

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/LST-DOL/SNG/MCDR-5/BBS

Mine code : 38ORI13008

- (i) Name of the Inspecting : **SQ24**) **DR. M K SOMANI**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : S/SH. SIRISH KR. HEMBRAM, M M & M. E. ,SAROJ DAS, GEO
Official with
Designation
- (iv) Date of Inspection : 04/06/2013
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **JAURAMUNDA KULENBAHAL**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
State : ORISSA
District : SUNDARGARH
Village : KULEMBAHAL
Taluka : RAJGANGPUR
Post office : KATKURBAHAL
Pin Code :
FAX No. :
E-mail :
Phone :
- (e) Police Station :
- (f) First opening date :
2. Address for : VILL-JAURAMUNDA
correspondance PO-KHATKURBAHAL
DIST-SUNDERGARH
3. (a) Lease Number : ORI0019
(b) Lease area : 150
(c) Period of lease : 20
(d) Date of Expiry : 29/06/2000
4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the

Lessee : M/s Rungta Sons (P) Ltd
 Rungta House P.O.
 Chaisabasa SINGHBHUM
 (WEST) JHARKHAND
 Phone:(06582) 56861/56761
 FAX :91 6582 56442

Owner : RUNGTA SONS (P) LTD.
 RUNGTA HOUSE CHAIBASA
 SINGHBHUM (WEST) JHARKHAND
 Phone: 06582-56861,567
 FAX : 91-6582-56442

6. Date of approval of Mining : 22/06/2011
 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	304
Workers	0	
Supervisory	0	

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.

VIOLATION FOR NOT SUBMITTING TEMPORARY DISCONTINANCE NOTICE IS BEING ISSUED.

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.

5. Scientific Mining

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

a.Type of prospecting : 22 nos. of non- and exploration i.e. core holes were pitting, drilling proposed		Nil, The mine is not working since long for want of statutory clearances.	
b.Total area covered : N A		Nil, The mine is not working since long for want of statutory clearances.	

B. Working (Rule 13)

a.Number and size of : each pit (LxWxH)		Nil, The mine is not working since long for want of statutory clearances.	
b.Bench : 6*6m, regular size(LxWxH) length can be defined as regular/irregular		4*3 regular	
c.Ore to waste ratio : 1 : 0.17 pit wise if possible otherwise for mine		Nil, The mine is not working since long for want of statutory clearances.	
d.Total area covered : 6.039 ha. (At the under excavation/pits end of the scheme period)		1.5 ha	

C. Waste disposal (Rule 13)

a.Location of dumps : Dump I - 400N,100E Dump-II-100S,400E		Nil, The mine is not working since long for want of statutory clearances. however so far 42000 m3 OB has so far been generated.	
e.Yearly generation of waste quantity. : 58760cum		Nil, The mine is not working since long for want of statutory clearances.	
b.Method of dumping : Advancing whether advancing/retreat		Nil, The mine is not working since long for want of statutory clearances. however so far 42000 m3 OB has so far been generated.	
c.Total area covered : 2 dumps of under waste dump. : 292x130x40m & 216x100x32m in dimension		Nil, The mine is not working since long for want of statutory clearances. however so far 42000 m3 OB has so	

d.No.and size of each : Two dumps of
waste dump with No of 3.809ha and 2.33
steps/lift/bench ha . 2 dumps of
292x130x40m &
216x100x32m in
dimension

far been generated and
stacked on 1.5 ha area
upto a height of 4.00m.

Nil, The mine is not
working since long for
want of statutory
clearances. however so
far 42000 m3 OB has so
far been generated and
stacked on 1.5 ha area
upto a height of 4.00m.

D. Production

b.Year wise : 12-13
production of last L.stone - 150179
five year. MT
Dolomite - 120136
MT
13-14
L.Stone -150320 MT
Dolomite -120100
MT

Nil, The mine is not
working since long for
want of statutory
clearances.

D. Reserve

a.Reserve position as :
per latest MP/MS and
at the time of
inspection.

(ii) Reserves of
Limestone: The
Geological Reserves are
as under:

Proved - 2527475 MT
Probable -2498362.5 MT
Remaining resources -
1253537.5MT

Reserves of Dolomite:
The Geological Reserves
are as under:

Proved - 1279369 MT
Probable -1910987MT
Remaining resources -
945659MT

RESERVE POSITION AS ON 01/04/2013

LIMESTONE		
Category	Quantity in Tonnes	Grade
Proved	2527475	+35% CaO
Probable	2498362	+35% CaO
Possible	1253537	+35% CaO
Total	6279374	+35% CaO

DOLOMITE		
Category	Quantity in Tonnes	Grade
Proved	1279369	+15% MgO
Probable	1910987	+15% MgO
Possible	945659	+15% MgO
Total	4136015	+15% MgO

PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013

Mineral	Production	Unit
DOLOMITE	0	TON
LIMESTONE	0	TON

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

Efforts for improving low grade and sub grade mineral. : Nil, The mine is not working since long for want of statutory clearances.

Efforts for improving percentage of recovery of ore. : Nil, The mine is not working since long for want of statutory clearances.

Mineral Rule 15

Percentage of recovery of ore pitwise w.r.t. ROM and total material : Nil, The mine is not working since long for want of statutory clearances.

Number of benches in ore and waste. : ONE IN O.B. AND ONE IN ORE

Sub/grd mineral/fines (Rule16)

Qty of yearly generation and total qty available during inspection with grade : Nil, The mine is not working since long for want of statutory clearances.

Number and size of each stack : Nil, The mine is not working since long for want of statutory clearances.

Location of stacking. : Nil, The mine is not working since long for want of statutory clearances.

Separate stacking from waste : Nil, The mine is not working since long for want of statutory clearances.

Total area covered for stacking : Nil, The mine is not working since long for want of statutory clearances.

Exploration data as on 31/03/ 2013

No. of Boreholes	No. of Pits	No. of Trenches
28		
0		

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2012 - 2013

Overburden/waste removed (in m3) :	0
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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. : The lease area is GENTLY SLOPING terrain with occasional mounds with highest RL at 244 m & lowest at 232 m.
- b. Aesthetic environment : The total lease area consists of totally non-forest land
- c. Soil and land use pattern : Out of total area of 150.00 ha, the broken up area is 3.58 Ha.
- d. Agriculture : Mainly the area consists of waste land.
- e. Forest (flora and fauna) : Common birds and animals are found.
- f. Vegetation : Mainly bushes and shrubs are found.
- h. Public building, places and monuments (protected, historical), places of worship and places of tourist : Nil

B Water environment.

- a. Surface water : The nearest surface water source is Barijharan nalah which flows within the mining lease area.
- b. Ground water : Source of ground water in the area is dug well & tube wells.
- c. Quality of water : The ground water is suitable for drinking and domestic use.

C. Air environment

- a. Noise : The noise level is under prescribed limit. The mine is not working since long for want of statutory clearances.
- b. Air : Nil, The mine is not working since long for want of statutory clearances.
- c. Climatic condition : Temperature: The maximum temperature goes upto 45°C in the month of May and it falls down upto 50°C in the month of December.
Relative Humidity: During summer, the humidity ranges between 51% to 56%, in monsoon the humidity ranges between 70% to 83% and in winter, the humidity ranges between 62% to 64%.
Rainfall : The average annual rainfall is 1450 mm. The maximum precipitation occurs in July and August.

D. Socio economic environment

- a. Social and demographic profile. : The nearby villagers depend upon mainly agriculture,
- b. Recommending health and safety. : Medical facilities are available at Rajgangpur. The remote villages are covered by mobile unit of the health department of state & central govt.
- c. Human settlement : Density of population is low.
- 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

<u>PLANTATION DURING THE PREVIOUS YEAR</u>	<u>2012 - 2013</u>	Area in Hect.
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<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.

(i) Cost of operation Nil

(ii) Reserves of Limestone: The Geological Reserves are as under:

Proved - 2527475 MT

Probable -2498362.5 MT

Remaining resources -1253537.5MT

Reserves of Dolomite: The Geological Reserves are as under:

Proved - 1279369 MT

Probable -1910987MT

Remaining resources -945659MT

(iii) Production Nil.

(iv) Pit Mouth Value Nil

(v) Stock 676.738MT (Limestone) and 639.711MT(dolomite)

(vi) Fixed Asset : Nil

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 :

(DR. M K SOMANI)

Indian Bureau of Mines