

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

**MCDR INSPECTION REPORT**

**Ranchi regional office**

**Mine file No :** JHK/LOH/BX/248/RRO

**Mine code :** 07JHK12009

- (i) Name of the Inspecting : **S001** ) **B K SINGH**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri A K Pandey AGM, Sri S A Manan Geologist , Sri Victo  
Official with  
Designation
- (iv) Date of Inspection : 10/10/2017
- (v) Prev.inspection date : 10/01/2017

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **HISRI EXTENSION (19.58 H)**
- (b) **Registration NO.** : **IBM/935/2011**
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : JHARKHAND  
District : LOHARDAGA  
Village : HISRI  
Taluka : LOHARDAGA  
Post office :  
Pin Code :  
FAX No. : 033-22883964  
E-mail : N.A.  
Phone : 06526-295526/27, 294611,
- (f) Police Station : KISKO
- (g) First opening date : 10/10/1951
- (h) Weekly day of rest : FRI
2. Address for : VILL.- HISRI,  
correspondance P.O.- BAGRU HILL,  
DISTT.- LOHARDAGA (JHK)
3. (a) Lease Number : BHR0266
- (b) Lease area : 14.55
- (c) Period of lease : 15
- (d) Date of Expiry : 18/07/1996
4. Mineral worked : BAUXITE Main

## 5. Name and Address of the

Lessee : M/S HINDALCO INDUSTRIES LTD.  
 AT - COURT ROAD,  
 LOHARDAGA, LOHARDAGA  
 JHARKHAND  
 Phone:06526-22401112, 224446 & 224016.  
 FAX :06526-224112 & 224445

Owner : A.K AGRAWAL  
 M/S HINDALCO INDUSTRIES  
 LTD. CENTURY BHAWAN, 3rd  
 FLOOR, Dr. ANNIE BASANT  
 ROAD, WORLY, MUMBAI (MH)  
 KOLKATA WEST BENGAL  
 Phone:  
 FAX :

Agent : B.K.JHA  
 M/s HINDALCO INDUSTRIES  
 Ltd. COURT ROAD PO& DIST -  
 LOHARDAGA (JHK) LOHARDAGA  
 JHARKHAND  
 Phone: Mob- 941708929, 06526-224112/224015  
 FAX : 06526-224118

## Mining Engineer

Name : AJAY KUMAR PANDEY, Full Time  
 Qualification : B.E.(MINING), ISM, DHANBAD  
 Appointment/ :  
 Termination date

## Geologist

Name : B.K. MAHAPATRA, Full Time  
 Qualification : M.Sc(Geo)  
 Appointment/ : 20/02/2014  
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	13/01/1994
Plan/Scheme of Mining		Renewal under rule 24 MCR1960	18/12/1995
		Renewal under rule 24 MCR1960	20/05/2006
		Mining Scheme rule 12 MCDR1988	06/10/2010
		Modif.of approved Mining Plan	06/10/2010
		FMCP under 23C(1)	05/08/2014
		MP modif under MCR 1960	23/12/2015

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	During the approved plan period from 2015-16 to 2019-20, additional 13 nos. of boreholes have been proposed.	The entire lease area has been explored in detail and systematically by core drilling at a regular grid interval of 45m x 45m. The entire estimated reserves have been put under proved category. No boreholes drilled during the year 2016-17 by the lessee.	
1b	Exploration over lease area for geological axis 1 or 2	During the approved plan period from 2015-16 to 2019-20, additional 13 nos. of boreholes have been proposed.	The entire lease area has been explored in detail and systematically by core drilling at a regular grid interval of 45m x 45m. The entire estimated reserves have been put under proved category. No boreholes drilled during the year 2016-17 by the lessee.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal in the last approved document.	No exploration carried.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	During the approved plan period from 2015-16 to 2019-20, additional 13 nos. of boreholes have been proposed.	The entire lease area has been explored in detail and systematically by core drilling at a regular grid interval of 45m x 45m. The entire estimated reserves have been put under proved category. No boreholes drilled during the year 2016-17 by the lessee.	
1e	Balance reserve as on 01/04/20	As approved modification in approved MP approved on 23.12.2015, reserve as on 01.04.2015. (111): 852382.25.MT	Reserve as on 01.04.2015 : (111): 852382.25.MT Productin 2015-16 :64488 MT 2016-17:98608 MT Reserve As on 01.04.2017 : 852382-163096=689286 MT	

1f	General remarks of inspecting officers on geology, exploration etc	NA	The bauxite in the area is both boehmitic and gibbsitic and is found suitable for low temperature and low pressure leaching by American Bayers process. The entire lease area has been explored in detail and systematically by core drilling at a regular grid interval of 45m x 45m.	The entire estimated reserves have been put under proved category.No further exploration carred.
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Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	During 2016-17 it was proposed to work in quarry no -3.	Mining work was going on as per the proposal made in the approved document.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There is proposal for formation of separate benches in OB and mineral	Separate benches in top soil, two benches in OB and one bench in mineral have been formed.	
2c	Stripping ratio or ore to OB ratio	As per the approved document the proposed stripping ratio during the year 2016-17 was 1:0.24.	During 2016-17 ROM production was 98608 MT and OB generation was 144896 MT	
2d	Quantity of topsoil generation in m3	Proposed quantity of generation of top soil during the year 2016-17 was 4965 cum.	Top soil generated during 2016-17 was 7735 MT	
2e	Quantity of overburden generation in m3	Proposed quantity of generation of OB during the year 2016-17 was 18418 cum.	OB generated during 2016-17 was 144896 MT	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Not applicable.	Mining was carried in quarry no-4 .	Mining development was in progress as per approved document.
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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	During the year 2017-18, it was proposed to work in quarry no. 4.	During the year 2017-18 development was in progress in quarry no - 4.	
3b	Quantity of ROM mineral production proposed	Proposed production during the year 2016-17 was 99316 MT as per the approved document.	During the year 2016-17, Production of ROM was 98608 MT.	
3c	Recovery of sailable/usable mineral from ROM production	Proposed recovery of bauxite is 90% from ROM.	90% recovery of bauxite from ROM was reported during the inspecton.	
3d	Quantity of mineral reject generation	No proposal of mineral reject generation.	No mineral reject generation was reported from the mine.	
3e	Grade of mineral rejects generation and threshold value declared.	No proposal of mineral reject generation.	Not applicable as no mineral reject generation was reported from the mine.	
3f	Quantity of sub grade mineral generation.	No proposal of sub grade mineral generation.	No subgrade mineral generation was reported from the mine. The low grade bauxite ore produced from the mine is blended with the high grade material to make suitable for consumption in the lessee's captive alumina plant at Muri. There is no separate generation of sub grade ore from the mine.	
3g	Grade of sub grade mineral generation	No proposal of sub grade mineral generation.	Not applicable as no subgrade mineral generation was reported from the mine.	

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| 3h | Manual /<br>Mechanised<br>method adopted<br>for segregating<br>from ROM   | Mechanical<br>crushing and<br>screening is<br>proposed in<br>the approved<br>document.  | The ore produced from<br>the mine is crushed by<br>two jaw type crushers to<br>100-130 mm size and<br>crushed ore taken by a<br>900 mm wide belt<br>conveyor to the 450 t<br>ropeway loading bunker.<br>The crushed and screened<br>ore is loaded into 35 t<br>buckets of the mono -<br>cable ropeway to<br>Lohardaga railway<br>siding.  |
| 3i | Any analysis or<br>beneficiation<br>study proposed<br>and carried out<br>for sub grade<br>mineral and<br>rejects. | There is no<br>proposal of<br>any analysis<br>or<br>beneficiation<br>study for<br>subgrade<br>mineral and<br>rejects in the<br>approved<br>scheme of<br>mining.         | No mineral processing<br>was done in the lease<br>area. The ore is<br>transported from the<br>quarry by dumpers to the<br>crushing plant. The ore<br>is crushed by two jaw<br>type crushers to 100-130<br>mm size and crushed ore<br>taken by a 900 mm wide<br>belt conveyor to the 450<br>t ropeway loading<br>bunker. The crushed and<br>screened ore is loaded<br>into 35 t buckets of the<br>mono -cable ropeway to<br>Lohardaga railway<br>siding. |
| 3j | Provision of<br>drilling and<br>blasting in<br>mineral benches  | There is<br>provision of<br>drilling of<br>115 mm dia<br>holes and<br>blasting by<br>charging the<br>holes with<br>slurry<br>explosives in<br>the approved<br>document. | The drilling and<br>blasting as proposed in<br>the approved document is<br>being practiced in the<br>mine.  |

3k	Provision of mining machineries in mineral benches	Fully mechanised method of mining has been proposed in the approved document. As per approved document deployment of excavator having capacity 0.9cum-01, 1.5cum-01, 1.7cum-1, dumper-25T-03, 32T-01, crusher-60tph-01, 120tph-01, air compressor-01, crawler drill-115mm dia-01, aerial ropeway-BRECO,USA-01 have been proposed.	Machineries as proposed in the approved document have been deployed in the mines.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	As per the approved document. height of the proposed benches in OB 4.5m & height of the benches in ore 4m to 8m.	Height of the benches maintained in OB is 1.5m to 2.5m and height of benches in ore is 3.5m to 4m.
3m	Total area covered under excavation/pits	Total area proposed under excavation up to 2016-17 is quarry 3.24ha and reclaimed area 2.39ha as per the approved document.	During 2016-17 total broken area was 3.37 ha, Area reclaimed-1.53ha and area afforested-1.71ha
3n	Ore to OB ratio for the pit/mine during the year.	Ore to OB ratio proposed during 2016-17 was 1:0.24 and 1:0.42 during 2017-18.	Total ROM production during 2016-17 was 98608MT and OB generated was 144896MT

3o	Total area put in use under different heads at the end of year	Proposed area put in use under different heads during the year 2016-17 was: quarry-3.24ha, reclaimed area 2.39 ha, road 0.13ha and green belt 0.24ha.	During 2016-17 total broken area was 3.37 ha, Area reclaimed-1.53ha and area afforested-1.71ha	
3p	Production of ROM mineral during the last five year period as applicable	As per approved document, proposed production of ROM during last five years are as follows: 2015-16- 99087 MT, 2016-17-99316 MT, 2017-18- 99904 MT, 2018-19- 99026 MT and 2019-20- 99458 MT.	Actual production achieved during the last five years are as follows: 2012-13- 99651 MT, 2013-14-93813 MT, 2014-15- 54529 MT, 2015-16- 64488 MT and 2016-17- 98608 MT.	
3q	General remarks of inspecting officers on method of mining etc.	Not applicable.	The mining operation is being carried out by fully mechanised method by introducing deep-hole blasting and shovel - dumper combination. By and large mining operation is being carried out as per the proposal made in the approved document.	During 2016-17 total broken area was 3.37 ha, Area reclaimed-1.53ha and area afforested-1.71ha

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal of separate dumping of top soil, OB and mineral reject. There is proposal for concurrent backfilling of OB and mineral rejects in the mined out areas followed by spreading of top-soil over it.	Concurrent backfilling of the mined out areas by OB and mineral rejects is under progress.
4b	Location of topsoil, OB and mineral reject dumps	No proposal of separate dumping of top soil, OB and mineral reject in the lease area. There is proposal for concurrent backfilling of OB and mineral rejects in the mined out areas followed by spreading of top-soil over it.	Not applicable.
4c	Number of dumps within lease area and outside of lease area	No such proposal in the approved document.	There is no waste dump in the lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No such proposal in the approved document.	Not applicable.
4e	Number of active and alive dumps.	No such proposal in the approved document.	No active and alive dumps in the lease area.
4f	Number of dead dumps.	No such proposal in the approved document.	No dead dumps in the lease area.
4g	Number of dumps established.	No such proposal in the approved document.	Nil.

4h	Whether Retaining wall or garland drain all along dumps are there.	No such proposal in the approved document.	Not applicable.
4i	Length of Retaining wall or garland drain all along dumps	No such proposal in the approved document.	Not applicable.
4j	Number of settling ponds	No such proposal in the approved document.	Not applicable.
4k	Specific comments of inspecting officer on waste dump management	Not applicable.	Concurrent backfilling of OB and waste materials over the mined out areas followed by spreading of topsoil over it for reclamation was in practice in the mine.

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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.	Simultaneous backfilling on mined out areas has been proposed.	simultaneous backfilling was practiced.	
5b	Area under backfilling of mined out area	During 2016-17 total area proposed to be 2.39ha	During 2016-17 total area backfilled was 1.27ha and total reclamation 1.71ha	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Concurrent backfilling of OB and waste materials over the mined out areas followed by spreading of topsoil over it was proposed in the approved document.	Topsoil generated during the mining operation was utilised over the backfilled areas by spreading it over the reclaimed areas.	

5d	Total area fully reclaimed and rehabilitated	2.39 ha area was proposed to be reclaimed by back filling during the year 2016-17.	During 2016-17 total area backfilled was 1.27ha and total reclamation and rehabilitated -1.71ha	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Not applicable.	Concurrent backfilling of OB and waste materials over the mined out areas followed by spreading of topsoil over it was proposed in the approved document.	During 2016-17 total area backfilled was 1.27ha and total reclamation and rehabilitated - 1.71ha

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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 is regularly submitted by the lessee.	Annual report on PMCP is regularly submitted by the lessee.	
6b	Area available for rehabilitation (ha) .	As per approved mining plan proposed reclaimed area during 2016-17 was 2.39 ha.	Total area reclaimed - 1.27 and rehabilitated - 0.552 ha during 2016-17.	
6c	afforestation done (ha).	As per approved document proposed area for afforestation was 0.3245ha by planting 620ha.	During 2016-17about 2471 plants planted over an area of 1.27ha with survival rate75%.	
6d	No. of saplings planted during the year	As per approved document proposed area for afforestation was 0.3245ha by planting 620ha.	During 2016-17about 2471 plants planted over an area of 1.27ha with survival rate75%.	

6e	Cumulative no .of plants	Proposed plantation during the plan period 2015-16 to 2019-20 was 3920 trees covering an area 2.13ha.	During 2016-17 total plantatio was 3576 trees covering an area 1.71ha.
6f	Any other method of rehabilitation	No such proposal in the approved document.	Not applicable.
6g	Cost incurred on watch and care during the year	No proposal have been made in the approved document on the cost incurred on watch and care.	Information not available with regard to cost incurred on watch and care during the year.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	As per approved mining plan proposed reclaimed area during 2016-17 was 2.39 ha.	Total area reclaimed - 1.27 and rehabilitated - 0.552 ha during 2016-17.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	As per approved mining plan proposed reclaimed area during 2016-17 was 2.39 ha.	Total area reclaimed - 1.27 and rehabilitated - 0.552 ha during 2016-17.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	Proposed plantation during the plan period 2015-16 to 2019-20 was 3920 trees covering an area 2.13ha.	During 2016-17 total plantatio was 3576 trees covering an area 1.71ha.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal have been made in the approved document.	Not applicable.

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No proposal have been made in the approved document.	Not applicable.	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No proposal have been made in the approved document.	No waste land within lease area.	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No proposal have been made in the approved document.	Not applicable.	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No proposal have been made in the approved document.	Not applicable.	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Proposal for regular monitoring of water, air, soil and noise within the lease area and core zone have been made in the approved document.	As reported, regular monitoring of air, water and noise is being carried out by the lessee and are within permissible limit.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not applicable.	Concurrent backfilling of mined out areas is being practiced in the mine and efforts also made to achieve the proposal made in the approved mining plan with regard to excavation schedule, production target, reclamation / backfilling proposal, afforestation proposal, environmental monitoring proposal etc.	During 2016-17 total plantation was 3576 trees covering an area 1.71ha.

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Mineral Conservation:

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Sl.No.	Item	Proposals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	The entire bauxite ore produced from the mine is meant for captive consumption at Muri / Renukut plant of M/s Hindalco Ind. Ltd. The specification of ore is (+) 10mm to (-) 200 mm.	No grade wise sorting is done within lease area. The ore produced from the mine is crushed by two jaw type crushers to 100-130 mm size and crushed ore taken by a 900 mm wide belt conveyor to the 450 t ropeway loading bunker. The crushed and screened ore is loaded into 35 t buckets of the mono - cable ropeway to Lohardaga railway siding.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical method of sorting and screening of ROM was proposed in the approved document.	No grade wise sorting is done. The ore produced from the mine is crushed by two jaw type crushers to 100-130 mm size and crushed ore taken by a 900 mm wide belt conveyor to the 450 t ropeway loading bunker. The crushed and screened ore is loaded into 35 t buckets of the mono -cable ropeway to Lohardaga railway siding.
7c	Different grade of mineral sorted out at mines.	No proposal of grade wise sorting of mineral in the approved document.	Not applicable.
7d	Any beneficiation process at mines .	No proposal of beneficiation at mines in the approved document.	The ore produced from the mine is crushed by two jaw type crushers to 100-130 mm size and crushed ore taken by a 900 mm wide belt conveyor to the 450 t ropeway loading bunker. The crushed and screened ore is loaded into 35 t buckets of the mono-cable ropeway to Lohardaga railway siding.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Not applicable.	No problem of mineral conservation and beneficiation issues in the mines.

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	The topsoil removed during the mining is to be utilised to spread over the backfilled areas as per the propsal made in the approved document.	The topsoil removed during the mining operation is spread over the backfilled areas as per the propsal made in the approved document.	
8b	Concurrent use or storage of topsoil	The topsoil removed during the mining is to be utilised to spread over the backfilled areas as per the propsal made in the approved document.	The topsoil removed during the mining operation is spread over the backfilled areas as per the propsal made in the approved document.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	There is no proposal for separate dumping of OB, waste, rejects and fines in the approved document.	The OB, waste generated from the mine during the mining operation was concurrently backfilled in the mined out areas.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	The OB and waste generated are to be backfilled simultaneously in the mined out areas for reclamation and rehabilitation as per the propsal made in the approved document.	The OB and waste generated from the mine are backfilled in the mined out areas as per the propsal made in the approved document.	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	During the year 2016-17, 2.39 ha area proposed to be backfilled and reclaimed as proposed in the approved document.	During 2016-17 about 1.27 ha area backfilled and reclaimed.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No existing plantation has been reported in the approved document. There is proposal for 620 nos. of plantation during the year 2016-17.	as on 01.04.2017 total no of plantation carried was 2471 and cumulative plantation was 3576 trees.
8g	Survival rate	No such proposal in the approved document.	About 75% survival rate has been reported by the party.
8h	Water sprinkling on roads to control airborne dust	There was proposal for water sprinkling on roads in the approved document.	Water sprinkling is done in the haul roads from time to time to suppress the air borne dust during transportaton.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not applicible.	Concurrent backfilling of the mined out areas and spreading of topsoil over it for reclamation alongwith plantation are carried out by the lessee in the lease area. The aesthetic beauty in and around the mines area has not been disturbed due to mining operation.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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- 9a Status of submission of Monthly and Annual returns
- The information furnished in the Annual Return for the year 2016-17 covering Part-I of General information about mine and Labour employment, Part-II about Employment & wages, Part-II A 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, despatch & stock and Part-VII cost of production.
- The lessee has submitted the Monthly Returns regularly within the stipulated time in every month. Party has also submitted Annual Return for the year 2016-17 within stipulated time.
- 9b Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager
- Name of Mining Engineer, Geologist and Manager have been furnished in the Annual Return.
- Sri Prakash Ranjan ME and Sri B K Mahapatra Geologist and Sri Ajay Kumar Pandey mines manager.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	As per Annual Return, 2016-17, area already exploited- 1.77ha, Covered under current working- 0.240ha, Reclaimed/Rehabilitated - 1.53ha, waste disposal- 0.120ha..	The land use pattern for the area under pits, reclaimed area, dump etc. furnished in the annual return appears to be in order.
9d	Scrutiny of Annual return on afforestation	Under Part-V, item no. 4.4 of the Annual Return, 2016-17, 2471 sapplings were planted within the ML area during the year has been furnished with 75% survival rate.	Under Part-V, item no. 4.4 of the Annual Return, 2016-17, 2471 sapplings were planted within the ML area during the year has been furnished with 75% survival rate.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral reject generation has been repoted in Part-V, Sec 4 of the Annual Return 2016-17.	During the year no mineral reject generation has been reported from the mine.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	As per annual return 2016-17 OS-00,CS-00,ROM production- 98608 MT	The figures given on ROM stock are appears to be in order.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The Ex-Mine price of bauxite furnished as Rs. 820.54 in the annual return for the year 2016-17.	The Ex-Mine price of bauxite furnished in the annual return is satisfactory. The entire production of bauxite is used for captive purpose.

9h	Scrutiny of Annual return on fixed assets	The value of fixed assets was given as Rs. 231172773/- under Capital Structure.and Depreciation on fixed asset was 1769583/-.	The value of fixed assets was given as Rs. 231172773/- under Capital Structure.and Depreciation on fixed asset was 1769583/-.
9k	Scrutiny of Annual return on mining machineries	List mining machinery furnished under Part-V, Sec 5/6/8/9 of annual return 2016-17 are as follows: Excavator having capacity 0.9cum-01, 1.5cum-01, 1.7cum-1, dumper-25T-03, 32T-01, crusher-60tph-01, 120tph-01, air compressor-02.	The list of mining machinery provided in annual return seems to be correct.

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**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 26(2)	11/12/2016	25/01/2018				
MCDR17	Rule 33	11/12/2016	25/01/2018				
MCDR17	Rule 55(1)(3)	11/12/2016	25/01/2018				

**Date :**

**(B K SINGH)**

Indian Bureau of Mines