

MCDR INSPECTION INFORMATION SHEET

1.0 GENERAL

SN	Particulars	Details
1	Name of the Mine	Vastan Limestone Mine
1(a)	Name of Inspecting Officer and Designation	Sh. Pushpender Gaur, RCOM, IBM GNR
1(b)	Date of Inspection	10-12-2022
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	80 Hectare, Non -forest land.
3	Mine code	38GUJ15001
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/502/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Gujarat Industries Power company Limited, GIPCL, Office, PO - Ranoli, 391350. Dist - Vadodara. Gujarat.
	The Mine Address	Vastan Limestone Mine
6	Village	Vastan
7	Taluka/Mandal	Mangrol
8	District	Surat
9	Pin code	394110
10	State	Gujarat
11	Post office	GIPCL, Nani Naroli
12	Nearest police station	Mosali
13	Nearest Railway station	Kim
14	Date of Grant of Mining Lease	Date of approval of Lignite Mining Lease on 04/07/1996 and inclusion of Limestone lease on 7/12/1998
15	Date of Execution	15/10/1999
16	Date of opening of Mine	15/10/1999
17	Approved Mining Plan till Date, if applicable and its period & expiry	(A) Mining Plan was approved by the Controller of Mines, IBM, Ajmer vide order no. 682(23) (378)/2005-UDP. dt. 28/4/2005 for period 2004-05 to 2008-09 (B) Mining Plan was approved by RCoM, IBM, Udaipur vide order no. 682(23) MS-547/09 MCCR (U) UDR dated 04/01/2011 for 2009-10 to 2013-14 (C) Mining Plan of five-year block period was approved by RCoM, IBM, Udaipur vide letter No. 682(23) (MS-547)/2009-MCCM (N) Udp dtd. 20.04.2015 with the mining proposal for 2015-16 & 2016-17 (D) Mining Plan with Review of Progressive Closure Plan was approved for a period of five (5) years from 2017-18 to 2021-22 on dated 22/11/2016. And Modification of Mine Plan from 2017-18 to 2021-22 was approved on 06/12/2017, Vide letter no - 684(4)(1)/MP-73/2017- GNR. (E) Mining Plan with Review of Progressive Closure Plan was approved for a period of five (5) years from 2022-23 to 2026-27 on dated 17/12/2021, vide File No:684(4)(1)/MP-362(73)/2021-22 GNR.
18	Date of second Renewal, if applicable and its period & expiry	Date of second Renewal – Modification of Mine Plan was approved on 06/12/2017, Vide letter no - 684(4)(1)/MP-73/2017- GNR from 2017-18 to 2021-22 and expired on 31.03.2022.
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	Mrs Vastsala Vasudeva (IAS), Address: Gujarat Industries power Company Ltd, GIPCL, Office, PO - Ranoli, 391350. Dist - Vadodara. Gujarat. Phone: 0265 2230182,

		Email: md@gipcl.com Date of appointment: 20/08/2018
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr Prakash Chand, Address: Gujarat Industries power Company Ltd, SLPP, Nani Naroli, Tal -Mangrol, Dist.-Surat, Gujarat. 394110 Phone: 9978937702 Email: cgmminesoffice@gipcl.com Date of appointment: 06/05/2010
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr N K Chauhan, Address: Gujarat Industries power Company Ltd, SLPP, Nani Naroli, Tal -Mangrol, Dist.-Surat, Gujarat. 394110 Phone: 9909925341 Email: nkchauhan@gipcl.com Date of appointment: 12/02/2018
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr M R Choudhary, Qualification AMIE (Mining), Experience-24 years, Address: Gujarat Industries power Company Ltd, SLPP, Nani Naroli, Tal -Mangrol, Dist.-Surat, Gujarat. 394110 Phone: 9099045784, Email: mrchoudhary@gipcl.com , Date of appointment in the mine: 02/01/2017
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
25	Mineral(s) granted in lease and proved for mining	Limestone
26	Method of Mining (Opencast, Underground)	opencast
27	Category (Fully Mechanised, Others or Manual)	Fully Mechanised
28	Captive/Non-Captive	Captive

Scientific Mining:

Compliance of proposals of approved mining plan/scheme of mining. –**Exploration**

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
1a	Backlog of previous year	Nil	Nil	As per approved mining plan / scheme the exploration 34Nos and 42 Nos of Holes proposed for year 2018-19 and 2019-20 respectively. Accordingly, explorations have been completed from 23/10/2019 to 02/02/2020. Total 80 Nos of Bore holes were carried out and Total Meterage: 3700 Meter
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserves in Ton as on 31.03.2022...	7596520	1716745 1.87 Mte(111) 1.94 Mte (221)	After exploration 2019-20 revised balance reserved has been calculated on 1/11/2021 and balance Proved Mineral Reserve (A) (under code – 111) reduced from 7596520 ton to 1872740 ton

1f	General remarks of inspecting officer on geology, exploration etc.	No Any
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2.0 Development

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
2a	Location of development w.r.t. lease area	Pit 1&2 5543E to 5810 E & 8044 N to 8205 N.	Pit 1&2 5543E to 5810 E & 8044 N to 8205 N.	Total area put to use during the running year 2021-22 was 2.5395 Ha w.r.t. lease area
		Pit-3 5157E to 5521 E&7419N to 7862 N.	Pit-3 5157E to 5521 E&7419N to 7862 N.	
		New South side. 4886E to 5200E &6909N to 7466N	New South side. 4886E to 5200E &6909N to 7466N	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)		Maintained H-3m by W-3m	
2c	Stripping ratio or ore to OB ratio	1:2.31	1:1.38	
2d	Quantity of topsoil generation in m3	12609	20352	
2e	Quantity of overburden generation in m3	8,15,236	3,61,548	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.			

3.0 Exploitation

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
3a	Number of pits proposed for production	1,2,3 & 4 (New Development South Side)	2,3	
3b	Quantity of ROM mineral production proposed (in Ton)	424316	277051	
3c	Recovery of saleable/unsaleable mineral from ROM production		--	
3d	Quantity of mineral reject generation		--	
3e	Grade of mineral reject generation and threshold value declared		NA	
3f	Quantity of sub-grade mineral generation		--	
3g	Grade of sub-grade mineral generation		--	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NA	NA	
3j	Provision of drilling & blasting in mineral benches	NA	NA	
3k	Provision of mining machineries in mineral benches	YES	YES	Excavators & Dumpers combination
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	4.023 Ha	2.5395 Ha	Total area put to use during the year 2021-22 was 2.5395 Ha.
3n	Ore to OB ratio for the pit/mine during the year	1:2.31	1:1.38	
3o	Total area put in use under different heads at the end of year	51.6416	37.0666	Total area put to use under different heads

				in year 2021-22 was 5.6418 Ha.
3p	Production of ROM mineral during last five-year period, as applicable	Yr(2017-18) - 421587.5 Yr(2018-19) - 422874 Yr(2019-20) - 424739 Yr(2020-21) - 422153 Yr(2021-22) - 424316	Yr(2017-18) - 373380 Yr(2018-19) - 327233 Yr(2019-20) - 361452 Yr(2020-21) - 350911 Yr(2021-22) - 277051	
3q	General remarks of inspecting officer on method of mining etc.			

4.0 Solid Waste Management-Dumping

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	NA	NA	
4b	Location of topsoil, OB & mineral reject dumps	NA	NA	
4c	Number of dumps within lease area and outside lease area	NA	NA	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NA	NA	
4e	Number of active & alive dumps	NA	NA	
4f	Number of dead dumps	NA	NA	
4g	Number of dumps stabilised	NA	NA	
4h	Whether Retaining wall or garland drain all along dumps are there	NA	NA	
4i	Length of Retaining wall or garland drain all along dump	NA	NA	
4j	Number of settling ponds	NA	NA	
4k	Specific comments of inspecting officer	NA		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	17.24	11.56	Backfilling is carried out in exhausted pit No. 1 & 2
5b	Area under backfilling of mined out area	3.31	1.66	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	NA	--	Top soil generated is being used for spreading on backfilled area for plantation.
5d	Total area fully reclaimed & rehabilitated	NA	NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc	NA		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals	Actual work	Remarks
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		(2021-22)	(2021-22)	
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.	Item no8.3of approved Mining Scheme with Review of Progressive Closure Plan period of five (5) years from 2017-18 to 2021-22 on dated 22/11/2016	Yes, for FY 2021-22 Report submitted vide letter no. SLPP/ Mines/Vastan Limestone/ 2022/ 1907, Dated: 27/06/2022 as per Mine Plan	
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	Nil	Nil	No plantation proposed over benches during this plan period because mining will not reach ultimate pit depth.
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	i) NIL ii) 3.31 iii) 0.6 Ha (600 Nos of saplings) iv) NIL v) NIL	i) NIL ii) 1.66 iii) 1.28 Ha (1630 Nos of saplings) iv) NIL v) NIL	Sapling survived 1630 out of 1800no's of sapling planted
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i) NIL ii) 0.4Ha iii) 400 Nos	i) NIL ii) 0.5Ha iii) 431Nos	Saplings survived 431 nos out of 500 saplings planted.
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Environmental monitoring shall be carried out.	Compliance of Environmental monitoring (Core zone and buffer zone) is being carried out.	Eco-systems resource management pvt. ltd. is carrying out environmental management work.
6f	Other (specify) : Fencing	155 m	Complied	In view of annual proposal of Fencing @155mx5=775m, hence total 1300m of fencing work has been done in 2017-18
6g	General remarks of inspecting officer on PMCP compliance & progressive	Found Satisfactory.		

7.0 Mineral Conservation

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NA	NA	ROM Mineral is not being dispatched or grade-wise sorting is not being done within lease area. Sized mineral is being dispatched, only after crushing / sizing of ROM below 150 mm.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical Crushing	Mechanical Crushing	Only ROM Mechanical crushing is done for sizing Crushing O/S ML area, WB after crushing at power plant.
7c	Different grade of mineral sorted out at mines	NA	NA	
7d	Any beneficiation process at mines	Crushing for sizing	Crushing for sizing	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No any		

8.0 Environment

SN	Item	Proposals (2021-22)	Actual work (2021-22)	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	12609	20352	Yes, total 20352 cum top soil generated in 2021-22 is being used for spreading on backfilled area for plantation.
8b	Concurrent use or storage of topsoil	NIL	NIL	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NIL	NIL	Only OB/IB is being backfilled in mined-out area as per rule.
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	OB material shall be carried out for backfilled in mined out area.	Use of OB/IB is being carried out for backfilling in mined-out area restoring land.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	NIL	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	Yearly 1000 nos of plantation in one Ha area	1. Afforestation on backfilled-1.28 Ha area (1630 plants) 2. Afforestation on waste land /barrier pillar-0.5 Ha area (431 plants)	Total Afforestation on backfilled and barrier pillar - 1.78 Ha area (2300 plants)
8g	Survival rate	--	89.61%	

8h	Water sprinkling on roads to control airborne dust	Water sprinkling for dust emission control	Regular mobile water tanker/ sprinkler is being used for dust control.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	No any.		

9.0 Compliance of Rule 45

S.N.	Item	COMMENTS	Remarks
1.	Status of submission of Monthly and Annual returns	Monthly & Annual return is being submitted on regularly	Last Month of Aug 2022, Monthly return has been submitted before 08 th Sept 2022 and Annual return was submitted on 22/06/2022

S.N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	ROM- 2.77 lakh Ton- 9.15 lakh	Found Satisfactory	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.		Found Satisfactory	
9d	Scrutiny of Annual return on afforestation		Found Satisfactory	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)		Found Satisfactory	
9f	Scrutiny of Annual return on ROM stock and/or graded ore		Found Satisfactory	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost		Found Satisfactory	
9i	Scrutiny of Annual return on fixed assets		Found Satisfactory	
9k	Scrutiny of Annual return on mining machineries		Found Satisfactory	

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

In previous inspection dt. 29/10/2021, no violation observed.

In this inspection, 33 read with 31(4) found to be violated.