

MCDR INSPECTION REPORT

General

S. N.	Particulars	Details
1	Name of the Mine	Moheranga Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	4.527 Ha. Non forest, Waste land 2.021 ha. & Private Land 2.506 ha.
3	Mine code	38 CHG14025
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/11622/2012
5	Name of the lessee, Address, phone, email and fax number	Shri Yogendra Verma, Verma Tractor Motor Parts, Village & P.O.- Kharora, Distt- Raipur (C.G.), PIN-493225
6	Village	Kharora
7	Taluka/Mandal	Tilda
8	District	Raipur
9	Pincode	493225
10	State	Chhattisgarh
11	Post office	Kharora
12	Nearest police station	Kharora
13	Nearest Railway station	Tilda
14	Date of Grant of Mining Lease	19.11.2007
15	Date of Execution	19.11.2007
16	Date of opening of Mine	01.05.2008
17	Date of first Renewal, if applicable and its period & expiry	NA
18	Date of second Renewal, if applicable and its period & expiry	NA
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	NA
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 K.L.Sharma
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Nil
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Nil
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Modified mining plan approved on 13.04.2016 for the period 2012-13 to 2016-17 with proposal of 2015-16 to 2016-17.
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 proved for mining	Limestone
28	Method of Mining(Open cast, Underground)	open cast
29	Category (Fully Mechanised, Others or Manual)	Manual
30	Captive/Non Captive	Non Captive

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. (Duplication of information in existing TMIS data sheets and draft write up has been avoided.)

Exploration

S.N.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	Nil	Nil	3 bore holes proposed in 2016-17
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	The is no bore hole drilled in ML area but more than 50% of lease area is exposed due to mining upto depth

				of 6-7 meter.
1e	Balance reserves as on 01.04.2016	449136 in 121 category & 215089 in 222 category.	449136 in 121 category & 215089 in 222 category.	Modified Mining Plan approved on 13.04.2016 and reserved are based on approved document
1f	General remarks of inspecting officer on geology, exploration etc.			The area in having limestone deposit stratified in nature but in MI area no exploration carried out but in 2016-17 3 bore holes is prosed.

Development

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Proposal is given in SW corner of lease extending the present pit.	Within the proposed area.	Production is negligible
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Top soil is negligible therefore no separate bench.	NA	
2c	Stripping ratio or ore to OB ratio	No topsoil & no overburden	NA	
2d	Quantity of topsoil generation in m ³	50 ton	Nil	
2e	Quantity of overburden generation in m ³	No overburden	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.			In 2015-16 production is very less only 10 ton

Exploitation

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	one	As per proposal	
3b	Quantity of ROM mineral production proposed	29000 MT	10 ton	
3c	Recovery of salable/usable mineral from ROM production	27550 MT	10 ton	
3d	Quantity of mineral reject generation	1450	Nil	
3e	Grade of mineral reject generation and threshold value declared		NA	
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	Machanised	Mechanised	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade	NA	NA	

	mineral and reject			
3j	Provision of drilling & blasting in mineral benches	Jack Hammer drilling and blasting.	As per proposal	
3k	Provision of mining machineries in mineral benches	Excavator-210 HP,Dumpers Tata 16 tons capacity,jack hammer-34 mm,compressor-450 cfm	As per proposal	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	As per proposal	
3m	Total area covered under excavation/pits	0.28 ha. For 2015-2017		1.660 ha cumulative by addition proposal and before 2015.
3n	Ore to OB ratio for the pit/mine during the year	No OB	015-16 working is negligible only 10 MT	
3o	Total area put in use under different heads at the end of year	2.056 ha.	1.508 ha.	
3p	Production of ROM mineral during last five-year period, as applicable	2011-12-5000 MT 2012-13-Nil 2013-14-Nil 2014-15-Nil 2015-16-29000 MT	2011-12-5654 MT 2012-13-Nil 2013-14-Nil 2014-15-Nil 2015-16-10 MT	There is no approved document for the period 2012-13 to 2014-15 and document was approved on 13.04.2016 for the period 2012-13 to 2016-17.
3q	General remarks of inspecting officer on method of mining etc.			The working is by opencast semi-mechinised but the presently the production is very less.

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	The top soil generation is negligible and the same is proposed to used for afforestation in 7.5 meter safety barrier in western side of ML. No OB and mineral reject dump is proposed in N of ML.	As per the proposal.	
4b	Location of topsoil, OB & mineral reject dumps	The top soil generation is negligible and the same is proposed to used for afforestation in 7.5 meter safety barrier in western side of ML. No OB and mineral reject dump is proposed in N of ML.	As per the proposal.	
4c	Number of dumps within lease area and outside lease area	one	There is no major dump observed during inspection as the production is negligible for last 3-4 years.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	one	NA	
4e	Number of active & alive dumps	one	NA	
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	Nil	Nil	
4i	Length of Retaining wall or garland drain all along dump	NA	NA	
4j	Number of settling ponds	NA	NA	
4k	Specific comments of inspecting officer on waste dump management			There is no major dump observed during inspection as the production is negligible for last 3-4 years.

Solid Waste Management-Backfilling

S.N.	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No backfilling proposed	No backfilling.	
5b	Area under backfilling of mined out	Nil	Nil	

	area			
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Use for afforestation.	Use for afforestation as per proposal.	
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc			Area still not matured for backfilling therefore no backfilling done.

Progressive Mine Closure Plan

S.N.	Item	Proposals	Actual work	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.		Not submitted.	
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 * B * D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	i) NA	i) NA	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	i) NA	i) NA	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	NA	NA	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations			

Mineral Conservation

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	27550 MT	10 MT	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual hand sorting and sizing.	As per proposal.	
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			Production is vey less in last 3-4 years and mostly no waste generation.

Environment

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Yes	
8b	Concurrent use or storage of topsoil	Use for afforestation	Use for afforestation	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for waste.	As per proposal.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA	Area not matured for restoring.
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 41)	Afforestation proposed in 0.045 ha.	Existing in 0.012 ha. But survival is very poor.	
8g	Survival rate	Not mentioned specifically	Approximately 40%	
8h	Water sprinkling on roads to control airborne dust	Not proposed	Not observed	Mining activity is very small scale.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			As the mining activity is in vey small scale no adverse impact observed.

Compliance of Rule 45

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	MR and AR not 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	AR for 2015-16 not submitted.	NA	Violation issued
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	AR for 2015-16 not submitted	NA	
9d	Scrutiny of Annual return on afforestation	AR for 2015-16 not submitted	NA	
9e	Scrutiny of Annual return on mineral reject generation (Grade &	AR for 2015-16 not submitted	NA	

	quantity)			
9f	Scrutiny of Annual return on ROM stock and/or graded ore	AR for 2015-16 not submitted	NA	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	AR for 2015-16 not submitted	NA	
9i	Scrutiny of Annual return on fixed assets	AR for 2015-16 not submitted	NA	
9k	Scrutiny of Annual return on mining machineries	AR for 2015-16 not submitted	NA	

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

Rule	Nature of Violation observed
12(3)	The scheme of mining ought to have been submitted to the competent authority at least one hundred twenty days before the expiry of the five years period, for which it was approved on the last occasion. The Scheme of Mining for the Mine was approved on 13.04.2016 for a period of 2012-13 to 2016-17. The proposed period of approved Mining Plan expiring on 31.03.2017 and no Scheme of Mining/ Review of Mining Plan was submitted to the competent authority for the subsequent periods.
Rule 45(5)(a)(viii)	Monthly returns since april-2016 of mine has not been submitted to the Regional Controller of Mines, IBM, Raipur, which ought to have been Submitted in Form F-8 before 10 th of every month in respect of preceding month.
Rule 45(5)(b)(viii)	Annual returns for 2015-16 of the mine has not been submitted to the Regional Controller of Mines, IBM, Raipur, which ought to have been Submitted in Form H-8 before 1 st July each year for the preceding Year.

(Name of inspecting officer with designation and date)

Rajesh Kumar Das, Senior Assistant Controller of Mines, Date of inspection-15.12.2016