

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON/SNG/MCDR-11/BBS

Mine code : 30ORI13035

- (i) Name of the Inspecting : **CHHA**) **SHRI L H CHHANGTE**
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sri S.K. Gupta , Agent
Official with
Designation
- (iv) Date of Inspection : 10/10/2015
- (v) Prev.inspection date : 28/02/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **RAIKELA & TANTRA**
- (b) **Registration NO.** :
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
State : ORISSA
District : SUNDARGARH
Village : RAIKELA
Taluka : BONAI
Post office : DENGULA
Pin Code : 770048
FAX No. :
E-mail :
Phone : 06767-275621
- (f) Police Station :
- (g) First opening date : 01/08/1991
- (h) Weekly day of rest : SAT
2. Address for : PO.DENGULA
correspondance VILL: RAIKELA
VIA.KOIRA,TQ.BONAI,DIS.SUNDERGARH,PIN.770048
3. (a) Lease Number : ORI0725
(b) Lease area : 49.37
(c) Period of lease : 20
(d) Date of Expiry : 02/12/2026
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : PENGUIN TRADING & AGENCIES LTD.
 PENGUIN TRADING AGENCIES
 CHATTERJEE INTER NATIONAL
 18 FLOOR 33AJ.N.ROAD KOLKATA
 WEST BENGAL
 Phone: 033-2267866
 FAX :

Owner : PENGUIN TRADING AGENCIES
 CHATTERJEE INTERNATIONAL
 18TH FLOOR, 33A JAWAHARLAL
 NEHRU ROAD KOLKATA WEST
 BENGAL
 Phone:
 FAX : 033-2267866

Agent : S.K.GUPTA
 C/O RAIKELA TANTA IRON MINE
 , M/S PT&A LTD KEONJHAR
 ORISSA
 Phone: 06767 75621
 FAX :

Mining Engineer

Name : H.S.PATNAIK, Full Time
 Qualification : A.M.I.E AND 2nd class mines managers cer
 Appointment/ :
 Termination date

Manager

Name : A.K.PANDA
 Qualification : FOREMAN COMPETENCY FROM DGMS
 Appointment/ : 04/02/2002
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	08/02/2002
Plan/Scheme of Mining	:	Renewal under rule 24 MCR1960	28/04/2006
	:	Modif.of approved Mining Plan	22/12/2009
	:	Modif.of approved Mining Plan	28/09/2010
	:	Mining Scheme rule 12 MCDR1988	17/03/2011
	:	Modif.approved Mining Scheme	13/06/2012
	:	Modif.approved Mining Scheme	17/10/2014

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1d	Balance area to be explored to bring Geological axis in 1 or 2	Yes	About 60% of the M1 area has been explored under G 1 & 2	
1f	General remarks of inspecting officers on geology, exploration etc		NO lagging in exploration	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	Seperate benches in Ob and Ores	
2c	Stripping ratio or ore to OB ratio	1:0.75	Actual was 1:0.70	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development is found to be in commensurate with the prodction of the mine

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3c	Recovery of sailable/usable mineral from ROM production	90%	Actual recovery was to the tune of 80% of ROM	
3h	Manual / Mechanised method adopted for segregating from ROM	Both manual and mechanised	Mostly manual	
3j	Provision of drilling and blasting in mineral benches	Yes	Controlled drilling in vogue	

3k	Provision of mining machineries in mineral benches	Yes	adequate machineries deployed even in benches
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Given	6m high, 9-12 m wide benches developed
3o	Total area put in use under different heads at the end of year	Given	land use pattern followed as proposed in their MP
3q	General remarks of inspecting officers on method of mining etc.		scientific exploitation observed

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Separate dumpings in vogue	
4e	Number of active and alive dumps.	Yes	All dumps are within the Ml and well outside the UPL	
4h	Whether Retaining wall or garland drain all along dumps are there.		All dumps have been retained properly	
4k	Specific comments of inspecting officer on waste dump management			No problem in dumping

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
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5b	Area under backfilling of mined out area	NIL	No matured land available for the same	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Only phase reclamation in vogue in this mine

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).	yes	Return on PMCP submitted regularly	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		All provisions of PMCP have been complied with satisfactorily	

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Yes	Both manual and mechanical	
7d	Any beneficiation process at mines .	NIL	No beneficiation except hand sorting	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No problem with conservation of mineral

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	No top soil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	seperate dumpings in vogue	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	Only phase reclamation in practice where ever possible	
8h	Water sprinkling on roads to control airborne dust		Dust supression by wter tanker sprinkling	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Aesthetic beauty not adversely affected	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	Monthly and Annual returns submitted to IBm on a regula r basis	
9k	Scrutiny of Annual return on mining machineries		All entries in their returns have been scrutinised and found in order	

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

Violation observed			Show couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
Rule 13(1)	16/10/2015	17/11/2015			

Date :

(SHRI L H CHHANGTE)

Indian Bureau of Mines