

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

MCDR INSPECTION REPORT

Jabalpur regional office

Mine file No : MP/KTN/LST-114

Mine code : 38MPR18111

- (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 : 16-APR-13
- (v) Prev.inspection date : 17-MAR-11

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MEHGAON**
- (b) Category : A Fully Mechanised
- (c) Type of Working : Opencast
- (d) Postal address
State : MADHYA PRADESH
District : KATNI
Village : MEHGAON, DEOSARI
Taluka : VIJAYRAGHAVGARH
Post office : KAMORE
Pin Code : 483880
FAX No. : N. A.
E-mail : N. A.
Phone : N. A.
- (e) Police Station :
- (f) First opening date : 15-MAR-89
2. Address for : ACC Limited
correspondance P.O. KYMORE, VIA JUKEHI
DIST. KATNI (M.P.) 483501
3. (a) Lease Number :
(b) Lease area :
(c) Period of lease :
(d) Date of Expiry :
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : ACC Limited
 P.O. KYMORE VIA JUKEHI
 KATNI MADHYA PRADESH
 Phone:N. A.
 FAX :N. A.

Owner : ACC Limited
 P.O. KYMORE VIA JUKEHI
 KATNI MADHYA PRADESH
 Phone: N. A.
 FAX : N. A.

6. Date of approval of Mining :
 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	365
Plant	7	365
Workers	8	365
Supervisory	1	365

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	
Health	0.00	0.00	0.00	0.00	
Housing	1.00	2.00	1.40		
Water supply	4.00	4.00	2.80		
Medical facility	8.00	10.00	6.50		
Safety	10.00	12.00	11.70		
Sub total	23.00	28.00	22.40	0.00	
Infrastructure					
Roads	2.00	2.00	1.80		
Communication	4.00	5.00	3.60		
Electricity	20.00	18.00	18.60		
Public transport	1.00	1.00	0.80		
Sub total	27.00	26.00	28.00		
Sports activities	0.00	0.00	0.00		
Recreation	4.00	4.00	5.00		
Training	0.00	0.00	0.00	0.00	
Environment management	8.00	8.00	9.50		
Others	0.00	0.00	0.00	0.00	
Employment	0.00	0.00	0.00	0.00	
Total	62.00	60.40	67.30	0.00	

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

The current inspection no violation of rules was observed.

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.

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

5. Scientific Mining

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

a.Type of prospecting : No proposal of exploration during the year and in the next five years. Not done.

b.Total area covered : No proposal of exploration during the year and in the next five years. Not done.

B. Working (Rule 13)

a.Number and size of each pit (LxWxH) : Total =3.45 ha. and total depth= 50m. 3 pits, (i)900m.x400m.x50m. (Old pit working.) (ii)760m.x440m.x37m. (New pit working) &(iii)320m.x320m.x32m(Deosari pit. working)so far.

b.Bench size(LxWxH)length can be defined as regular/irregular : 3 working pit , There are 5 benches, height, 9m each. 3 pits, (i) 5 ore benches, h=9m. & w= 12m. (Old pit working.) (ii) 4 ore benches, h=8m &w=12m. (New pit working) (iii)3 ore benches, h=9m. &w=12m.(Deosari pit. working) so far.

c.Ore to waste ratio : 1:0.489 pit wise if possible otherwise for mine 1:0.489

d.Total area covered : Total =3.45 ha. under excavation/pits 3 pits, (i) 900m.x400m=36ha. (Old pit working.) (ii)760m.x440m=33.44 ha.(New pit working) & (iii)320m.x320m=10.24 ha.(Deosari pit. working) so far.

C. Waste disposal (Rule 13)

a.Location of dumps : Not proposed. Backfilling.

e.Yearly generation of waste quantity : 15.08 lakh T. 10.05 Lakh m3 of waste quantity.

b.Method of dumping : Not proposed. Backfilling.

whether :
advancing/retreat

c.Total area covered : Not proposed. Backfilling.
under waste dump.

d.No.and size of each : Not proposed. Backfilling.
waste dump with No of
steps/lift/bench

D. Production

b.Year wise : 2011-12, 1st. 2011-12, 1st. 2578000 T.
production of last 2970000 T. & 2012- & 2012-13, 1st.
five year. 13, 1st. 2970000 2778811 T.
T.

D. Reserve

a.Reserve position as : 33401000.00 - 33401000.00 - (11-
per latest MP/MS and (11-12, 2970000 + 12, 2578000 + 12-13,
at the time of 12-13, 2778811)=28044189 T.
inspection. 2970000)=27461000
T.

RESERVE POSITION AS ON 01/04/2013

LIMESTONE		
Category	Quantity in Tonnes	Grade
Proved	33401000	cement grade.
Probable	0	
Possible	0	
Total	33401000	cement grade.

PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013

Mineral	Production	Unit
LIMESTONE	2778811	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 and sizing.

Mineral Rule 15

Percentage of recovery of ore pitwise w.r.t. ROM and total material : 100%

Number of benches in ore and waste : 1 in ob & 5 in ore.

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 : Not applicable.

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) :	1005000
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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. : Flat & rolling topography.
- b. Aesthetic environment : Fair, area is surrounded by plain & agriculture land.
- c. Soil and land use pattern : Soil cover is present.
- d. Agriculture : Some agriculture land within lease area.
- e. Forest(flora and fauna) : Not within the lease area.
- f. Vegetation : Few trees within the lease area and plantation done by lessee.
- h. Public building, places and monuments (protected, historical), place of worship and places of tourist : None.

B Water environment.

- a. Surface water : There is no nala, river etc within the lease.
- b. Ground water : Ground water at depth 343mRl.
- 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. : 3 villages within 3km. population average 1000 heads.
- b. Recommending health and safety. : Company is taking care & having medical facility to help the workers & village people.
- c. Human settlement : Kalehra, Bamangaon, Barari.
- d. Recreational facility. : Company organizing different cultural programmes & other activities etc.

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 2012 - 2013

Within lease area			Outside lease area			Area in Hect.
Area	Trees planted	Survival rate	Area	Trees planted	Survival rate	
.5	500	88	205	5200	8.5	

TOP SOIL MANAGEMENT

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 30.80 lakht., stock nil. Cost of operation 101.84 rs/t .not appl. PMV.
Land use pit 260.09ha,
water reservoir 154.37 ha, plantation 49.71ha, , plant building, 97.95 ha. Roads
13.52ha
Total area planted 119.9ha plants 3,04,800. 2012-13 area 0.5 ha. 500 saplings re
plantation.

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