

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/L.ST/SNG/MCDR-1/BBS

Mine code : 38ORI13001

- (i) Name of the Inspecting : U11) DAYANAND UPADHYAY
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Shri Rajanikanta Mohanty, Lessee representative
Official with
Designation
- (iv) Date of Inspection : 29/06/2019
- (v) Prev. inspection date : 12/12/2018

PART-I : GENERAL INFORMATION

1. (a) Mine Name : ALANDA
- (b) Registration NO. : IBM/16004/2013
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : ORISSA
District : SUNDARGARH
Village : ALANDA
Taluka : RAJGANGPUR
Post office : ALANDA
Pin Code : 770017
FAX No. : 0661-2400717
E-mail :
Phone : 0661-2400302
- (f) Police Station : LANGINBERNA
- (g) First opening date : 25/04/1977
- (h) Weekly day of rest : SUN
2. Address for : H-12 Developed Area 7 & 8
correspondance : Civil Town Ship, Rourekela
DIST. SUNDARGARH, PIN.769004
3. (a) Lease Number : ORI0007
- (b) Lease area : 45.55
- (c) Period of lease : 20
- (d) Date of Expiry : 16/01/2015, Lease was granted for the period of
20 years from 17.01.1975 to 16.01.1995. First renewal was granted from ⊗
4. Mineral worked : LIMESTONE Main

⊗ 17.01.1995 to 16.01.2015. Further 2nd renewal was applied by lessee on 09.01.2014 to State Govt. Meanwhile MMDR Ammendment Act 2015, as per Section 8(A)(6) the validity of lease period is 50 years from date of grant.

5. Name and Address of the

Lessee : M/S B.D.Patnaik
 H/12, Developed Area 7 & 8
 Rourkela SUNDARGARH ORISSA
 Phone: 0661-2400302
 FAX : 0661-2400717

Owner : B.D PATNAIK
 H-12 Developed Area 7 & 8
 Civil Town Ship Rourekela
 District Sundergarh
 SUNDARGARH ORISSA
 Phone: 0661-2400302
 FAX : 0661-2400717

Agent : A,N PATNAIK
 H-12 Developed Area 7 & 8
 Civil Town Ship Rourekela
 Distt Sundergarh SUNDARGARH
 ORISSA
 Phone: 0661-2400302
 FAX : 0661-2400717

Manager

Name : V.C.PRETTY
 Qualification :
 Appointment/ : 08/11/2000
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	27/05/2005
Plan/Scheme of Mining	:	Renewal under rule 22 MCR1960	27/05/2005
	:	Modif.approved Mining Scheme	31/08/2005
	:	Mining Scheme rule 12 MCDR1988	09/08/2010
	:	Mining Scheme rule 12 MCDR1988	19/09/2013
	:	Renewal under rule 24 MCR1960	05/05/2015

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Bore holes not proposed in 2018-19.	Nil. Mining operation has been susupended by DDM, Rourkela vide letter no. 14247 (25)/Mines, dated 07.11.2018 due to non availability of environmental clearance.	Mining operation has been susupended by DDM, Rourkela vide letter no. 14247 (25)/Mines, dated 07.11.2018 due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
1b	Exploration over lease area for geological axis 1 or 2	Total 39 nos of bore holes proposed during approved plan period to explored under G1 Level.	Nil. Mining operation has been susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation is susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Bore holes not proposed in 2018-19.	Mining operation is susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation is susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
1d	Balance area to be explored to bring Geological axis in 1 or 2	45.555ha area under G1 level.	Mining operation has been susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.

1e	Balance reserve as on 01/04/20	As per approved SOM, Proved reserve: 781968T for limestone & 160162T for dolomite and resources: 1215391T for limestone & 248935T for dolomite.	Mining operation has been suspended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been suspended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
1f	General remarks of inspecting officers on geology, exploration etc	Total 39 nos of bore holes proposed during approved plan period to explored under G1 Level.	Mining operation has been suspended by DDM, Rourkela vide letter no. 14247 (25)/Mines, dated 07.11.2018 due to non availability of environmental clearance	Mining operation has been suspended by DDM, Rourkela vide letter no. 14247 (25)/Mines, dated 07.11.2018 due to non availability of environmental clearance and mine is not in operation since 07/11/2009.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Location of development in 2018-19, 20N-100S & 00W to 150W	Nil.	Mining operation has been suspended by DDM, Rourkela vide letter no. 14247 (25)/Mines, dated 07.11.2018 due to non availability of environmental clearance and mine is not in operation since 07/11/2009.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in top oil, OB and ore .	Nil.	Mining operation has been susupended by DDM, Rourkela vide letter no. 14247 (25)/Mines, dated 07.11.2018 due to non availability of environmental clearance and mine is not in operation since 07/11/2009. During inspection it has been observed that existing pit is merged with water.
2c	Stripping ratio or ore to OB ratio	1:0.4T/cu.m	Nil.	Mining operation has been susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
2d	Quantity of topsoil generation in m3	In 2018-19: 17128 cu.m	Nil.	Mining operation has been susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
2e	Quantity of overburden generation in m3	2527cu.m	Nil.	Mining operation has been susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Development proposed in single pit.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One pit	Mining operation has been sususpended by DDM, Rourkela vide letter no. 14247 (25)/Mines, dated 07.11.2018 due to non availability of environmental clearance. During inspection it has been observed that existing pit is merged with water.	Mining operation has been sususpended by DDM, Rourkela vide letter no. 14247 (25)/Mines, dated 07.11.2018 due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
3b	Quantity of ROM mineral production proposed	243256T limestone and 49824T dolomite.	Nil.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
3c	Recovery of sailable/usable mineral from ROM production	212849T limestone and 43596T dolomite.	Nil.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.

3d	Quantity of mineral reject generation	30407T limestone and 6228T dolomite.	Nil.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
3e	Grade of mineral rejects generation and threshold value declared.	35-38% Cao for limestone and 15-18% Mgo for dolomite.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
3f	Quantity of sub grade mineral generation.	30407T limestone and 6228T dolomite.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
3g	Grade of sub grade mineral generation	35-38% Cao for limestone and 15-18% Mgo for dolomite.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not proposed.	Mining operation has been susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
3j	Provision of drilling and blasting in mineral benches	Wagon drill with 100mm dia & blasting with nonel/shock tube.	Mining operation has been susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
3k	Provision of mining machineris in mineral benches	Excavator-3, wagon drill-1, tipper-12, compressor-1 rock breaker-1, water pump-1.	Mining operation has been susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench height-6m	Mining operation has been susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
3m	Total area covered under excavation/pits	5.41 ha was proposed during approved plan period	About 2.413 ha area is covered under old pit.	Mining operation has been susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.

3n	Ore to OB ratio for the pit/mine during the year.	1:0.4T/cu.m	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
3o	Total area put in use under different heads at the end of year	Total area proposed under different heads are Pit-5.541 ha, waste dump-1.308 ha, top soil-0.597 ha & Mineral storage-0.956, road -0.398 ha, others-3.358.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
3p	Production of ROM mineral during the last five year period as applicable	2013-14: Lst-249999T & Dolomite - 50000T 2014-15: Lst-208333T & Dolomite - 41667T 2015-16: Lst-97277T & Dolomite - 19925T 2016-17: Iron-Lst-203881T & Dolomite - 41759T 2017-18:Lst-177182T & Dolomite - 36290T 2018-19:Lst-243256T & Dolomite - 49824T	No production has been reported by lessee in last five years. Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.

3q	General remarks of inspecting officers on method of mining etc.	Excavation of ROM has been proposed from single pit.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009. The encroachment of south eastern corner of pillar-G by adjacent lessee was intimated to DDM Rourkela on 15.12.2018 and Director of Mines, Bhubaneswar on 21.12.2018.
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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)	Separate dumping for waste, top soil and mineral reject.	Nil, as the mining operation has been sususpended by DDM, Rourkela since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.

4b	Location of topsoil, OB and mineral reject dumps	Waste dump in north side W200-W300, top soil: 375W to 490W and MR:225W to 250W	Nil, as the mining operation has been sususpended by DDM, Rourkela since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009. One small waste dump and top soil dump are located in eastern side of boundary line A-G and one old mineral reject dump is located in northern side of existing quarry.
4c	Number of dumps within lease area and outside area of lease area	One dump within lease area.	Nil, as the mining operation has been sususpended by DDM, Rourkela since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Waste dump in north side W200-W300, top soil: 375W to 490W and MR:225W to 250W	Nil, as the mining operation has been sususpended by DDM, Rourkela since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
4e	Number of active and alive dumps.	One	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.

4f	Number of dead dumps.	Not proposed.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
4g	Number of dumps established.	Not proposed.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
4h	Whether Retaining wall or garland drain all along dumps are there.	Not proposed in 2018-19.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
4i	Length of Retaining wall or garland drain all along dumps	Not proposed in 2018-19.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
4j	Number of settling ponds	Not proposed in 2018-19.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.

4k	Specific comments of inspecting officer on waste dump management	Waste dump in north side W200-W300, top soil: 375W to 490W and MR:225W to 250W	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009. One small waste dump and top soil dump are located in eastern side of boundary line A-G and one old mineral reject dump is located in northern side of existing quarry.
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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.	0.0194 ha in 2018-19.	Nil, as the mining operation has been sususpended by DDM, Rourkela since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
5b	Area under backfilling of mined out area	0.0194 ha in 2018-19.	Nil, as the mining operation has been sususpended by DDM, Rourkela since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Yes	Nil, as the mining operation has been sususpended by DDM, Rourkela since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
5d	Total area fully reclaimed and rehabilitated	0.0194 ha in 2018-19.	Nil, as the mining operation has been sususpended by DDM, Rourkela since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Reclamation and rehabilitation of 0.0194 ha in 2018-19.	Nil, as the mining operation has been sususpended by DDM, Rourkela since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.

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).	Not specified.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.

6b	Area available for rehabilitation (ha) .	Reclamation and rehabilitation of 0.0194 ha in 2018-19.	Nil, as the mining operation has been sususpended by DDM, Rourkela since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
6c	afforestation done (ha).	0.0194 ha over backfilled area.	Nil, as the mining operation has been sususpended by DDM, Rourkela since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
6d	No. of saplings planted during the year	326 nos. of saplings over backfilled area.	Nil, as the mining operation has been sususpended by DDM, Rourkela since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
6e	Cumulative no .of plants	Not specified.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
6f	Any other method of rehabilitation	Reclamation and rehabilitation of 0.0194 ha in 2018-19.	Nil, as the mining operation has been sususpended by DDM, Rourkela since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.

6g	Cost incurred on watch and care during the year	Not specified.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Reclamation and rehabilitation of 0.0194 ha in 2018-19.	Nil, as the mining operation has been sususpended by DDM, Rourkela since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Reclamation and rehabilitation of 0.0194 ha in 2018-19.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Reclamation and rehabilitation of 0.0194 ha in 2018-19.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Reclamation and rehabilitation of 0.0194 ha in 2018-19.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.

6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Reclamation and rehabilitation of 0.0194 ha in 2018-19.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Not proposed.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Not proposed.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Not proposed.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Reclamation and rehabilitation of 0.0194 ha in 2018-19.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Gradewise sorting of saleable and mineral rejct.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
7c	Different grade of mineral sorted out at mines.	35-38% Cao & +38% Cao.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.

7d	Any beneficiation process at mines	Not proposed.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Gradewise sorting of saleable and mineral rejct. 35-38% Cao & +38% Cao.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	17128 cu.m top soil in 2017-18.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
8b	Concurrent use or storage of topsoil	Concurrent use of top soil for reclamation and rehabilitation	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping for waste, top soil and mineral reject.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Reclamation and rehabilitation of 0.0194 ha in 2018-19.	Nil, as the mining operation has been sususpended by DDM, Rourkela since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Reclamation and rehabilitation of 0.0194 ha in 2018-19.	Nil, as the mining operation has been sususpended by DDM, Rourkela since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	326 nos. of saplings over backfilled area.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
8g	Survival rate	Not specified.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been sususpended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.

8h	Water sprinkling on roads to control airborne dust	Not specified.	Mining operation has been susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	326 nos. of saplings over backfilled area.	Mining operation has been susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	AR was not due at the time of inspection.	Mining operation has been susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.	Mining operation has been susupended by DDM, Rourkela due to non availability of environmental clearance and mine is not in operation since 07/11/2009.

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 pointed out as the mines is suspended by state govt. Dayanand upadhyay
Date : 30.07.19 (DAYANAND UPADHYAY) 30.07.19

Indian Bureau of Mines

