

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1	Name of inspecting office & designation	Suresh Prasad, Dy Controller of Mines
2	Date of inspection	15.12.2016
3	Name of the Mine	Patharia Lime Stone Mines
4	Total Lease Area (Ha) with breakup of Non-forest and forest land	2.16 ha.
5	Mine Code	38MPR13027
6	IBM Registration Number under rule 45 of MCDR, 1988	IBM/10030/2012
7	Name of the lessee, Address, phone, email and fax number	A.K.Verma , MIG-11 Padmanabhpur , Durg
8	Village	Durg (C.G.)
8	Taluka / Mandal / District	Durg
10	State	C.G.
11	Post office & PIN	491001
12	Nearest police station	Durg
13	Nearest Railway station	Durg
14	Date of Grant of Mining Lease	02.04.1994
15	Date of Execution	02.04.1994
16	Date of opening of Mine	02.04.1994
17	Date of first Renewal, if applicable and its period & expiry	21.03.2013
18	Date of second Renewal, if applicable and its period & expiry	-
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	-
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mine Owner, Shri A.K.Verma , MIG-11 Padmanabhpur , Durg(C.G.)
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	NA
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Vikeshwar Thakur, C/o Patharia Lime Stone Mines Mines Owner A.K.Verma

23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	B Tech In Mining Engineering
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	No
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	09.08.2016
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	-
27	Mineral(s) granted in lease and proved for mining	Lime Stone
28	Method of Mining(Open cast, Underground)	Open Cast
29	Category (Fully Mechanised, Others or Manual)	B
30	Captive/Non Captive	Non Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

1.0 Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	One DTH hole	Nil	Proposed one DTH bore hole in pit floor centrally of 20 meter depth.
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Almost lease area in exposed due to mining pit	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not mentioned	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NA	NA	
1e	Balance reserves as on 01.04.2017		359700 MT	
1f	General remarks of inspecting officer on geology, exploration etc.	The geology is simple stratified flat deposit and almost lease area in exposed due to mining pit		

2.0 Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area (Range in UTM/Local Coordinate/Plot No./Location)	Southern Side to Northern Side	Southern Side to Northern Side	
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	3 Benches	1 OB 2 Limestone	Working proposed in third bench
2c	Stripping ratio or ore to OB ratio	1:0.05		
2d	Quantity of topsoil generation in m ³	Nil	Nil	
2e	Quantity of overburden generation in m ³	Nil	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	The development is broadly as per proposal and is in one pit and achievement of production is less than proposal.		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	1	1	
3b	Quantity of ROM mineral production proposed	9000 MT	3400 MT	
3c	Recovery of salable/usable mineral from ROM production	95%	--	
3d	Quantity of mineral reject generation	440 cum	-	
3e	Grade of mineral reject generation and threshold value declared	Cement	Cement	
3f	Quantity of sub-grade mineral generation	Nil	Nil	
3g	Grade of sub-grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No such proposal	NA	
3j	Provision of drilling & blasting in mineral benches	Jack Hammer Drill Machine(34mm/33m m)	Jack Hammer Drill Machine	

3k	Provision of mining machineries in mineral benches			
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Top Soil 3m L/s – 3m to 6m	Top Soil 3m L/s – 3m to 6m	
3m	Total area covered under excavation/pits	1.13	1.13	
3n	Ore to OB ratio for the pit/mine during the year	1:0.05		
3o	Total area put in use under different heads at the end of year	Pit- 1.3 Waste/reject 0.20 Others- 0.10	Pit- 1.3 Waste/reject 0.20 Others- 0.10	
3p	Production of ROM mineral during last five-year period, as applicable	Yr- 2012-13: 18900 Metric Tonnes Yr- 2013-14: 20250 Metric Tonnes Yr- 2014-15: 6550 Metric Tonnes Yr- 2015-16: 3400 Me Tonnes Yr- 2016-17: 9000 Metric Tonnes	Yr- 2012-13: 5650 Metric Tonnes Yr- 2013-14: 3400 Metric Tonnes Yr- 2014-15: 6550 Metric Tonnes Yr- 2015-16: 3400 Metric Tonnes Yr- 2016-17: 7600 Metric Tonnes	
3q	General remarks of inspecting officer on method of mining etc.	The method of mining is proposed open cast method by manual mean and during mine visit it was observed that mine is not working and reported that due to not having environment clearance production stopped.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	The is no major waste generation therefore waste mixed with soil proposed to be dump in 7.5 meter barrier Eastern side of ML	Broadly as per proposal	
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	No major dump proposed	NA	
4c	Number of dumps within lease area and outside lease area	No major dump proposed	No major dump observed	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	NA	NA	
4e	Number of active & alive dumps	Nil	Nil	
4f	Number of dead dumps	Nil	Nil	
4g	Number of dumps stabilised	Nil	Nil	

4h	Whether Retaining wall or garland drain all along dumps are there --	No such proposal	NA	
4i	Length of Retaining wall or garland drain all along dump	NA	NA	
4j	Number of settling ponds	No Ponds	No Ponds	
4k	Specific comments of inspecting officer	There is no major dump observed therefore no question of waste dump management.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	NA	NA	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Nil	Nil	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	The mine working is upto depth of 10-15 meter and mineral is still not exhausted there no backfilling is done.		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23. Details should be given in the format as given in Annexure-20.	NA	NA	
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	NA	NA	

6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	NA	NA	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	-afforestation 180 nos	As per proposal	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	NA	NA	
6f	General remarks of inspecting officer on PMCP compliance & progressive	PMCP broadly as per proposal.		

7.0 Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM dispatched	As per proposal	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	NA	NA	
7c	Different grade of mineral sorted out at mines	NA	NA	
7d	Any beneficiation process at mines	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The ROM produce is totally dispatched and waste generation is negligible.		

8.0 Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	No top soil generation	Negligible	
8b	Concurrent use or storage of topsoil	NA	NA	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	NA	No major dump observed	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	NA	NA	
8g	Survival rate	Not mentioned specifically	Reported 70%	
8h	Water sprinkling on roads to control airborne dust	There is no such proposal	NA	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	The production of mine is very less and no machineries used therefore no adverse impact observed.		

9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted A.R. submitted	

S. N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	No information	No Mining Engineer & geologist observed as reported.	Mine is not working due to not having environment clearance.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes given	0.8 ha. for o/c working, 0.2 ha. for waste disposal, 0.1 ha. for infrastructure	
9d	Scrutiny of Annual return on afforestation	Nil		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil		
9f	Scrutiny of Annual return	Nil		

	on ROM stock and/or graded ore			
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Ex-mine price-Rs 295/-, Cost of production Rs 252.9/-		
9i	Scrutiny of Annual return on fixed assets	Nil		
9k	Scrutiny of Annual return on mining machineries	No major mine machineries used		

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:- last inspection violation of Rules 12(3), 13(1), 23F, 45(5) & 45(7) pointed and violation complied.

Date of Last Inspection,

Details of the Violations Pointed-out during Inspections: Rule 42(1)(c) (ii) & 45(7) found.

Sd/-

(Suresh Prasad),

Dy Controller of Mines, Dt 15.12.2016

(Name of the Inspecting Officer and Designation and Date)