

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON/KJR/MCDR-24/BBS

Mine code : 40ORI08048

- (i) Name of the Inspecting : **CHHA**) **SHRI L H CHHANGTE**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Shri G. Singh, Lessee's representative
Official with
Designation
- (iv) Date of Inspection : 31/01/2016
- (v) Prev.inspection date : 18/09/2013

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **JAJANG**
- (b) **Registration NO.** :
- (c) Category : A Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : ORISSA
District : KEONJHAR
Village : JAJANG
Taluka : BARBIL
Post office : JAJANG
Pin Code :
FAX No. :
E-mail :
Phone : 9437180133
- (f) Police Station :
- (g) First opening date : 15/03/1965
- (h) Weekly day of rest : TUE
2. Address for : JAJANG IRON & MN MINES, M/S H.G.PANDYA & OTHERS
correspondance P.O.JAJANG, DIST:KEONJHAR
ORISSA-758052
3. (a) Lease Number : ORI0060
- (b) Lease area : 100.17
- (c) Period of lease : 20
- (d) Date of Expiry : 01/06/2013
4. Mineral worked : MANGANESE ORE Associated
IRON ORE Main

5. Name and Address of the

Lessee : M/SH.G.PANDYA
 H.G.PANDYA & OTHERS
 AT/PO.BARBIL KEONJHAR
 ORISSA
 Phone:75834
 FAX :

Owner : Sri.H.G.Pandya
 AT POST:BARBIL
 DIST:KEONJHAR KEONJHAR
 ORISSA
 Phone: 75834
 FAX :

Mining Engineer

Name : S.K.PRADHAN,Full Time
 Qualification : BE MINING
 Appointment/ : 20/11/2003
 Termination date

Mining Engineer

Name : S.K.GUPTA,Full Time
 Qualification : AMIE (MINING)
 Appointment/ : 01/07/2000
 Termination date

Geologist

Name : T.K.BASU,Part Time
 Qualification : Msc Geology
 Appointment/ : 01/10/1991
 Termination date

Geologist

Name : J.P.MAHATO,Part Time
 Qualification : MSC GEOLOGY
 Appointment/ : 01/11/2002
 Termination date

Manager

Name : M.SAMAL
 Qualification : AMIE(FCC)
 Appointment/ : 16/03/1993
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	20/04/2000
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	03/12/2004
		Modif.approved Mining Scheme	21/10/2008
		Mining Scheme rule 12 MCDR1988	19/03/2010
		Renewal under rule 24 MCR1960	12/12/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	5 bore holes	NONE	Mine was closed since 5th November, 2009
1b	Exploration over lease area for geological axis 1 or 2	50 ha	23.75 ha only	Mine closed since 2009
1e	Balance reserve as on 01/04/20	Manganese (111,121,122) - 11,30,000 MT and Iron ore - 34,70,000 MT	Same as given in their approved MP	
1f	General remarks of inspecting officers on geology, exploration etc			The mine has been closed since 5th December 2009. Hence , no development , no production in this mine

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Combination of Pit 1 & 3 at the Central part of the ML	Developed as proposed	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed	Separate benches in OB and Ore in vogue	
2c	Stripping ratio or ore to OB ratio	For Manganese 1:0.20 and for Iron ores 1 :0.50	For Mn 1:0.25, Iron 1: 0.40	The mine was closed since 15/11/2009
2d	Quantity of topsoil generation in m3	NIL	NOne	
2e	Quantity of overburden generation in m3	NIL	None	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	The mine has been closed since November 2009
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 Large pit , combination of Pits 1 & 3	Developed as proposed	
3b	Quantity of ROM mineral production proposed	10,000MT of Mn and 3,50,000 MT of Iron for 2014-15	NIL	Mine was closed
3c	Recovery of sailable/usable mineral from ROM production	90% for Iron ores and 35% only for Manganese	80-85% recovery from ROM when in operation and 35% for Mn	
3d	Quantity of mineral reject generation	10-15%	None	
3e	Grade of mineral rejects generation and threshold value declared.	Reject of Mn was -25% Mn , 155% for Iron ores as these are also Threshold values	NIL	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual and semi mechanised	Manual in vogue	
3j	Provision of drilling and blasting in mineral benches	Porposed	Drilling and blasting of holes in benches done	
3k	Provision of mining machineries in mineral benches	Yes	machineries are being deployed in benches	

3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6m high, 6-9m wide benches proposed	Developed as proposed and found suitable for the nature of Mining in this mine	
3m	Total area covered under excavation/pits	18.28 ha during 2014-15	Actual was 17.64 ha consisting of 15 ha for Pits 1 & 3 combined and 2.64 ha for Pit 2 (which is not proposed to be worked)	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.2 for Mn , 1:0.50 for Fe	Actual was 1:0.25 for Mn, 1: 0.45 for Fe	
3o	Total area put in use under different heads at the end of year	Pits- 18.28 ha, Dumps - 12.56 ha, Stackings - 5 ha	Developed as proposed more or less	Except that the mine was closed since November 2019
3p	Production of ROM mineral during the last five year period as applicable	3,50,000 MT of Iron and 10,000 MT of Mn during 2014-15	NIL	
3q	General remarks of inspecting officers on method of mining etc.			The mine was closed since November 2011 due to statutory orders

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed	Separate OB dumpings, Rejects in vogue	
4b	Location of topsoil, OB and mineral reject dumps	2 dumps near Pit -2 and another one near Pit 1 & 3 combined	Developed as proposed	

4c	Number of dumps within lease area and outside of lease area	2 nos within the ML	Developed as proposed	
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining walls prosed around the 2 nos of dumps	Retaining wall as proposed erected all along the dumps	
4k	Specific comments of inspecting officer on waste dump management			There has been no edverse effect in solid wastes handling in this mine

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Not proposed	None	NO matured area for the same
5e	General remarks of inspecting officers on backfilling and reclamation etc.			There is no area as such matured for reclamation and back filling as on date. The developemnt of the mine has been much delayed due to closure of the mine from November 2009 due to court orders

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Submitted	No concrete work under PMCP due to stoppage of the mine	

6e	Cumulative no .of plants	Non specific	2500 saplings planted till date
6p	Compliance of environmental monitoring (core zone and buffer zone)	Routine monitoring proposed	Monitoring has been carried out on a routine basis and also as and when need while the mine was in operations

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Specific proposals given	NIL production as well as despatch , since the mine was closed since November 2009	
7c	Different grade of mineral sorted out at mines.	+ 25 % Mn and + 45 Fe ores proposed	Ores of specified grade was worked here in the mine while the mine was working	
7d	Any beneficiation process at mines	Non specified	Only Manual sorting in vogue	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No rproblem with conservation of mineral but the mine was closed since November 2009

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	None	Practically NO TOP soil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	Seperate dumpings for OB , Fines etc in vogue	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Non specified	None as there is no scope in this mine	
8g	Survival rate	80%	Actual 60%	Top soil is very thin and almost NIL , hence survival rate seems to be poor here

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Proposed	NIL Returns are submitted regularly since 2009-10	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Proposed	Recently majority of the statutory employees have been retrenched on 31/01/2012 itself due to long closure of the mine since November 2009	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Porposed	Closing balance of iron ore = 157.20 MT , No stock of manganese ore in the mine as on date of inspection	
9h	Scrutiny of Annual return on fixed assets	Porposed	Assets procured and disposed	Bare minimum of asstes have been maintained in this mine.

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show cause position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on

Date :

(SHRI L H CHHANGTE)

Indian Bureau of Mines