

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/DHAR/LIMESTONE/65

Mine code : 38MPR12080

- (i) Name of the Inspecting : **NQ08**) **KATHROJU NAVEEN**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri V.K Chankundey, DGM Mines, Shri Siyaram Mishra G
Official with
Designation
- (iv) Date of Inspection : 18-FEB-23
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **RODADA LIMESTONE MINE (13**
- (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 : RODADA
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,
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	Nil	
1b	Exploration over lease area for geological axis 1 or 2	Not proposed	exploration proposed in 2022-23 entire area has explored under G1 category by drilling 8 new boreholes.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Proposed	During 2022-23 8 boreholes are drilled through Unique Geo Tech drillers agency which incurred Rs.3,50,814/	08 new boreholes were proposed in 2022-2023 to bring entire area into G1 category. Drilling started on 03/08/2022 and completed on 12/09/2022.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Area explored under G-1=9.102 ha G2=4.048 ha level of exploration	Entire area has explored under G1 by completing the 8 propose drill	
1e	Balance reserve as on 01/04/20	33,23,479 T	33,93,435 T	As per the last approved document total available reserves are 34,23,485T out of which 30,050 T were depleted against the proposed 1,00,006T. thus the balance reserves as on 33,18,449 T.

1f	General remarks of inspecting officers on geology, exploration etc	As per the last approved document total available reserves are 34,23,485T out of which 30,050 T were depleted against the proposed 1,00,006T. thus the balance reserves as on 33,18,449 T. Lease area has explored in G1 level.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N2480270 to N2480380 E507070 to E507125	Not upto the proposal due to EC issue	
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			There is no top soil and overburden in proposed working location. These is only mineral bench (Limestone bench) Development is not upto the proposal due to EC issue. There is only mineral bench (Limestone bench) Development is not upto the proposal due to EC issue.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	Proposed 100006 Tones of Limetone production.	30050T of limestone exploited during the RY.	CTO obtained on 09/02/2022 hence very less production reported duing the proposed year.
3c	Recovery of sailable/usable mineral from ROM production	90%	100%	There is no any waste generation repoprtdedly observed.
3d	Quantity of mineral reject generation	Not proposed	Not Applicable	reportedly,There is no mineral reject generation in the mine.
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed	Not Applicable	reportedly,There is no mineral reject generation in the mine.
3f	Quantity of sub grade mineral generation.	Not proposed	Not Applicable	Subgrade Mineral generation not fond in the mine.
3g	Grade of sub grade mineral generation	Not proposed	Not Applicable	Subgrade Mineral generation not fond in the mine.

3h	Manual / Mechanised method adopted for segregating from ROM	Not proposed	Not Applicable	There is no any segregation from ROM, produced limestone is being dispatched as ROM to the Captive plant for cement manufacturing
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	114mm dia drill hole of 6m depth are proposed with blasting.	Rock breaker is being deployed as the human settlement lies within the lease and proximity of blasting zone.	
3k	Provision of mining machineries in mineral benches	Hydraulic Excavators and dumpers proposed.	As per the proposal but the quantity of handling is very less due to deployment of breaker in place of Drilling and blasting.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	5-6m bench height is proposed .	yes as per the proposal.	
3m	Total area covered under excavation/pits	0.8806 ha	0.2003 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	Area under Mining - 0.8806 ha Road-0.07 ha Infrastructure -0.08 Mineral storage- 0.1 ha Other 0.018 ha	Area under Mining 0.2003 ha Roads...0.07 ha Infrastructure...0.07 ha Mineral Storage ...0.00 ha Others ...0.020 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 5030T 2021-22 100006T 2022-23 1,90,023T	2017-18...NA 2018-19...NA 2019-20...NA 2020-21....0T 2021-22....30,050T 2022-23 ...1,79,085 T
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3q	General remarks of inspecting officers on method of mining etc.	During 2021-22 very less quantity was extracted against the proposed. recoevry proposed as 90% but no such 10% leftover material found in the mine.
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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	Not Applicable	
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	Nil	
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	Not applicable	
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			Waste generation not found in the mines hence the dump details not available.

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	Nil	Not completely extracte dto propose 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	Not Applicable	
5d	Total area fully reclaimed and rehabilitated	Not proposed	Not Applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The proposed area of woking has not been fully extracted to start backfilling.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes to be submitted.	submitted.	
6b	Area available for rehabilitation (ha) .	Not proposed	Not Applicable	
6c	afforestation done (ha).	0.009 ha	0.020 ha	
6d	No. of saplings planted during the year	10 plant sproposed during the Reporting Year.	40 plants planted along the lease boundary.	
6e	Cumulative no .of plants	10	40	
6f	Any other method of rehabilitation	200m fencing was proposed along the lease Boundary.	200m fencing was errected along the lease Boundary.	
6g	Cost incurred on watch and care during the year	Rs.10,000/- proposed for plantaion during the year.	Rs 181156/- spent on watch and care as reported	
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 on backfilled area	Not proposed	Not Applicable
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	Not Applicable
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not proposed	Not Applicable
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	10 planted proposed.	40 plants planted during the RY.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.009 ha	0.020 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)	Proposed environmental monitoring.	Monitoring the environmental parameters in core zone and buffer zone.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	40 saplings were planted during the year and 200m fencing laid along the lease boundary.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	proposed 100006 Tones of ROM limestone for captive consumption.	Exploited 30050 Tones of RO	Grade wise sorting not proposed as the produced ROM is being consumed at the captice cemnet plant.
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	Not Applicable	
7d	Any beneficiation process at mines	Not proposed	Not Applicable	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			The produced ROM is being consumed at the captive cement manufacturing plant no grade wise sorting or seperate handling proposed.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed	Not Applicable
8b	Concurrent use or storage of topsoil	Not proposed	No concurrent use found
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed	Not Applicable
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Not Applicable
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	proposed phased restoration.	working has not been completely extrated the pit for phased restoration
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	10 plant with survival rate of 80%	as per the Annual return submitted 40 saplings planted within the lease with survuvalrate of 43% and outside the lesase 20 saplings planted with survival rate of 40%. 43% & 40%
8g	Survival rate	80%	43% & 40%
8h	Water sprinkling on roads to control airborne dust	Proposed water sprinkling for dust control.	As er the proposal.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		No overburden or top soil avaiable in the mine.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Monthly return submitted on time Annual return submitted on time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer A Gopal Reddy Geologist Siyaram Mishra	Mining Engineer Mr. Manoj Kumar Singh Geologist Siyaram Mishra	Shri.Manoj kumar singh appointed as mining engineer in place of A Gopal Reddy on 10/11/2022.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C) Workings 0.200. Occupied by plant, buildings, residential, welfare buildings & roads 0.000 0.140 PLANTATION) 0.020		
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year within the lease 40 and outside the lease 20	Plantation observed along the lease boundary.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	No mineral reject found	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	3766.260 T stock available.		
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Production cost given as 303.31	Exmine price and production cost are 303.31	
9h	Scrutiny of Annual return on fixed assets	Fixed asset Rs.1042000/- reprinted in AR.	Given	

9k	Scrutiny of	Air Compressor	Shovel ...1
	Annual return on	...1	Tipper ...3
	mining	Shovel ...1	
	machineries	Tipper ...3	

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

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	08-MAY-23			

Date :

(KATHROJU NAVEEN)

Indian Bureau of Mines