

**INDIAN BUREAU OF MINES
MINES CONTROL AND CONSERVATION OF MINERAL DIVISION**

MCDR INSPECTION REPORT

Jabalpur regional office

Mine file No : M.P./KTN/LST-122

Mine code : 38MPR47003

- (i) Name of the Inspecting : **C003**) **P.P.CHAKRABARTI**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 17-APR-13
- (v) Prev.inspection date : 20-JAN-10

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **AMEHTA (2.35 HA)**
- (b) Category : A Fully Mechanised
- (c) Type of Working : Opencast
- (d) Postal address
State : MADHYA PRADESH
District : KATNI
Village : AMEHTA
Taluka : VIJAY RAGHOGAD
Post office : KAHANGOW
Pin Code :
FAX No. : N. A.
E-mail : N. A.
Phone : N. A.
- (e) Police Station : VIJARAHHOGARH
- (f) First opening date : 24-JAN-81
2. Address for correspondence : M/S N.M.DUBASH STONE & LIME CO.PVT.LTD.
STATION ROAD, P.O. MAIHAR,
DIST. SATNA (M.P.) 485771
3. (a) Lease Number : MPR1997
- (b) Lease area : 2.35
- (c) Period of lease : 20
- (d) Date of Expiry : 19-AUG-21
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : N.M.DUBASH STONE & LIME CO.PVT.LTD.
 STATION ROAD P.O. MAIHAR
 SATNA MADHYA PRADESH
 Phone:N. A.
 FAX :N. A.

Owner : N.M.DUBASH STONE & LIME CO.PVT.LTD.
 STATION ROAD P.O. MAIHAR
 SATNA MADHYA PRADESH
 Phone: N. A.
 FAX : N. A.

Mining Engineer

Name : K.K.CHANDA, Full Time
 Qualification : DIPLOMA IN MINING AND MINE SURVEYING
 Appointment/ :
 Termination date

6. Date of approval of Mining : 07-OCT-11
 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	2	304
Supervisory	4	304
Others	15	304
Plant	5	304
Workers	20	304

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					
Water supply	0.50	0.50	0.50	0.50	
Health	0.15	0.15	0.15	0.25	
Safety	0.00	0.00	0.00	0.00	
Medical facility	0.05	0.05	0.05	0.05	
Housing	0.00	0.00	0.00	0.00	
Sanitation	0.00	0.00	0.00	0.00	
Sub total	0.70	0.70	0.70	0.80	
Infrastructure					
Electricity	0.00	0.00	0.00	0.00	
Public transport	0.00	0.00	0.00	0.00	
Roads	0.15	0.15	0.15	0.15	
Communication	0.00	0.00	0.00	0.00	
Sub total	0.15	0.15	0.70	0.15	
Training	0.40	0.40	0.40	0.40	
Sports activities	0.00	0.00	0.00	0.00	
Environment management	2.35	2.50	3.00	25.00	
Employment	0.00	0.00	0.00	0.00	
Recreation	0.00	0.00	0.10	0.50	
Total	3.60	3.75	4.35	26.85	

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

There is no action pending against any of these violations. After the current inspection the violations of Rules 13(1), 23E(2) & 27 of MCDR 1988 were observed and pointed out to the lessee on 09/05/2013 .

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.

Not recommended at this stage .

5. Scientific Mining

Items	Proposal	Actual work done	Remarks
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A. Exploration (Rule 13)

- a.Type of prospecting : Not proposed. Not done.
and exploration i.e.
pitting, drilling
- b.Total area covered : Not proposed. Not done.

B. Working (Rule 13)

- a.Number and size of : Proposal for 12- one pit, 60-90mx100-
each pit (LxWxH) 13, Working face advanced in 1.518
280m.x56m. so far.
ha. in north. The
0.78ha area will
be worked in south
and in depth..Soil
bench w&h= 6m.
each and ore bench
w & h=6m -7.5m
each.
- b.Bench : Proposal for 12- one pit, 60-90mx100-
size(LxWxH)length can 13, Working face advanced in 1.518
280m.x56m. so far.
be defined as
regular/irregular ha. in north. The
0.78ha area will
be worked in south
and in depth..Soil
bench w&h= 6m.
each and ore bench
w & h=6m -7.5m
each.
- c.Ore to waste ratio : 1:0.25 1:0.12
pit wise if possible
otherwise for mine
- d.Total area covered : PROPOSAL FOR 11- one pit, 60-90mx100-
under excavation/pits 12, Working face advanced in 1.518
280m= 1.42 ha. so far.
ha. in north as
well as in north
block of 0.78ha.

C. Waste disposal (Rule 13)

- a.Location of dumps : Out side the 0.60 ha.
lease area in 2
ha.
- e.Yearly generation : Soil=4050 m3 & 56000m3
of waste quantity. Waste=53896 m3
- b.Method of dumping : advancing. advancing.
whether
advancing/retreat
- c.Total area covered : Out side the 0.60 ha.
under waste dump. lease area in 2
ha.
- d.No.and size of each : Out side the 0.60 ha.
waste dump with No of lease area in 2
steps/lift/bench ha.

D. Production

b. Year wise production of last five year. : YR. 11-12= 130000T. 12-13=122000T. 13-14=126000T. & 14-15=98000 T. YR. 11-12= 141327T. & 12-13=53620T.

D. Reserve

a. Reserve position as : 310878 310878 T. -
 per latest MP/MS and T. - { (Yr. 11-12, { (Yr. 11-12,
 at the time of 12, 141327)+(Yr.12-13, 53620
 inspection. 130000)+(Yr.12-13, T)} = 194947 T.
 122000 T)} = 58878
 T.

RESERVE POSITION AS ON 01/04/2013

LIMESTONE		
Category	Quantity in Tonnes	Grade
Proved	245008	SMS BF& CEMENT GRADE.
Probable	0	
Possible	0	
Total	245008	GRADE.

PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013

Mineral	Production	Unit
LIMESTONE	141327	TON

6. Conservation of Mineral - both quantitative and qualitative**Beneficiation (Rule 20 and 26)**

Efforts for improving low grade and sub grade mineral : Not applicable.

Efforts for improving percentage of recovery of ore : Manual sorting & sizing is carried out.

Mineral Rule 15

Percentage of recovery of ore pitwise w.r.t. ROM and total material : 85% wrt ROM.

Number of benches in ore and waste : 2 benches in o/b & 5 benches in mineral.

Sub/grd mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade : Not applicable.

Number and size of each stack : Not applicable.

Location of stacking : Not applicable.

Separate stacking from waste : Sub grade mineral not generated.

Total area covered for stacking : Not applicable.

Exploration data as on 31/03/ 2013

No. of Boreholes	No. of Pits	No. of Trenches
0	0	0

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2012 - 2013

Overburden/waste removed (in m3) :	56000
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Utilisation of Sub Grade Mineral and Mineral Rejects

Generated	Utilised	Stacked	(In Ton.)

7. Environment Management - both quantitative and qualitativ

A. Land environment

- a. Landscape. : Almost flat mining area.
- b. Aesthetic environment : Barren landscape with pit.
- c. Soil and land use pattern : About 5-6m. soil present in the lease area .waste mining land
- d. Agriculture : None in the lease area.
- e. Forest(flora and fauna) : None in the lease area.
- f. Vegetation : None in the lease area.
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : None in the lease area.

B Water environment.

- a. Surface water : There is no nala, river etc within the lease.
- b. Ground water : General water table is 8 to 10 m below ground level and goes down to 12m during summer.The maximum depth of existing pit is 56m.,
- c. Quality of water : The quality of water is good and is drinkable.

C. Air environment

- a. Noise : The parameters are within permissible limit.
- b. Air : The parameters are within permissible limit.
- c. Climatic condition : The climatic condition is tropical. In summer temperature goes to 47degree and in winter the temperature goes down to 8degree.

D. Socio economic environment

- a. Social and demographic profile. : The region is backward poor area. Main economic activity is agriculture. Employment provided to nearby villagers. Sever unemployment problem exists. Literacy rate is low. Standard of living is very poor
- b. Recommending health and safety. : Company is taking care & having medical facility to help the workers .
- c. Human settlement : Not within lease area.
- d. Recreational facility. : There is no any recreational facility with in the buffer zone.

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

<u>PLANTATION DURING THE PREVIOUS YEAR</u>			<u>2012 - 2013</u>			Area in Hect.
Within lease area			Outside lease area			
<u>Area</u>	<u>Trees planted</u>	<u>Survival rate</u>	<u>Area</u>	<u>Trees planted</u>	<u>Survival rate</u>	
.03	125	80	0	0	0	

<u>TOP SOIL MANAGEMENT</u>
Quantity as on 31/03/2013

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

Production 11-12, 1,41,327 T. Stock nil,

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.

Lease not expiring within two years hence not applicable.

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

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

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.

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

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.

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

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.

PART - IV : PROPOSALS FOR FURTHER ACTION FOR :

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

Nil.

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

Nil.

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

Nil.

Date :

(P.P.CHAKRABARTI)

Indian Bureau of Mines