

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

**MCDR INSPECTION REPORT**

**Bhubaneshwar regional office**

**Mine file No :** ORI/BXT/SNG/MCDR-1/BBS

**Mine code :** 07ORI13008

- (i) Name of the Inspecting : **DEY** ) **NARENDRA MOHAN DEY**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 19/09/2013
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **KAMANDA**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address  
State : ORISSA  
District : SUNDARGARH  
Village : KAMANDA  
Taluka : KOIRA  
Post office : KOIRA  
Pin Code : 770048  
FAX No. : (06582) 256442  
E-mail : E-mail:Rungtas@satyam.net.:  
Phone : 06582-256861
- (e) Police Station : KOIRA
- (f) First opening date : 27/02/1985
2. Address for : M/s RUNGTA SONS (P) LTD. RUNGTA HOUSE CHAIBASA  
correspondance SINGHBHUM (WEST), JHARKHAND- 833 201
3. (a) Lease Number : ORI0231
- (b) Lease area : 43.07
- (c) Period of lease : 20
- (d) Date of Expiry : 25/02/2005
4. Mineral worked : BAUXITE 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 : 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

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
<b>DIRECT</b>		
Managerial	3	
Others	2	
Supervisory	1	

**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>					
Housing			15.00		
Water supply			1.62		
Sanitation			0.80		
Health			5.33		INCLUDING SAFETY
Sub total			<b>22.75</b>		
<b>Infrastructure</b>					
Roads			20.00		
Electricity			7.50		
Sub total			<b>27.50</b>		
<b>Training</b>			<b>0.50</b>		
<b>Others</b>			<b>16.00</b>		INCLUDING REPAIR
<b>Recreation</b>			<b>1.00</b>		INCLUDING SPORT
<b>Environment management</b>			<b>12.05</b>		INCLUDING PLANTA
<b>Total</b>			<b>79.80</b>		

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

NO OUT STANDING VIOLATIONS.

ENVIRONMENT CLEARANCE OBTAINED

FOREST CLEARANCE NOT OBTAINED. STAGE - 1 CLEARANCE IS UNDER PROCESS.

CONSENT TO OPERATE FROM SPCB OBTAINED.

BOUNDARY PILLARS ARE MAINTAINED BY AND LARGE SATISFACTORY

CO-ORDINATES HAVE BEEN MENTIONED ON THE BOUNDARY CORNER PILLAR, AND

ON VERIFICATION IT IS ALMOST MATCHING WITH THE MAP PREPARED BY OSAC.

**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, 19888, if recommended.**

## 5. Scientific Mining

Items	Proposal	Actual work done	Remarks
-------	----------	------------------	---------

**A. Exploration (Rule 13)**

a.Type of prospecting : and exploration i.e. pitting, drilling	NO OF BOREHOLE :5, GRID INTERVAL : 100 X 100 M, MAX DEPTH: 8 M, MINI DEPTH : 8 M, TOTAL METERAGE : 40 M TRENCHING : 1, 5.8 M X 5.2 M X 6.4 M
--	--

**B. Working (Rule 13)**

a.Number and size of : each pit (LxWxH)	MAIN PIT 140 M X 60 M X 23 M
b.Bench : size(LxWxH)length can be defined as regular/irregular	BENCHS IN OB : 1 HEIGHT: 4 M, WIDTH : 8 M BENCHES IN ORE : 2 HEIGHT : 2 M, WIDTH : 6 M
d.Total area covered : under excavation/pits	10.059 HA

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

a.Location of dumps :	DUMP D1 ON NON- MINERALISED LAND
e.Yearly generation : of waste quantity.	CUMULATIVE GENERATED / EXCAVATED WASTE DUMPED 39124 CUB M.
c.Total area covered : under waste dump.	2.00 HA
d.No.and size of each : waste dump with No of steps/lift/bench	DUMP D 1 ON NON- MINERALISED LAND IN THE WESTERN PART OF THE LEASE HAVING AREA 20000 SQ. M, HEIGHT 6 M, ANGLE 30 DEGREE, NO. OF TERRACE 1.

**D. Production**

b.Year wise : production of last five year.	NO PRODUCTION SINCE 2010-11 TILL DATE DUE TO OCCURENCE OF LOW GRADE / UNSALEABLE ORE IN EXISTING PITS IN NON- FOREST LAND. GOOD QUALITY ORE IS FOUND TO OCCUR IN FOREST LAND , THE FOREST DIVERSION PROPOSAL IS WITH MOEF, IN THE PROCESS OF APPROVAL.
---	--

**D. Reserve**

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

RESERVE POSITION AS PER  
LATEST SCHEME OF MINING  
APPROVED ON 25.08.2010  
FOR THE PERIOD 2010-11  
TO 2014-15 IS AS  
FOLLOWS:  
PROVED (111): 585582 MT  
PROBABLE (121 + 122 ) :  
283551 MT  
POSSIBLE (211 +221 +222  
+333 ) : 486967 MT

**RESERVE POSITION AS ON 01/04/2013**

<b>BAUXITE</b>		
Category	Quantity in Tonnes	Grade
Proved	585582	AS PER UNFC 111
Probable	283551	AS PER UNFC 121 AND 122
Possible	486966	AS PER UNFC 211 +221 +222 + 333
Total	1356099	45%

**PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013**

Mineral	Production	Unit
BAUXITE	0	TON

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

Efforts for improving low grade and sub grade mineral. : AS THE LOW GRADE ORE IS HIGHLY CONTAMINATED WHICH IS NOT PHYSICALLY SEPERABLE , BENEFICIATION OF SUB-GRADE ORE IS NOT POSSIBLE.

**Mineral Rule 15**

Number of benches in ore and waste. : NUMBER OF BENCHES IN ORE: 2  
NUMBER OF BENCHES IN WASTE : 1

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

Qty of yearly generation and total qty available during inspection with grade : NIL

Separate stacking from waste : SEPARATELY STACKING FROM WASTE IN THE MINE

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

No. of Boreholes	No. of Pits	No. of Trenches
5		

**OVERBURDEN HANDLED DURING PREVIOUS YEAR 2012 - 2013**

Overburden/waste removed (in m3) :	0
------------------------------------	---

**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 AREA IS CONSIST OF UNDULATED TOPOGRAPHY LAND WITH FEW HILLOCKS .
- d. Agriculture : NO AGRICULTURAL LAND IN THE AREA.
- e. Forest(flora and fauna) : COMMON BIRDS AND ANIMALS ARE FOUND IN THE AREA.
- f. Vegetation : MAINLY BUSHES AND SHRUBS ARE FOUND.

**B Water environment.**

- a. Surface water : THE NEAREST SURFACE WATER SOURCE IS KUNDRA NALLAH WHICH FLOWS ON THE SOUTHERN SIDE OF THE LEASE AND IS ABOUT 1.5 KM FROM OUTSIDE THE MINING LEASE AREA.
- c. Quality of water : THE WATER IS SUITABLE FOR DRINKING AND DOMESTIC USE.

**C. Air environment**

- b. Air : THE AIR POLLUTION IS MINIMISED BY SPRINKLING WATER ON HAUL ROAD AND USING WET DRILLING TECHNIQUE.
- c. Climatic condition : THE MAXIMUM TEMPERATURE GOES UPTO 45 DEGREE CENTIGRADE DURING SUMMER AND IT FALLS DOWN UPTO 5 DEGREE CENTIGRADE DURING WINTER . THE AVERAGE RAINFALL IS 14.5 MM DURING RAINY SEASON JULY TO AUGUST

**D. Socio economic environment**

- a. Social and demographic profile. : NEARBY VILLAGES KUSUMDIH AND KOLA ARE HAVING POPULATION 678 & 638 RESPECTIVELY. MOST OF THE PEOPLE ARE DEPENDENT ON MINING SECTOR.
- c. Human settlement : DENSITY OF POPULATION IS LOW.

**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.

<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.**

ANNUAL RETURN FOR THE YEAR 2012-13 HAS BEEN RECEIVED.

NO PRODUCTION DURING 2012-13, COST OF OPERATION : NIL

FIXED ASSETS MENTIONED AS NIL.

MINE HAS NO PRODUCTION SINCE 2010-11 DUE TO OCCURENCE OF LOW GRADE / UNSALEABLE ORE IN EXISTING PITS IN NON-FOREST LAND.

GOOD QUALITY ORE IS FOUND TO OCCUR IN FOREST LAND.

THE FOREST DIVERSION PROPOSAL IS WITH MOEF. STAGE - 1 CLEARANCE IS UNDER PROCESS.



**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.**

SCHEME OF MINING APPROVED ON 25.08.2010 FOR THE PERIOD 2010-11 TO 2014-15.  
ENVIRONMENT CLEARANCE OBTAINED  
FOREST CLEARANCE NOT OBTAINED. STAGE - 1 CLEARANCE IS UNDER PROCESS.  
CONSENT TO OPERATE FROM SPCB OBTAINED.  
BOUNDARY PILLARS ARE MAINTAINED BY AND LARGE SATISFACTORY  
CO-ORDINATES HAVE BEEN MENTIONED ON THE BOUNDARY CORNER PILLAR, AND  
ON VERIFICATION IT IS ALMOST MATCHING WITH THE MAP PREPARED BY OSAC.

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

SCHEME OF MINING APPROVED ON 25.08.2010 FOR THE YEAR 2010-11 2014-15.

**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.**

THE MINE OWNER HAS CARRIED OUT EXPLORATION AS PER UNFC NORMS IS AS FOLLOWS:

G 1 LEVEL : 5.653 HA  
G 2 LEVEL : NIL  
G 3 LEVEL : 24.95 HA  
UNEXPLORED : 12.464 HA

**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.**

THE MINERALISATION WILL NOT EXHAUST WITH IN THE PRESENT PERIOD, SO CLOSING OPERATION DOES NOT ARISE.

**PART - IV : PROPOSALS FOR FURTHER ACTION FOR :**

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

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

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

Date :

(NARENDRA MOHAN DEY)

Indian Bureau of Mines