

MCDR Insp. Report

1) Name of Inspecting officer:	Mr.Prem Prakash
2) Designation	Asst.Controller of Mines
3) Accompanying mine official with designation	M.K.Sahu, Mines Manager.
4) Date of Inspection	04.02.2016
5) Date of Previous Inspection	18.04.2015

PART -I GENERAL INFORMATION

1.Name of mine	
a. Category of mine (A-Fully mechanized, A-Other than fully mechanized, B-Manual)	A- Other than fully mechanized.
b. Mode of working (OC/UG/Both o/c & u/g)	Open Cast
c. Postal address	At/Po. Tensa.
d. State	Odisha
e. District	Sundargarh
f. Tehsil/ Taluka	Koira
g. Police station	Lahunipara
h. Village	Tantra
i. Post	Tensa
j. Pin Code	770042
k. FAX	06625236305
l. E-mail	korptantramines@gmail.com
m. Phone	06625-236305
n. Date of first opening	22.11.1985
o. Weekly day of rest	Sunday

2. a) Lease No.	:	206 (o)
b) Lease area in hect. with forest area, if any	:	72.56 Ha.
c) Period of lease	:	20 Years
f) Date of expiry.	:	21.11.2005, 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 Korp Resources (P) Ltd.
b) Nominated owner	:	Sri. P.R.Goenka.
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.	:	Sri,M.K.Sahu, (Full time) (B.Tech,Mining Engineer). 21.05.15 Sri, P.K. Pathak, (M.Sc.Geology) 17.02.2004
e) Mine Manager with qualification and date of appointment	:	Sri,M.K.Sahu, (Full time) (1 st Class Mines Manager). 21.05.15

5. Details about Mining Plan/ Mining Scheme		: BBS/SGFE/MP-159 Date.29.03.2004
a) Letter No. and date of approval of mining plan	:	MS/OTFM/41-ORI/BHU/2012-13 Date.19.04.2013
b) Letter No. and date of approval of mining scheme.	:	From 2013 -2014 to. 2017-2018 (financial year)
c) Period of mining plan/ mining scheme in force :	:	

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. up to 31.01.16	Remarks
	Direct	Contract	Total		
OPENCAST					
a) Managerial person	01	NIL	01	242	
b) Supervisory persons	04	NIL	04	242	
c) Workers	08	58	66	242	
d) Ministerial persons	NIL	NIL	NIL		
e) Employment in plant	NIL	NIL	NIL		
f) Others	03	NIL	03	242	
UNDERGROUND	NA				
a) Managerial person*					
b) Supervisory persons					
c) Workers					
d) Ministerial persons					
e) Employment in plant					
f) Others					
					* If common, please state

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					Give in brief the quantity, type and nature of
	a) Housing					
	b) Water supply					
	c) Sanitation					

1	aj repair, safety and medical facilities.		4.60		4.60	work done against each of the items
2	Training		0.94		0.94	
3	Employment to local inhabitants					
4	Infrastructure-public transport, roads, communication and electricity		0.3		0.3	
5	Recreation and other sports activities		0.5		0.5	
6	Expenditure for environment management		0.3		0.3	
7	Others		1.25		1.25	
	Total		7.89		7.89	

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
18.04.2015	I.r.o. Rule 13(1), 42 & 45	yes

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

4. (a) 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 being recommended at present

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.	10 BHs	11 BHs drilled	
b) Total area covered	10 Hectare	11 Hectare	
ii) Workings (Rule 13)			
a) Opencast/ underground	Opencast	Opencast	
b) Manual/ mechanized	Semi-Mechanised	Semi-Mechanised	
c) No. and size of each pit (L x W x H)	01 pit, 400MtrX130 Mtr	01 pit; about 400MtrX130 Mtr	
d) Bench size (l x w x h) length can be defined as regular or irregular	regular	irregular	
e) Ore to waste ratio pit wise if possible otherwise for mine.	1:0	1:0	
f) Total area covered under excavation/pits	6.8 at the end of Scheme period	About 5.20 ha.	

iii) Waste disposal (Rule 13)	No waste dump	No waste dump
a) Location of dumps	N.A	N.A
b) Method of dumping whether advancing/ retreat	NIL	NIL
c) Total area covered under waste dump		
d) No. & size of each waste dump with number of steps lift/ bench.		
e) Yearly generation of waste quantity.	NIL negligible	NIL negligible
f) Year-wise quantity of top soil removed, utilized & stacked.		

6. Conservation of mineral- both quantitative and qualitative.

i) Mineral (Rule 15)	Ore-10, Waste-nil		
(a) No. of benches in ore and waste	about 100%		
(b) Percentage of recovery of ore pit-wise w.r.t. ROM and total material	about 100%		
ii) Sub-grade mineral/ fines (Rule 16)			
(a) Separate stacking from waste	Separately stacked		
(b) Location of stacking	Western side of the quarry.		
(c) Total area covered for stacking	About 3.43 Hect as below:		
(d) No. and size of each stack	115X114 Mtr 116X65 Mtr 105X60 Mtr 70X30 Mtr 52X25 Mtr	1.710 Hect. 0.75 Hect 0.63 Hect 0.21 Hect 0.13 Hect	165,900-M ³ 82,400-M ³ 53,500-M ³ 12,600-M ³ 6,500-M ³
		3.43 Hect	320950-M ³
(e) Quantity of yearly generation, utilization and total quantity available during inspection with grade.	Year 2014-15 = 5950 te (-55% fines)		
iii) Beneficiation (Rule 20)			
(a) Efforts for improving low grade and sub-grade mineral.	One ore beneficiation plant is being setup; under construction		
iv) Efforts for improving percentage of recovery of ore.	Blending		

7. Environment Management both quantitative and qualitative

i) Land Environment	
(a) Landscape	Hilly Terrene
(b) Aesthetic environment	Satisfactory
(c) Soil and land use pattern	Top soil generation negligible
(d) Agriculture	No Agricultural Land in ML area.
(e) Forest (flora & fauna)	Common local species

(f)	Vegetation	scanty
(g)	Public building, places and monuments (protected monument and historical monument), places of worship and places of tourist interest.	Nil
ii)	Water Environment	Seasonal monitoring of environmental parameters w.r.t. surface water, ground water, air & noise reported being carried out and parameters are reportedly within the permissible limit.
(a)	Surface water	
(b)	Ground water	
(c)	Quality of water	
iii)	Air Environment	Dust suppression arrangement/water spraying was not observed carried during the inspection, thus resulting in spread of dust in the mine.
(a)	Noise	
(b)	Air	
(c)	Climatic condition	
iv)	Socio-economic environment	The inhabitants of the nearby area are mostly tribal people which are benefitted by the regular incomes from mines. Personal protective equipment's are being provided to the workers, also first aid as well as medical facilities are provided. No human settlement in ML area. Not observed any
(a)	Social and demographic profile	
(b)	Recommending health and safety	
(c)	Human settlement	
(d)	Recreational facility	

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

(1) Cost of operation: 1406.1 Rs.per MT.

(2) Production : 114000.000 MT (ROM)

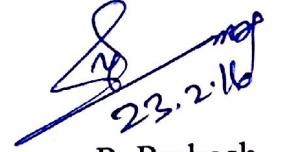
(3) Pit's Mouth Value:

Grade:-	Lumps.	Fines.
Below 55% Fe.		550.00
55% -58% fe	2000.00	
60% to – 62%Fe	2582.00	1411.00
62% -65 %Fe	2600.00	

(5) Stock: 26537.263 (processed ore)

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 letter being endorsed to Director of mines, Odisha.
c)	The Central Government (infrastructure development, mineral policy and legislation, mineral based industry & etc.)	Nil


23.2.16

P. Prakash
Senior Assistant Controller of Mines

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