Ha. Roads- 2.930 Others- 2.350	
9d	Scrutiny of Annual return on afforestation	Details given	2.930 Ha	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Details given	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Details given	94970	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Details given	Chemical grade limestone Ex-mine price Rs. 525.35, Cost per tonne Rs. 525.35	
9i	Scrutiny of Annual return on fixed assets	Details given	Fixed Assets value-Rs. 974232860/	
9k	Scrutiny of Annual return on mining machineries	Details given	Rock Breaker Air compressor (121.212 M ³) ⁻¹	

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

Violation under provision of rules 26(2), 33 & 45(5) (c) pointed out on dt. 01.04.2019 for rectification. Validate point 81% against 83% point score.

Place Gandhinagarr

Name: Dr N. K. Mathur

Signature

Date 22-04-2019

Designation: AMG