

INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/GEM/KHD/MCDR-6/BBS

Mine code : 86ORI07005

- (i) Name of the Inspecting : SRM) SHRI SUDIP RANJAN MAZUMDAR
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri Debraj Meher, Lessee
Official with
Designation
- (iv) Date of Inspection : 13/04/2018
- (v) Prev.inspection date : 09/07/2013

PART-I : GENERAL INFORMATION

1. (a) Mine Name : DEDAR
- (b) Registration NO. : IBM/5787/2011
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : ORISSA
District : KALAHANDI
Village : DEDAR
Taluka : DHARAMGARH
Post office : DEDAR
Pin Code : 766014
FAX No. : NA
E-mail : debarajm@gmail.com
Phone : 9778842838/9437188301
- (f) Police Station : Junagarh
- (g) First opening date : 02/12/2001
- (h) Weekly day of rest : WED
2. Address for : VILL: DEDAR
correspondance : TAHASIL: DHARMAGRH
DIST: KALAHANDI
3. (a) Lease Number : ORI0757
- (b) Lease area : ~~9.5~~ 1.39 Ha
- (c) Period of lease : 20
- (d) Date of Expiry : ~~13/07/2021~~ 06.06.2023
4. Mineral worked : IOLITE Main

5. Name and Address of the

Lessee : DEBARAJ MEHER
 At/PO: Chichaiguda Dist:
 Kalahandi, Odisha
 KALAHANDI ORISSA
 Phone:9778842838/9437188301
 FAX :N/A

Owner : DEBARAJ MEHER
 At/PO: Chichaiguda Dist:
 Kalahandi, Odisha
 KALAHANDI ORISSA
 Phone: 9778842838/9437
 FAX : N/A

6. Date of approval of Mining Plan/Scheme of Mining	:	Modif.of approved Mining Plan	16/04/2004
		Mining Scheme rule 12 MCDR1988	06/02/2009
		FMCP under 23C(1)	20/04/2012
		Mining Scheme rule 12 MCDR1988	10/06/2013

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration proposal for 2017-18	Nil	Nil
1b	Exploration over lease area for geological axis 1 or 2	No exploration proposal for 2017-18	Nil	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Proposed	Nil	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	Only five number of boreholes were proposed during the scheme period i.e. 2013-14 to 2017-18 in the year 2013-14. There was no exploration proposal during the year 2017-18.	Nil	Nil
1e	Balance reserve as on 01/04/20	Update reserve as on 01.03.2013 as per scheme of mining approved on 10.06.2013 under various UNFC codes is as follows: Under 111- 338.8 kg; 122-301.4 kg, 211- 326.04 kg & 222- 480.15 kg	Annual return for 2017-18 has not been submitted by lessee and thereby the production during the year 2017-18 and balance reserve and resource as on 01.04,2018 is not available.	The order of suspension of mining operation has been issued dated 16.11.2018 for non-compliance of violation under rule 45 (5) (c) of MCDR 2017 along with violation of other rules.

1f	General remarks of inspecting officers on geology, exploration etc	Nil	Exploration has not been carried out as proposed in the approved scheme of mining. Accordingly violation letter for non-compliance of exploration proposal as approved in the scheme of mining was issued to lessee on 18.08.2017 and subsequently show cause was issued on 01.12.2017. Further, the order of suspension of mining operation has been issued on 16.11.2018 which includes the provision of rule 11(1) of MCDR 2017.	Exploration has not been carried out as proposed in the approved scheme of mining. Accordingly violation letter for non-compliance of exploration proposal as approved in the scheme of mining was issued to lessee on 18.08.2017 and subsequently show cause was issued on 01.12.2017. Further, the order of suspension of mining operation has been issued on 16.11.2018 which includes the provision of rule 11(1) of MCDR 2017.
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Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	104S-90S & 15W-30E	30S-65S & 50W-10E	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No specific proposal	Separate benches in overburden and minerals maintained.	Nil
2c	Stripping ratio of ore to OB ratio	1:54.02 (kg:m ³)	Annual return for 2017-18 has not been furnished by lessee.	The order of suspension of mining operation has been issued dated 16.11.2018 for non-compliance of violation under rule 45 (5) (c) of MCDR 2017 along with violation of other rules.

2d	Quantity of topsoil generation in m3	Volume of topsoil generation (in m3) for the year 2017-18 is 216 m3	Nil	Nil
2e	Quantity of overburden generation in m3	Volume of overburden generation (in m3) for the year 2017-18 is 1035 m3	Annual return for 2017-18 has not been furnished by lessee.	The order of suspension of mining operation has been issued dated 16.11.2018 for non-compliance of violation under rule 45 (5) (c) of MCDR 2017 along with violation of other rules.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Nil	Development was less than proposal	Development was less than proposal

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	Nil
3b	Quantity of ROM mineral production proposed	Quantity of ROM mineral production for the year 2017-18 is 120.78 kg.	Annual return for 2017-18 has not been submitted by lessee and thereby the production during the year 2017-18 is not available.	The order of suspension of mining operation has been issued dated 16.11.2018 for non-compliance of violation under rule 45 (5) (c) of MCDR 2017 along with violation of other rules.

3c	Recovery of sailable/usable mineral from ROM production	Not proposed	Annual return for 2017- 18 has not been submitted by lessee and thereby the production of mineral reject during the year 2017-18 is not available.	The order of suspension of mining operation has been issued dated 16.11.2018 for non-compliance of violation under rule 45 (5) (c) of MCDR 2017 along with violation of other rules.
3d	Quantity of mineral reject generation	Not Proposed	Annual return for 2017- 18 has not been submitted by lessee and thereby the production of mineral reject during the year 2017-18 is not available.	The order of suspension of mining operation has been issued dated 16.11.2018 for non-compliance of violation under rule 45 (5) (c) of MCDR 2017 along with violation of other rules.
3e	Grade of mineral rejects generation and threshold value declared.	Not Proposed	Annual return for 2017- 18 has not been submitted by lessee and thereby the production of mineral reject during the year 2017-18 is not available.	The order of suspension of mining operation has been issued dated 16.11.2018 for non-compliance of violation under rule 45 (5) (c) of MCDR 2017 along with violation of other rules.
3f	Quantity of sub grade mineral generation.	Not Proposed	Annual return for 2017- 18 has not been submitted by lessee and thereby the production of mineral reject during the year 2017-18 is not available.	The order of suspension of mining operation has been issued dated 16.11.2018 for non-compliance of violation under rule 45 (5) (c) of MCDR 2017 along with violation of other rules.

3g	Grade of sub grade mineral generation	Not Proposed	Annual return for 2017-18 has not been submitted by lessee and thereby the production of mineral reject during the year 2017-18 is not available.	The order of suspension of mining operation has been issued dated 16.11.2018 for non-compliance of violation under rule 45 (5) (c) of MCDR 2017 along with violation of other rules.
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Not Proposed	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	Not Proposed	Nil	Nil
3k	Provision of mining machineries in mineral benches	Not Proposed	Nil	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:54.02 (kg:m3	Annual return for 2017-18 has not been furnished by lessee.	The order of suspension of mining operation has been issued dated 16.11.2018 for non-compliance of violation under rule 45 (5) (c) of MCDR 2017 along with violation of other rules.

3g	General remarks of inspecting officers on method of mining etc.	Nil	Annual return for 2017-18 have not been furnished by lessee and thus information on exploitation is not furnished by lessee.	The order of suspension of mining operation has been issued dated 16.11.2018 for non-compliance of violation under rule 45 (5) (a) of MCDR 2017 along with violation of other rules.
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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)	Dumping of topsoil-Not proposed; OB-Proposed for backfilling in 2017-18; Mineral reject- Not proposed	OB generated have been dumped in waste dump	Nil
4b	Location of topsoil, OB and mineral reject dumps	Dumping of topsoil-Not proposed; Backfilling of OB; Mineral reject- Not proposed	OB generated have been dumped in waste dump	Nil
4c	Number of dumps within lease area and outside of lease area	One	One	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Outside the uPL	Outside the UPL	Nil
4e	Number of active and alive dumps.	One	One	Nil
4f	Number of dead dumps.	Nil	Nil	Nil
4g	Number of dumps established.	One	One	Nil

4K	Specific comments of inspecting officer on waste dump management	Nil	OB has been dumped in waste dump. No backfilling has been done as per proposal.	The order of suspension of mining operation has been issued dated 16.11.2018
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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.	Not Specified	Nil	Nil
5b	Area under backfilling of mined out area	Not Specified	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not Proposed	Nil	Nil
5d	Total area fully reclaimed and rehabilitated	Not Proposed	Nil	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Nil	Backfilling has not been done as per proposal.	The order of suspension of mining operation has been issued dated 16.11.2018.

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).	Annual report on PMCP for the year 2017-18 has not been submitted.	The order of suspension of mining operation has been issued dated 16.11.2018	The order of suspension of mining operation has been issued dated 16.11.2018

6b.	Area available for rehabilitation (ha) .	Not Proposed	Nil	Nil
6c	afforestation done (ha).	Afforestation in 2017-18 proposed over 0.026 ha with 35 nos of saplings	Annual return for 2017-18 has not been submitted by lessee.	The order of suspension of mining operation has been issued dated 16.11.2018.
6d	No. of saplings planted during the year	35 nos of saplings in the year 2017-18	Annual return for 2017-18 has not been submitted by lessee.	The order of suspension of mining operation has been issued dated 16.11.2018.
6f	Any other method of rehabilitation	Not Proposed	Nil	Nil
6g	Cost incurred on watch and care during the year	Not Proposed	Nil	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	Not Proposed	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not Proposed	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Not Proposed	Nil	Nil

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not Proposed	Nil	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Not Proposed	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	35 nos of saplings proposed for plantation over barren area	Annual return for 2017-18 has not been submitted by lessee	The order of suspension of mining operation has been issued dated 16.11.2018
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Area over 0.026 Ha proposed for plantation over barren land	Annual return for 2017-18 has not been submitted by lessee	The order of suspension of mining operation has been issued dated 16.11.2018
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Plantation	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly	PMCP return has not been furnished by lessee	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Nil	Annual return on PMCP has not been furnished by lessee.	Nil

Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	No industrial beneficiation will be undertaken in the lease area. Iolite occurs in pockets, therefore, a part of iolite will be recovered directly and sorted into varieties in naked eye. Remaining iolite stones from the excavated colluviums will be picked up/hand sorted after washing.	Carried out as per proposal.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	Nil
7c	Different grade of mineral sorted out at mines.	Not Proposed	Nil	Nil
7d	Any beneficiation process at mines	No industrial beneficiation will be undertaken in the lease area.	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Nil	Carried as per proposal.	Nil

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Not Proposed	Nil	Nil
8b	Concurrent use or storage of topsoil	Not Proposed	Nil	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate OB dumping	Yes	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not Proposed	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Not Available	Annual return for 2017-18 has not been furnished.	The order of suspension of mining operation has been issued dated 16.11.2018
8g	Survival rate	Not Proposed	Annual return for 2017-18 has not been furnished.	The order of suspension of mining operation has been issued dated 16.11.2018
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Nil	Aesthetic beauty in and around mines is maintained.	Nil

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Annual return for 2017-18 has not been furnished.	Annual return for 2017-18 has not been furnished and monthly return till august 2017 has only been furnished	The order of suspension of mining operation has been issued dated 16.11.2018
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Annual return for 2017-18 has not been furnished.	Appointment of part time mining engineer and part time geologist has been submitted.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Annual return for 2017-18 has not been furnished.	Annual return for 2017-18 has not been furnished.	The order of suspension of mining operation has been issued dated 16.11.2018
9d	Scrutiny of Annual return on afforestation	Annual return for 2017-18 has not been furnished.	Annual return for 2017-18 has not been furnished.	The order of suspension of mining operation has been issued dated 16.11.2018
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Annual return for 2017-18 has not been furnished.	Annual return for 2017-18 has not been furnished.	The order of suspension of mining operation has been issued dated 16.11.2018
9f	Scrutiny of Annual return on mining machineries	Annual return for 2017-18 has not been furnished.	Annual return for 2017-18 has not been furnished.	The order of suspension of mining operation has been issued dated 16.11.2018

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 SUDIP RANJAN MAZUMDAR)

Indian Bureau of Mines