

MCDR Report

1) Name of Inspecting officer:	Mr. Prem Prakash
2) Designation	Sr.Asst.Controller of Mines
3) Accompanying mine official with designation	Mr.B.K Nayak,AGM (Mines) Mr. Manish Kumar, Asst.Manager
4) Date of Inspection	25.09.2015
5) Date of Previous Inspection	07.03.2015, DCOM

PART –I GENERAL INFORMATION

1.Name of mine	Jalahuri Iron & Mn Mines
a. Category of mine (A-Fully mechanized, A-Other than fully mechanized, B-Manual)	A- Fully mechanized
b. Mode of working (OC/UG/Both o/c & u/g)	Open cast
c. Postal address	Mala Roy & Others,P.O.- Khandbandh
d. State	Odisha
e. District	Keonjhar
f. Tehsil/ Taluka	Barbil
g. Police station	Bamebari
h. Village	Jalahuri
i. Post	Khandbandh
j. Pin Code	758034
k. FAX	-----
l. E-mail	Malaroy.others@mrno.co.in
m. Phone	03323570049,08017518210
n. Date of first opening	16.05.1953
o. Weekly day of rest	Tuesday

2. a) Lease No.	:	01
b) Lease area in hect.	:	182.109 Ha
c) Period of lease	:	20 years
d) Date of expiry	:	16.05.2013, RML Applied

3.a) Mineral(s) included in the lease deed	:	Iron & Manganese
b) Mineral(s) worked	:	Iron

4. Name and address of (including FAX/ E-mail, if any)

a) Lessee/ owner : Mala Roy & Others
192 D, N.S.C Bose Road,Kolkata,
Pin No- 700040,
E mail Id-malaroy.others@mrno.co.in

b) Nominated owner : Mr. Indrajit Roy

c) Agent with date of appointment : No

d) Mining Engineer and geologists appointed under rule 42 of MCDR, 1988 with date of appointment and whether full/ part time with qualification.

Name	Full/Part time	Date of Appointment
Mr manish kumar B.E. Mining	Full time	10.12.2014
Mr Sunendo Sen Msc Geology	Full time	16.08.2013

e) Mine Manager with qualification and date of appointment : Mr. B.K. Nayak, AMIE in Mining Engineering
First class Mines Manager competency
08.11.2011

5. Details about Mining Plan/ Mining Scheme

a) Letter No. and date of approval of mining plan : 314(3)/2013-MCCM(CZ)/MP-02, Dt. 12.08.2013

b) Period of mining plan/ mining scheme in force : From 2013-14 to 2017-18 (financial year)

PART II-TECHNICAL DETAILS

1. Details about employment.

Maximum number of persons employed on any day during the year (i) below ground (ii) above ground and (iii) in all in the mines.

Classification	Average daily employment			Average No. of days worked in a year	Remarks
	Direct	Contract	Total		
OPENCAST					Suspension of mining operation reported w.e.f 16.05.2013 due to expire of the lease period vide Deputy director Mines, Joda letter No. 1725/Mines, dt. 10.05.2013.
a) Managerial person	3	0	3		
b) Supervisory persons	0	0	0		
c) Workers	0	0	0		
d) Ministerial persons	0	0	0		
e) Employment in plant	0	0	0		
f) Others					
UNDERGROUND				NA	* If common, please state
a) Managerial person*					
b) Supervisory persons					
c) Workers					
d) Ministerial persons					
e) Employment in plant					
f) Others					

2. Community Development Plan (in and around the mines)

S. N	Proposed action towards socio-economic development during the current year	Expenditure proposed in Rs. Lakhs (Previous financial year) (2014-15)	Expenditure proposed in Rs. Lakhs for current year (2015-16)	Expenditure incurred in Rs. Lakhs (Previous financial year) (2014-15)	Expenditure incurred so far in Rs. Lakhs, in current year (2015-16), Till the date of inspection	Remarks
1	General development in the area					
	a) Housing					

	b) Water supply	50	25	25		Expenditure given is as reported by the mine manager. Not verified by the undersigned.
	c) Sanitation					
	d) Health, safety and medical facilities,	6	3	3		
2	Training					
3	Employment to local inhabitants	2.5	1.5	1.5		
4	Infrastructure-public transport, roads, communication and electricity	18	6	6		
5	Recreation and other sports activities	2.5	1	1		
6	Expenditure for environment management	45	3	3		
7	Others	12	5	5		
	Total	136	44.5	44.5		

3. Status of compliance of MCDR, 88 including therewith the rectification of outstanding violation of the rules.

Date of last inspection	Violation pointed out	Compliance reported
07.03.2015	Nil.	NA

After last inspection on 07.03.2015, No Violation was pointed out.

During current inspection, Violation of MCDR,88 was also not observed. Mining operation reported suspended/non-working w.e.f 16.05.2013 due to expire of the lease period vide Deputy director Mines, Joda letter No. 1725/Mines, dt.10.05.2013.

4. A note on justification in case of suspension of mining operations under rule 13(2) or prohibition of deployment of any person under rule 56 of MCDR, 1988 if recommended.

Not recommend

5. Scientific Mining (As per latest approved mining Plan/Scheme)

Item	Proposal (2014-15)	Actual work done (2014-15) or Cumulative as applicable	Remarks
i) Exploration (Rule 13)			
a) Type of prospecting and exploration i.e. pitting, drilling etc.	20 holes	Nil	Mining operation reported suspended
b) Total area covered	20	Nil	
ii) Workings (Rule 13)			
a) Opencast/ underground	Opencast	Opencast	
b) Manual/ mechanized	mechanized	mechanized	
c) No. and size of each pit (L x W x H)	Q-6 & 7- 74 x 86 m ²	Nil	Mining operation reported

	Q-9 & 9A = 126 x 167 m ²	Nil	suspend during 2014-15
d) Bench size (l x w x h) length can be defined as regular or irregular	W x h= 10 m x 6m Length = regular	W x h= about 10 m x 6m, Length = regular	
e) Ore to waste ratio pit wise if possible otherwise for mine.	1:0.04 ^{1/m³}	Nil	
f) Total area covered under excavation/pits	Not specified for a year	32.65 Ha	cumulative
iii) Waste disposal (Rule 13)			
a) Location of dumps	Near Qry-4	Near Qry-4	
b) Method of dumping whether advancing/retreat	retreating	Not done	
c) Total area covered under waste dump	Not specified for a year	About 14 Ha.	cumulative
d) No. & size of each waste dump with number of steps lift/ bench.	At Dump 7	Nil	cumulative About 14 Ha.
e) Yearly generation of waste quantity.	28400 Cum	Nil	
f) Year-wise quantity of top soil removed, utilized & stacked.	Nil	Nil	

6. Conservation of mineral- both quantitative and qualitative.

i) <u>Mineral (Rule 15)</u>		
(a)	No. of benches in ore and waste	9 & 7 Mixed benches in quarry -6 & 7 respectively & 2 ore benches in Quarry -9
(b)	Percentage of recovery of ore pit-wise w.r.t. ROM and total material :	Mining operation reported suspended during Yr. 2014-15
ii) <u>Sub-grade mineral/ fines (Rule 16)</u>		
(a)	Separate stacking from waste :	yes
(b)	Location of stacking :	Inside the lease hold area
(c)	Total area covered for stacking :	About 11 Ha.
(d)	No. and size of each stack	Mining operation reported suspended during Yr. 2014-15
(e)	Quantity of yearly generation, utilization and total quantity available during inspection with grade.	Nil
iii) <u>Beneficiation (Rule 20)</u>		
(a)	Efforts for improving low grade and sub-grade mineral. : For the purpose of Beneficiation	Mining operation reported suspended during Yr. 2014-15
(iv)	Efforts for improving percentage of recovery of ore.	

7. Environment Management both quantitative and qualitative

i)	<u>Land Environment</u>	
(a)	Landscape	The ML area has an undulating topography mainly hilly and some plan area
(b)	Aesthetic environment	Aesthetic environment surrounding the area is satisfactory.
(c)	Soil and land use pattern	As the soil is lateritic,
(d)	Agriculture	No agricultural land exists within mining lease area.
(e)	Forest (flora & fauna)	(Flora & Fauna) is taken care through safety zone plantation, fencing, forest fire preparation wild life awareness etc
(f)	Vegetation	Scattered vegetation is there
(g)	Public building, places and monuments (protected monument and historical monument), places of worship and places of tourist interest.	No such within the lease area
ii)	<u>Water Environment</u>	
(a)	Surface water	Check dams at slopes, Garland drain with settling tank, retaining walls etc around dumps are provided.
(b)	Ground water	Ground water level is not intersected yet by mining activities.
(c)	Quality of water	Usable
iii)	<u>Air Environment</u>	
(a)	Noise	Mining operation reported suspended/non-working mine w.e.f 16.05.2013 due to expire of the lease period vide Deputy director Mines, Joda letter No. 1725/Mines, dt. 10.05.2013.
(b)	Air	
(c)	Climatic condition	The core area lies in tropical region having semi arid climate condition. Average rain fall 1200-1600

	mm & temperature in summer 30°C to 45°C. In winter 4 to 20°C.
iv) <u>Socio-economic environment</u>	
(a) Social and demographic profile	Majority of the population in the area is scheduled tribe & back-ward class. A large number of people are employed as labourers in the mines.
(b) Recommending health and safety	The company has put an effort towards helping of people by rendering the medical camp, ambulance facilities etc.
(c) Human settlement	Some Quarters & hutting have been provided to workers near site office.
(d) Recreational facility	Provided at the camp

8. Scrutiny of annual returns on cost of operation, reserves, production, pit mouth value, stock, etc. for the year 2014-15.

- (1) Cost of operation ; NIL
(2) Reserve : 26.499 million tone-111 category
(3) Production : NIL
(4) Pit's Mouth Value : NIL
(5) Stock : Closing stock: Lump- 71087.895 mt, Fines-357923.380 mt

9. PROPOSAL FOR FURTHER ACTION:

a)	Indian Bureau of Mines (any issue related to CGPB, SGPB, assistance, consultancy, annual programme and studies etc.	Nil
b)	The State Government (illegal mining, mining dispute, infrastructure, mineral based industry, mineral policy & etc.)	A copy of violation being endorsed to Director of mines, Odisha.
c)	The Central Government (infrastructure development, mineral policy and legislation, mineral based industry & etc.)	Nil

P. Prakash
Dy. Controller of Mines
INDIAN BUREAU OF MINES