

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

MCDR INSPECTION REPORT

Ranchi regional office

Mine file No : BIH/PAL/GRP/562/RRO

Mine code : 28BHR18020

- (i) Name of the Inspecting : **M008**) **J. MOHANTA**
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine : Shri Mandeep Yadav, Representative of lessee
Official with
Designation
- (iv) Date of Inspection : 08/03/2017
- (v) Prev.inspection date : 03/10/2016

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PURNADIH**
- (b) **Registration NO.** : **IBM/4160/2011**
- (c) **Category** : **A Other than Fully Mech.**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **JHARKHAND**
- District : **PALAMAU**
- Village : **PURNADIH**
- Taluka : **SATBARWA**
- Post office : **KHAMDIH**
- Pin Code :
- FAX No. : **06562-2222727**
- E-mail : **charanmukesh@yahoo.com**
- Phone : **08987760561/9334700516**
- (f) **Police Station** : **LESLIGANJ**
- (g) **First opening date** : **01/07/1995**
- (h) **Weekly day of rest** : **WED**
2. **Address for correspondance** : **AT- PURNADIH**
DISTT.- PALAMAU
STATE- JHARKHAND
3. (a) **Lease Number** : **BHR0504**
- (b) **Lease area** : **81.75**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **05/12/2014**
4. **Mineral worked** : **GRAPHITE** **Main**

5. Name and Address of the

Lessee : MOHAN MINERALS
INDUSTRIAL ESTATE
SUDNA, DALTONGANJ DIST-
PALAMAU PALAMAU JHARKHAND
Phone: 08987760561/9334700516
FAX : 06562-2222727

Owner : MUKESH CHARAN (PROPRIETOR)
201-A, DURGA KUTIR, KANKE
ROAD, NEAR CMPDI RANCHI
RANCHI JHARKHAND
Phone: 09334700516, 09
FAX :

6. Date of approval of Mining : Fresh under rule 22 MCR1960 06/06/1994
Plan/Scheme of Mining : Mining Scheme rule 12 MCDR1988 04/11/2013

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	In the last approved Scheme of Mining valid for the period from 2010-11 to 2014-15, 15 nos. of boreholes (2013-14- 8 & 2014-15-7) were proposed to be given. There was no valid approved proposal for the period 2015-16 & 2016-17.	No such boreholes were given during the period from 2013-14 & 2014-15 as the mining operation was discontinued for want of EC. The backlog of 15 boreholes still exist.	The mine is not under operation since 01/07/2013 for want of EC. The lessee has submitted TD Notice.
1b	Exploration over lease area for geological axis 1 or 2	There was no valid proposal for the period 2015-16 and 2016-17.	The proposed exploration was not carried out as the mine was not in operation for want of EC from 01.07.2013. Previously no exploration was carried out by the lessee in the lease area.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No such proposal in the last approved Scheme of Mining approved on 04.11.2013, valid for the plan period 2010-11 to 2014-15. There was no valid proposal for the year 2015-16 and 2016-17.	No information is available in this context.	

1d	Balance area to be explored to bring Geological axis in 1 or 2	Entire lease area was proposed to be explored by 15 nos. of boreholes during the period from 2013-14 & 2014-15 under G1 and G2 level. No such proposal of exploration for the year 2015-16 and 2016-17.	13 nos of quarries have been opened in the lease area. The entire lease area was proposed to be explored by 15 nos. of boreholes during the period from 2013-14 & 2014-15. No such exploration has been carried out so far by the lessee other than the 13 nos. of quarries opened in the lease area.
1e	Balance reserve as on 01/04/20	As per approved Scheme of Mining, dated 04.11.2013 valid for the plan period 2010-11 to 2014-15, the Reserve/Resource position as on 01.04.2012 is : Proved(111): 367453.00 MT; Probable(122) : 424246.00 MT; and Remaining Resources(211+222): 49453.00 MT. No valid proposal for the year 2015-16 and 2016-17.	After depleting the production of 5010 MT reported from the mine during the year 2012-13, the Reserve/Resource position as on 01.04.2017 is : Proved(111): 362443.00 MT; Probable(122): 424246.00 MT; and Remaining Resource(211+222): 49453.00 MT. The mine was not under operation from 01/07/2013 for want of EC.

1f	General remarks of inspecting officers on geology, exploration etc	Not applicable.	13 quarries have been opened up in the lease area. Several graphite veins are occurred in the lease area having thickness varying from 3.7m to 12.5m. The general trend of the graphite body is E-W with 70 degree inclination towards North. The av. grade of Graphite is about 11.317 F.C. No exploration has been carried out so far in the lease area except the existing quarries.
----	--	-----------------	---

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	There was no valid proposal for the period from 2015-16 and 2016-17.	The mine is not in operation from 01.07.2013.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches were proposed to be developed in Soil, OB/Waste and Graphite. The height of Soil and OB bench were proposed to be of 3m followed by Graphite bench of 6m. The width of benches were proposed to be 6m.	Mining operation has been discontinued in the mine since 01/07/2013. Separate benches have been formed in Soil, OB and Graphite.	

2c	Stripping ratio or ore to OB ratio	There was no valid proposal for the period from 2015-16 to 2016-17. As per approved Scheme of Mining, dated 04.11.2013, valid for the plan period 2010-11 to 2014-15, the proposed stripping ratio or Ore to OB ratio was 1:1.5.	Mining operation has been discontinued in the mine since 01/07/2013. Since the mine was not in operation, Ore to OB ratio could not be calculated.
2d	Quantity of topsoil generation in m3	There was no valid proposal for the period from 2015-16 to 2016-17.	No generation of topsoil was reported as the mine was not in operation since 01/07/2013.
2e	Quantity of overburden generation in m3	There was no valid proposal for the period from 2015-16 to 2016-17.	No generation of overburden was reported as the mine was not in operation since 01/07/2013.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not applicable.	The mine is not in operation w.e.f 01.07.2013 for want of EC. There are thirteen (13) nos. of quarries have been opened in the lease area. The mine has not been developed as per the proposal made in the last approved document.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

3a	Number of pit proposed for production	No valid proposal available for the yaer 2015-16 and 2016-17. However, it was proposed to develop Quarry no. 2 during the year 2014-15 as per the last approved document.	The mine is not in operation from 01.07.2013 for want of EC. Earlier 13 nos. of quarries have been opened in the lease area.
3b	Quantity of ROM mineral production proposed	No valid proposal available for the yaer 2015-16 and 2016-17.	No production was reported during the above period due to temporary discontinuance of the mine from 01/07/2013 for want of EC.
3c	Recovery of sailable/usable mineral from ROM production	Around 60% recovery of graphite from the ROM was proposed in the last approved Scheme of Mining.	No production was reported during the above period due to temporary discontinuance of the mine from 01/07/2013 for want of EC.
3d	Quantity of mineral reject generation	There was no proposal of mineral reject generation in the last approved Scheme of Mining. No valid proposal available for the yaer 2015-16 and 2016-17.	No mineral reject generation has been reported from the mine. The mine is under temporary discontinuance from 01/07/2013 for want of EC.
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable as there was no proposal of mineral reject generation from the mine as per the last approved ducument. The threshold value of flaky Graphite is: Fixed Carbon F.C: 2%(Min).	No mineral reject generation has been reported from the mine. The mine is under temporary discontinuance from 01/07/2013 for want of EC.

3f	Quantity of sub grade mineral generation.	There was no proposal for sub-grade mineral generation.	Not applicable as the mine was not in operation.
3g	Grade of sub grade mineral generation	There was no valid proposal available for sub-grade mineral generation during the year 2015-16 and 2016-17.	Not applicable as the mine was not in operation from 01/07/2013 for want of EC.
3h	Manual / Mechanised method adopted for segregating from ROM	No valid approved proposal available. Manual method was proposed in approved document for segregating from ROM. Total ROM was proposed to be sorted out by hand picking at mine site.	Not applicable as the mine is not in operation from 01.07.2013 for want of EC. Earlier the Graphite ore was segregated manually from ROM.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No valid approved proposal available for the year 2015-16 & 2016-17. There was also no such proposal in the last approved Scheme of Mining, valid for the plan period 2010-11 to 2014-15 regarding analysis or beneficiation study for sub-grade mineral and reject .	No such analysis or beneficiation study of sub-grade mineral and reject had been carried out at the mine.

3j	Provision of drilling and blasting in mineral benches	No valid approved proposal available for the year 2015-16 and 2016-17. However, as per previous approved Scheme of Mining valid for the plan period 2010-11 to 2014-15, no such proposal for drilling and blasting in mineral benches was available.	No information available as the mine was not in operation since 01/07/2013.
3k	Provision of mining machineries in mineral benches	No valid approved proposal available for the year 2015-16 and 2016-17.	During 2015-16 and 2016-17, no machinery was in use as the mine as the mining operation is discontinued from 01.07.2013 for want of EC.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No valid approved proposal available for the year 2015-16 and 2016-17. In the last approved document the bench height and width in OB was proposed to be kept within 3m X 6m while that in Mineral the bench height and width was proposed to be kept within 6m X 6m .	The bench dimension in Soil and OB was 1.5-3m X 1.5m (height X width) and in Graphite the bench dimension was 3m X 3m. Height and Width of benches in OB and Mineral was found to be suitable for the method of mining proposed.

3m	Total area covered under excavation/pits	No valid approved proposal available. However, there was proposal to excavate 3.46 Ha area during the plan period 2010-11 to 2014-15.	The mine is not in operation from 01.07.2013. There is no change in the area of 2.32 Ha excavated prior to discontinuance of the mining operation.
3n	Ore to OB ratio for the pit/mine during the year.	As per approved Scheme of Mining, dated 04.11.2013, valid for the plan period 2010-11 to 2014-15, the stripping ratio or Ore to OB ratio was proposed to be 1:1.5. No valid proposal is available for the year 2015-16 & 2016-17.	The mine was not in operation since 01/07/2013. hence the Ore to OB ratio could not be calculated.
3o	Total area put in use under different heads at the end of year	No valid approved proposal available. As per approved document valid for the plan period 2010-11 to 2014-15, the total area put to use was: Quarry: 2.02 Ha ; Road: 0.49 Ha; Infrastructure : 0.02; Dump- 1.56 Ha; Total area put to used- 4.09 Ha; Balance land proposed to be unused- 77.66 Ha out of total lease area of 81.75 Ha.	The mine is not in operation since 01/07/2013. Hence there is no change in the area put to use under different heads.

3p	Production of ROM mineral during the last five year period as applicable	No valid proposal for the year 2015-16 & 2016-17. Production proposed during the last 5 years are: 2012-13: 48125 MT; 2013-14: 50801 MT; 2014-15: 56019 MT; 2015-16- NA, 2016-17- NA.	The mine was not in operation since 01/07/2013. Actual production during the last five years: 2012-13: 2010 MT +3000 MT(Dump Working); 2013-14: Nil; 2014-15: Nil; 2015-16: Nil, 2016-17- Nil.
3q	General remarks of inspecting officers on method of mining etc.	Not applicable.	The mine was not in operation since 01/07/2013 for want of EC. Other Than Fully Mechanised(OTFM) method of mining was adopted in the mine. Hence comments could not be given on method of mining.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	There is no valid approved proposal for the year 2015-16 and 2016-17. In the last approved Scheme of Mining, valid for the plan period 2010-11 to 2014-15, there was proposal for creation of 3 nos. each of temporary Waste and Soil dump within the lease area.	Three old OB/Waste dumps are within the lease area. One old Waste dump is located on the southern side of lease boundary, the other two are located on the south of quarry no. 1 and west of quarry no. 7 within the lease area. The proposed dumps were not created as the mine is not under operation from 01.07.2013.	

- 4b Location of topsoil, OB and mineral reject dumps
- There is no valid approved proposal available for the year 2015-16 and 2016-17. In the last approved Scheme of Mining the top soil and OB/Waste were proposed to be dumped temporarily within the lease area near quarry no. 1, 2 and 7.
- The proposed dumps were not created as the mine is not under operation since 01.07.2013 for want of EC. Three (03) nos. of old waste dumps are existing within the lease area near quarry no. 1, 2 and 7. There was no mineral reject dump within the lease area.
- 4c Number of dumps within lease area and outside of lease area
- There is no valid approved proposal available for the year 2015-16 and 2016-17. In the last approved Scheme of Mining the top soil and OB/Waste were proposed to be dumped temporarily within the lease area near quarry no. 1, 2 and 7.
- The proposed dumps were not created as the mine was not under operation since 01.07.2013 for want of EC. Three (03) nos. of old waste dumps are existing within the lease area near quarry no. 1, 2 and 7.
- 4d Location of dumps w.r.t. ultimate pit limit (Rule 16)
- No valid proposal available. As per last approved document valid for the plan period 2010-11 to 2014-15, the location of 3 nos. of waste dumps and 03 nos. of soil dumps are within the ultimate pit limit.
- The present existing three old waste dumps are located within the UPL.

4e	Number of active and alive dumps.	No valid proposal for the year 2015-16 & 2016-17. There was proposal for creation of 3 nos. of dumps within the lease area during the plan period of last approved document valid for the plan period 2010-11 to 2014-15.	Three waste dumps are existing within the lease area. One waste dump is located on the southern side of lease boundary, the other two are located on the south of quarry no. 1 and west of quarry no. 7 within the lease area. The mining operation is discontinued since 01.07.2013.
4f	Number of dead dumps.	There was no proposal in the approved document.	Three OB/Waste dumps are existing in the lease area which have become dead as natural vegetation has grown over it due to non-working status of the mine from 01.07.2013 for want of EC.
4g	Number of dumps established.	No valid proposal for the year 2015-16 & 2016-17. Also no proposal for establishment of dump during the plan period 2010-11 to 2014-15 as per approved Scheme of Mining.	No dump has been established. The existing old dumps were established through natural vegetation over it.
4h	Whether Retaining wall or garland drain all along dumps are there.	No valid proposal for the year 2015-16 & 2016-17. Retaining wall and Garland drain were not proposed around the temporary OB/Waste dumps during the plan period 2010-11 to 2014-15.	Retaining wall and Garland drain have not been constructed along the existing dumps as there was no such proposal.

4i	Length of Retaining wall or garland drain all along dumps	No proposal in the approved document.	Not applicable as there was no proposal in the approved document.
4j	Number of settling ponds	No proposal in the approved document.	No settling pond created in the lease area.
4k	Specific comments of inspecting officer on waste dump management	Not applicable.	Three (03) nos. of OB/Waste dumps are exist in the lease area. The dumps are established naturally by vegetation grown over it.

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.	No valid approved proposal for the year 2015-16 and 2016-17.	The mining operation is discontinued since 01.07.2013. Backfilling has not been started in the mine.	
5b	Area under backfilling of mined out area	No valid approved proposal for the year 2015-16 and 2016-17.	Backfilling has not yet started.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No valid approved proposal for the year 2015-16 and 2016-17.	As on date concurrent backfilling/reclamation work not initiated in the mine. The mining operation is discontinued since 01.07.2013 for want of EC.	
5d	Total area fully reclaimed and rehabilitated	No valid approved proposal for the year 2015-16 and 2016-17.	Nil. The area is not matured for backfilling and reclamation.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not applicable.	No backfilling and Reclamation within the lease area has been started. The area is not matured for backfilling and reclamation.	

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 approved proposal available for the year 2015-16 & 2016-17.	Lessee has submitted annual report on FMCP upto 2014-15.	
6b	Area available for rehabilitation (ha) .	No valid approved proposal available for the year 2015-16 & 2016-17.	Area is not matured for reclamations/rehabilitation.	
6c	afforestation done (ha).	No valid approved proposal available for the year 2015-16 & 2016-17.	Plantation has not been done within the lease area during the year 2016-17. The mining operation is discontinued since 01.07.2013 for want of EC.	
6d	No. of saplings planted during the year	No valid approved proposal available for the year 2015-16 & 2016-17.	Plantation has not been done within the lease area during the year 2016-17. The mining operation is discontinued since 01.07.2013 for want of EC.	
6e	Cumulative no .of plants	No valid approved proposal available for the year 2015-16 & 2016-17.	The cumulative no. of plantation figure is not available. The mining operation is discontinued since 01.07.2013 for want of EC.	
6f	Any other method of rehabilitation	No valid approved proposal available for the year 2015-16 & 2016-17.	Any other method of rehabilitation is not available. The mining operation in the mine is discontinued since 01.07.2013 for want of EC.	
6g	Cost incurred on watch and care during the year	No valid approved proposal available for the year 2015-16 & 2016-17.	No information available. The mining operation in the mine is discontinued since 01.07.2013 for want of EC.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No valid approved proposal available for the year 2015-16 & 2016-17.	Reclamation/Rehabilitation has not been carried out in the mine since the mining operation is discontinued since 01.07.2013 for want of EC.	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No valid approved proposal available for the year 2015-16 & 2016-17.	No backfilling was done in the lease area. The area has not become matured for backfilling.
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No valid approved proposal available for the year 2015-16 & 2016-17.	Not applicable as no backfilling was done in the lease area. The area has not become matured for backfilling. The mining operation in the mine is discontinued since 01.07.2013 for want of EC.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No valid approved proposal available for the year 2015-16 & 2016-17.	No water reservoir has been created in the lease area.
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No valid approved proposal available for the year 2015-16 & 2016-17.	Not applicable.
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No valid approved proposal available for the year 2015-16 & 2016-17.	Not applicable as there is no waste land within the lease area.
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No such proposal available.	Not applicable as there is no waste land within the lease area..
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No valid approved proposal available for the year 2015-16 & 2016-17.	Not applicable as there is no waste land within the lease area.
6p	Compliance of environmental monitoring (core zone and buffer zone)	No valid approved proposal available for the year 2015-16 & 2016-17.	No information about Environmental Monitoring is available. Mine is not in operation from 01.07.2013 for want of EC.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not applicable.	Backfilling has not been done as the area is not matured for the same. The mine is not under operation from 01.07.2013 for want of EC.
----	---	-----------------	--

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No valid approved proposal available for the year 2015-16 & 2016-17.	The year wise dispatch figure during last five years is given below:- 2012-13: 4874.5 MT (<12% FC); 2013-14: Nil; 2014-15: Nil; 2015-16: Nil. 2016-17: Nil	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No valid approved proposal for the year 2016-17 is available. As per the last approved Scheme of Mining, valid for the plan period from 2010-11 to 2014-15, no grade wise sorting was proposed for segregating from ROM. Total ROM was proposed to be sent to the Processing plant of the lessee located outside the lease area.	Mine is not in operation from 01.07.2013 for want of EC.	
7c	Different grade of mineral sorted out at mines.	No valid approved proposal for the year 2016-17 is available.	Mine is not in operation from 01.07.2013 for want of EC.	

7d	Any beneficiation process at mines .	No valid approved proposal for the year 2016-17 is available.	Mine is not in operation from 01.07.2013 for want of EC. No mineral beneficiation is done at the mine site.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not applicable.	Mine is not in operation from 01.07.2013 for want of EC. No mineral beneficiation is done at the mine site. Lessee has its own processing plant located outside the lease area. The mineral conservation aspect has been taken care of by the lessee.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No valid approved proposal is available for the year 2015-16 and 2016-17.	No removal and utilisation of topsoil is reported. The mining operation is discontinued since 01.07.2013 for want of EC.	
8b	Concurrent use or storage of topsoil	No valid approved proposal is available for the year 2015-16 and 2016-17.	No removal and utilisation of topsoil is reported. The mining operation is discontinued since 01.07.2013 for want of EC.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No valid approved proposal is available for the year 2015-16 and 2016-17.	The mining operation is discontinued since 01.07.2013 for want of EC. Three old OB/Waste dumps are located within the lease area. One old Waste dump is located on the southern side of lease boundary, the other two are located on the South of Quarry no. 1 and West of Quarry no. 7 within the lease area.	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No valid approved proposal is available for the year 2015-16 and 2016-17.	Not applicable as the mining operation is discontinued since 01.07.2013 for want of EC.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No valid approved proposal for the year 2015-16 and 2016-17 is available. Further, phase wise restoration, reclamation and rehabilitation of land have not been proposed in the last approved Scheme of Mining valid for the plan period 2010-11 to 2014-15.	Not applicable.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No valid approved proposal for the year 2015-16 and 2016-17 is available. No existing plantation has been reported in the last approved Scheme of Mining.	The mining operation is discontinued since 01.07.2013 for want of EC.
8g	Survival rate	No valid approved proposal for the year 2015-16 and 2016-17 is available.	Not applicable as no plantation has been done. The mining operation is discontinued since 01.07.2013 for want of EC.
8h	Water sprinkling on roads to control airborne dust	No valid approved proposal for the year 2015-16 and 2016-17 is available.	No information about water sprinkling is available. The mining operation is discontinued since 01.07.2013 for want of EC.

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not applicable.	Aesthetic beauty in and around the mining area has not been disturbed due to mining. The mine is not in operation from 01.07.2013 for want of EC.
----	--	-----------------	---

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	The information furnished in Annual Return for the year 2016-17 covers Part-I of General information about mine and labour employment, Part-II about Employment & wages, Part-IIA about Capital Structure, Part-III consists of Consumption of materials, Part-IV about Consumption of explosives, Part-V consists of General Geology & Mining under various sections, Part-VI about Production, Dispatch & Stock and finally Part-VII consists of Cost of production.	Party has submitted the Monthly returns and Annual returns for the year 2016-17 within stipulated time.	

- 9b Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager
- The mine is 'A-OTFM' category mine. A full time Mining Engineer and Geologist required to be appointed as per Rule-42(1)(c)(i) with due intimation of the same in Form-I under Rule-46 of MCDR, 1988.
- Name of full time Mining Engineer and Geologist were not submitted in the Annual return for the year 2016-17 as the mine was not in operation since 01/07/2013.
- 9c Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.
- The land use pattern given in the Annual Return for the year 2016-17 is as under:-
 Area under excavation: 2.32 Ha;
 Reclaimed: 0.00; Dump are: 1.56 Ha;
 Road & Infrastructure : 0.75 Ha.
- Upto 2016-17, the total area put to use is as under:-
 Quarry: 2.32 Ha; Road, building etc.- 0.75 Ha and OB Dump- 1.56 Ha;
 Total area put to use- 4.63 Ha;
 Balance land unused- 77.12 Ha out of total lease area of 81.75 Ha.
- 9d Scrutiny of Annual return on afforestation
- In Part-V, item no. 4.4 of the Annual Return for the year 2016-17, the plantation done within & outside M.L area was given as Nil.
- During 2016-17, no plantation was done within or outside mining lease area. The mine is not in operation from 01.07.2013.
- 9e Scrutiny of Annual return on mineral reject generation (Grade and quantity)
- In Part-V, Sec 4 of the Annual Return 2016-17, the information on Mineral Reject generation given as Nil.
- No Mineral Reject generation from the mine was reported during the year. The mine is not in operation since 01.07.2013 for want of EC.

9f	Scrutiny of Annual return on ROM stock and/or graded ore	In Part VI, item no. 1 & 2(A), of the Annual Return 2016-17, the ROM stock (opening balance) and Closing stock are as under: Opening stock-<40% FC Grade: 8.06 MT; Closing Stock-<40% FC Grade: 8.06 MT.	The figures furnished in the annual return appears to be correct.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The Sale value, ex-mine price and production cost were shown as Nil in the Annual Return for the year 2016-17.	Since the mine is not in operation from 01.07.2013, the Ex-Mine price, Sale value and cost of production furnished during the year 2016-17 is Nil.
9h	Scrutiny of Annual return on fixed assets	The value of Fixed Assets of the lessee furnished as Nil in Part-IIA of the A.R for the year 2016-17.	The value of Fixed Assets of the lessee for the year 2016-17 furnished as Nil under Capital structure.
9k	Scrutiny of Annual return on mining machineries	In Part-V, Sec 5/6/8/9 of the Annual Return 2016-17, the list of machineries were mentioned as Nil.	Since the mine is not in operation from 01.07.2013, no machinery was in use during the period 2016-17.

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
MCDR17	Rule 11(4)	21/04/2017	27/10/2017				
MCDR17	Rule 23	21/04/2017	27/10/2017				
MCDR17	Rule 26(2)	21/04/2017	27/10/2017				

Date :

(J. MOHANTA)

Indian Bureau of Mines