

MCDR Report

1) Name of Inspecting officer:	Mr Prem Prakash
2) Designation	Senior Asst. Controller of Mines
3) Accompanying mine official with designation	Bidhu Bhushan sahuo, Mines manager
4) Date of Inspection	24.09.2015
5) Date of Previous Inspection	14.07.2014

PART –I GENERAL INFORMATION

1. Name of mine	Geetarani Mohanty
a. Category of mine (A-Fully mechanized, A-Other than fully mechanized, B-Manual)	A-Fully mechanised
b. Mode of working (OC/UG/Both o/c & u/g)	OC
c. Postal address	At-Raikela Po-Dengula
d. State	Odisha
e. District	Sundargarh
f. Tehsil/ Taluka	Koira
g. Police station	Koira
h. Village	Raikela
i. Post	Dengula
j. Pin Code	770048
k. FAX	06742549174
l. E-mail	geetarani.mines@gmail.com
m. Phone	06742549174
n. Date of first opening	23-08-1993
o. Weekly day of rest	Sunday

2. a) Lease No.	:	666
b) Lease area in hect.	:	67.586 Ha
c) Period of lease	:	20 years
d) Date of expiry.	:	01-07-2011, RML applied

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

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

a) Lessee/ owner	:	M/s Geetarani Mohanty, E.mail:geetarani.mines@gmail.com
b) Nominated owner	:	Sri Srinibash Sahoo
c) Agent with date of appointment	:	Nil
d) Mining Engineer and geologists appointed under rule 42 of MCDR, 1988 with date of appointment and whether full/ part time with qualification.	:	Nil
e) Mine Manager with qualification and date of appointment	:	Bidhu Bhushan Sahoo, A.M.I.E (Mining Mines manager certificate ,Date of appoi

(d) Period of mining plan/ mining scheme in force : : From 2011-12 to 2015-16
(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					
a) Managerial person	2	0	2	0	The mine has been suspended by IBM from 16.11.2012
b) Supervisory persons	8	0	8	0	
c) Workers	72	0	72	0	
d) Ministerial persons	0	0	0	0	
e) Employment in plant	0	0	0	0	
f) Others	0	0	0	0	
UNDERGROUND					
a) Managerial person*	0	0	0	0	0
b) Supervisory persons	0	0	0	0	0
c) Workers	0	0	0	0	0
d) Ministerial persons	0	0	0	0	0
e) Employment in plant	0	0	0	0	0
f) Others					* If common, please state

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

S. No.	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 for Previous financial year 2014-15	Expenditure incurred so far in Rs. Lakh for the current year 2015-16, till the date of inspection	Remarks
1	General development in the area					Expenditures given are as reported by the mine manager. Not verified by the undersigned.
	a) Housing					
	b) Water supply	0.50	0.50	0.50		
	c) Sanitation					
	d) Health, safety and medical facilities.					
2	Training					
3	Employment to local inhabitants					
4	Infrastructure-public transport, roads, communication and electricity					
5	Recreation and other sports activities					

6	Expenditure for environment management				
7	Others (Education)	0.72	0.72	0.72	0.36
	Total	1.22	1.22	1.22	0.36

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
14.07.2014	Rule 23,27,29,45 of MCDR1988	Yes, complied with on 17.10.2014

During current inspection, Violation of MCDR,88 was not observed. Mine was reported non-working as Mining operation has been suspended by IBM. Rule 13(2) of MCDR 1988 has been imposed by IBM for violating Rule 13(1); order of suspension of mining operation has been issued vide IBM letter No. ORI/IRON/SNG/MCDR-06/BBS , Dated 16.11.2012. However, partial revocation of order of suspension of mining operation has been issued vide IBM letter No. ORI/IRON/SNG/MCDR-06/BBS , Dated 27.11.2014 to carry out rectification work in respect compliance of said violating Rule 13(1). But, mine operation reported not resumed due to want of statutory clearance, pending RML and state govt. permission.

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.

Mine was already non-working.

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.	Nil	Nil	Mining operation reported suspended during Yr. 2014-15	
b) Total area covered	Nil	Nil		
ii) Workings (Rule 13)				
a) Opencast/ underground	opencast	Opencast		
b) Manual/ mechanized	mechanised	mechanized		
c) No. and size of each pit (L x W x H)	600x200x95	Nil		
d) Bench size (l x w x h) length can be defined as regular or irregular	12x8, regular	No work		
e) Ore to waste ratio pit wise if possible otherwise for mine.	1:0.19	Nil		
f) Total area covered under excavation/pits	Not specified for a year	Nil		
iii) Waste disposal (Rule 13)				
a) Location of dumps	312250 E to 312370E,2419780 N to 2419910N	Nil		
b) Method of dumping whether advancing/ retreat	advancing	Not done		
c) Total area covered under waste dump	Not specified for a year	No work		
d) No. & size of each waste dump with number of steps lift/ bench.	1 no ,size-200x100x20	No work		
e) Yearly generation of waste quantity.	29668 Cum	Nil		
f) Year-wise quantity of top soil removed, utilized & stacked.	nil	Nil		

6. Conservation of mineral- both quantitative and qualitative.
- i) Mineral (Rule 15)
 - (a) No benches in ore and waste-11 nos
 - (b) Percentage of recovery of ore pit-wise w.r.t. ROM and total material- No production since 16.11.2012
 - ii) Sub-grade mineral/ fines (Rule 16)
 - (a) Separate stacking from waste-Yes
 - (b) Location of stacking-SG 1-312200E to 312330E,2419660N to2419780N
 SG 2-311600E to 311700E,2419660N to 2419800N
 SG-3-3115540E to 311730E,2419480N to 2419640N
 SG 4-311940E to 312000E ,2419070N to 2419200N
 - (c) Total area covered for stacking-4.98 Ha
 - (d) No. and size of each stack- SG/1-180x80x5, SG/2-150x60x10, SG/3-200x120x10,SG/4--60x40x10,
 - (e) Quantity of yearly generation, utilization and total quantity available during inspection with grade. No work during year 2014-15.
 - iii) Beneficiation (Rule 20)- NIL
 - (a) Efforts for improving low grade and sub-grade mineral: No work during year 2014-15.
 - iv) Efforts for improving percentage of recovery of ore. No work during year 2014-15.

7. Environment Management both quantitative and qualitative

i)	<u>Land Environment</u>	
(a)	Landscape	The ML area has an hilly & undulating topography.
(b)	Aesthetic environment	Aesthetic environment surrounding the area is satisfactory.
(c)	Soil and land use pattern	The soil is lateritic.
(d)	Agriculture	No agricultural land exists within mining lease area.
(e)	Forest (flora & fauna)	Common species
(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.	One small temple observed within the lease area
ii)	<u>Water Environment</u>	

(a)	Surface water	Mining operation reported suspended during Yr. 2014-15
(b)	Ground water	
(c)	Quality of water	
iii)	<u>Air Environment</u>	
(a)	Noise	Mining operation reported suspended during Yr. 2014-15
(b)	Air	
(c)	Climatic condition	The core area lies in tropical region having semi arid climate condition.
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 depended on mining activities.
(b)	Recommending health and safety	Mining operation reported suspended during Yr. 2014-15
(c)	Human settlement	No such within the lease area.
(d)	Recreational facility	Not found any

9. 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, Mines not working
- (2) Reserve -34248208 te (proved mineable reserve as per approved MP)
- (3) Production -Nil
- (4) Pit's Mouth Value-Nil
- (5) Stock- Lump: 8080 te, Fines:1277010 te.

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.)	Nil
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