

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
0	Inspecting officer & Date of inspection	B.L.Gurjar, DCOM 6/10/2016
1	Name of the Mine	JK Lakshmi Cement Limestone Mine
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	267.695 hect. (All Non-forest)
3	Minocode	38CHG05017
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/4816/2011
5	Name of the lessee, Address, phone, email and fax number	Name-JK Lakshmi Cement Ltd. Address-Nehru House ,4 th floor - Bahadur Shah Zafar Marg, New Delhi-110002, Phone- 01123311113, Email- blbhati@durg.jkmail.com
6	Village	Semriya, Nandini-Khundini, Ghikuria.
7	Taluka/Mandal	Dhamdha
8	District	Durg
9	Pincode	490036
10	State	Chhattisgarh
11	Post office	Ahiwara
12	Nearest police station	Nandini Nagar
13	Nearest Railway station	Durg
14	Date of Grant of Mining Lease	17/11/93
15	Date of Execution	19/07/94
16	Date of opening of Mine	01/07/11
17	Date of first Renewal, if applicable and its period & expiry	Date of Renewal :- 04/03/2015, Period :- 19/07/2014 to 18/07/2034.
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 Sushil Kumar Wali Address-Nehru House 4 , Bahadur Shah Zafar Marg, New Delhi-110002, Phone- 01123311112, Email- blbhati@durg.jkmail.com Date of Appointment :-06/11/2008

21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri D K Mehta Address :- JK Lakshmi Cement Ltd. Vill- Malpuri Khurd, Khasadih, PO- Ahiwara, Dist- Durg. Chhattisgarh-490036. Phone : 9752094049. Email : blbhati@durg.jkmail.com Date of Appointment :-01/02/12
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri B L Bhati Address :- JK Lakshmi Cement Ltd. Vill- Malpuri Khurd, Khasadih, PO- Ahiwara, Dist- Durg. Chhattisgarh-490036. Phone : 9752094049. Email : blbhati@durg.jkmail.com Date of Appointment :- 15/06/2009
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 Bhati Address :- JK Lakshmi Cement Ltd. Vill- Malpuri Khurd, Khasadih, PO- Ahiwara, Dist- Durg. Chhattisgarh-490036. Phone : 9752094049. Email : blbhati@durg.jkmail.com Date of Appointment :- 15/06/2009
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Shri V K Singh appointed as geologist and shri B L Bhati appointed as Mining Engineer under rule 42 Duties carried out as per rule 43,44.
25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Date of Modified Mining Plan :- 21/07/2016
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Not applicable
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	Mechanised
30	Captive/Non Captive	Captive for cement plant

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	Nil	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	13 Holes	Nil	Planning for current year 2016-17.
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 01.04.2016	90.414 million tonnes	92.669 Million tonnes.	
if	General remarks of inspecting officer on geology, exploration etc.	There has been no lacking in exploration.		

2.0 Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	At central part of lease area as shown in plan	As per proposals given in modified approved mining plan	
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Topsoil bench= Nil	Topsoil bench= Nil Overburden Bench= Nil Limestone Bench= 03 1 st Bench= 05-06 mtrs. 2 nd Bench = 09 mtrs. 3 rd Bench = 09 mtrs.	
2c	Stripping ratio or ore to OB ratio	Nil	Nil	Mining stated form outcrop.
2d	Quantity of topsoil generation in m3	Nil	Nil	
2e	Quantity of overburden generation in m3	Nil	Nil	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc	Mining commenced from proposed location .		

3.0 EXCAVATION

	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	One	One Pit	
3b	Quantity of ROM mineral production proposed	2.4 MT	14,48,333 tonnes	Dispatch 1523333 tonnes
3c	Recovery of salable/usable mineral from ROM production	99.00%	99.50%	
3d	Quantity of mineral reject generation	Nil	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 / Mechanised method adopted for segregating from ROM	Mechanized Method	Mechanized Method	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Chemical analysis of Bore hole sample	Chemical analysis done of Bore hole sample.	
3j	Provision of drilling & blasting in mineral benches	Deep hole Drilling & Blasting	Deep hole drilling & blasting is in practice. Spacing : 4 mtrs. Burden : 3 mtrs. Depth : 9 mtrs. Dia : 100 mm	
3k	Provision of mining machineries in mineral benches	Mechanized Mining	Mining is done with fully Mechanization with Back-hoe Tipper combination.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	09 meters	09 meters height is suitable for this method as per Mining Plan.	
3m	Total area covered under excavation/pits	10 hect.	5.36 hect	

3n	Ore to OB ratio for the pit/mine during the year	Nil	Nil	
3o	Total area put in use under different heads at the end of year	Pit- Waste/reject Others-	5.36 hect Nil 4.310 hect.	
3p	Production of ROM mineral during last five-year period, as applicable	Yr- 2014-15 (1.74 million tonnes) Yr-2015-16 (2.4 million tonnes)	4,37,418.65 tonnes 1448333.00 tonnes	
3q	General remarks of inspecting officer on method of mining etc.	Production from mines is in order.		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32, 33)	Nil	Nil	
b	Location of topsoil, OB & mineral reject dumps	Shwon in Plan	No top soil/ OB generated during the year 2015-16	
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)	Nil	Nil	
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	Nil	Nil	
4i	Length of Retaining wall or garland drain all along dump	Nil	Nil	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer	No deviation noticed		

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	Newly Opened Mines
5b	Area under backfilling of mined out area		NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)		NA	
5d	Total area fully reclaimed & rehabilitated		NA	
5e	General remarks of inspecting officer on backfilling, reclamation etc	No deviation noticed		

6.0 Progressive Mine Closure Plan

SN	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, Mining Lease is renewed in 2015.	.VL being issued.
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	Nil	This being a new mines area has not matured for reclamation and rehabilitation.	
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	nil	This being a new mines area has not matured for reclamation and rehabilitation.	

6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	2500 no afforestation by Plantation Nil Nil	3000 nos 1 Hect. Nil Nil	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Sapling station fixed in core zone and buffer zone.	Complied Core Zone:- Near Mines office. Buffer Zone:- 1. Hardi Village 2. Ghikuria Village 3. Nandini-Khundini 4. Pitora Village.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	EMP parameters are within limit. On lime monitoring station was working .		

7.0 Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Limestone to be dispatched.	ROM Mineral dispatched	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanical	Mechanical	
7c	Different grade of mineral sorted out at mines	No	No, Complete ROM is useable	
7d	Any beneficiation process at mines	no	no	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	There is no mineral conservation problem in mines		

8.0 Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	Newly Opened Mines
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	A few number of plant existed before mining operation started.	Total 54461 plants planted within lease and outside lease area.	
8g	Survival rate	70.00%	65%	
8h	Water sprinkling on roads to control airborne dust	To be Done with 01 Water Tanker.	Done with 02 Water Tanker.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	General aesthetic beauty in and around mines is good.		

9.0 Compliance of Rule 45

S	Item	COMMENTS		Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted on line upto – September 2016 A.R. submitted upto- Year-2015-16.		
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	Appointed		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given	Area under mining 5.0 ha , 3.3 ha for infra structure use and 1 ha rehabilitated.	
9d	Scrutiny of Annual return on afforestation	Given 3000 nos	Planted	
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	1448333 tonnes of production of limestone	
9f	Scrutiny of Annual return	Nil	Nil stocks	

	on ROM stock and/or graded ore			
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Total Production cost Rs 237per tonnes and direct cost 120/t for mining .	Used for captive purpose for own cement plant	
9i	Scrutiny of Annual return on fixed assets	Given	Given	
9k	Scrutiny of Annual return on mining machineries	Given	given	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:-
Violation of Rule 23 E(2) was found violated.

B.L.Gurjar
DCOM