

MCDR INSPECTION REPORT

General

S.N.	Particulars	Details
1	Name of the Mine Date of Inspection: Name of Inspecting Officer	Madesra Limestone Mine 12/07/2017 (Mining Plan Inspection) Rudra N. Mishra (SMG)
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Lease area –6.712ha Non-Forest Lands– 6.71 ha, Forest Lands-- Nil
3	Mine code	38CHG05022
4	IBM Registration Number under rule 45 of MCDR,2017	IBM/18099/2011
5	Name of the Lease, Address, Phone, email and fax number	Shri Jitendra Chandrakar
6	Village	Nandini Khundini
7	Taluka/Mandal	Dhamda
8	District	Durg
9	Pincode	490036
10	State	Chhattisgarh
11	Post Office	Nandini Khundni
12	Nearest Police Station	Nandini Nagar
13	Nearest Railway Station	Bhilai
14	Date of Grant of Mining Lease	21/04/2011
15	Date of Execution	23/08/2011
16	Date of opening of Mine	14/10/2013
17	Date of First Renewal, if applicable and its period & expiry	Period of ML 21/04/2011 to 20/04/2061 (50 years as per the MMDR amendment Act 2015)
18	Date of Second Renewal, if applicable and its period & expiry	Not Applicable
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Jitendra Chandrakar
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Nil
22	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Pradeep Kumar
23	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Mr. Pradeep Kumar BE Mining
24	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 55 &	NA

	carrying out their duties as per rule 56 & 57.	
25	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	Letter No: DRG/LST/MPLN-1085/NGP, Dated 16/03/2011
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	NA
27	Mineral(s) granted in lease and approved for Mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	Fully Mechanised
30	Captive/Non-Captive	Non-Captive mine
31	Environment Clearance	32000TPA Dated: 07/07/2015

Exploration

S.N.	Item	Proposals (2016-2017)	Actual Work (2016-2017)	Remarks
1a	Backlog of previous year	Exploration Proposal has not been given in the approved document.	Not Applicable	Work not started till 31/03/2017
1b	Exploration over lease area for Geological axis 1 or 2.	Proposal has not been given	Not Applicable	
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 as on 01.04.2017	Under 121: - 2.58 million tonnes Under 122: - 1.32 million tonnes Under 221: - 0.33 million tonne Under 222: - 0.94 million tonne		
1f	General remarks of Inspecting officer on geology, exploration etc.	NIL		

Development

S.N.	Item	Proposals (2016-2017)	Actual Work (2016-2017)	Remarks
2a	Location of Development w.r.t. lease area	Block I and Block-II of the lease	Nil	Work not started till 31/03/2017
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Not given in approved Plan	Nil	
2c	Stripping ratio or ore to OB	Not given in approved	Nil	

	ratio	Plan		
2d	Quantity of topsoil generation in m ³	Not given in approved Plan	Nil	
2e	Quantity of overburden generation in m ³	Not given in approved Plan	Nil	
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Mining Work is closed		

Exploitation

S.N	Item	Proposals (2016-2017)	Actual Work (2016-2017)	Remarks
3a	Number of pits proposed for production	Not given in approved Plan	Nil	
3b	Quantity of ROM mineral production proposed (2016-17)	Not given in approved Plan	Nil	
3c	Recovery of Salable/usable mineral from ROM production	Not given in approved Plan	Nil	
3d	Quantity of mineral reject generation	Not given in approved Plan	Nil	
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	Nil	Nil	
3h	Manual/Mechanized method adopted for segregation from ROM	Manual	Nil	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not given in approved Plan	Nil	
3j	Provision of drilling & blasting in mineral benches	DTH	Nil	
3k	Provision of mining machineries in mineral benches	HEMM (Backhoe, Dumpers, Drilling & Crushing) Yes	Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Nil	
3m	Total area covered under excavation /pits	Not given in approved Plan	Nil	
3n	Ore to OB ratio for the pit/mine during the year	Not given in approved Plan	Nil	
3o	Total area put in use under different heads at the end of year	Not given in approved Plan	Nil	
3p	Production of ROM mineral during last five-years period, as Applicable	2012-13	26752.50	0 Tonne

	(Tonns)	2013-14	29226.75	3600.00Tonne	
		2014-15	30721.12	7950.00Tonne	
		2015-16	32064.75	3404.24 tonne	
		2016-17	Not given in approved Plan	0 Tonne	
3q	General remarks of inspecting officer on method of mining etc	Mining Work is closed			

Solid Waste Management-Dumping

S.N.	Item	Proposals (2016-2017)	Actual Work (2016-2017)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	NA	Nil	
4b	Location of topsoil, OB & mineral reject dumps	NA	Nil	
4c	Number of Dumps within lease area and outside lease area	NA	Nil	
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	NA	Nil	
4e	Number of Active & Alive dumps	NA	None	
4f	Number of deed dumps	NA	None	
4g	Number of dumps established	NA	None	
4h	Whether Retaining wall or garland drain all along dumps are there	NA	None	
4i	Length of Retaining wall or garland drain all along dump	NA	None	
4j	Number of settling ponds	NA	Nil	
4k	Specific commends of inspecting officer on waste dump management	Mining Work is closed		

Solid Waste Management-Backfilling

S.N.	Item	Proposals (2016-2017)	Actual Work (2016-2017)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Nil	Nil	
5b	Area under backfilling of	Nil	Nil	

	mined out area			
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Spread over backfilled area	Nil	
5d	Total area fully reclaimed & rehabilitated	Nil	0.00ha	
5e	General remarks of inspecting officer on backfilling, reclamation etc	Mining Work is closed.		

Progressive Mine Closer Plan

S. N.	Item	Proposals (2017-18)	Actual Work (2017-18)	Remarks
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	Yes	No	
6b	Management of worked/mined out benches	In Hect	In Hect	
	Area available for rehabilitation (Ha)	None	None	
	Afforestation done (ha)	None	None	
	No. of saplings planted during the year	None	None	
	Cumulative no. of plants	None	None	
	Any other specific method of rehabilitation	None	None	
	Cost incurred on watch & care during the year	Nil	Nil	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L*B*D) ii) Void filled by waste/tailings iii) Afforestation on the backfilling iv) Rehabilitation by making water reservoir v) Any other specific means	Nil	Nil	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitation iii) Method of rehabilitation	Nil	Nil	
6e	Compliance of Environment monitoring (core zone & buffer zone)	N.A	N.A	
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Mining Work is closed		

Mineral Conservation

S.N.	Item	Proposals (2016-2017)	Actual Work (2016-2017)	Remarks
7a	ROM mineral dispatch or grade wise sorting within lease area	NA	Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NA	Nil	
7c	Different grade of mineral sort out at mine	NA	Nil	
7d	Any beneficiation process at mines	NA	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	Mining Work is closed		

Environment

S.N.	Item	Proposals (2016-2017)	Actual Work (2016-2017)	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	NA	Nil	
8b	Concurrent use or storage of topsoil	Top soil Spread the concurrent back filled area	Nil	
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	Nil	Nil	
8d	Use of overburden, waste rock, rejects and fines dump for restoring the land to its original use	None	None	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None	None	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	None	None	
8g	Survival rate	None	None	
8h	Water sprinkling on roads to control airborne dust	Nil	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Mining Work is closed due sub judice matter		

Compliance of Rule 45

S. N.	Item	Comments	Remarks
9a	Status of submission of monthly and Annual returns	M.R. Submitted upto- March_2018	
		A.R. submitted upto- 2016-17 & A.R 2017-18 Submitted	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes, Mining Engineer: Mr. Pradeep Kumar,	Mining Work is closed due sub judice matter
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Open Cast Mining: 6.710ha Area Under current working pit: 0.905ha Reclaimed area: 0.00ha Occupied by plant, building residential, welfare building and roads: 0.105ha Other purpose:0.027 ha	
9d	Scrutiny of Annual return on afforestation	Not given	
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	0.00 tone,	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	N.A	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	N.A	
9i	Scrutiny of Annual return on Fixed assets	N.A	
9k	Scrutiny of Annual return on mining Machineries	N.A	

10.0 Details of Violations observed during current inspection

It was a Mining Plan inspection and Scrutiny letter issued on dated 17/07/2017.

Date: 03/08/2018

Name: Rudra N Mishra

Designation: SMG