

MCDR Report

1) Name of Inspecting officer:	Mr. Prem Prakash
2) Designation	Sr. Assistant Controller of Mines
3) Accompanying mine official with designation	Mr. N. R. Satapathy (Mines Manager)
4) Date of Inspection	22/09/2015
5) Date of Previous Inspection	09/03/2015

PART –I GENERAL INFORMATION

1. Name of mine	Nadidih Iron & Mn. Mines
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	Nadidih Iron & Mn. Mines, M/s. Feegrade & Co Pvt. Ltd., Village- Nadidih, Post – Koira, Dist-Sundergarh, PIN-770048, Odisha
d. State	Odisha
e. District	Sundargarh
f. Tehsil/ Taluka	Koira
g. Police station	Koira
h. Village	Nadidih
i. Post	Koira
j. Pin Code	770048
k. FAX	06767-276161
l. E-mail	Rungta_bbl@yahoo.co.in
m. Phone	06767-211143, 277481

2. a) Lease No.	:	
b) Lease area in hect.	:	121.405 Ha
c) Period of lease	:	Up to 31.03.2020
d) Date of expiry.	:	31.03.2020

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

4. Name and address of (including FAX/ E-mail, if any)
- a) Lessee/ owner : M/s Feegrade & Co. (P) Ltd.
Rungta Office, Main Road, Barbil -758035, Dist:-
Keonjhar, Odisha
- b) Nominated owner : Shri M. D. Rustagi, Nominated Owner Rungta
Office, Main Road, Barbil – 758035, Dist: -
Keonjhar, Odisha
- c) Agent with date of appointment : Shri D. R. Ojha, Agent Rungta
Office, Main Road, Barbil-758035, Dist:-
Keonjhar, Odisha
- d) Mining Engineer and geologists appointed under rule 42 of MCDR, 1988 with date of appointment and whether full/ part time with qualification. : Krishna Kumar Pandit,
A.M.I.E (Mining), Full time, Date of appointment :
16/05/2006
Rajesh Kumar Sharma
M.Sc (Geology), Full time, Date of
appointment : 12.07.2004

e) Mine Manager with qualification and date of appointment : Shri Nihar Ranjan Satapathy (First class certifi in competency)
(Mining), Full time, Date of appointment 10/05/2013

5. Details about Mining Plan/ Mining Scheme

- a) Letter No. and date of approval of mining scheme : MSM/FM/06-ORI/BHU/2015-16 Dt:27/07/2015
b) Period of mining plan/ mining scheme in force : Modified Scheme of mining for the year 2015-16

PART II-TECHNICAL DETAILS

1. Details about employment. (up to 31st Aug. 2015)

Maximum number of persons employed on any day during the year(i) below ground (ii) above ground and (iii) in all in the mines :- 207 Persons on 30.06.2015.

Classification	Average daily employment			Average No. of days worked in a year	Remarks
	Direct	Contract	Total		
OPENCAST					
a) Managerial person	14	-	14	94	Mines working reported suspended from 17.05.2014 to 14.05.2015 vide letter dt.17.05.2014 of DDM. Koira
b) Supervisory persons	09	-	09		
c) Workers	09	80	89		
d) Ministerial persons	-	-	-		
e) Employment in plant	-	95	95		
f) Others	48	-	48		
UNDERGROUND					
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)

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) upto 31 st Aug - 2015)	Remarks
General development in the area					Expenditure s mentioned are as reported by the mines manager. Not verified.
a) Housing	-	-	-	-	
b) Water supply	1.20	1.46	1.18	-	
c) Sanitation	52.34	-	48.26	-	
d) Health, safety and medical facilities.	2.38	3	2.38	-	

2	Training/Education	45.11	13.5	20.69	-
3	Employment to local inhabitants	-	-	-	-
4	Infrastructure-public transport, roads, communication and electricity	44.56	211.62	44.56	-
5	Recreation and other sports activities	0.18	0.65	0.18	0.42
6	Expenditure for environment management	23.65	4.70	23.65	-
7	Others (livelihood)	0.07	3.5	0.05	-
	Total	169.49	238.43	140.95	0.42

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
09/03/2015	Violation of rule 13(1) of MCDR,1988 was pointed out vide this office letter of even no., dtd. 31.08.2015, regarding disposal/utilization of fines not observed as per approved Scheme of Mining .	Party has reported compliance vide their letter dtd. 12.10.2015, which is under process.

During current inspection, Violation of MCDR,88 was not observed.

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. - N.A.

Not recommend

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

Item	Proposal (2014-15)	Actual work done (2014-15) or as cumulative applicable	Remarks
i) Exploration (Rule 13)			
a) Type of prospecting and exploration i.e. pitting, drilling etc.	NIL	NIL	
b) Total area covered	NA	NA	
ii) Workings (Rule 13)			
a) Opencast/ underground	Opencast	Opencast	Mines working reported suspended from 17.05.2014 to 14.05.2015 vide letter dt.17.05.2014 of DDM. Koira
b) Manual/ mechanized	Mechanized	Mechanized	
c) No. and size of each pit	Two nos. pits: D-pit & N-pit	Two nos. pits: D-pit & N-pit	
d) Bench size (1 x w x h) length can be defined as regular or irregular	Height-6mtrs. Width- 10 to 12 mtrs.	Height-6mtrs. Width- 10 to 12 mtrs.	
e) Ore to waste ratio pit wise if possible otherwise for mine.	1:0.011	1:0.011	
f) Total area covered under excavation/pits	Not specified for a year	---	

iii) Waste disposal (Rule 13)			Mines working reported suspended from 17.05.2014 to 14.05.2015 vide letter dt.17.05.2014 of DDM. Koira
a) Location of dumps	Dump A&B-S500 to S900 & W1000 Dump C- S 300 to S800 & W600 to W350	Dump A&B-S500 to S900 & W1000 Dump C- S 300 to S800 & W600 to W350	
b) Method of dumping whether advancing/retreat	Retreat	Retreat	
c) Total area covered under waste dump	Not specified for a year	---	
d) No. & size of each waste dump with number of steps lift/ bench.	One no. active dump	One no. active dump	
e) Yearly generation of waste quantity.	33900 cum.	3631.340 cum.	
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 : D pit- 2 nos (Ore), 8nos(Waste)
N pit- 3 nos. (Ore), 1no(Waste)

(b) Percentage of recovery of ore pit-wise w.r.t. ROM and total material: About 100% ore recovery from ROM (Mineralized Zone) during year 2014-15.

ii) Sub-grade mineral/ fines (Rule 16)

(a) Separate stacking from waste : Yes

(b) Location of stacking : Mineral rejects stacked near to dump – C.

(c) Total area covered for stacking – about 0.05 Ha.

(d) No. and size of each stack: 1 number stack of height about 10m.

(e) Quantity of yearly generation:- (2014-15) – Nil (below 55% Fe

iii) Beneficiation (Rule 20)

(a) Efforts for improving low grade and sub-grade mineral:- Dry screening and crushing of low grade of material and blending with high grade material.

iv) Efforts for improving percentage of recovery of ore: - Sorting & sizing

7. Environment Management both quantitative and qualitative

i) Land Environment

(a) Landscape

The lease area is having undulating terrain.

(b) Aesthetic environment

Satisfactory

(c) Soil and land use pattern

Top soil generation negligible

(d) Agriculture

No agriculture land exists within the lease area.

(e) Forest (flora & fauna)

Common local species of Flora and also Fauna of common migratory type are reported.

(f) Vegetation

Mainly bushes and shrubs are found.

(g) Public building, places and monuments (protected monument and historical monument), places of worship and places of tourist interest.

Nil

ii) Water Environment

(a) Surface water

Dead dump slopes within the lease area covered with plants. Waste Dumps are surrounded by retaining wall and garland to arrest silt flow during rainy season.

(b) Ground water

Source of ground water in the area is dug well & Tube wells.

- (c) Quality of water The drinking and domestic water required for daily need is met up through existing bore wells and dug wells.
- iii) Air Environment
- (a) Noise The noise level monitoring in the core zone and residential areas are being carried out.
- (b) Air The air pollution is minimized by providing stationery water sprinkling as well as mobile tanker on haul roads etc. & by using wet drilling technique. Regular air monitoring is also reported being carried out.
- (c) Climatic condition The maximum temperature goes up to 45⁰ C in the month of May and it falls down up to 5⁰ C in the month of December.
- iv) Socio-economic environment
- (a) Social and demographic profile Most of the people in the area depend on mining & agriculture. Mining activities has given employment to local people directly and indirectly.
- (b) Recommending health and safety Health check-up camps are reported to be organized and medicines being provided regularly along with Ambulance service.
- (c) Human settlement Density of population is low.
- (d) Recreational facility Club, Games & Sports facilities are provided in the mine camp area

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

- (1) Cost of production: Rs.511.91 per te.
 (2) Reserve : 30.827 Million Tonnes (111+122)
 (3) Production : 312383.510 te
 (4) Pit's Mouth Value/Ex-Mines Price (Rs./te) – Lump (62-65%)-4132.55, Fines (62-65%)-1580.22
 (5) Stock = 57631.148 te (ROM), 1390767.114 te (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.)	Nil
c)	The Central Government (infrastructure development ,mineral policy and legislation , mineral based industry etc.)	Nil


10.6.16

P. Prakash
Dy. Controller of Mines