

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

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/IRON/MB/MCDR-12/BBS

Mine code : 30ORI10012

- (i) Name of the Inspecting : **RAM**) **RAMKISHAN R**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri Manoj Kumar Pal, Lessee's representative
Official with
Designation
- (iv) Date of Inspection : 09/11/2019
- (v) Prev.inspection date : 24/07/2019

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **NANGALSHILA**
- (b) **Registration NO.** : **IBM/5853/2011**
- (c) **Category** : A Other than Fully Mech.
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : ORISSA
- District : MAYURBHANJ
- Village : NANGALSHILA
- Taluka : RAIRANGPUR
- Post office : UKAM
- Pin Code : **757043**
- FAX No. :
- E-mail : bikashchoubey7@gmail.com
- Phone : 9437239426
- (f) **Police Station** : **Raikalapur**
- (g) **First opening date** : 02/02/1992
- (h) **Weekly day of rest** : SAT
2. **Address for** : VILL..NANGALSHILA
correspondance PO.UKAM
DIST: MAYURBHANJ, ORISSA, PIN 757 054
3. (a) **Lease Number** : ORI0114
- (b) **Lease area** : ~~184.76~~ **495.931 ha**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **28/07/2001 18/4/2005**
4. **Mineral worked** : IRON ORE Main

5. Name and Address of the

Lessee : GAURISHANKAR CHOUBEY
C/O D.C.DAS AT/PO.BALDA
ROAD MAYURBHANJ ORISSA
Phone:
FAX :

Owner : G.S.CHOUBEY
C/O D.C DAS AT/PO.BALDA
ROAD MAYURBHANJ ORISSA
Phone:
FAX :

6. Date of approval of Mining : Renewal under rule 24 MCR1960 25/08/2006
Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No valid proposal. the last approved mining plan period was up to the year 2014-15.	The mine is not in working condition as the mine operations were suspended by mining officer, Baripada circle since the year 2009 due to non-availability of statutory clearances. further state Government of Odisha had lapsed the lease w.e.f. 18.11.2011 vide their letter dated 25.06.2015.	Nil
1b	Exploration over lease area for geological axis 1 or 2	No valid proposal. the last approved mining plan period was up to the year 2014-15.	Not applicable	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year		Not applicable	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No valid proposal. the last approved mining plan period was up to the year 2014-15.	Not applicable	
1e	Balance reserve as on 01/04/20	No valid proposal. the last approved mining plan period was up to the year 2014-15.	As per the approved documnet on dated 28.10.2011, the proved iron reserves are under UNFC category 111: 788739 t and resources under 332: 404950 t and 333: 202475 t.	

1f	General remarks of inspecting officers on geology, exploration etc	The minearlisation observed in the lease area during field inspection is float type of iron ore deposit in nature and is found to be associated with lateritice soil.	The mine is not in working condition as the mine operations were suspended by mining officer, Baripada circle since the year 2009 due to nonavailability of statutory clearances. further state Government of Odisha had lapsed the lease w.e.f. 18.11.2011 vide their letter dated 25.06.2015.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No valid proposal. the last approved mining plan period was up to the year 2014-15.	No mine developement carried out during the year 2018-19 as the mine is not in working condition as the mine operations were suspended by mining officer, Baripada circle since the year 2009 due to non-availability of statutory clearances.further state Government of Odisha had lapsed the lease w.e.f. 18.11.2011 vide their letter dated 25.06.2015.	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No valid proposal. the last approved mining plan period was up to the year 2014-15.	Not applicable	

2c	Stripping ratio or ore to OB ratio	No valid proposal. the last approved mining plan period was up to the year 2014-15.	Not applicable	
2d	Quantity of topsoil generation in m3	No valid proposal. the last approved mining plan period was up to the year 2014-15.	Not applicable	Nil
2e	Quantity of overburden generation in m3	No valid proposal. the last approved mining plan period was up to the year 2014-15.	Not applicable	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		The mine is not in working condition as the mine operations were suspended by mining officer, Baripada circle since the year 2009 due to non-availability of statutory clearances. further state Government of Odisha had lapsed the lease w.e.f. 18.11.2011 vide their letter dated 25.06.2015.	Nil

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
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3a	Number of pit proposed for production	No valid proposal. the last approved mining plan period was up to the year 2014-15.	The mine is not in working condition as the mine operations were suspended by mining officer, Baripada circle since the year 2009 due to non-availability of statutory clearances. further state Government of Odisha had lapsed the lease w.e.f. 18.11.2011 vide their letter dated 25.06.2015.
3b	Quantity of ROM mineral production proposed	No valid proposal. the last approved mining plan period was up to the year 2014-15.	Not applicable
3c	Recovery of sailable/usable mineral from ROM production	Not applicable Nil	
3d	Quantity of mineral reject generation	Not applicable Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable Nil	
3f	Quantity of sub grade mineral generation.	Not applicable Nil	
3g	Grade of sub grade mineral generation	Not applicable Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	Not applicable Nil	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not applicable Nil	
3j	Provision of drilling and blasting in mineral benches	Not applicable Nil	
3k	Provision of mining machineries in mineral benches	Not applicable Nil	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Not applicable Nil	
3m	Total area covered under excavation/pits	Not applicable Nil	
3n	Ore to OB ratio for the pit/mine during the year.	Not applicable Nil	
3o	Total area put in use under different heads at the end of year	Not applicable Nil	
3p	Production of ROM mineral during the last five year period as applicable	2018-19: No valid proposal 2017-18: No Valid proposal 2016-17: No Valid proposal 2015-16: No Valid proposal. 2014-15: 90720 t	The mine is not in working condition as the mine operations were suspended by mining officer, Baripada circle since the year 2009 due to non-availability of statutory clearances. further state Government of Odisha had lapsed the lease w.e.f. 18.11.2011 vide their letter dated 25.06.2015.

3q	General remarks of inspecting officers on method of mining etc.	No production carried out as the mine is not in working condition as the mine operations were suspended by mining officer, Baripada circle since the year 2009 due to non-availability of statutory clearances. further state Government of Odisha had lapsed the lease w.e.f. 18.11.2011 vide their letter dated 25.06.2015.
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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No valid proposal. the last approved mining plan period was up to the year 2014-15.	The mine is not in working condition as the mine operations were suspended by mining officer, Baripada circle since the year 2009 due to non-availability of statutory clearances. further state Government of Odisha had lapsed the lease w.e.f. 18.11.2011 vide their letter dated 25.06.2015.	
4b	Location of topsoil, OB and mineral reject dumps	Not applicable	Nil	
4c	Number of dumps within lease area and outside of lease area	Not applicable	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not applicable	Nil	
4e	Number of active and alive dumps.	Not applicable	Nil	
4f	Number of dead dumps.	Not applicable	Nil	

4g	Number of dumps established.	Not applicable Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not applicable Nil	
4i	Length of Retaining wall or garland drain all along dumps	Not applicable Nil	
4j	Number of settling ponds	Not applicable Nil	
4k	Specific comments of inspecting officer on waste dump management		The mine is not in working condition as the mine operations were suspended by mining officer, Baripada circle since the year 2009 due to non-availability of statutory clearances. further state Government of Odisha had lapsed the lease w.e.f. 18.11.2011 vide their letter dated 25.06.2015.

Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No valid proposal. the last approved mining plan period was up to the year 2014-15.	Not applicable	Nil
5b	Area under backfilling of mined out area	Not applicable Nil		
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not applicable Nil		

5d	Total area fully reclaimed and rehabilitated	Not applicable Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	The mine is not in working condition as the mine operations were suspended by mining officer, Baripada circle since the year 2009 due to non-availability of statutory clearances. further state Government of Odisha had lapsed the lease w.e.f. 18.11.2011 vide their letter dated 25.06.2015.

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).	No valid proposal. the last approved mining plan period was up to the year 2014-15.	Not applicable	Nil
6b	Area available for rehabilitation (ha) .	Not applicable Nil		
6c	afforestation done (ha).	Not applicable Nil		
6d	No. of saplings planted during the year	Not applicable Nil		
6e	Cumulative no .of plants	Not applicable Nil		
6f	Any other method of rehabilitation	Not applicable Nil		
6g	Cost incurred on watch and care during the year	Not applicable Nil		

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not applicable Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not applicable Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Not applicable Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not applicable Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not applicable Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not applicable Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not applicable Nil

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not applicable Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	No valid proposal. the last approved mining plan period was up to the year 2014-15.	Not applicable
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		No PMCP measures carried out as the mine is not in working condition as the mine operations were suspended by mining officer, Baripada circle since the year 2009 due to non-availability of statutory clearances. further state Government of Odisha had lapsed the lease w.e.f. 18.11.2011 vide their letter dated 25.06.2015.

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No valid proposal. the last approved mining plan period was up to the year 2014-15.	Not applicable	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not applicable Nil		
7c	Different grade of mineral sorted out at mines.	Not applicable Nil		

7d	Any beneficiation process at mines .	Not applicable Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	The mine is not in working condition as the mine operations were suspended by mining officer, Baripada circle since the year 2009 due to non-availability of statutory clearances. further state Government of Odisha had lapsed the lease w.e.f. 18.11.2011 vide their letter dated 25.06.2015.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No valid proposal. the last approved mining plan period was up to the year 2014-15.	Not applicable	Nil
8b	Concurrent use or storage of topsoil	Not applicable	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Not applicable	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not applicable	Nil	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not applicable Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not applicable Nil
8g	Survival rate	Not applicable
8h	Water sprinkling on roads to control airborne dust	Not applicable Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The mine is not in working condition as the mine operations were suspended by mining officer, Baripada circle since the year 2009 due to non-availability of statutory clearances. further state Government of Odisha had lapsed the lease w.e.f. 18.11.2011 vide their letter dated 25.06.2015.

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	The mine is not in working condition as the mine operations were suspended by mining officer, Baripada circle since the year 2009 due to nonavailability of statutory clearances. further state Government of Odisha had lapsed the lease w.e.f. 18.11.2011 vide their letter dated 25.06.2015.	returns not submitted by lessee as the lease was lapsed by state Government of Odisha w.e.f. 18.11.2011 vide their letter dated 25.06.2015.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	returns not submitted by lessee as the lease was lapsed by state Government of Odisha w.e.f. 18.11.2011 vide their letter dated 25.06.2015.	Not applicable	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	returns not submitted by lessee as the lease was lapsed by state Government of Odisha w.e.f. 18.11.2011 vide their letter dated 25.06.2015.	Not applicable	

9d	Scrutiny of Annual return on afforestation	returns not submitted by lessee as the lease was lapsed by state Government of Odisha w.e.f. 18.11.2011 vide their letter dated 25.06.2015.	Not applicable	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	returns not submitted by lessee as the lease was lapsed by state Government of Odisha w.e.f. 18.11.2011 vide their letter dated 25.06.2015.	Not applicable	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	returns not submitted by lessee as the lease was lapsed by state Government of Odisha w.e.f. 18.11.2011 vide their letter dated 25.06.2015.	Not applicable	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	returns not submitted by lessee as the lease was lapsed by state Government of Odisha w.e.f. 18.11.2011 vide their letter dated 25.06.2015.	Not applicable	

9h	Scrutiny of Annual return on fixed assets	returns not submitted by lessee as the lease was lapsed by state Government of Odisha w.e.f. 18.11.2011 vide their letter dated 25.06.2015.	Not applicable	
9k	Scrutiny of Annual return on mining machineries	returns not submitted by lessee as the lease was lapsed by state Government of Odisha w.e.f. 18.11.2011 vide their letter dated 25.06.2015.	Not applicable	Nil

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

no violation.

R. Raju
(RAMKISHAN R)

Date : 4/12/19

Indian Bureau of Mines