

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

**MCDR INSPECTION REPORT**

**Bhubaneshwar regional office**

**Mine file No :** ORI/IRON-MN/SNG/MCDR-18/BBS

**Mine code :** 30ORI13024

- (i) Name of the Inspecting : **CHHA** ) **SHRI L H CHHANGTE**  
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sri Nilamani Patel , Mines Manager  
Official with  
Designation
- (iv) Date of Inspection : 05/06/2015
- (v) Prev.inspection date : 19/09/2014

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SAN INDPUR**
- (b) **Registration NO.** :
- (c) Category : A Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : SUNDARGARH
- Village : SAN INDPUR
- Taluka : BONAI
- Post office : PATMUNDA
- Pin Code :
- FAX No. : 06767-75631
- E-mail :
- Phone : 06767-75321
- (f) Police Station :
- (g) First opening date : 02/12/1980
- (h) Weekly day of rest : SAT
2. Address for : SAN INDPUR IRON-MN MINE  
correspondance PO: PATMUNDA; DIST: SUNDERGARH  
ORISSA
3. (a) Lease Number : ORI0137
- (b) Lease area : 70.92
- (c) Period of lease : 20
- (d) Date of Expiry : 09/09/2020
4. Mineral worked : MANGANESE ORE Associated  
IRON ORE Main

## 5. Name and Address of the

Lessee : M/S NATIONAL ENTERPRISES  
 PO.BOX 44 BARBIL- 758035  
 KEONJHAR ORISSA  
 Phone:75321  
 FAX :75631

Owner : NATIONAL ENTERPRISES  
 PO BOX :44 BARBIL KEONJHAR  
 ORISSA  
 Phone: 06767-75321  
 FAX : 06767-75631

## Mining Engineer

Name : SANJEEV KUMAR,Full Time  
 Qualification : B.E.(MINING)  
 Appointment/ :  
 Termination date

## Mining Engineer

Name : B.K. CHOWDHURY,Full Time  
 Qualification : DEGREE IN MINING ENGINEERING  
 Appointment/ : 01/11/2001  
 Termination date

## Manager

Name : N.A.KHAN  
 Qualification : B.Sc PERMIT MANAGER  
 Appointment/ :  
 Termination date

## Manager

Name : P. NAYAK  
 Qualification : MATRICULATION WITH PERMIT CERTIFICATE HC  
 Appointment/ : 01/11/2001  
 Termination date

6. Date of approval of Mining	:	Renewal under rule 22 MCR1960	27/02/2001
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	20/12/2007
		FMCP under 23C(1)	20/12/2007
		Mining Scheme rule 12 MCDR1988	08/06/2010
		Mining Scheme rule 12 MCDR1988	15/05/2015

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	18 bore holes	Drilled only 11 holes during 2014-15	
1b	Exploration over lease area for geological axis 1 or 2	25 ha	16.45 ha explored under G 1 & 2	
1d	Balance area to be explored to bring Geological axis in 1 or 2	55.0 ha	Remains 55.0 ha unexplored under G 1 & 2	FC not available
1f	General remarks of inspecting officers on geology, exploration etc			Exploration is lagging mainly due to non availability of FC

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area of the ML	3 pit in the central part	Developed as proposed	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Yes	OB and Ores have separate benches	
2c	Stripping ratio or ore to OB ratio	1:0.103	1:0.12	
2d	Quantity of topsoil generation in m <sup>3</sup>	1354 CuM	NIL as the mine was not operated during last year	
2e	Quantity of overburden generation in m <sup>3</sup>	42085 CuM	NIL	The mine was not worked during last year
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The approach to development of the deposit is satisfactory but the progress has been very slow

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	3 pits	3 pits developed all over the ML area as proposed	
3b	Quantity of ROM mineral production proposed	410085 MT	NIL	Mine closed due to statutory problems
3c	Recovery of sailable/usable mineral from ROM production	80%	80%	
3f	Quantity of sub grade mineral generation.	428380 CuM	NIL during the year	
3h	Manual / Mechanised method adopted for segregating from ROM	Both mechanised	Mostly manual	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Benches were maintained at 6m high and 10m wide	
3m	Total area covered under excavation/pits	19.75 ha	12.55 ha only	
3q	General remarks of inspecting officers on method of mining etc.			Approach is scientific but the progress is slow

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes	Seperate dumpings for OB and Fines	
4b	Location of topsoil, OB and mineral reject dumps	3 nos of dumps	All the 3 dumps are near to the 3 pits	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Yes	All the 3 dumps are well outside the UPL	
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	All dumps are being strongly retained	
4i	Length of Retaining wall or garland drain all along dumps	1000m	Presently the retaining put together of all the 3 retaining walls have been around 875 m only	
4k	Specific comments of inspecting officer on waste dump management			No problem with waste dump management

#### 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.	NIL	None. No area has been fully exploited	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Yes	In vogue where ever possible	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No concrete work has been started in this regard

#### Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	Submitted to IBM on a regular basis	
6e	Cumulative no. of plants	50,000 plants	Till date the cumulative no plants so far has been 32300 plants covering an area of 12 ha within the ML with a survival rate of 50%	
6f	Any other method of rehabilitation	NIL	None except natural growth of plants	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	Routine monitoring carried out	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			provisions given in the PMCP have been complied with as far as possible

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7c	Different grade of mineral sorted out at mines.	Manual and mechanical	Mostly manual	
7d	Any beneficiation process at mines .	NIL	No except hand sorting	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No problem with mineral conservation

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## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	No top soil here	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Yes	Seperate dumpings for OB and Fines made	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Yes	In practice when ever possible	
8h	Water sprinkling on roads to control airborne dust	Yes	Tank lorry water sprinkling on haul road	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			The aesthetic beauty of the area has not been unduly affected

## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	Monthly/ Annual Return being submitted to IBM on a regular basis	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Yes	Statutory employment have been made	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Yes	Details of proposal for land use pattern has been followed judiciously
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Details given	Production - NIL , Closing stock - 245088.290 MT
9h	Scrutiny of Annual return on fixed assets	Given	Assets estimated at Rs 166429813 MT
9k	Scrutiny of Annual return on mining machineries	Yes	Adequate mining machineris have been deployed

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**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

**Date :**

(SHRI L H CHHANGTE)

Indian Bureau of Mines