

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/LST/KPT/MCDR-1/BBS

Mine code : 38ORI09006

- (i) Name of the Inspecting : **25**) **SHRI IBRAHIM SARIF**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri J Naga Chandra Mouli, Mines manager
Official with
Designation
- (iv) Date of Inspection : 22/05/2015
- (v) Prev.inspection date : 24/02/2013

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **AMPAVALLI**
- (b) Category : A Mechanised
- (c) Type of Working : Opencast
- (d) Postal address
State : ORISSA
District : KORAPUT
Village :
Taluka :
Post office :
Pin Code :
FAX No. : 06853-251375
E-mail :
Phone : 09849982184
- (e) Police Station :
- (f) First opening date : 16/08/1993
2. Address for : AT/PO: AMPAVALLI
correspondance : DIST:KORAPUT, ORISSA
764 039
3. (a) Lease Number : ORI0216
(b) Lease area : 285.43
(c) Period of lease : 20
(d) Date of Expiry : 15/08/2013
4. Mineral worked : LIMESTONE Main

5. Name and Address of the
 Lessee : IDCOL CEMENT LTD
 CEMENT NAGAR POST BARDOL
 BARGARH ORISSA
 Phone:06646- 30091,92,93,94
 FAX :06646- 30430
- Owner : M/s IDCOL
 IDCOLPost Box No. 78,
 IDCOL House Ashok Nagar,
 Bhubaneswar- 751 001
 KORAPUT ORISSA
 Phone: 09849982184
 FAX : 06853-251 375
6. Date of approval of Mining : 24/01/2014
 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	82
Supervisory	2	82
CONTRACT		
Others	1	82
Workers	36	82
Supervisory	6	82

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					
Infrastructure					
Sub total					
Sub total					
Total					

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

there was no outstanding violations

violation of rule 13 (1), 33(2) and 42(1)(c)(i) of MCDR 1988 has been pointed out to the party vide this office letter dated 09.06.2015.

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 at present

5. Scientific Mining

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

a.Type of prospecting : 2013-14, 4 NO.OF NIL
and exploration i.e. BORE HOLES IN BAND
pitting, drilling NO-42
2014-15 3 NO. OF
BORE HOLES IN BAND
NO. 16

B. Working (Rule 13)

a.Number and size of : Q-1, 240 x 105 x 9
each pit (LxWxH) Q-2, 360 x 202 x 28
Q-3, 120 x 52 x 8

b.Bench : 5 x 5 regular 5 x 5 regular
size(LxWxH)length can
be defined as
regular/irregular

c.Ore to waste ratio : 1:0.05 NIL
pit wise if possible
otherwise for mine

C. Waste disposal (Rule 13)

a.Location of dumps : 940S-1020S & 940S-1020S & 1300W-1410W
1300W-1410W

d.No.and size of each : 1 no. height of 1 no. Dump D-1, 100 x 96
waste dump with No of 9 meters x 5
steps/lift/bench

b.Method of dumping : advancing advancing
whether
advancing/retreat

c.Total area covered : 1.767 ha 0.967 ha
under waste dump.

D. Production

b.Year wise : 2010-11 : 700264 2010-11 : 169550 MT
production of last MT 2011-12 : 180900 MT
five year. 2011-12 : 801618 2012-13 : NIL
MT 2013-14 : NIL
2012-13 : 900804 2014-15 : 29150 MT
MT
2013-14 : 1001074
MT
2014-15 : 250031
MT

D. Reserve

a.Reserve position as : Proved Reserves :
per latest MP/MS and 61960841 MT
at the time of Probable reserves :
inspection. 4826510 MT

RESERVE POSITION AS ON 01/04/2015**LIMESTONE**

Category	Quantity in Tonnes	Grade
Proved	61960841	42% CAO
Probable	4826510	42% CAO
Possible		
Total	66787351	42% CAO

PRODUCTION FOR THE PREVIOUS YEAR 2014 - 2015

Mineral	Production	Unit
LIMESTONE	29150	TON

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

Efforts for improving low grade and sub grade mineral. : Manual sorting and sizing for blending with high grade ore

Mineral Rule 15

Percentage of recovery of ore pitwise w.r.t. ROM and total material : 80%

Number of benches in ore and waste. : 4 nos in Ore, 1 in waste

Sub/grd mineral/fines (Rule16)

Total area covered for stacking : 0.5 Ha

Location of stacking. : near Q-3

Separate stacking from waste : Yes

Exploration data as on 31/03/ 2015

No. of Boreholes	No. of Pits	No. of Trenches
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OVERBURDEN HANDLED DURING PREVIOUS YEAR 2014 - 2015**Utilisation of Sub Grade Mineral and Mineral Rejects**

Generated	Utilised	Stacked	(In Ton.)
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7. Environment Management - both quantitative and qualitativ

A. Land environment

- b. Aesthetic environment : plantation with 5400 no of sappling along slopes of waste dump and along safety zone of the lease area has been carried out to improve aesthetic beauty
- c. Soil and land use pattern : Degraded land by pit 10.9 Ha
Degraded land by dump 0.84 Ha
Degraded land by road 1.68 Ha
- d. Agriculture : In the intermountain valleys and other areas, the crop land exists as small patches. The mining operation does not affect any agricultural land inside or outside the lease hold area
- e. Forest(flora and fauna) : The lease area is of non forest land
- f. Vegetation : There is no prominent vegetation within mining activity area.
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : No public building and monuments present in & around lease area

B Water environment.

- a. Surface water : There exist pedageda nalla passing through the lease area. Retaining wall along bottom periphery of waste dump yard, garland drain and settling pit is maintained by the lessee to prevent surface run-off in to the nala.
- b. Ground water : Mine workings have not reached up to ground water table. As per study the water table is exist below 10 mts of bottom level of mine
- c. Quality of water : potable

C. Air environment

- a. Noise : Quaterly monitoring of noise is being carried out & results are within permissible limit,
- b. Air : Quaterly monitoring of air is being carried out & are within permissible limit, dust generation due to running of tippers will be suppress by water sprinkling arrangement
- c. Climatic condition : moderate

D. Socio economic environment

- a. Social and demographic profile. : The area has primarily non-forest land consisting of agriculture and waste land. Most of the smaller villages and hamlets are of tribals & backward class, their main source of income is agriculture. Substantial no. of near by village peoples are employed in the mine as well as cement plant existing adjacent to the mine.
- b. Recommending health and : Free medical treatment to the local people &

safety.

employees and ambulance facilities has been provided by the lessee.

c. Human settlement : No human settlement exist within lease area

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>2014 - 2015</u>
		Area in Hect.

<u>TOP SOIL MANAGEMENT</u>	
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.

1. Cost of Production: Rs. 288.00

2. Production: 29150 MT

3. Reserves and Resources estimated at the end of the year

Classification	Code	Quantity	Grade
Probable Mineral Reserve	121 and 122	75427179.000	+35-42% CaO
Prefeasibility Mineral Resource	221 and 222	5975312.000	+35-42% CaO

4. Lease area (surface area) utilisation as at the end of year (in hectares)

	Area
(i) Already exploited & abandoned by opencast (O/C)	mining
0	
(ii) Covered under current (O/C) workings	10.9
(iii) Reclaimed/rehabilitated	0
(iv) Used for waste disposal	0
(v) Occupied by plant, buildings, residential, welfare buildings & roads	2.18
(vi) Used for any other purpose (specify)	0
(vii) Work done under progressive mine closure plan during the year	0

5. Value of Fixed Assets* (In Respect to the mine, beneficiation plant, mine, workshop, power and water installation)

Rs.2000000.00

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PART - III : PERFORMANCE OF MINE OWNER

(In case of lease expiring within 2 years - as per guidelines)

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 :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines