

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

**MCDR INSPECTION REPORT**

**Bhubaneshwar regional office**

**Mine file No :** ORI/MN/SNG/MCDR-3/BBS

**Mine code :** 40ORI13010

- (i) Name of the Inspecting : **AR** ) **SHRI PREM PRAKASH**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sri Randhir Kumar, Mining Engineer  
Official with  
Designation
- (iv) Date of Inspection : 22/06/2013
- (v) Prev.inspection date : 19/07/2012

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **KOLMONG**
- (b) Category : A Manual
- (c) Type of Working : Opencast
- (d) Postal address  
State : ORISSA  
District : SUNDARGARH  
Village : KOLMONG  
Taluka : BONAI  
Post office : MALDA  
Pin Code :  
FAX No. :  
E-mail :  
Phone :
- (e) Police Station :
- (f) First opening date : 01/09/1939
2. Address for : KOLMONG MANGANESE MINE  
correspondance VILL-KOLMONG, PO-KOIRA  
DIST-SUNDERGARH
3. (a) Lease Number : ORI0197  
(b) Lease area : 218.83  
(c) Period of lease : 20  
(d) Date of Expiry : 31/12/1999
4. Mineral worked : MANGANESE ORE Main

## 5. Name and Address of the

Lessee : Rungta Mines Ltd  
Rungta House P.O.Chaibasa  
SINGHBHUM (WEST) JHARKHAND  
Phone:06582-56461,56561,56661,56761  
FAX :91-6582-56442

Owner : M/S Rungta Mines Ltd  
M/S Rungta Mines Ltd Rungta  
House At P.O.Chaibasa  
SINGHBHUM (WEST) JHARKHAND  
Phone: 06582- 56461,56  
FAX : 91- 6582 - 5644

Agent : D.R.OJHA  
C/O BICO LTD AT O.P.BARBIL  
KEONJHAR ORISSA  
Phone: 06596-62321,62221  
FAX :

## Mining Engineer

Name : D.K.SAHA, Full Time  
Qualification : DEGREE IN MINING (AMIE)  
Appointment/ : 20/12/2000  
Termination date

## Geologist

Name : H.MAZUMDER, Full Time  
Qualification : MSC(GEO)  
Appointment/ : 01/01/1986  
Termination date

6. Date of approval of Mining : 08/06/2010  
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**

<b>Employment category</b>	<b>No.of employment</b>	<b>Av. yearly working days</b>
<b>DIRECT</b>		
<b>Managerial</b>	<b>3</b>	<b>307</b>
<b>Others</b>	<b>13</b>	<b>307</b>
<b>Workers</b>	<b>17</b>	<b>307</b>
<b>Supervisory</b>	<b>4</b>	<b>307</b>

**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	
<b>General</b>					
Water supply	0.00	0.00	6.65	0.00	
Sanitation	0.00	0.00	2.10	0.00	
Safety	0.45	0.45	2.35	0.45	
<b>Sub total</b>	<b>0.45</b>	<b>0.45</b>	<b>11.10</b>	<b>0.45</b>	
<b>Infrastructure</b>					
Public transport	5.30	10.60	5.30	5.30	
<b>Sub total</b>	<b>5.30</b>	<b>10.60</b>	<b>0.45</b>	<b>5.30</b>	
<b>Employment</b>	<b>0.00</b>	<b>0.60</b>	<b>0.00</b>	<b>0.00</b>	
<b>Recreation</b>	<b>5.35</b>	<b>0.20</b>	<b>5.35</b>	<b>5.35</b>	
<b>Training</b>	<b>0.30</b>	<b>0.50</b>	<b>0.30</b>	<b>0.30</b>	
<b>Environment management</b>	<b>1.16</b>	<b>1.40</b>	<b>1.16</b>	<b>1.16</b>	
<b>Total</b>	<b>12.56</b>	<b>24.40</b>	<b>12.56</b>	<b>12.56</b>	

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

No outstanding violation. During this inspection, violations of Rule 13 (1) of MCDR'88 were observed and pointed out to the party vide this office letter of even no., dated 17.07.2013.

**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 present.

## 5. Scientific Mining

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

a.Type of prospecting : Nil  
and exploration i.e.  
pitting, drilling

31 DTH B/Hs

**B. Working (Rule 13)**

b.Bench : Bench Ht.-3-6m ,  
size(LxWxH)length can width-8-9m,  
be defined as Regular  
regular/irregular

Bench Ht.-3-6m , width-  
8-9m, regular

c.Ore to waste ratio : 1:5.44  
pit wise if possible  
otherwise for mine

1:17.82

a.Number and size of : 04 pits- New pit,  
each pit (LxWxH) Qry 6&7,  
Dhandhariya Pit &  
Magazine pit.

04 pits- New pit, Qry  
6&7, Dhandhariya Pit &  
Magazine pit.

d.Total area covered : Not specified for  
under excavation/pits particular year;  
43.678 Ha (upto  
2014-15)

34.5 Ha approx (upto  
2012-13)

**C. Waste disposal (Rule 13)**

a.Location of dumps : Dump-D1-S300 &  
E200  
Dump-D2-N600 &  
E700  
Dump-D3-N400 &  
E1200

Dump-D1-S300 & E200  
Dump-D2-N600 & E700  
Dump-D3-N400 & E1200

b.Method of dumping : retreating  
whether  
advancing/retreat

retreating

c.Total area covered : 11.0 (at the end  
under waste dump. of 2014-15)

7.5 ha approx

e.Yearly generation : 298802 m3  
of waste quantity.

103956.5 m3

**RESERVE POSITION AS ON 01/04/2013****PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013**

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

Efforts for improving low grade and sub grade mineral. : Blending

Efforts for improving percentage of recovery of ore. : Manual dressing, sizing& sorting of ore.

**Mineral Rule 15**

Percentage of recovery of ore : Overall recovery of ore is about 5% during this year. pitwise w.r.t. ROM and total material

Number of benches in ore and waste. : New pit : 13 benches contains ROM mixed with waste  
Dhanaria pit : 06 benches contains ROM mixed with waste  
Magazine pit : 04 benches contains ROM mixed with waste  
Qry 6&7 : 05 benches contains ROM mixed with waste

**Sub/grd mineral/fines (Rule16)**

Qty of yearly generation and total qty available during inspection with grade : Blended with high grade ore.

Number and size of each stack : NA

Location of stacking. : NA

Separate stacking from waste : Yes, Stacked temporarily. Low grade Mn ore generated during mining is used for blending with high grade ore.

Total area covered for stacking : NA

**Exploration data as on 31/03/ 2013**

No. of Boreholes	No. of Pits	No. of Trenches
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**OVERBURDEN HANDLED DURING PREVIOUS YEAR 2012 - 2013****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**

- a. Landscape. : The area consists of undulated topography land with few hillocks.
- b. Aesthetic environment : OK
- c. Soil and land use pattern : Negligible top soil, The total lease area consists of both forest and non-forest land.
- d. Agriculture : No agricultural land in the ML area.
- e. Forest(flora and fauna) : Common plant species, birds and animals
- f. Vegetation : Mainly bushes and shrubs are found.
- h. Public building, places and monuments (protected, historical), place of worship and places of tourist : Nil within lease area.

**B Water environment.**

- a. Surface water : Toe wall,garland drain etc. are provided around the waste dump to prevent the contamination of surface water except around one waste dump, violation issued for the same.
- b. Ground water : Ground Water table not intercepted yet due to opencast working.
- c. Quality of water : The water quality is monitored at regular intervals and the parameters were within the permissible limit.

**C. Air environment**

- a. Noise : Monitoring is being done at regular intervals & noise levels were within the permissible limit.
- b. Air : The air quality is being monitored at regular intervals and the parameters were within the permissible limit.
- c. Climatic condition : Sub-tropical

**D. Socio economic environment**

- a. Social and demographic profile. : Mostly tribal area
- b. Recommending health and safety. : It is reported that Health checks up camps are being organized and free medicines are being provided.
- c. Human settlement : Density of population is low.
- d. Recreational facility. : Games & sports facilities are being provided. Disc Antena is provided in the mine camp 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>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.**

Mine was inspected on 22.06.2013. Annual Return for the year 2012-13 was not submitted that time; due dt. up to 1st July '2013. Scrutiny of AR-2011-12 was carried out during last inspection.

**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.)**

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 :**

**(SHRI PREM PRAKASH)**

Indian Bureau of Mines