

INDIAN BUREAU OF MINES
MINES CONTROL AND CONSERVATION OF MINERAL DIVISION

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MCDR INSPECTION REPORT
Jabalpur regional office

Mine file No : MP/STN/LST-207

Mine code : 38MPR35098

- (i) Name of the Inspecting Officer and ID No. : SQ21) GIRISH SHRIVASTAVA
(ii) Designation : Assistant Mining Geologis
(iii) Accompanying mine Official with Designation : *Shri K.P. Nigam, Agent*
(iv) Date of Inspection : 11-SEP-15
(v) Prev.inspection date : 05-JUN-10

PART-I : GENERAL INFORMATION

1. (a) Mine Name : BHATIA
(b) Category : A Fully Mechanised
(c) Type of Working : Opencast
(d) Postal address :
State : MADHYA PRADESH
District : SATNA
Village : BHATIA
Taluka : MAIHAR
Post office : BHATIA
Pin Code : 485771
FAX No. : 07674-232580
E-mail : snsahr@sancharnet.in
Phone : 07674- 232042, 232089
(e) Police Station :
(f) First opening date : 01-MAY-92
2. Address for correspondence : M/S KJS CEMENTS LTD.
VILLAGE -. AMALIA, P.O. MAIHAR
DIST. SATNA (M.P.) 485771
3. (a) Lease Number : MPR0615
(b) Lease area : 10.43
(c) Period of lease : 20
(d) Date of Expiry : ~~29~~-MAY-22
28
4. Mineral worked : LIMESTONE Main

5. Name and Address of the
 Lessee : KJS CEMENTS LTD.
 VILLAGE -. AMALIA, P.O.
 MAIHAR SATNA MADHYA
 PRADESH
 Phone:07674- 232042, 232089
 FAX :07674-232580
- Owner : KJS CEMENTS LTD.
 A-7, Maharanibag NEW DELHI
 SATNA MADHYA PRADESH
 Phone: NA
 FAX : NA
6. Date of approval of Mining : 27-AUG-13
 Plan/Scheme of Mining

PART - II : TECHNICAL DETAILS/COMMENTS

1. Details about Average employment :
 Maximum number of persons employed on any day during the year

Employment category	No.of employment	Av. yearly working days
DIRECT		
Managerial	1	103
Workers	19	103
Supervisory	1	103

2. Community Development Plan (in and around the mines) : Proposed action and expenditure towards socio-economic development.					
Action during the year	Expenditure in Rs. Lakhs for				Remarks
	previous year		current year		
	Proposed	Incurred	Proposed	Incurred	
General					
Sanitation	0.00	0.00	0.00	0.00	
Housing	0.00	0.00	0.00	0.00	
Health	0.00	0.00	0.00	0.00	
Water supply	0.00	0.00	0.00	0.00	
Safety	0.00	0.00	0.00	0.00	
Medical facility	0.00	0.00	0.00	0.00	
Sub total	0.00	0.00	0.00	0.00	
Infrastructure					
Electricity	0.00	0.00	0.00	0.00	
Public transport	0.00	0.00	0.00	0.00	
Communication	0.00	0.00	0.00	0.00	
Roads	0.00	0.00	0.00	0.00	
Sub total	0.00	0.00	0.00	0.00	
Employment	0.00	0.00	0.00	0.00	
Environment management	0.00	0.00	0.00	0.00	
Training	0.00	0.00	0.00	0.00	
Others	0.00	0.00	0.00	0.00	
Recreation	0.00	0.00	0.00	0.00	
Sports activities	0.00	0.00	0.00	0.00	
Total	0.00	0.00	0.00	0.00	

3. Status of compliance of MCDR, 1988, including therewith the rectification of the outstanding violation of rules.

During the previous inspection dt 05/06/10 ,violation of rule 12(3) was pointed out and after submission of SOM, it was considered as complied. During the current inspection, violation of rule 13(1),23E(2),42,45(5) (a) and (b) has been pointed out and communicated to the lessee on 2/12/15

4. A note on the justification in case of suspension of mining operation under rule 13(2) or prohibition of deployment of any person under rule 56 of MCDR, 1988, if recommended.

The suspension of mining operations under rule 13(2) or prohibition of deployment of any person under rule 56 of MCDR, 1988 is not recommended.

5. Scientific Mining

Items	Proposal	Actual work done	Remarks
A. Exploration (Rule 13)			
a.Type of prospecting and exploration i.e. pitting, drilling	: 14-15- no proposal	none	
b.Total area covered	: none	none	
B. Working (Rule 13)			
a.Number and size of each pit (LxWxH)	: one pit of 110mx50mx10m (in quarry-02)	The size of pit/quarry-02 is 110m x100m x 5-8m.	
c.Ore to waste ratio pit wise if possible otherwise for mine	: 1:0.34	1:0.12	
d.Total area covered under excavation/pits	: 0 .6 ha was proposed in pit-2	Total size of pit is about 1 ha .	
C. Waste disposal (Rule 13)			
a.Location of dumps	: backfilling of pit no 1,2,and3	dumps are kept along the pit no 2 (east and south side) ..	backfilling is not done as per proposal during 14-15 therefore violation of rule 13(1) is issued. for
e.Yearly generation of waste quantity.	: 14-15 -9630 Cum	4230 Cum	
b.Method of dumping whether advancing/retreat	: backfilling	none	Backfilling was not done therefore violation of rule 13(1) is issued.
c.Total area covered under waste dump.	: backfilling	<i>about</i> about external dumps - 0.25 ha	
d.No.and size of each waste dump with No of steps/lift/bench	: backfilling	dump no -01-120mx10-15mx2-3m dump no -02- 100mx10mx2m	
D. Production			
b.Year wise production of last five year.	: 14-15- 96300 tonnes	14-15- 96144 tonnes	
D. Reserve			
a.Reserve position as per latest MP/MS and at the time of inspection.	: proposal was 261670 tonnes	261840(111) 217560(122)	

RESERVE POSITION AS ON 01/04/2015

LIMESTONE		
Category	Quantity in Tonnes	Grade
Proved	261840	cement
Probable	217560	cemnet
Possible		
Total	479400	

PRODUCTION FOR THE PREVIOUS YEAR 2014 - 2015

Mineral	Production	Unit
LIMESTONE	96144	TON

6. Conservation of Mineral - both quantitative and qualitative

Beneficiation (Rule 20 and 26)

Efforts for improving low grade and sub grade mineral. : None.
 Efforts for improving percentage of recovery of ore. : None

Mineral Rule 15

Percentage of recovery of ore : 90% w.r.t. ROM pitwise w.r.t. ROM and total material
 Number of benches in ore and waste. : one bench in Ob and two bench in mineral waste.

Sub/grd mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade : None, No subgrade is generated so far.
 Number and size of each stack : None, No subgrade is generated so far.
 Location of stacking. : None, No subgrade is generated so far.
 Separate stacking from waste : None, No subgrade is generated so far.
 Total area covered for stacking : None, No subgrade is generated so far.

<u>Exploration data as on 31/03/ 2015</u>			
No. of Boreholes	No. of Pits	No. of Trenches	
<u>OVERBURDEN HANDLED DURING PREVIOUS YEAR 2014 - 2015</u>			
Overburden/waste removed (in m3) :			
<u>Utilisation of Sub Grade Mineral and Mineral Rejects</u>			
Generated	Utilised	Stacked	(In Ton.)

7. Environment Management - both quantitative and qualitativ

A. Land environment

- a. Landscape. : It is flat land having rolloing topography,slopping northernly.
- b. Aesthetic environment : Only small bushes are there.
- c. Soil and land use pattern : it is a private land having soil cover of 1-2.5m thickness.
- d. Agriculture : None
- e. Forest (flora and fauna) : None
- f. Vegetation : Small bushes are there.
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : there is no Public building, places and monuments (protected, historical), placec of worship and places of tourist.

B Water environment.

- a. Surface water : None
- b. Ground water : The ground water table varies between 25-30m below surface.
- c. Quality of water : water quality of tube well in nearby villages is potable.

C. Air environment

- a. Noise : The noise level is within the permissible limit.
- b. Air : no air pollution was obseved.
- c. Climatic condition : Sub-tropical

D. Socio economic environment

- a. Social and demographic profile. : The local habitats are from rural background with limited source of income and main occupation is agriculture, animal rearing and labours.
- b. Recommending health and safety. : None, Primary health facility is available in nearby villages.
- c. Human settlement : about 20 villages are there in the surrounding and population varies between 117 to 2089 .
- d. Recreational facility. : None

7.1 Comments on the steps taken by the lessee towards maintaining environment and monitoring of environmental parameters to ensure the qualitative improvement in the environment and ecology.

<u>Water Management</u>					
Season	Station type	Station name	Parameter	Value	
				Actual	Excess
<u>Air data for excess parameters</u>					
Season	Station name	Type of area	Parameter	Value	
				Actual	Excess

PLANTATION DURING THE PREVIOUS YEAR 2014 - 2015

Area in Hect.

TOP SOIL MANAGEMENT
Quantity as on 31/03/2015

8. Scrutiny of annual returns on cost of production, reserve, production, pit mouth value, stock, land use pattern and fixed assets.

The scrutiny of annual returns was carried out and communicated to the lessee under violation of rule 45(5)(b) .

PART - III : PERFORMANCE OF MINE OWNER
(In case of lease expiring within 2 years - as per guidelines)

a. Compliance of terms and conditions of lease deed.

The ML period is upto 28/05/22, therefore not applicable .

b. Compliance of the provisions of MCDR, 88 and advise given.

The ML period is upto 28/05/22, therefore not applicable .

c. Conduct with regard to adoption of safety measures and forest wealth, ecology and environment in the mining lease area.

The ML period is upto 28/05/22, therefore not applicable .

d. Whether the mine owner has carried out exploration and exploitation on the basis on surface mapping, pitting, trenching and core drilling taking in to consideration the mode of occurrences of mineral deposit.

The ML period is upto 28/05/22, therefore not applicable .

e. Whether production from mining area is commensurate with the reserves and the long term progress of utilization of mineral.

The ML period is upto 28/05/22, therefore not applicable .

f. Whether adequate investment has been made by the lessee on the development of mine on mining machinery, operational and administrative building, residential accommodation for the employees.

The ML period is upto 28/05/22, therefore not applicable .

g. Measures taken by the lessee for protection of environment and ecology.

The ML period is upto 28/05/22, therefore not applicable .

h. In case leases where the mineralisation tends to exhaust within the present period, the status of closing operation in phases and the special issues including human issues to be addressed at the time of closing of mine.

The ML period is upto 28/05/22, therefore not applicable .

PART - IV : PROPOSALS FOR FURTHER ACTION FOR :

Indian Bureau of Mines (any issue related to CGPB, SGPB, Assistance, Consultancy, Annual Programme and studies, etc.)

None

State Government (Illegal mining, mining dispute, infrastructure, Mineral based industry, Mineral policy, etc.)

None

The Central Government (Infrastructure, Development, Mineral policy and Legislation, Mineral based industry, etc.)

None

Date :