

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON/KJR/MCDR-13/BBS

Mine code : 300RI08014

- (i) Name of the Inspecting : **AR**) **SHRI PREM PRAKASH**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 21/05/2015
- (v) Prev.inspection date : 18/09/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **CHAMAKPUR**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
State : ORISSA
District : KEONJHAR
Village : CHAMAKPUR
Taluka : CHAMPUA
Post office : CHAMAKPUR
Pin Code : 758034
FAX No. : 067671-272326
E-mail :
Phone : 06767-273338
- (e) Police Station :
- (f) First opening date : 30/01/1971
2. Address for : AT/PO. CHAMAKPUR
correspondance DIST. KEONJHAR, ORISSA
PIN. 758034, POLICE STATION. CHAMPUA
3. (a) Lease Number : ORI0062
- (b) Lease area : 31.69
- (c) Period of lease : 20
- (d) Date of Expiry : 29/01/2021
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : SRI K.C PRADHAN
 PLOT-1262 ROAD UNIT -IX
 BHUBANESWAR KHURDA ORISSA
 Phone:(0674)402078, 402099
 FAX : (0674)412794

Owner : M/S.K.C.Pradhan.
 PLOT - 1262 ROAD -8 UNIT IX
 BHUBANESWAR KEONJHAR ORISSA
 Phone: (0674)402078. 4
 FAX : (0674)412794

Agent : Sri Siddartha Pradhan
 KHURDA ORISSA
 Phone:
 FAX :

Manager Name : S.K.DAS Qualification : DME(MINING) Appointment/ : 01/03/1996 Termination date

6. Date of approval of Mining : 05/01/2015
 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	2	294
Supervisory	6	294
Others	3	285
Ministrial	1	290
Plant	4	285
Workers	53	294

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					
Sanitation	0.15	0.16	0.16	0.02	
Housing	1.46	1.56	1.57	0.22	
Water supply	20.60	20.75	20.75	2.96	
Health	1.07	1.08	1.10	0.15	
Sub total	23.28	23.55	23.58	3.35	
Infrastructure					
Public transport	4.24	4.25	4.25	0.61	
Sub total	4.24	4.25	23.55	0.61	
Recreation	2.80	2.90	2.90	0.41	
Others	0.36	0.38	0.36	0.05	
Training	0.60	0.65	0.65	0.09	
Environment management	15.50	15.70	15.70	2.24	
Employment	74.86	75.02	74.95	10.71	
Total	121.64	122.48	122.36	17.46	

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

After last inspection on 18.09.2014, Violation of rule 27(4) & 45(7) were pointed out and the same was complied by the lessee.

During current inspection, Violation of rule 13(1) & 33(2) were 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 : About 4 ha.	About 4 ha.	
a.Type of prospecting : 4nos and exploration i.e. (DTH Drilling) pitting, drilling	4nos Drilling)	(DTH

B. Working (Rule 13)

b.Bench : W-3 X H-3 size(LxWxH)length can be defined as regular/irregular	W-3.5 X H-2	
a.Number and size of : .Departmental each pit (LxWxH) pit - 170X70X5 2. Lucky pit - 120X100X6 3. Top Pit - 140X90X13	.Departmental pit - 170X70X5 2. Lucky pit - 120X100X6 3. Top Pit - 140X90X13	
c.Ore to waste ratio : 1:0.04 t/m3 pit wise if possible otherwise for mine	1:0.042 t/m3	
d.Total area covered : 19.742ha under excavation/pits	19.5 ha approx..	

C. Waste disposal (Rule 13)

b.Method of dumping : Retreat whether advancing/retreat	Advancing & retreating	
c.Total area covered : 1.13ha. under waste dump.	1 ha. approx..	
d.No.and size of each : 1no. & 1bench. waste dump with No of steps/lift/bench	1no. & 1bench.	
e.Yearly generation : 23759 MT of waste quantity.	1020MT	

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

Mineral	Production	Unit
IRON ORE	47750	TON

6. Conservation of Mineral - both quantitative and qualitative**Minearl Rule 15**

Percentage of recovery of ore : 97.9%
 pitwise w.r.t. ROM and total
 material

Number of benches in ore and : 4Nos. in Iron ore
 waste. 1 No. in waste

Sub/grd mineral/fines (Rule16)

Total area covered for : 6 ha approx..
 stacking

Number and size of each stack : ED Satck-2.11ha
 Fines stack-3.66ha

Qty of yearly generation and : (2014-15) (-55%Fe) = 4,775 te
 total qty available during
 inspection with grade

Separate stacking from waste : Yes

Location of stacking. : Near 7-8 Pillar & Near Crusher

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. : Hilly, Undulated
- b. Aesthetic environment : Normal
- c. Soil and land use pattern : Top soil negligible
- d. Agriculture : There is no agricultural land within the lease area.
- e. Forest(flora and fauna) : The entire lease areareportedly broken up prior to 1980.
- f. Vegetation : Except some plantation there is no vegetation within the lease area.
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : No Public building, Places and monuments (protected monument and historical monument), places of worship and places of tourist interest exist within the lease area.

B Water environment.

- a. Surface water : Surface runoff water in rainy season is controlled by check dam, garland drain to prevent washing of loose materials to nearby low lying areas.
- b. Ground water : Not intersected yet by mining.
- c. Quality of water : potable

C. Air environment

- a. Noise : Drilling & blasting is not required for the mines as the ore is soft in nature. Noise level is below the permissible limit.
- b. Air : spraying water of water over haul road & dumps being carried out to control air pollution.
- c. Climatic condition : Good

D. Socio economic environment

- a. Social and demographic profile. : All the workers are from nearby villagers. As there is not much of agriculture activity in the region, the local population is dependent on mining and associated service sector for their livelihood.
- b. Recommending health and safety. : Periodical medical health checkup is being done to the workers.
- c. Human settlement : Not within lease area
- d. Recreational facility. : Reportedly, sports equipment are being provided to the children. Local festival are celebrated with the help of financial assistance.

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.

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

<u>Air data for excess parameters</u>				
Season	Station name	Type of area	Parameter	Value Actual Excess

<u>PLANTATION DURING THE PREVIOUS YEAR</u>	<u>2014 - 2015</u>
	Area in Hect.

<u>TOP SOIL MANAGEMENT</u>
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 already carried out during last inspection.

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