

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/CR/JJP/MCDR-10/BBS

Mine code : 11ORI19011

- (i) Name of the Inspecting : **CMHA**) **SHRI L H CHHANGTE**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : R.K. Mohapatra, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 14/05/2013
- (v) Prev.inspection date : 18/11/2010

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **CHINGUDIPAL**
- (b) Category : B Manual
- (c) Type of Working : Opencast
- (d) Postal address
State : ORISSA
District : JAJPUR
Village : CHINGUDIPAL
Taluka : SUKINDA
Post office : KALIAPANI
Pin Code : 755028
FAX No. : (06726) 220113
E-mail :
Phone : (06726) 68139,68143,68142,
- (e) Police Station :
- (f) First opening date : 10/12/1997
2. Address for : CHINGUDIPAL CHROMITE MINE, M/S IMFA LTD
correspondance P.O.CHINGUDIPAL / KALIAPANI, DIST: JAJPUR
ORISSA- 755019
3. (a) Lease Number : ORI0234
- (b) Lease area : 26.62
- (c) Period of lease : 20
- (d) Date of Expiry : 24/02/2006
4. Mineral worked : CHROMITE Main

5. Name and Address of the

Lessee : M/S IMFA
 IMFA LTD AT . BOMIKHAL P.O
 Bhubaneswar KHURDA ORISSA
 Phone:
 FAX :

Owner : INDIAN METALS& FERRO ALLOYS LIMITED
 BOMIKAL PO. RASULGARH
 BHUBNESHWAR ORISSA
 Phone: 580100
 FAX : 580145,580020

Agent : P.K. MOHANTY
 C/O IMFA LTD. MINING
 DIVISION AT/PO JAJPUR ROAD
 JAJPUR ORISSA
 Phone: 0674- 581100,580125
 FAX : 0674-580145, 58

Mining Engineer

Name : DEBASHIS DAS,Full Time
 Qualification : B . E . (MINING)
 Appointment/ : 17/03/2003
 Termination date

Mining Engineer

Name : A.K.SINGH,Full Time
 Qualification : B.E MINING
 Appointment/ : 03/04/2002
 Termination date

Geologist

Name : S.M.PATRO,Full Time
 Qualification : M.Sc (GEOLOGY)
 Appointment/ : 10/12/1997
 Termination date

Manager

Name : N.K.MISHRA
 Qualification : FIRST CLASS MINES MANAGER. DIPLOMA IN MI
 Appointment/ : 10/12/1997
 Termination date

6. Date of approval of Mining : 07/05/2007
 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	1	305
Supervisory	2	

CONTRACT

Workers

5

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					
Health		0.67		6.37	
Water supply		4.12		31.65	
Sub total		4.79		38.02	
Infrastructure					
Sub total			4.79		
Training			4.67	22.15	
Environment management			1.21	2.48	
Total			10.67	62.65	

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

This mine was inspected last under MCDR 1988 on 18/11/2010 where certain violation of rules were pointed out like 13(1)- for not carrying out exploration as proposed , undr development and non stabilisation of dump. The party had responded on 30/12/2010 and considered complied with . Again on 24/07/2012 , violation of rule 45(5)(a)(iv) issued based on office record . The same has been responded positively on 6/8/2012. during the present inspection NO fresh violation has been pointed out.

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, 19888, if recommended.

Not recommended as of now

5. Scientific Mining

Items	Proposal	Actual work done	Remarks
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A. Exploration (Rule 13)

a.Type of prospecting : NIL and exploration i.e. pitting, drilling		NIL	
b.Total area covered : Not Available in MP/SoM		NA	

B. Working (Rule 13)

a.Number and size of : One pit each pit (LxWxH)		Developed one pit as well measuring about 275m long x 175 m wide and 45m at its deepest point	
b.Bench : Height 1.5m and size(LxWxH)length can width 2.5m be defined as regular/irregular		Developed as proposed , found regular in shape and size	
c.Ore to waste ratio : 1: 5.69 pit wise if possible otherwise for mine		1:6.5	
d.Total area covered : 300m long x 200m under excavation/pits wide		Developed 275m long x 175 m wide pit	

C. Waste disposal (Rule 13)

a.Location of dumps : E-900/ N-1300		Developed as proposed	
e.Yearly generation : 56000 CuM for of waste quantity. 2012-13		NIL as the mine was closed during the year.	
b.Method of dumping : Advancing whether advancing/retreat		Advancing	
c.Total area covered : 200m x 100m under waste dump.		Development of dump has reached 150m x 100m only	
d.No.and size of each : One , 200m x 100m waste dump with No of , 3 steps steps/lift/bench		Developed so far 150m x 100m of 2 steps 8m each	

D. Production

b.Year wise : 2012-13 was 11,000 production of last MT five year.		NIL, no work during the year	
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D. Reserve

a.Reserve position as : 5,50,000 MT per latest MP/MS and at the time of inspection.		At the time of inspection / as calculated on 01/04/2013 , the reserves was 5,28,600 MT	
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RESERVE POSITION AS ON 01/04/2013**CHROMITE**

Category	Quantity in Tonnes	Grade
Proved	197850	+10 %Cr2O3
Probable	20250	
Possible	310500	
Total	528600	+10% Cr2O3

PRODUCTION FOR THE PREVIOUS YEAR 2012 - 2013

Mineral	Production	Unit
CHROMITE	0	TON

6. Conservation of Mineral – both quantitative and qualitative**Beneficiation (Rule 20 and 26)**

Efforts for improving low grade and sub grade mineral. : None except manual sorting and sizing at the working faces

Efforts for improving percentage of recovery of ore. : None except manual means of sorting and sizing

Mineral Rule 15

Percentage of recovery of ore : Only 20% of total material handled pitwise w.r.t. ROM and total material

Number of benches in ore and waste. : There are 5 nos of benches in OB and only 2 benches in Ore

Sub/grade mineral/fines (Rule 16)

Qty of yearly generation and total qty available during inspection with grade :

Number and size of each stack : One , 90m x 60m

Location of stacking. : Near the entrance of the Lease at the southern part

Separate stacking from waste : Yes, there is separate stacking of ores and wastes

Total area covered for stacking : 90 m x 60m only

Exploration data as on 31/03/ 2013

No. of Boreholes	No. of Pits	No. of Trenches
27		

OVERBURDEN HANDLED DURING PREVIOUS YEAR 2012 – 2013

Overburden/waste removed (in m3) :	0
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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. : Affected to the extent of exploitation by way of pits and dumps
- b. Aesthetic environment : Not affected siugnificantly
- c. Soil and land use pattern : Practically no top soil is generated here
- d. Agriculture : No or little agricultural activity in and around the ML
- e. Forest(flora and fauna) : No significant flora and fauna
- f. Vegetation : Scanty vegetation in and around the ML
- h. Public building, places and monuments (protected, historical), placec of worship and places of tourist : None to be found in the periphery

B Water environment.

- a. Surface water : Natural draingae is not much affected
- b. Ground water : No ground water encountered so far. But the pit was found to be water logged during nthis inspection
- c. Quality of water : Potable where ever found

C. Air environment

- a. Noise : Well within permissible limits
- b. Air : No air pollution here due to limited mining activities
- c. Climatic condition : Warm temperate climate not affected in any way

D. Socio economic environment

- a. Social and demographic profile. : Local people either depend directly or indirectly to these cluster of mining activities in the area
- b. Recommending health and safety. : No helath problem due to this mining reported so far
- c. Human settlement : Not affected and are being depepndent on local mining industry
- d. Recreational facility. : Limited recreational facilities found in the mining colony

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>2012 - 2013</u>
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Area in Hect.

TOP SOIL MANAGEMENT

Quantity as on 31/03/2013

8. Scrutiny of annual returns on cost of production, reserve, production, pit mouth value, stock, land use pattern and fixed assets.

AR 2012-13 submitted with NIL production , as the mine has been closed due to want of forest clearance since 25/09/2004.

PART - III : PERFORMANCE OF MINE OWNER

(In case of lease expiring within 2 years - as per guidelines)

a. Compliance of terms and conditions of lease deed.

Not applicable as the ML is being worked on Deemed Renewal. The ML already expired on 24/02/2006.

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.)

NIL

The Central Government (Infrastructure, Development, Mineral policy and Legislation, Mineral based industry, etc.)

NIL

Date :

(SHRI L H CHHANGTE)

Indian Bureau of Mines