

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION**

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/DHAR/LIMESTONE/66

Mine code : 38MPR12081

- (i) Name of the Inspecting : **NQ08**) **KATHROJU NAVEEN**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri V.K Chakundey DGM(Mines), Shri Siyaram Mishra Ge
Official with
Designation
- (iv) Date of Inspection : 16-FEB-23
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **JEERABAD LIMESTONE MINE (**
- (b) Registration NO.** : **IBM/15003/2013**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : DHAR
Village : JEERABAD
Taluka : GANDHWANI
Post office : JEERABAD
Pin Code : 454446
FAX No. :
E-mail : mines@satgurucement.in
Phone : 0731-4075937, 4093290
- (f) Police Station :
- (g) First opening date : 12-APR-21
- (h) Weekly day of rest : SUN
2. Address for : 601/1, AIREN HEIGHTS, PU-3, SCHEME NO. 54,
correspondance OPPOSITE C-21 MALL, A B ROAD,
INDORE - 452001
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : SATGURU CEMENT PVT. LTD.
601/1, AIREN HEIGHTS, PU-3
SCHEME NO.54 A.B.ROAD,
INDORE 452010 ,MP. DHAR
MADHYA PRADESH
Phone:NA
FAX :NA

6. Date of approval of Mining :
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Not proposed	Not Applicable	
1b	Exploration over lease area for geological axis 1 or 2	Nil	18 bore holes propoed in 2022-23 and did the same	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not mentioned in the last approved document	M/s Shabban Ali Borewell ,Contractor for- Diamond core drilling ,Grouting and Pilling Work Malad(West) Mumbai - 400095 Rs. 318870/- (proposed drilling of 2022-23)	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Area explored under G-1=7.64 ha G3=0.86 ha level of exploration Unexplored=12.58 ha	Area explored under G-1=7.64 ha G3=0.86 ha level of exploration Unexplored=12.58 ha	
1e	Balance reserve as on 01/04/20	15,44,559 T	15,52,524 T	As per the last approved document the balance reserves on 28/01/2022 are 1647574 out of which it is proposed to produce 1,03,015T against which only 95,050T produced. theexploration proposed in 2022-23and accordingly 18 broholes drilled and for 2021-22 no exploration was proposed.

1f	General remarks of inspecting officers on geology, exploration etc	As per the last approved document the balance reserves on 28/01/2022 are 1647574 out of which it is proposed to produce 1,03,015T against which only 95,050T produced. the exploration proposed in 2022-23 and accordingly 18 broholes drilled and for 2021-22 no exploration was proposed.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Northern side	As per the proposal	
2b	Separate benches in topsoil, overburden and minerals (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 officers on development of pit w.r.t. type of deposit etc			mineral is found outcrop and there is no top soil or OB reportedly observed

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	1,03,015 T	95,050T	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Not proposed	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed	Nil	
3f	Quantity of sub grade mineral generation.	Not proposed	Nil	
3g	Grade of sub grade mineral generation	Not proposed	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Not proposed	No segregation is proposed the produced ROM is being tranfered to Captive Cement plant.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not applicable	
3j	Provision of drilling and blasting in mineral benches	Yes proposed	As per the proposal	
3k	Provision of mining machineries in mineral benches	Yes proposed	As per the proposal	

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	0.8806 ha	0.6336 ha	
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	1.1706 ha	0.7516 ha	
3p	Production of ROM mineral during the last five year period as applicable	2017-18 NA 2018-19 NA 2019-20 NA 2020-21 4500 T 2021-22 103015 T 2022- 2) 193098 T	2017-18..NA 2018-19..NA 2019-20..NA 2020-21...0T 2021-22...95,050T 2022-23 ...1,92,515.780 T	
3q	General remarks of inspecting officers on method of mining etc.			there is no OB available in the mine

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Not proposed	Nil	
4b	Location of topsoil, OB and mineral reject dumps	Not proposed	Not applicable	
4c	Number of dumps within lease area and outside of 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 and alive dumps.	Not proposed	Nil
4f	Number of dead dumps.	Not proposed	Nil
4g	Number of dumps established.	Not proposed	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed	Nil
4i	Length of Retaining wall or garland drain all along dumps	Not proposed	Nil
4j	Number of settling ponds	Not proposed	Nil
4k	Specific comments of inspecting officer on waste dump management	Not proposed	Nil

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Not proposed	Pit not completely extracted to proposed or carryout the backfilling.	
5b	Area under backfilling of mined out area	Not proposed	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed	Nil	

5d	Total area fully reclaimed and rehabilitated	Not proposed	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Pit not completely extracted to proposed or carryout the backfilling.

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	Submitted.	
6b	Area available for rehabilitation (ha) .	Not proposed	Nil	
6c	afforestation done (ha).	0.018 ha	0.018 ha	
6d	No. of saplings planted during the year	20	30	
6e	Cumulative no .of plants	20	30	
6f	Any other method of rehabilitation	Fencing around the lease boundary	170m fencing has been carried out.	
6g	Cost incurred on watch and care during the year	Not proposed	16075/-	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not proposed	Not applicable	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed	Not applicable
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Not proposed	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not proposed	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	20 No's	30 No's
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	0.018 ha	0.018 ha
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Plantation	Plantation

6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes proposed	Monitoring	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			30 saplings planed against the proposed 20 and pit is not extacted completley ro commence the backfilling opeartions.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	103015 T of ROM dispatc is proposed	95050 T ROM is dispatched fom mine head during the RY	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not proposed	Not applicable	
7c	Different grade of mineral sorted out at mines.	Not proposed	Nil	
7d	Any beneficiation process at mines	Not proposed	Not applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No grade wise sorting proposed the produced ROM is being supplied to the captive cement plant

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	Nil
8b	Concurrent use or storage of topsoil	Not proposed	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed	OB not available in the mine hence no possibility of existence of seperate benches.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	There is no generation of OB for utilising it.
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 and additional plantation done (Rule 41)	Yes proposed	30 plants reported
8g	Survival rate	80%	80%
8h	Water sprinkling on roads to control airborne dust	Yes proposed	Observed water sprinkling on the road.

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	there is no generation of OB for utilising it for restoration of the land and water sprinkling on the road found for dust suppression.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual return submitted on 14.06.2022	Annual and monthly returns submitted on time.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer in charge MANOJ SINGH Geologist in charge SIYARAM MISHR	Mining Engineer in charge MANOJ SINGH Geologist in charge SIYARAM MISHRA	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C) Workings 0.634 ha Other Purpose (PLANTATION) 0.018ha		
9d	Scrutiny of Annual return on afforestation	No of trees planted 30 Survival rate 40%		
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No such details furnished	Mineral reject not found at the mine.	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	4423.520T of Cement grade Lime stone reported	No such stock found during the inspection	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex Mine price is Rs 269.47/-	production cost is Rs 269.47/-
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets (in ?) 1042000 (in respect of the mine, beneficiation plant, mine work-shop, power and water installation)	
9k	Scrutiny of Annual return on mining machineries	AIR COMPRESSOR 1 SHOVEL (HYDRAULIC) 1 TIPPER .3	SHOVEL (HYDRAULIC) 1 TIPPER .3

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on

Date :

(KATHROJU NAVEEN)

Indian Bureau of Mines