

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/MN/KJR/MCDR-20/BBS-31/5/2I

Mine code : 400RI08031

- (i) Name of the Inspecting : **AR**) **SHRI PREM PRAKASH**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sri Abhijit Sen, C.G.M(Geo.), Sri K.M. Sahoo, G.M./Min
Official with
Designation
- (iv) Date of Inspection : 23/05/2015
- (v) Prev.inspection date : 24/02/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SILJORA KALIMATI**
- (b) Category : A Other than Fully Mech.
- (c) Type of Working : Opencast
- (d) Postal address
State : ORISSA
District : KEONJHAR
Village : SILJORA KALIMATI
Taluka : BARBIL
Post office : SILJORA
Pin Code :
FAX No. : 91 - 6582 - 52442
E-mail : rungtas@satyam.net.in
Phone : (06582) 52861, 52761, 52661, !
- (e) Police Station :
- (f) First opening date : 01/01/1946
2. Address for : SILJORA KALIMATI MANGANESE MINE
correspondance DISTRICT KEONJHAR
ORISSA
3. (a) Lease Number : ORI0172
(b) Lease area : 715.64
(c) Period of lease : 20
(d) Date of Expiry : 31/12/2035
4. Mineral worked : MAGNESITE Associated
MANGANESE ORE Main

5. Name and Address of the

Lessee : M/S M.L.Rungta
 Rungta House P.O.Chaibasa
 SINGHBHUM (WEST) JHARKHAND
 Phone:(06582) 52861,52761,52661,52561,52461
 FAX :91 - 6582 - 52442

Owner : M/S M.L.RUNGTA
 RUNGTA HOUSE AT
 P.O.CHAIBASA SINGHBHUM
 (WEST) JHARKHAND
 Phone: 06582- 52861, 5
 FAX : 91-6582 - 52442

Agent : SRI D.R.OJHA
 M/S M.L.RUNGTA AND SONS
 BARAJAMDA SILJORA
 KALIMATIMINES SINGHBHUM
 (WEST) JHARKHAND
 Phone: 06596 - 62321, 62221
 FAX : 06596-62101

Mining Engineer

Name : P.N.CHOUDHARY,Full Time
 Qualification : AISM (Mining), B.Sc (Honours)
 Appointment/ : 01/04/1999
 Termination date

Mining Engineer

Name : A.K.ROUT,Full Time
 Qualification : AMIE MINING
 Appointment/ : 01/03/1995
 Termination date

Mining Engineer

Name : K.M.SAHU,Full Time
 Qualification : DIPLOMA MINING
 Appointment/ : 08/07/2003
 Termination date

Geologist

Name : S.SARKAR,Full Time
 Qualification : M.Sc (Geology)
 Appointment/ :
 Termination date

Geologist

Name : S. GHOSH,Full Time
 Qualification : M.SC GEOLOGY, M.TECH IN MINERAL EXPLORAT
 Appointment/ : 16/11/2000
 Termination date

Manager

Name : P.N.CHOUDHARY

Qualification : AISM (Mining) , B.Sc (Mining)

Appointment/ : 01/04/1999

Termination date

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	18	306
Workers	33	306
Supervisory	14	306
Others	68	306
CONTRACT		
Others	62	306
Supervisory	41	306
Workers	296	306

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					
Water supply	14.08	14.08			Expenditures as
Sanitation	1.76	1.76			
Health	0.42	0.42			
Sub total	16.26	16.26			
Infrastructure					
Public transport	17.16		17.16		
Sub total	17.16		16.26		
Training	5.60		5.60		
Others	2.10		2.10		
Recreation	3.81		3.81		
Total	44.93		44.93		

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

After last inspection on 09.09.2014, No Violation was pointed out.

During current inspection, Violation of rule 13(1) was observed and being communicated to the party.

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 being recommended at present

5. Scientific Mining

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

b.Total area covered	: Within lease area	Within lease area	
a.Type of prospecting and exploration i.e. pitting, drilling	: 315 Nos. of exploratory holes	900 nos.of exploratory holes	during the scheme of Mining Period from 2010-11 to 2014-15

B. Working (Rule 13)

b.Bench size(LxWxH)length can be defined as regular/irregular	: Height - 6mts. width - 10 to 20mts.	Height - 6mts. avg. width - 10 to 20mts	
a.Number and size of each pit (LxWxH)	: Block I, II,V- Mn. BlockVI-(Iron)	Block I-Mn. Block VI-(Iron)	Less production as per existing EC
c.Ore to waste ratio pit wise if possible otherwise for mine	: 1:11.28 Te : m3 (Mn..)	1:14.20 Te : m3 (Mn.)	
d.Total area covered under excavation/pits of 2014-15	: 372.48 at the end	About 313 Ha.	

C. Waste disposal (Rule 13)

a.Location of dumps	: Dump A & H	Dump A & H	
c.Total area covered under waste dump.	: Not specified for a year	60 Ha. approx	
d.No.and size of each waste dump with No of steps/lift/bench	: 02 Dumps	02 Dumps	
e.Yearly generation of waste quantity.	: Mn.-5116341m3. Fe.-46760m3	Mn.-1633565.987 m3. Fe.-21747.142m3	

RESERVE POSITION AS ON 01/04/2015**PRODUCTION FOR THE PREVIOUS YEAR 2014 - 2015**

Mineral	Production	Unit
MANGANESE ORE	115054	TON

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

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

Efforts for improving : Sorting
percentage of recovery of
ore.

Mineral Rule 15

Percentage of recovery of ore : Overall recovery of ore is about 5% with respect to
pitwise w.r.t. ROM and total total material
material

Sub/grade mineral/fines (Rule 16)

Total area covered for : 2.24 Ha
stacking

Separate stacking from waste : yes

Location of stacking. : Dump-B

Exploration data as on 31/03/ 2015

No. of Boreholes

No. of Pits

No. of Trenches

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2014 - 2015**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 highly undulated with hillock & valleys.
- b. Aesthetic environment : satisfactory
- c. Soil and land use pattern : As the mining operation was restricted in already mined out area, there was no top soil generation.
- d. Agriculture : No agricultural land within the lease area
- e. Forest(flora and fauna) : Common local species
- f. Vegetation : Mainly common plants like Mango, sal etc
- 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 sources is Kakar Pani Nala which is outside the lease boundary.
- c. Quality of water : being monitored & OK
- b. Ground water : Source of ground water in the area is dug well & tube wells.

C. Air environment

- a. Noise : The noise level is being monitored ; under prescribed limit.
- b. Air : The air pollution is minimized by sprinkling of water on haul roads & using wet drilling technique.
- c. Climatic condition : The maximum temperature goes upto 45°C in the month of May and it falls down upto 5°C in the month of December.

D. Socio economic environment

- a. Social and demographic profile. : Most of the people in the area depends upon agriculture. The mining lease has given job opportunity directly/ indirectly.
- b. Recommending health and safety. : Reportedly Health checks up camps are organized and medicines are being provided.

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.

Season	Station type	Station name	Parameter	<u>Water Management</u>	
				Value	
				Actual	Excess

Air data for excess parameters

Season	Station name	Type of area	Parameter	Value	
				Actual	Excess

PLANTATION DURING THE PREVIOUS YEAR 2014 - 2015

Area in Hect.

TOP SOIL MANAGEMENT

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.

A. R. 2014-15 has not been submitted yet, due date of submission is up to 1st july'2015.

Scrutiny of AR 2013-14 was carried out during last inspection on 9.9.2014.

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.)

A copy of violation letter being endorsed to Director of mines, Odisha

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

Nil

Date :

(SHRI PREM PRAKASH)

Indian Bureau of Mines