

MCDR inspection REPORT

Jabalpur regional office

Mine file No : MP/SATNA/LIMESTONE/390

Mine code : 38MPR35359

- (i) Name of the Inspecting : **G006**) **ABHISHEK RANJAN GAUTAM**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri Amit Rai, Partner
Official with
Designation
- (iv) Date of Inspection : 14-MAR-23
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **NARAURA LIMESTONE DEPOSIT**
- (b) **Registration NO.** : **IBM/44622/2022**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
State : MADHYA PRADESH
District : SATNA
Village : NARAURA
Taluka : MAIHAR
Post office : MAIHAR
Pin Code : 485771
FAX No. : 07674-232094
E-mail : sadaconstructions@yahoo.coi
Phone : 07674-232094
- (f) Police Station : Maihar
- (g) First opening date : 02-DEC-20
- (h) Weekly day of rest : SUN
2. Address for : RAI BHAWAN, KATNI ROAD, P.O. - MAIHAR
correspondance : DISTRICT - SATNA (M.P.) - 485771
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : LIMESTONE Main

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5. Name and Address of the

Lessee : M/S SADA CONSTRUCTION
RAI BHAWAN, KATNI ROAD,
P.O. - MAIHAR, DISTRICT -
SATNA (M.P.) - 485771 SATNA
MADHYA PRADESH
Phone:07674-232094
FAX :

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

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PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	03 Nos of Bore hole	Nil	Violation pointed out under rule 11(1)
1b	Exploration over lease area for geological axis 1 or 2	Lease area explored up to G1 level	Lease area explored up to G1 level	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not proposed	Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Lease area explored up to G1 level	Nil	10.90ha complete lease area already explored up to G1 level.
1e	Balance reserve as on 01/04/20		Reserve as on 01/04/2022 - 1033454 Tones Resource - 310878 Tones	
1f	General remarks of inspecting officers on geology, exploration etc			Exploration work of 02 bore hole has been complete. Violation pointed out for exploration.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	2683015 N to 2683115 N 483150 E to 483240 E	2683015 N to 2683115 N 483150 E to 483240 E	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes, Proposed Mineral - 01 bench OB - 01 bench	Yes, Proposed Mineral - 01 bench OB - 01 bench	
2c	Stripping ratio or ore to OB ratio	1:1.34	Nil	Violation pointed out for less development.
2d	Quantity of topsoil generation in m3	2540 Cubic meter	2000 cubic meter	
2e	Quantity of overburden generation in m3	20888 cubic meter	Nil	Violation pointed out for same

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2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	the mine development was lagging and not as per the proposals of approved document.Hence violation under rule 11(1) was pointed out.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	One pit	
3b	Quantity of ROM mineral production proposed	43680 Tons	43350 Tons	
3c	Recovery of sailable/usable mineral from ROM production	80%	100%	
3d	Quantity of mineral reject generation	Not proposed	Not applicable	
3e	Grade of mineral rejects generation and threshold value declared.	Not proposed	Not applicable	
3f	Quantity of sub grade mineral generation.	Not proposed	Not applicable	
3g	Grade of sub grade mineral generation	Not proposed	Not applicable	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised method proposed	Mechanised method adopted	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed	Not applicable	

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3j	Provision of drilling and blasting in mineral benches	Drilling & blasting Proposed	Drilling & blasting practice Adopted	
3k	Provision of mining machineries in mineral benches	Proposed	Front end loader - 1.02 cum - 01 Dumper - 10.00 tonne - 01 Dumper - 16.00 tonne -01 Water tanker - 20000 Liters - 01 Pumps - 01	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Suitable	Suitable as per proposal. bench height maintained as per Mining Plan.	
3m	Total area covered under excavation/pits	2.5 Ha	2.0 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:1.34	Nil	Violation pointed out.
3o	Total area put in use under different heads at the end of year	Covered under current pit - 2.5 ha Reclaimed area - 1.0 ha Used waste disposal - 0.0 ha green belt - 2.090 ha	Covered under current pit - 2.5 ha Reclaimed area - 1.0 ha Used waste disposal - 0.0 ha green belt - 2.090 ha	
3p	Production of ROM mineral during the last five year period as applicable	2021-22 -43680 Tons	2021-22 -43350 Tons	Mine working started from 2020-21
3q	General remarks of inspecting officers on method of mining etc.			Opencast machanised method of mining is existing in the lease area. Mine was not in operational at the time of inspection, development work not done was per proposal given in the plan

Solid Waste Management - Dumping:

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Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping for Top soil, OB and reject proposed	NIL	development work not done achived target for the reportign year
4b	Location of topsoil, OB and mineral reject dumps	Proposed	development work not done achived target for the reportign year. Top soil used in bunding work around the lease boundary.	Violation pointed out for same
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not applicable	Not applicable	
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	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	Not applicable	
4j	Number of settling ponds	Not proposed	Not applicable	
4k	Specific comments of inspecting officer on waste dump management			development work not done achived target for the reportign year. Top soil used in bunding work around the lease boundary.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	full extraction proposed	no area fully extracted for the backfilling.	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	proposed for plantaion	not done as per plan	development work not done achived target for the reportign year. Violatioon pointed out.
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Development work not done achived target for the reportign year

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	Submitted	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	Nil	Nil	Violation pointed out
6d	No. of saplings planted during the year	Nil	Nil	
6e	Cumulative no .of plants	Not mentioned	Not applicable	
6f	Any other method of rehabilitation	Not proposed	Not applicable	
6g	Cost incurred on watch and care during the year	Not proposed	Not applicable	

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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	Not proposed	Not applicable
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not proposed	Not applicable
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not proposed	Not applicable

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6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposed	Found in order	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Yearly PMCP report submitted for the year 2021-22

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatched proposed	ROM were dispatched to the cement plant	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical method proposed	mechanical method adopted	
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			ROM is proposed to dispatched to the cement plant no beneficiasion process proposed

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	Top soil used for plantation & bunding work	

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8b	Concurrent use or storage of topsoil	Proposed	Top soil used for plantation & bunding work	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed	Nil. No area fully extracted	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	not applicable	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Proposed	Plantation work not done as per proposal	Violation pointed out for same
8g	Survival rate	Not applicable	Plantation work not done as per proposal	
8h	Water sprinkling on roads to control airborne dust	Proposed	Carried out as per proposal	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			No plantation observed in mines. needs improvements

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		MR submitted upto Feb 2023 AR submitted upto 2021-22	

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer - Not appointed Geologist - Not appointed	Violation pointed out under rule 55(1)
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current pit - 2.5 ha Reclaimed area - 1.0 ha Used waste disposal - 0.0 ha green belt - 2.090 ha	
9d	Scrutiny of Annual return on afforestation	Plantation Not done as per proposal	Violation pointed out for same
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Production (in tonne) - 43350 Dispatches from mine head (in tonne) - 43744 Closing Stock - Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex mine price Rs. 339.31/- Cost of Production - Rs 318.71/-	
9h	Scrutiny of Annual return on fixed assets	Nil	
9k	Scrutiny of Annual return on mining machineries	Front end loader - 1.02 cum - 01 Dumper - 10.00 tonne - 01 Dumper - 16.00 tonne -01 Water tanker - 20000 Liters - 01 Pumps - 01	

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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
MCDR17	Rule 11(1)	30-MAR-23			
MCDR17	Rule 27(1)	30-MAR-23			
MCDR17	Rule 34(1)	30-MAR-23			
MCDR17	Rule 55(1)(3)	30-MAR-23			

Date :**(ABHISHEK RANJAN GAUTAM)**

Indian Bureau of Mines