

MCDR INSPECTION REPORT

General

S. N.	Particulars	Details
1	Name of the Mine, Date of Inspection, Inspecting Officer with Designation	Sahegaon limestone Mine, 22.05.2017, Rajesh Kumar Das, SrACOM (Inspection for Modified Mining Plan)
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	4.047 ha. (Private land)
3	Mine code	38MPR13022
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/6624/2011
5	Name of the lessee, Address, phone, email and fax number	M/S Ruprela Brothers, Sai Kripa, Arjun Nivas, Avni Vihar, Daldali seoni, Mowa, Raipur (C.G.), Pin-492007
6	Village	Sahegaon
7	Taluka/Mandal	Dhamda
8	District	Durg
9	Pincode	
10	State	Chhattisgarh
11	Post office	Dhamdha
12	Nearest police station	Dhamdha
13	Nearest Railway station	Durg
14	Date of Grant of Mining Lease	06.12.1981 for 20 Years and after renewal 06.12.2001
15	Date of Execution	06.12.1981
16	Date of opening of Mine	
17	Date of first Renewal, if applicable and its period & expiry	06.12.2001 Extent lease period 50 years upto 05.12.2031
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	Pooja Ruprella, M/S Ruprela Brothers, Sai Kripa, Arjun Nivas, Avni Vihar, Daldali seoni, Mowa, Raipur (C.G.), Pin-492007, phone-9300624127, e-mail-poojarj4477@gmail.com
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	No Manager and mine is non working
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri B.L.Prasad, Mining Engineer, M/S Ruprela Brothers, Sai Kripa, Arjun Nivas, Avni Vihar, Daldali seoni, Mowa, Raipur (C.G.), Pin-492007, phone-9300624127, e-mail-poojarj4477@gmail.com

24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	No Geologist
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan approved on 24.07.2002
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Last document approved on 19.10.2012 for period 2012-13 to 2016-17
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)	others
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	
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	
1e	Balance reserves as on 01.04.2017	In Category 111-0.21 million tons		
1f	General remarks of inspecting officer on geology, exploration etc.	The mining lease is more than 35 years old and mostly exposed due to mining upto 30 meters depth.		

Development

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Northern Part of lease area	Broadly as per proposal	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	NA	NA	Topsoil and OB is negligible
2c	Stripping ratio or ore to OB ratio	NA	NA	
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.	Development is very less w.r.t proposal		

Exploitation

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	one	one	
3b	Quantity of ROM mineral production proposed(Tons)	12000	1750	
3c	Recovery of salable/usable mineral from ROM production	Not mentioned specifically	100%	

3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	NA	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	NA	NA	Total ROM dispatch
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	NA	NA	
3j	Provision of drilling & blasting in mineral benches	yes	yes	Jackhammer drilling blasting
3k	Provision of mining machineries in mineral benches	yes	Excavator ,dumper,payloader	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	yes	3 meter bench height is proposed but some places height is more therefore proposal in current submitted document proposal is given to reduce bench height.	
3m	Total area covered under excavation/pits	3.52 ha	Broadly as per proposal	
3n	Ore to OB ratio for the pit/mine during the year	NA	NA	
3o	Total area put in use under different heads at the end of year	3.85 ha	3.75 ha.	
3p	Production of ROM mineral during last five-year period, as applicable(Tons)	60000	18630	
3q	General remarks of inspecting officer on method of mining etc.	The working is broadly as per proposal but development and production is very less w.r.t proposal.		

Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	NA	NA	No topsoil and waste generation
4b	Location of topsoil, OB & mineral reject dumps	NA	NA	
4c	Number of dumps within lease area and outside lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	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	NA	NA	
4i	Length of Retaining wall or garland drain all along dump	Nil	Nil	

4j	Number of settling ponds	NA	NA	
4k	Specific comments of inspecting officer on waste dump management	During the mine visit no major dump observed therefore no such comments on waste dump management.		

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	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 32)	NA	NA	Topsoil generation is nil
5d	Total area fully reclaimed & rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	The pit is exposed due to mining and some places it reaches ultimate pit limit but no waste generation for backfilling.		

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.	No	No such proposal given	
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)	i) 50 nos	i) Nil	

	iii) Method of rehabilitation			
6e	Compliance of Environmental monitoring (core zone & buffer zone)	NA	NA	
6f	General remarks of inspecting officer on PMCP compliance & progressive closure operations	There was no such proposal in PMCP except afforestation and no work done.		

Mineral Conservation

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NA	NA	
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	No beneficiation done within lease area and the total ROM dispatch Therefore no waste generation reported.		

Environment

S.N.	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	NA	
8b	Concurrent use or storage of topsoil	NA	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	
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 41)	NA	NA	
8g	Survival rate	Not mentioned specifically	NA	
8h	Water sprinkling on roads to control airborne dust	Yes proposed	Reported 10 Kl truck mounted water sprinkler is used for water sprinkling in haul road.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The quantity of mining is very low therefore no such adverse impact observed on aesthetic beauty due to mining.		

Compliance of Rule 45

S.N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	MR not submitted and AR for 2016-17 submitted		
S.N.	Item	Details GIVEN in	Observation of	Remarks

		A.R.	I/Officer	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining engineer detail given	Shri B.L.Prasad, Mining Engineer	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use pattern for area under pits-3.0 ha., waste disposal-0.2 ha.,Infrastructure-0.2 ha.		
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 on ROM stock and/or graded ore	2249 tons of limestone		
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Cost of production - 182 Rs & Ex-mine price-300 Rs		
9i	Scrutiny of Annual return on fixed assets	Nil		
9k	Scrutiny of Annual return on mining machineries	Truck & Air Compressor		

Details of violations observed during current inspection and compliance position of earlier violation pointed out:- The earlier violation was pointed out for non submission of notice and further follow up by show cause also issued but violation still not complied and as per Rule 45(7)(a) the violation has been referred to State govt. on 24.05.2017 with recommendation for further necessary action as per Rule.

The present inspection is carried out to process Modified Mining plan and no serious violation found.

(Rajesh Kumar Das, SrACOM, 24.07.2017)