

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

**MCDR inspection REPORT
Jabalpur regional office**

Mine file No : MP/DHAR/LIMESTONE/64

Mine code : 38MPR12079

- (i) Name of the Inspecting : **NQ08**) **KATHROJU NAVEEN**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri V.K Chankendey DGM(Mines), Shri Siyaram Mishra (
Official with
Designation
- (iv) Date of Inspection : 14-FEB-23
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BADIYA LIMESTONE MINE (4.**
- (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 : BADIYA
Taluka : GANDHWANI
Post office : JEERABAD
Pin Code : 454446
FAX No. :
E-mail : mines@satgurucement.in
Phone : 09425064204, 0731-4093290
- (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, OPPOSITE C-21 MALL,
correspondance A B ROAD, INDORE - 452010
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	nil
1b	Exploration over lease area for geological axis 1 or 2	Not proposed.	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed.	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Area explored under G-2= 4.99ha level of exploration	Area explored under G-2= 4.99ha level of exploration	
1e	Balance reserve as on 01/04/20	4,43,136 T	4,53,050 T	As per the approved mining plan the reserves available at the mine are 4,63,500 T out of which it is proposed to produce 20,364 T till 01.04.2022 against which 10,450 T produced till 01.04.2022.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	proposed to work at the central part of the laease	as per the proposal	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Not proposed	Nil	

2c	Stripping ratio or ore to OB ratio	Not proposed	Nil	
2d	Quantity of topsoil generation in m3	Not proposed	Nil	
2e	Quantity of overburden generation in m3	Not proposed	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No benches are proposed in Top soil or in OB.

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 10,464 T production	Achieved 10,450 T production.	
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	Nil	

3h	Manual / Mechanised method adopted for segregating from ROM	Not proposed	Nil	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Nil	
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	0.0825 Ha	0.0825 ha	Working is proposed within already existing pit having an area 2.60 ha . In this 2.60 ha area pit about 0.0825 area is deepen by producing limestone
3n	Ore to OB ratio for the pit/mine during the year.	Not proposed	Nil	There is no overburden in proposed working location

3o Total area put in use under different heads at the end of year

Area under Mining -2.60 ha	Area under Mining -2.60 ha
Road-0.05 ha	Road-0.05 ha
Infrastructure -0.045 ha	Infrastructure-0.00 ha
Mineral storage- 0.1 ha	Mineral storage- 0.00 ha
Other 0.009 ha	Other 0.025 ha

3p Production of ROM mineral during the last five year period as applicable

2017-18.....NA	2017-18.....NA
2018-19.....NA	2018-19.....NA
2019-20.....NA	2019-20.....NA
2020-21.....9,900 T	2020-21.....0 T
2021-22.....10,464 T	2021-22.....10,450 T
2022-23.....11,124 T	2022-23.....11,120 T

3q General remarks of inspecting officers on method of mining etc.

10,450T of production exploited against the proposed 10,464 T.

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.	Nil	
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.	Nil	
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			There is No topsoil, OB or Mineral rejeet generation in the lease area subsequent to that neighter the waste dumping proposal nor the achievement observed in the subject mine.

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.	NI	
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.			Mineral has been extracted completely to initiate the reclamation and rehabilitation activities.

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).	To be submitted	Submitted.	
6b	Area available for rehabilitation (ha) .	Not proposed.	Nil	
6c	afforestation done (ha).	proposed 0.045 ha during the five years proposal period	0.025 ha	
6d	No. of saplings planted during the year	20 Saplings.	50 Saplings.	
6e	Cumulative no .of plants	20	50	
6f	Any other method of rehabilitation	Not proposed.	Nil	
6g	Cost incurred on watch and care during the year	Not proposed.	Rs.2500/-	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not proposed.	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not proposed.	Nil	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Not proposed.	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed.	Nil	Pits has not been extracted completely.
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 saplings proposed in the barrier zone.	20 saplings	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.045 ha area during the proposal period	0.025 ha afforestrated during the RY.	

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Pantation	Plantation	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes, proposed Monitoring of corezone and buffer zone.	Environment has been moniroring in the respective zones.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Minera hs not exhausted to initiate the reclamation and rehabilitation activities.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM disptch is proposed	ROM dispatching to captive plant is reported.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not proposed.	Nil	
7c	Different grade of mineral sorted out at mines.	Not proposed.	Nil	
7d	Any beneficiation process at mines	Not proposed.	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			ROM dispatch is found in the said mien no grade wise sorting is found.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Not proposed.	NA	Top soil not available in the mine
8b	Concurrent use or storage of topsoil	Not proposed.	NA	Top soil not available for concurrent use or for storage.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not proposed.	Nil	No Over Burden or Mineral reject found in the said mine
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed.	Nil	No Over Burden or Mineral reject found in the said mine
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)	20 Saplings proposed.	20 saplings found.	
8g	Survival rate	80%	80%	
8h	Water sprinkling on roads to control airborne dust	yes proposed	water sprinkling not found in the said mine as the mine is temporarily discontinued after achievig the targetted production.	

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No top soil/ Mineral reject or waste generation found in the mine
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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 and Monthly return submitted online.		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer in charge GOPAL REDDY Geologist in charge SIYARAM MIRSHRA	Mining Engineer in charge Shri V.K Chakundey Geologist in charge Shri. SIYARAM MIRSHRA	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C) Workings 2.600 ha Reclaimed/Rehabilitated 0.000 ha Used for waste disposal 0.000 ha Occupied by plant, buildings, residential, welfare buildings & roads 0.050 ha Other Purpose (plantation) 0.025 ha		
9d	Scrutiny of Annual return on afforestation	Number of trees planted during the year 50	50 Saplings planted	

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Not furnished	Mineral reject generation not found in the mine.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	246.920 T of Cementgrade limestone reported.	No stock observe on the date of inspection.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	exmine price is reported as Rs 273.88/-	As the mineral is being produced for the captive consumption Production cost and Ex mine price are same.
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets (in) Rs.10,42,000 /-	
9k	Scrutiny of Annual return on mining machineries	AIR COMPRESSOR 180.000 CUM/MN...01 SHOVEL (HYDRAULIC) 180.000 CUM ...01 TIPPER 130.000 CUM.....03	As the mine is temorarily discontinued no machinery were found in the said mine

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

Date :

(KATHROJU NAVEEN)

Indian Bureau of Mines