

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

**MCDR INSPECTION REPORT**

**Ranchi regional office**

**Mine file No :** BIH/GUM/BX/216/RRO

**Mine code :** 07BHR32014

- (i) Name of the Inspecting : **C001** ) **N.K.CHATERJI**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : **SRI G.D.TEWARI, MINES MANAGER.**  
Official with  
Designation
- (iv) Date of Inspection : 08/02/2017
- (v) Prev.inspection date : 26/07/2016

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **NEW AMPTIPANI (49.27)**
- (b) **Registration NO.** : **IBM/5041/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :  
State : JHARKHAND  
District : GUMLA  
Village : AMPTIPANI  
Taluka : BISHUNPUR  
Post office : JOBHIPAT  
Pin Code :  
FAX No. : N.A.  
E-mail : N.A.  
Phone : 06565-226016
- (f) Police Station : BISHUNPUR
- (g) First opening date : 15/07/1985
- (h) Weekly day of rest : THU
2. Address for : VILL-KARKAPAT  
correspondance : BISHUNPUR  
DIST-GUMLA
3. (a) Lease Number : BHR0252
- (b) Lease area : 49.07
- (c) Period of lease : 20
- (d) Date of Expiry : 26/05/2005
4. Mineral worked : BAUXITE Main

## 5. Name and Address of the

Lessee : AWADHESH KUMAR SINGH  
 AT -CHANDWA LATEHAR  
 JHARKHAND  
 Phone:06565226016 & 9431390666  
 FAX :

Owner : AWADHES KUMAR SINGH  
 AT/PO-CHIRKUNDA DIST-  
 DHANBAD JHARKHAND DHANBAD  
 JHARKHAND  
 Phone: 06552-23005,220  
 FAX :

## Mining Engineer

Name : SRI G.D.TEWARY,Full Time  
 Qualification : B.Tech (Min)  
 Appointment/ :  
 Termination date

## Geologist

Name : ARBIND RANJAN,Full Time  
 Qualification : M. Sc. (Applied Geolgy)  
 Appointment/ :  
 Termination date

## Manager

Name : SRI GANGADHAR TEWARY  
 Qualification : B.Tech (Min)  
 Appointment/ :  
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	31/01/1997
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	22/03/2013
		Renewal under rule 24 MCR1960	22/03/2013
		MP review under 17(1) MCR 2016	12/09/2016

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	As per last approved Scheme of Mining, dated 22.03.2013, valid for the plan period 2011-12 to 2014-15, there was proposal for 07 nos. of boreholes to be given during the year 2013-14 at a grid interval of 10mm X 100m.	No exploration was carried out during the year 2013-14 as the mine was not in operation during 2013-14. Backlog of 07 boreholes still existsted. The mine was not in operation during July, 2012 to April, 2014. The mine re-opened on 01.05.2014.	Subsequent to the Scheme of Mining, the Mining Plan was approved on 12.09.2016, valid for the plan period 2015-16 to 2019-20 (2015-16 was lapse period). The mine was not in operation from March, 2016 to April, 2017 for extension of lease.
1b	Exploration over lease area for geological axis 1 or 2	As per approved Mining Plan, dated 12.09.2016, valid for the plan period 2016-17 to 2019--20 (2015-16 was lapse period), there was proposal for 09 nos. of boreholes to be given during the year 2017-18 to cover approximately 9.0 Ha on the Southern and Eastern part of lease area for G1 and G2 level.	Previously in the year 2011, thirteen (13) nos. of DTH were given, at a grid interval of 100m X 100m, covering about 13 Ha area, with total metrage of 132.8 m having maximum and minimum depth of hole at 10.5 m and 10.0 m respectively. During 2013-14, no exploration was carried out as per proposal given in the last approved Scheme of Mining, since the mine was not in operation during 2013-14. The proposed exploration as per approved Mining Plan dated 12.09.2016 is due for 2017-18.	The mine was not in operation during July, 2012 to April, 2014 due to EC.

1c	Exploration Agencies and Expenditure in lakh rupees during the year	No specific proposal was there in the approved Mining Plan valid for the plan period 2016-17 to 2019-20 (2015-16 was lapse period).	Lessee had explored the area earlier by hiring drilling rig. About Rs. 100000/- (One lakh only) was incurred towards drilling of total 132.8m in 13 nos. of boteholes within the lease area at the rate of about Rs. 755/- per meter of drilling.	--
1d	Balance area to be explored to bring Geological axis in 1 or 2	About 9.0 Ha area on the Southern and Eastern part of lease area was proposed to be explored during the year 2017-18 under G1 and G2 level.	The proposed exploration is due for 2017-18.	--
1e	Balance reserve as on 01/04/20	As per approved Mining Plan, valid for the plan period 2016-17 to 2019-20 (2015-16 was lapse period) the Reserve/Resource as on 01.04.2016 was as given below:- i. Reserve(111): 507939 MT; ii. Probabale(122): 993571 MT; iii. Resource(211+222): 317435 MT.	The Reserve/Resource position as on 01.04.2016 was as given below:- i. Reserve(111): 507939 MT (Av. Al2O3- 46.725%, SiO2- 4.08%) ; ii. Probabale(122): 993571 MT (Av. Al2O3- 46.725%, SiO2- 4.08%) ; iii. Resource(211+222): 317435 MT (Av. Al2O3- 46.725%, SiO2- 4.08%).	After depleting Nil production, during the period 2016-17, the Reserve/Resource position as on 01.04.2017 will be same as given above:- i. Reserve(111): 507939 MT (Av. Al2O3- 46.725%, SiO2- 4.08%) ; ii. Probabale(122): 993571 MT (Av. Al2O3- 46.725%, SiO2- 4.08%) ; iii. Resource(211+222): 317435 MT (Av. Al2O3- 46.725%, SiO2- 4.08%).

1f	General remarks of inspecting officers on geology, exploration etc	The Aluminium ore of the lease area was predominantly Gibbsite (Trihydrate). The Ore is overlain by Laterite and underlain by Lithomargic clay. Av. thickness of Laterite was 1.4m and Aluminium Ore varies in thickness from 3-5.8m and the av. thickness of Lithomargic Clay was 2.5m. There was proposal of exploration through 09 BHs during the plan period of 2017-18.	Bauxite deposit of the area is mostly associated with laterite, occurs as irregular and discontinuous lenses or tabular bodies within the laterite capping. The maximum thickness of Bauxite horizon encountered in the DTH was around 6.0 m followed by lithomargic clay. The area was explored through 13 DTH given during the year 2011 covering about 6 Ha area.	The mine was not in operation during July, 2012 to April, 2014 due to EC. The mine re-opened on 01.05.2014, again the working of the mine was discontinued since March 2016 for extension of lease. The mine started operation from May, 2017.
----	--	--	--	--

---

Development :

---

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

---

2a	Location of development w.r.t.lease area	As per approved Mining Plan dated 12.09.2016, valid for the plan period 2016-17 to 2019-20 (2015-16 was lapse period), development was proposed in Quarry no. 2 and 4 (Merged) (on the SW part of lease area). During the plan period about 4.491Ha area was proposed to be developed. Upto the plan period of 2016-17 to 2019-20, about 15.026 Ha area was proposed to be excavated.	As per proposal, the development work was in progress around Quarry no. 2 and 4(Merged) on the Western & SW part of the lease area upto the period of its operation, i.e upto February, 2016. The present working quarry (2& 4 merged) had crossed the proposed development limit of 2016-17 (as per Development Plan of approved Mining Plan). The same was pointed out to the lessee through Violation letter issued vide this office letter no. BIH/GUM/BX/216/RRO, dated 29.05.2017.	The mine was not in operation during July, 2012 to April, 2014. The mine re-opened on 01.05.2014 and worked upto February, 2016. The mine again became non-operative from March, 2016 to April, 2017 for extension of lease.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in Top Soil, Overburden (Laterite/Morr um) and Bauxite were proposed. In Top soil, OB and Ore, bench height was proposed to be kept between 1-1.5m, 2.5-2.6m and 5.9-6m respectively. The bench width was proposed to be kept within 6m in all 3 horizons.	Separate benches in Overburden (maily consisting of top soil) and Ore were developed. In OB (consisting of Top soil), the bench height varied from 1.5-4m and Bauxite bench was of 2-2.5m thickness. The bench width was maintained between 3-3.5m.	--

2c	Stripping ratio or ore to OB ratio	As per approved Mining Plan, the overall stripping ratio during the period 2016-17 to 2019-20 (2015-16 was lapse period) was proposed to be 1: 0.64 Tes/cu.m. During 2016-17, the Ore to OB ratio was proposed to be 1: 0.52 Tes/cu.m.	During the period 2016-17, the mine was not in operation. During 2015-16, the average Ore to OB ratio was calculated as 1: 0.69 Tes/cu.m. During 2015-16, the production was 49741 MT and total OB generation was 34818.5 cu.m (~69637 MT).	--
2d	Quantity of topsoil generation in m3	As per approved Mining Plan, the top soil generation during 2016-17 to 2019-20 (2015-16 was lapse period) was proposed to be as under:- i. 2016-17: 18009 cu.m; ii. 2017-18: 25278 cu.m; iii. 2018-19: 27809 cu.m; and iv. 2019-20: 30927 cu.m.	The Top soil generation figure was not available.	--

2e	Quantity of overburden generation in m <sup>3</sup>	As per approved Mining Plan, the OB generation during 2016-17 to 2019-20 (2015-16 was lapse period) was proposed to be as under:- i. 2016-17: 36226 cu.m; ii. 2017-18: 54945 cu.m; iii. 2018-19: 65751 cu.m; and iv. 2019-20: 67803 cu.m.	The quantity of OB generation during last few years was as given below:- i. 2010-11: N.A; ii. 2011-12: 3000 MT (~ 1500 Cu.m); iii. 2012-13: 1000 MT (~ 500 Cu.m); iv. 2013-14: Nil; v. 2014-15: 56000 MT (~ 28000 Cu.m); and vi. 2015-16: 69637 MT (~ 34819 Cu.m).	--
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	As per approved Mining Plan dated 12.09.2016, valid for the plan period 2016-17 to 2019-20 (2015-16 was lapse period), there was proposal to develop Quarry no. 2 and 4(Merged), located on the Western and SW portion of lease. The deposit was of blanket type with predominantly Gibbsite (Trihydrate).	The lessee had previously developed five (05) quarries within the lease area. As per proposal, the development work was carried out in Quarry no. 2 & 4(Merged) on the Western and SW part of the lease area upto the period of its operation, i.e upto February, 2016. On the date of inspection the mine was not in operation. The Bauxite of the area was mixed type with predominantly Gibbsite (Al <sub>2</sub> O <sub>3</sub> .3H <sub>2</sub> O) in the range of 70-75% and balance 30-25% is Bohemite (Al <sub>2</sub> O <sub>3</sub> . H <sub>2</sub> O).	The mine was not in operation during July, 2012 to April, 2014 due to EC. The mine re-opened on 01.05.2014 and worked upto February, 2016. The mine again became non-operative from March, 2016 to April, 2017 for extension of lease.

---

Exploitation:

---

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

---



- 3a Number of pit proposed for production As per approved Mining Plan dated , dated 12.09.2016, valid for the plan period 2016-17 to 2019-20 (2015-16 was lapse period), production was proposed from Quarry no. 2 & 4 (Merged) as envisaged in the Development Plan of the approved document. Production was reported mainly from Quarry no. 2 and 4(Merged) on the Western & SW part of the lease area upto the period of its operation, i.e upto February, 2016. Altogether, 5 quarries were opened in the area, the dimension of which are given below:-  
i. Quarry no. 1: 160m X 60m X 6m;  
ii. Quarry no. 2 & 4(Merged): 600m X 180m X 6.5m;  
iii. Quarry no. 3: 70m X 35m X 6m;  
iv. Quarry no. 5: 70m X 50m X 3m. The mine was not in operation during July, 2012 to April, 2014 due to EC. The mine re-opened on 01.05.2014 and worked upto February, 2016. The mine again became non-operative from March, 2016 to April, 2017 for extension of lease.
- 3b Quantity of ROM mineral production proposed As per approved Mining Plan, the ROM Mineral production during 2016-17 to 2019-20 (2015-16 was lapse period) was proposed to be as under:-  
i. 2016-17: 91330 Cu.m;  
ii. 2017-18: 99583 Cu.m;  
iii. 2018-19: 107120 cu.m;  
and  
iv. 2019-20: 113351 cu.m. The quantity of mineral production during last seven years was as given below:-  
i. 2010-11: 10070 MT;  
ii. 2011-12: 15280 MT;  
iii. 2012-13: 4090 MT;  
iv. 2013-14: Nil;  
v. 2014-15: 22910 MT;  
vi. 2015-16: 49741 MT;  
and  
vii. 2016-17: Nil. The mine was not in operation during 2016-17.
- 3c Recovery of saleable/usable mineral from ROM production The proposed recovery of saleable/useable mineral from ROM production was 80%. During the period 2015-16, the average recovery of mineral from ROM was around 65-70%. --

3d	Quantity of mineral reject generation	As per approved Mining Plan dated 12.09.2016, no proposal was available for mineral rejects generation during the period 2016-17 to 2019-20 (2015-16 was lapse period).	No mineral reject generation was reported from the mine.	--
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable as there was no proposal of Mineral reject generation. Further, the threshold value for Bauxite has been fixed at 30% Al <sub>2</sub> O <sub>3</sub> & <5% SiO <sub>2</sub> .	No Mineral Reject generation had been reported from the mine hence grade of mineral reject is irrelevant. The Threshold value of Bauxite is Al <sub>2</sub> O <sub>3</sub> - 30% with SiO <sub>2</sub> - < 5%. The av. grade of ore produced was of 40-46% Al <sub>2</sub> O <sub>3</sub> and 4-4.5% SiO <sub>2</sub> .	--
3f	Quantity of sub grade mineral generation.	There was no proposal for Sub-grade mineral generation in the last approved Mining Plan valid for the plan period 2016-17 to 2019-20. Further, the period 2015-16 was was lapse period.	No sub-grade Bauxite production was reported from the mine. However, whatever low grade materials were generated from the mine were blended with high grade material before dispatch, maintaining the requisite grade. Thus mineral wastage was avoided and ascertaining mineral conservation aspect.	--
3g	Grade of sub grade mineral generation	There was no proposal for Sub-grade mineral generation during the plan period 2015-16 to 2019-20, hence grade of the same is not applicable.	Not applicable as there was no sub-grade generation reported from the mine during 2015-16.	--

- 3h Manual / Mechanised method adopted for segregating from ROM In the approved Mining Plan, manual method was proposed for segregating from ROM. Total ROM was proposed to be sorted out by hand picking at mine site. Only the large lumps of lateritic contact zone was proposed to be broken manually into small pieces up to 10 cm in size to prevent Iron and Silica contamination of lateritic zone. The Aluminium ore after blasting was segregated manually from ROM. The large lumps of Ore were broken into small pieces (10 cm size). The mine was not in operation during July, 2012 to April, 2014 due to EC. The mine re-opened on 01.05.2014 and worked upto February, 2016. The mine again became non-operative from March, 2016 to April, 2017 for extension of lease. --
- 3i Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. No analysis or beneficiation study was proposed for sub-grade mineral and reject material since no sub-grade and reject material was proposed to be generated from the mine as per approved Mining Plan valid for the plan period 2016-17 to 2019-20 (2015-16 was lapse period). No analysis or beneficiation study was carried out for sub-grade mineral and reject material as no sub-grade mineral and reject material was reported to be generated from the mine. --

3j	Provision of drilling and blasting in mineral benches	As per approved Mining Plan, valid for the plan period 2016-17 to 2019-20 (2015-16 was lapse period), there was provision of drilling and blasting in harder formation.	Drilling with DTH (100 mm dia) and blasting were done in the mine during the period 2015-16. For OB, the Burden and Spacing were kept at 1m X 1.5m respectively and for Ore, the Burden and Spacing were kept at 3m X 3.5m respectively. For OB removal, the depth of hole was kept <3m (2.75m) and for Ore, it was kept at 6.6m with 10% of SG drilling in both the cases.	--
3k	Provision of mining machineries in mineral benches	The following machineries were proposed to be used in the mine as per approved Mining Plan:- i. DTH drill: 03 nos.(100 mm dia); ii. Jackhammer: 04 nos. (34-39 mm dia); iii. Compressor: 03 no. (300 cfm); iv. Excavatoe: 03 nos. (0.9 cu.m); v. Tipper: 04 no. (10MT).	The machineries proposed except Jackhammer were in use at the mine during 2015-16. For blasting, DTH machine was used for making holes. On the date of inspection, no machinery was in use, as the mine was not in operation.	The mine was not in operation during 2016-17.

- 31 Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM
- It was proposed in the approved Mining Plan valid for the period 2016-17 to 2019-20 (2015-16 was lapse period), that the bench height and width in Top soil, OB and Ore will be restricted within 6.0 m. The proposed bench dimension as per approved Mining Plan has been found to be suitable with the proposed method of mining under 'A'-FM category.
- During 2015-16, the mine was in operation under 'A'-OTFM category. In actual practice the height and width of benches in Top soil, OB and Ore were kept within 4-4.5 m in all the quarries. The height and width of benches were in conformity with the method of mining adopted under 'A'-OTFM category.
- The mine was not in operation during 2016-17 due to extension of lease.
- 3m Total area covered under excavation/pits
- As per approved Mining Plan, dated 12.09.2016, valid for the plan period 2016-17 to 2019-20 (2015-16 was lapse period), there was proposal to excavate about 9.49 Ha area during the plan period under review. During 2016-17, it was proposed to excavate about 1.57 Ha area.
- As on date of inspection (upto 2015-16), a cumulative of about 7.792 Ha area (NF area- 7.778 Ha + F area- 0.014 Ha) was covered under excavation including 0.84 Ha of backfilled area.
- During 2016-17, the mine was not in operation.

3n	Ore to OB ratio for the pit/mine during the year.	As per approved Mining Plan, the overall stripping ratio during the period 2016-17 to 2019-20 (2015-16 was lapse period) was proposed to be 1: 0.64 Tes/cu.m. During 2016-17, the Ore to OB ratio was proposed to be 1: 0.52 Tes/cu.m.	During the period 2016-17, the mine was not in operation. During 2015-16, the average Ore to OB ratio was calculated as 1: 0.69 Tes/cu.m. During 2015-16, the production was 49741 MT and total OB generation was 34818.5 cu.m (~69637 MT).	--
----	---	--	---	----

3o	Total area put in use under different heads at the end of year	As per approved Mining Plan, valid for the plan period 2016-17 to 2019-20 (2015-16 was lapse period), the total area put to be used after completion of 5 years working i.e at the end of 2019-20, was as follow :- i. Quarry- 15.026 Ha (Including 6.08 Ha of backfilling area); ii. Road- 1.048 Ha; iii. Green belt- 0.50 Ha; iv. OB Dump: 0.136 Ha; v. Infrastructure (Office): 0.005; vi. Total area put to be used: 16.715 Ha; and Total unused area: 32.354 Ha out of total lease area of 49.069 Ha.	Upto 2015-16, the total area put to use as per available record, was as under:- i. Quarry- 7.792 Ha (including 0.014 Ha in Forest land); ii. Backfilled area: 0.84 Ha iii. Infrastructure & Road- 1.102 Ha (including 0.120 Ha in Forest land); iv. O.B Dump: 0.906 Ha (~0.91 Ha); v. Green belt: 0.10 Ha; vi. Total area put to use: 9.9 Ha; and Total unused area: 39.169 Ha out of total lease area of 49.069 Ha.	--
----	--	---	---	----

3p	Production of ROM mineral during the last five year period as applicable	As per approved Mining Plan, the proposed production during the year 2016-17, was 219191 MT and during the plan period 2015-16 to 2019-20, the proposed year wise production schedule was as given below: i. 2015-16: 49741 MT (Actual); ii. 2016-17: 219191 MT; iii. 2017-18: 238998 MT; iv. 2018-19: 257089 MT; v. 2019-20: 272042 MT.	The quantity of mineral production during last seven years was as given below:- i. 2010-11: 10070 MT; ii. 2011-12: 15280 MT; iii. 2012-13: 4090 MT; iv. 2013-14: Nil; v. 2014-15: 22910 MT; vi. 2015-16: 49741 MT; and vii. 2016-17: Nil.	The mine was not in operation during 2016-17.
----	--	---	--	---



3q	General remarks of inspecting officers on method of mining etc.	As per approved document, the mine was proposed to be operated by opencast method under 'A'-FM category with bench dimension of 6m X 6m both in OB and Ore. In every year 3 benches were proposed to be developed, first two benches were proposed to be developed in OB, consisting of Top soil and Morrums/Laterite and the third bench was proposed to be developed in Ore.	During 2015-16, the mine was in operation by opencast method under 'A'-OTFM category. The bench dimensions were maintained within stipulated limit. The mine was not in operation during 2016-17 due to extension of lease. During 2015-16, the mine worked in Quarry no. 2 and 4.
----	---	--	--

---

Solid Waste Management - Dumping:

---

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

---

4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	As per approved Mining Plan dated 12.09.2016, valid for the plan period 2016-17 to 2019-20 (2015-16 was lapse period), there was no proposal for dumping of Top soil and OB material within the lease area. There was no proposal for Mineral Reject dump either. Concurrent backfilling with simultaneous spreading of top soil was proposed during the plan period. Further, there was proposal of rehandling of 4 dumps, viz. D2(East of Q2&4), D1B(South of Q2&Q4), D1A((South of Q2& Q4) and D3(Northern Part).	Separate dumps of Top soil and OB/Waste existed in the lease area. Total 7 nos. of dumps existed within the lease area. No fresh dump was created during 2015-16 and 2016-17. There was no Mineral Reject dump within the lease area.	The mine was not in operation during 2016-17.
----	--	--	---	---

4b	Location of topsoil, OB and mineral reject dumps	As per approved Mining Plan, valid for the plan period 2015-16 to 2019-20 (2015-16 was lapse period), there was no proposal for fresh dumping of Top soil OB/waste within the lease area as concurrent backfilling and spreading of top soil were proposed from the year 2016-17.	Total 6 nos. of dumps existed within the lease area. Dump no. D1A and D1B of Top soil, were located on the SW lease boundary, dump no. D2(OB) was located on the SW part of lease area (on the West of Q4), dump no. D3(Top Soil) was located on the North of Q2, dump no. D4A & D4B(OB) were located East of Q1 on the SE part of lease and one Morrum dump was created on the Western part of lease. No fresh dump was created during 2015-16 and 2016-17. There was no Mineral Reject dump within the lease area.	--
4c	Number of dumps within lease area and outside of lease area	There was no proposal of dump within the lease area as concurrent backfilling and top soil spreading were proposed in the approved Mining Plan, valid for the plan period 2015-16 to 2019-20 (2015-16 was lapse period). There was no proposal of dump outside lease area.	Seven dumps were located within the lease area. The type and dimension of dumps are given below:- i. Dump no. D1A (Top Soil): 45m X 35m X 6m; ii. Dump no. D1B (Top Soil): 32m X 20m X 4m; iii. Dump no. D2 (OB/Waste): 60m X 42m X 3m; iv. Dump no. D3 (Top soil): 65m X 25m X 7m; v. Dump no. D4A (OB/Waste): 30m X 18m X 3m; vi. Dump no. D4B (OB/Waste): 60m X 30m X 2m; and vii. Morrum dump (Western part of lease): 30m X 12m X 5m. There was no dump outside lease area.	There were 3 nos. each of Top soil and OB/Waste dumps and 1 no. of Morrum dump within the lease area.

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No fresh dump was proposed during the approved plan period of 2015-16 to 2019-20 (2015-16 was lapse period).	All the dumps were located outside the Ultimate Pit Limit (UPL). Two dumps were created on the Western part of lease without any approved proposal, which was communicated to the lessee in the form of Violation letter vide this office letter no. BIH/GUM/BX/216/RRO, dated 29.05.2017.	--
4e	Number of active and alive dumps.	No such proposal was available.	Out of seven dumps, 4 dumps were active within the lease area as concurrent backfilling was also under way. Total area covered under active dump was 0.509 Ha (~0.51 Ha).	The mine was not in operation during 2016-17 due to extension of lease.
4f	Number of dead dumps.	There was no proposal of dead dump in the approved Mining Plan dated 12.09.2016.	There were three (03) nos. of dead dumps present within the lease area, the area covered under dead dump was 0.396 Ha (~0.4 Ha).	--
4g	Number of dumps established.	There was no proposal of dump establishment. There was proposal of re-handling of 4 dumps as per schedule given below:- i. 2016-17: Dump no. D2(OB); ii. 2018-19: Dump no. D1A & D1B(Top soil); and iii. 2019-20: Dump no. D3(Top soil).	No dump was established. As per proposal no dump re-handling was done during 2016-17 as the mine was not in operation during 2016-17 due to extension of lease.	--
4h	Whether Retaining wall or garland drain all along dumps are there.	There was no proposal of construction of Retaining wall or Garland drain around the dump.	Retaining wall was constructed along two (02) existing dumps. No Garland drain was constructed along the dumps.	--

4i	Length of Retaining wall or garland drain all along dumps	Not applicable as there was no proposal of construction of Retaining wall and Garland drain in the approved Mining Plan.	The length of retaining wall were 60m and 40m along dump no. D1A(Top soil) and D2(OB) respectively.	
4j	Number of settling ponds	No such proposal was there for construction of settling pond in the approved Mining Plan.	No settling pond was created within the lease.	--
4k	Specific comments of inspecting officer on waste dump management	Simultaneous backfilling and top soil spreading were proposed, no such proposal was there on waste dump management in the approved Mining Plan valid for the plan period 2015-16 to 2019-20 (2015-16 was lapse period). Four (04) dumps viz. D2(OB), D1A & D1B(Top Soil) and D3(Top soil) were proposed to be rehandled during 2016-17, 2018-19 and 2019-20 for backfilling and reclamation of the voids.	Seven dumps existed within the lease area. The type and dimension of dumps are given at para 4(c). Retaining wall was given along two dumps (D1A and D2) to stabilise the same. The dump on the Northern part of the lease (D3) was terraced for its stabilization. Rest dumps were of moderate height and were within manageable limit.	Two dumps were created on the Western part of lease without any approved proposal, which was communicated to the lessee in the form of Violation letter vide this office letter no. BIH/GUM/BX/216/RRO , dated 29.05.2017.

---

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.	As per approved Mining Plan, there was proposal for part extraction of mineral from mined out area before starting backfilling i.e simultaneous backfilling along with top soil spreading were proposed in the approved document valid for the plan period 2016-17 to 2019-20 (2015-16 was lapse period).	Simultaneous backfilling was in practice in the mine on Northern part of lease area, South of quarry no. 3 and on the East of quarry no. 4, at the Central part of lease area. About 0.84 Ha area was backfilled and reclaimed upto February 2016. The mine was not in operation from March, 2016 to April 2017 due to extension of lease.	--
5b	Area under backfilling of mined out area	As per approved Mining Plan, there was proposal for backfilling of about 6.08 Ha of void area within the lease during the valid plan period 2016-17 to 2019-20 (2015-16 was lapse period).	Upto 2015-16 (and upto January, 2017), about 0.84 Ha area was backfilled.	During 2016-17, the mine was not in operation.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	As per approved Mining Plan dated 12.09.2016, there was proposal for concurrent spreading of top soil over worked out area.	Three top soil dumps were present on the SW and Northern part of the lease area. Concurrent top soil spreading was also done on the Northern and Central part of lease area.	--

5d	Total area fully reclaimed and rehabilitated	During the approved plan period of 2016-17 to 2019-20 (2015-16 was lapse period), there was proposal for backfilling/reclamation of about 6.08 Ha area out of 15.026 Ha of excavated area. There was no proposal for rehabilitation during the plan period. It was proposed that there will be simultaneous spreading of top soil over backfilled area.	Upto 2015-16 (and upto January, 2017), about 0.84 Ha area was backfilled and reclaimed. No rehabilitaion of the area was done as it was not proposed during the plan period.	--
5e	General remarks of inspecting officers on backfilling and reclamation etc.	As per approved Mining Plan dated 12.09.2016 valid for the plan period 2016-17 to 2019-20 (2015-16 was lapse period), there was proposal of backfilling/reclamation of about 6.08 Ha of void area within the lease during the plan period. No Rehabilitation was proposed during the plan period.	About 0.84 Ha area was backfilled and reclaimed. No rehabilitaion was done. As on date of inspection the mine was not in operation. The proposed excavation and subsequent backfilling could not be achieved by the lessee due to non-operational status of mine from March 2016 to April, 2017.	--

---

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 such proposal was there in the approved Mining Plan dated 12.09.2016, valid for the plan period 2016-17 to 2019-20 (2015-16 was lapse period).	The Annual Report on PMCP under Rule- 26(2) of MCDR, 2017 was not submitted by the party for the period 2015-16, the same was pointed out to the party in the form of violation letter issued vide letter no. BIH/GUM/BX/216/RRO, dated 29.05.2017.	--
6b	Area available for rehabilitation (ha) .	No proposal was available. Only backfilling/reclamation proposal was available for 6.08 Ha area during the plan period 2016-17 to 2019-20 (2015-16 was lapse period).	Upto 2015-16 (and upto January, 2017), about 0.84 Ha area was backfilled and reclaimed. No rehabilitation of the area was done as it was not proposed during the plan period.	--

---



6c	afforestation done (ha).	<p>As per proposal, 9150 nos. of plants were proposed to be planted covering an area of about 3.66 Ha during the plan period 2016-17 to 2019-20 (2015-16 was lapse period). Within 7.5m safety barrier, total 1000 no. of plantation was proposed @ 250 plants/year covering 0.4 Ha area and on Reclaimed area, total 8150 no. of plantation was proposed covering 3.26 Ha area. The year wise plantation schedule on Reclaimed area is given below:-</p> <p>i. 2016-17: 900 nos.(0.36 Ha);</p> <p>ii. 2017-18: 1675 nos.(0.67 Ha);</p>	<p>The year wise plantation done along the 7.5m safety barrier was as given below:-</p> <p>i. 2010-11: N.A;</p> <p>ii. 2011-12: N.A;</p> <p>iii. 2012-13: 100 nos. ;</p> <p>iv. 2013-14: Nil;</p> <p>v. 2014-15: 100 nos.;</p> <p>vi. 2015-16: 100 nos;</p> <p>vii. 2016-17: Nil.</p>	<p>The year wise plantation schedule on Reclaimed area(Contd.) is given below:-</p> <p>iii. 2018-19: 1350 nos.(0.54 Ha); and</p> <p>iv. 2019-20: 4225 nos.(1.67 Ha). The mine was not in operation during 2016-17.</p>
----	--------------------------	---	---	--

6d	No. of saplings planted during the year	As per approved Mining Plan valid for the plan period 2016-17 to 2019-20 (2015-16 was lapse period), there was proposal for 250 nos. of plantation to be done over an area of 0.10 Ha within 7.5m safety barrier and 900 nos. of plantation to be done over an area of 0.36 Ha on Reclaimed area during 2016-17.	During the year 2015-16, 100 nos. of plantation were done along the 7.5m safety barrier covering 0.1 Ha area. No plantation was done during the year 2016-17 as the mine was not in operation during the period under review.	--
6e	Cumulative no .of plants	There was no proposal for cumulative plantation. However, during the plan period 2016-17 to 2019-20 (2015-16 was lapse period), about 9150 nos. of plantation were to be done over an area of 3.66 Ha.	On cumulative basis about 300 nos. of plantation were done by the lessee during 2010-11 to 2015-16 covering about 0.10 Ha area within 7.5m safety barrier.	The mine was not in operation during 2016-17.
6f	Any other method of rehabilitation	No further proposal was available in the approved Mining Plan.	Not applicable.	--
6g	Cost incurred on watch and care during the year	No proposal was available in the approved Mining Plan dated 12.09.2016.	Cost incurred on watch and care was reported to be about Rs.1,50,000/- during the year 2015-16.	--

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( L x B x D	About 6.08 Ha area was proposed to be backfilled during the approved plan period of 2016-17 to 2019-20. The dimension of void proposed to be available for backfilling was 153m X 64m X 10m encompassing 0.85 Ha area during the plan period 2016-17.	About 0.84Ha area was backfilled and reclaimed on the Northern part (South of Quarry no. 3)and Central part (West of Quarry no. 2 & 4) of lease area. On the Northern part i.e South of Quarry no. 3 about 85m X 32m X 4-5m area and at the Central part i.e West of Quarry no. 2 & 4 about 30m X 22m X 6-6.5m area was backfilled.	--
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	There was proposal for 6.08 Ha of backfilling in the last approved Mining Plan valid for the plan period 2016-17 to 2019-20 (2015-16 was lapse period) by using about 327570 Cu.m of OB/Waste material.	Upto 2015-16 (and upto January, 2017), about 0.84 Ha area was backfilled. The quantum of material used for backfilling was not available.	The mine was not in operation during 2015-16.

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	As per approved Mining Plan, valid for the plan period 2016-17 to 2019-20 (2015-16 was lapse period), the year wise plantation schedule on Backfilled/Reclaimed area is given below:- i. 2016-17: 900 nos.(0.36 Ha); ii. 2017-18: 1675 nos.(0.67 Ha); iii. 2018-19: 1350 nos.(0.54 Ha) and iv. 2019-20: 4225 nos.(1.69 Ha).	No plantation has been done over backfilled area. However, during the year 2015-16 about 100 nos. of plantations were done by the lessee along the 7.5 m safety barrier. During 2016-17, no plantation was done by the lessee as the mine was not in operation during 2016-17.	--
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	There was no such proposal in the approved Mining Plan dated 12.09.2016.	No water reservoir was constructed.	--
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	There was no other proposal in the last approved Mining Plan valid for the plan period 2016-17 to 2019-20 (2015-16 was lapse period).	Not applicable.	--
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	There is no recorded Waste land within the lease area.	Not applicable.	--
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	There was no such proposal as no waste land existed in the lease area.	Not applicable.	--

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal available.	Not applicable.	--
6p	Compliance of environmental monitoring (core zone and buffer zone)	No specific proposal was available.	During the period 2015-16 to 2016-17, no information about environmental monitoring carried out in and around the lease area was available.	--
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	It was proposed in the approved Mining plan dated 12.09.2016, valid for the plan period 2016-17 to 2019-20 (2015-16 was lapse period), that, about 15.026 Ha area will be covered under excavation upto the plan period 2019-20. Further, during the plan period, Green belt will cover about 0.50 Ha area, about 1.048 Ha area was proposed to be covered under road, about 0.005 Ha area was proposed to be covered under Infrastructure and about 0.136 Ha area was proposed to be covered under Dump.	Upto 2015-16, a cumulative of about 7.792 Ha area was covered under excavation, about 0.776 Ha area was covered under dump, Green belt cover was around 0.10 Ha area and 1.102 Ha area was covered under Infrastructure & Road. Retaining wall was constructed measuring 60m X 0.5m X 1m (l X w X h) and 40m X 0.5m X 1m (l X w X h) on the SW and Western part of the lease area.	During 2016-17, the mine was not in operation.

---

Mineral Conservation:

---

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

---

7a	ROM Mineral dispatch or grade-wise sorting within lease area	There was no proposal for mineral dispatch in the approved Mining Plan. There was proposal for grade wise sorting within the lease.	Bauxite of this mine was pre-dominantly Gibbsite i.e tri-hydrate (Al <sub>2</sub> O <sub>3</sub> .3H <sub>2</sub> O). About 70-75% of the ore was Gibbsite and rest 30-25% was Bohemite i.e mono-hydrate (Al <sub>2</sub> O <sub>3</sub> .H <sub>2</sub> O). The year wise dispatch figure was as given below:- i. 2010-11: 10035 MT(Al <sub>2</sub> O <sub>3</sub> : 40-45%); ii. 2011-12: 3773.13 MT(Al <sub>2</sub> O <sub>3</sub> : 40-45%) & 12081.085 MT (Al <sub>2</sub> O <sub>3</sub> : 45-50%); iii. 2012-13: 189.610 MT(Al <sub>2</sub> O <sub>3</sub> : 40-45%) & 2216.450 MT (Al <sub>2</sub> O <sub>3</sub> : 45-50%); iv. 2013-14: Nil; v. 2014-15: 22499.795 MT(Al <sub>2</sub> O <sub>3</sub> : 45-50%);	vi. 2015-16: 48431.030 MT(Al <sub>2</sub> O <sub>3</sub> : 40-45%); and vii. 2016-17: Nil. During 2016-17, the mine was not in operation.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual sorting and blending to ensure the required grade was proposed in the last approved Mining Plan.	Manual grade wise sorting, manual screening(for fraction above 1" size) followed by blending with suitable grade was practiced at the mine site during the year 2015-16. Thus all possible efforts like hand sorting, hand screening, bulk sampling followed by time to time chemical analysis were systematically followed to ensure that ore is not being mixed with waste material.	--
7c	Different grade of mineral sorted out at mines.	No specific proposal was there in the last approved Mining Plan.	Generally two types of ore stock were made within the mine site. One was of 40-45% Al <sub>2</sub> O <sub>3</sub> and the other of 45-50% Al <sub>2</sub> O <sub>3</sub> grade material. The low grade ore was blended with high grade material in appropriate calibrated proportion before dispatch to maintain the required grade to be dispatched to consignee.	--

7d	Any beneficiation process at mines .	No proposal of mineral beneficiation at mine site was made in the approved Mining Plan valid for the plan period 2016-17 to 2019-20 (2015-16 was lapse period).	No mineral beneficiation was done, only manual sorting, screening and sizing were done at the mine site.	--
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	It was proposed in the approved Mining Plan that, low grade Bauxite will be hand sorted and suitably blended to meet the metal grade requirement. Mechanical screening of the fraction above 1" size was also proposed.	No mineral beneficiation was carried out at the mine site. For Mineral Conservation aspect, lessee had deployed suitable nos. of workers for grade wise sorting, blending etc to avoid mixing of ore with deleterious material. The year wise employment figure is given below:- i. 2010-11: 38 nos.; ii. 2011-12: 15 nos.; iii. 2012-13: 16 nos.; iv. 2013-14: 03 nos.; v. 2014-15: 19 nos.; vi. 2015-16: 22 nos.; and vii. 2016-17: 01 no.	The mine was not in operation during 2016-17.

---

Environment:

---

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

---

8a	Separate removal and utilization of topsoil (Rule 32)	<p>In the approved Mining Plan valid for the plan period 2016-17 to 2019-20 (2015-16 was lapse period), there was proposal for separate removal of top soil, stacking of top soil in the earmarked dump(top soil) and simultaneous spreading of the same over backfilled area. The top soil removal proposal was as under:-</p> <ul style="list-style-type: none"> <li>i. 2016-17: 18009 cu.m;</li> <li>ii. 2017-18: 25278 cu.m;</li> <li>iii. 2018-19: 27809 cu.m;</li> <li>and</li> <li>iv. 2019-20: 30927 cu.m.</li> </ul>	<p>The top soil removal figure is not available. The top soil so generated, was dumped on the SW and Western part of lease area and also utilized for simultaneous spreading over backfilled area.</p>	<p>The mine was not in operation during 2016-17.</p>
8b	Concurrent use or storage of topsoil	<p>As per approved Mining Plan, there was proposal for simultaneous spreading of top soil over backfilled area.</p>	<p>There were three (03) top soil dumps was present within the lease area. Two (02) were on the SW part of lease area and the other one was present on the Northern part, on the West of Quarry no. 2 &amp; 4 merged. Concurrent top soil spreading was done on the Northern and Central part of lease area on the South of Quarry no.3 and on the West of Quarry no. 2 &amp; 4 (Merged) respectively.</p>	--



8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	As per approved Mining Plan dated 12.09.2016, valid for the plan period 2016-17 to 2019-20 (2015-16 was lapse period), there was no proposal for dumping of Top soil and OB material within the lease area. There was no proposal for Mineral Reject dump either. Concurrent backfilling with simultaneous spreading of top soil was proposed during the plan period. Further, there was proposal of rehandling of 4 dumps, viz. D2(East of Q2&4), D1B(South of Q2&Q4), D1A((South of Q2& Q4) and D3(Northern Part).	Separate dumps of Top soil and OB/Waste existed in the lease area. Total 7 nos. of dumps existed within the lease area. The type and dimension of dumps are given at para 4(c). No fresh dump was created during 2015-16 and 2016-17. There was no Mineral Reject/Fines dump within the lease area.	--
----	--	--	---	----

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	There was proposal for 6.08 Ha of backfilling in the last approved Mining Plan valid for the plan period 2016-17 to 2019-20 (2015-16 was lapse period) by using 327570 Cu.m of OB/Waste material. During 2016-17, it was proposed to use 59058 Cu.m of OB/Waste material.	The quantity of OB/Waste material used during 2015-16 and 2016-17, for backfilling was not available.	During 2016-17, the mine was not in operation.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Phase wise restoration, reclamation and rehabilitation of land have not been proposed in the approved Mining Plan.	As per available record, upto 2015-16 (and upto January, 2017), about 0.84 Ha area was backfilled. Phase wise restoration, reclamation and rehabilitation of land affected by mining operations were not available.	--
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No existing plantation was reported in the approved Mining Plan. It was proposed that 1000 nos. of plantation were to be done over an area of 0.4 Ha along the safety barrier of lease area and 8150 nos. of plantation were to be done over an area of 3.26 Ha over the reclaimed area during 2016-17 to 2019-20 (2015-16 was lapse period).	During the year 2015-16 about 100 nos. of plantations were done by the lessee covering an area of about 0.1 Ha. No plantation was done during 2016-17 as the mine was not in operation due to extension of lease.	--

8g	Survival rate	No specific proposal was made in the approved Mining Plan regarding survival rate.	During the period 2015-16, the survival rate was around 40% as reported by the mine management in the Annual Return for the year 2015-16.	No plantation was made during the year 2016-17.
8h	Water sprinkling on roads to control airborne dust	There was no specific proposal in the approved Mining Plan valid for the plan period 2016-17 to 2019-20 (2015-16 was lapse period).	Water sprinkling was done as and when required in dry season. During 2016-17, no water sprinkling was done as the mine was not in operation.	--
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No such proposal was available in the valid approved Mining Plan.	The area was almost barren, devoid of thick vegetation. Only sparse vegetation was found within the lease area. There was very little amount of excavation within the lease area covering only 7.792 Ha out of total lease area of 49.069 Ha thus only about 17% area was covered under excavation. The general aesthetic beauty of the lease area was not disturbed as such.	--

---

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 2014-15 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 had submitted the Monthly return regularly during the year 2015-16. They had also submitted the Annual Return for the year 2015-16 within stipulated time. In both type of returns, all the fields were filled up with required information.	The mine was not in operation from March, 2016 to April, 2017 for extension of lease.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Since the mine was 'A'-FM category, a Whole time Mining Engineer and a whole time Geologist were to be appointed as per Rule-55(3) with due intimation of the same in Form-H under Rule-46 of MCDR, 2017.	Name of full time Mining Engineer and Geologist were submitted in the Annual return for the year 2015-16.	--

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 2015-16 was as under:- i. Area under excavation: 7.792 Ha; ii. Reclaimed: 0.47 Ha; iii. Dump are: 0.503 Ha; iv. Road & Infrastructure : 1.102 Ha.	Upto 2015-16, the total area put to use as per available record, was as under:- i. Quarry- 7.792 Ha (including 0.014 Ha in Forest land); ii. Backfilled area: 0.84 Ha iii. Infrastructure & Road- 1.102 Ha (including 0.120 Ha in Forest land); iv. O.B Dump: 0.906 Ha (~0.91 Ha); v. Green belt: 0.10 Ha; vi. Total area put to use: 9.9 Ha; and Total unused area: 39.169 Ha out of total lease area of 49.069 Ha.	--
9d	Scrutiny of Annual return on afforestation	In Part-V, item no. 4.4 of the Annual Return for the year 2015-16, the plantation done was given as 100 nos.	The information furnished was found to be correct as during the period under review about 100 plantation was done along the safety barrier during the year 2015-16.	No plantation was done during the year 2016-17 as the mine was not in operation.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	In Part-V, Sec 4 of the Annual Return 2015-16, the information on Mineral Reject generation was Nil.	No Mineral Reject generation was reported from the mine during the period 2015-16.	--
9f	Scrutiny of Annual return on ROM stock and/or graded ore	In Part VI, item no. 1 & 2(A), of the Annual Return (2015-16), the ROM stock (opening balance) and Closing stock shown were as given below:- Opening stock- 40-45% Al2O3: 493.28 MT; Closing Stock- 40-45% Al2O3: 1803.254 MT.	The figure given for Opening stock and Closing stock were in conformable with the figure furnished through Monthly Returns for the year 2015-16.	--

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 Part-VI and VII of the Annual Return for the year 2015-16.	In Part-VI, item no. 2 of the Annual Return 2015-16, the Ex-Mine price was shown as Rs. 400/-, in Part-VI, item no. 4, the Sale value was shown as Rs. 400/- and cost of production during 2015-16 was shown as Rs. 431.70/- in Part-VII of the Annual Return. The anomalies observed in the Annual Return were pointed out to the party.	--
9h	Scrutiny of Annual return on fixed assets	The value of Fixed Assets of the lessee was given in Part-IIA of the A.R for the year 2015-16 as Nil.	The value of Fixed Assets of the lessee for the year 2015-16 was shown as Nil in Part-IIA of the A.R, under Capital structure.	--
9k	Scrutiny of Annual return on mining machineries	In Part-V, Sec 5/6/8/9 of the Annual Return 2014-15, the machinery used was given.	During 2015-16, the machineries used were as given below:- i. DTH drill: 01 no. (100mm); ii. Excavator: 01 no. (0.9 cu.m); iii. Dumper: 04 nos. (10 MT).	The mine was not in operation during the year 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(1)	29/05/2017			
MCDR17	Rule 26(2)	29/05/2017			
MCDR17	Rule 28(1)	29/05/2017			
MCDR17	Rule 31(4)	29/05/2017			
MCDR17	Rule 32(1)(e	29/05/2017			
MCDR17	Rule 32(1)(k	29/05/2017			
MCDR17	Rule 32(1)(c	29/05/2017			
MCDR17	Rule 32(1)(c	29/05/2017			
MCDR17	Rule 33	29/05/2017			
MCDR17	Rule 36(3)	29/05/2017			

**Date :**

**(N.K.CHATERJI)**

Indian Bureau of Mines