# INDIAN BUREAU OF MINES MINERALS DEVELOPMENT AND REGULATION DIVISION

## Review and updation of Mining Plan REPORT

### Ranchi regional office

Mine file No : BIH/LOH/BX/209/RRO Mine code : 07BHR33009

(i) Name of the Inspecting : M008 ) J. MOHANTA

Officer and ID No.

(ii) Designation : Assistant Mining Engineer

(iii) Accompaning mine : Shri M.Nayak, G.M, Shri A.Sahu, Mines Manager & Shri

Official with Designation

(iv) Date of Inspection : 29/10/2018

(v) Prev.inspection date :

PART-I : GENERAL INFORMATION

. (a) Mine Name : PAKHAR (15.58) 38.50

(b) Registration NO. : IBM/961/2011

(c) Category : A Other than Fully Mech.

(d) Type of Working : Opencast

(e) Postal address

State : JHARKHAND
District : LOHARDAGA
Village : PAKHAR
Taluka : KISKO

Post office : NARI-NAWADIH

Pin Code

FAX No. : 06526-224118

E-mail : N.A.

Phone : 06526-224016, 224112

:

(f) Police Station : KISKO

(g) First opening date : 26/04/1965

(h) Weekly day of rest : TUE

2. Address for : VILL-PAKHAR

correspondance TAL-KISKO

DIST-LOHARDAGA

3. (a) Lease Number : BHR0271

(b) Lease area : 109.51

(c) Period of lease : 20

(d) Date of Expiry : 25/07/2028

4. Mineral worked : BAUXITE Main

5. Name and Address of the

Lessee : MINERALS & MINERALS LTD.

AT/PO-LOHARDAGA DIST-LOHARDAGA JHARKHAND LOHARDAGA JHARKHAND Phone:06526-224016 FAX:06526-224118

Owner : I.J.JOSHI

MINERALS & MINERALS LTD. PO & DIST-LOHARDAGA LOHARDAGA

JHARKHAND Phone:
FAX:

Agent : MANOJ KUMAR NAYAK

HINDALCO INDUSRTIS LTD, COURT ROAD, LOHARDAGA JHK

LOHARDAGA JHARKHAND Phone: 9617779670

FAX :

Mining Engineer

Name : P. K. BHALEKAR, Full Time

Qualification : B.E.(MINING)
Appointment/ : 15/04/2013

Termination date

Geologist

Name : SRI RAMESH KUMAR, Full Time

Qualification : M.SC(GEOLOGY)
Appointment/ : 10/01/2014

Termination date

Manager

Name : P. K. BHALEKAR
Qualification : B.TECH (MINING)

Appointment/ : 15/04/2013

Termination date

6. Date of approval of Mining
Plan/Scheme of Mining
Renewal under rule 24 MCR1960
Mining Scheme rule 12 MCDR1988
Renewal under rule 24 MCR1960
Renewal under rule 24 MCR1960
Renewal under rule 24 MCR1960
Mining Scheme rule 12 MCDR1988
12/02/1992
08/02/2002
Renewal under rule 24 MCR1960
Mining Scheme rule 12 MCDR1988
12/08/2013
MP modif under MCR 1960
09/05/2016

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PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	As per the modification in approved mining plan approved vide letter dated 9/5/2016 under rule 22(6) of MCR,1960, there is no proposal of exploration during the plan period from 2015-16 to 2018-19.	No exploration was carried out during the year 2017-18 as there was no proposal in the approved document and no backlog of previous year. The mining operation was discontinued since 9/9/2014 vide letter no 432/M dated 9/9/2014 from DMO, Lohardaga and re-opened on 30/08/2017	
1b	Exploration over lease area for geological axis 1 or 2	As per the modification in approved mining plan approved vide letter dated 9/5/2016 under rule 22(6) of MCR,1960, there is no proposal of exploration during the plan period from 2015-16 to 2018-19.	No exploration was carried out during the year 2017-18 as there was no proposal in the approved document. The area is already explored previously and almost exploited. The area has already been explored by drilling 61 nos. of boreholes at 50m x 50m interval with a total meterage of 1159m. During the year 2015-16 total 3 boreholes were drilled in the southern part of the lease area around the dump area. The mine is no-operative from 9/9/2014 to 29/08/2017.	Y ,
1c	Exploration Agencies and Expenditure in lakh rupees during the year	As per the modification in approved mining plan approved vide letter dated 9/5/2016 under rule 22(6) of MCR,1960, there is no proposal of exploration during the plan period from 2015-16 to 2018-19.	No exploration was carried out during the year 2017-18 as there was no proposal in the approved document. As per the approved document, the previouse exploration was carried out by M/s Saturn Mining and Exploration Pvt. Ltd., Ranchi and expenditure incurred around Rs 20,09,700/	

1d Balance area to
 be explored to
 bring Geological
 axis in 1 or 2

As per the modification in approved mining plan approved vide letter dated 9/5/2016 under rule 22(6) of MCR, 1960, there is no proposal of exploration during the plan period from 2015-16

to 2018-19.

The entire area has already been explored and almost exploited by the lessee and the balance area to be explored is Nil.

1e Balance reserve as on 01/04/20

As per the modification in approved mining plan approved for the plan period from 2015-16 to 2018-19 vide letter dated 9/5/2016 under rule 22(6) of MCR, 1960, the reserve / resource as on 01/04/2015 was given below: Reserve (111): 40266MT and Resource (211): 617551 The mine was not operative from 9/9/2014 to 29/08/2017 & reopened on 30/08/2017. As per approved document dated 20/12/2018, the reserve / resource position as on 01/09/2018 is given below.

Reserve (111): 204145 MT and Resource (221): 735771 MT.

1f General remarks
 of inspecting
 officers on
 geology,
 exploration etc

Not applicable.

MT.

The bauxite deposit of the area is mostly associated with laterite, occurs as irregular and discontinuous lenses within laterite capping. The area has already been explored previously and almost exploited. The mine was not operative from 9/9/2014 to 29/08/2017 & reopened on 30/08/2017.

## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	As per the mining plan approved for the period from 2015-16 to 2018-19 vide letter dated 9/5/2016, the quarry no. 2A was prposed to be developed after rehandling the dump 1 alongwith three benches during the year 2017-18.	The mining operation was discontinued since 9/9/2014 vide letter no. 432/M dated 9/9/2014 from DMO, Lohardaga due to renewal of lease and re-opened on 30/08/2017. Hence the lessee could not develop the mine as per the proposal.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches in topsoil, OB and bauxite were proposed in the mining plan apprved on 9/5/2016. Bench dimension is proposed to be 6m x 6m in in soil and OB and in bauxite 6m x 6m as well as 3m x 3m according to thickness of bauxite.	Separate benches in topsoil, OB and bauxite were developed within stipulated dimensions.	
2c	Stripping ratio or ore to OB ratio	As per the mining plan approved for the period from 2015-16 to 2018-19 vide letter dated 9/5/2016, the overall stripping ratio is proposed to be 1:0.91. The stripping ratio during the year 2017-18 was 1:1.05	The stripping ratio or Ore to OB ratio during the year 2017-18 was 1:1.48.	

2d Quantity of 22360 cum topsoil was As per the topsoil mining plan reported to be generated generation in m3 approved for from the mine during the year 2017-18. the period from 2015-16 to 2018-19 vide letter dated 9/5/2016, the topsoil generation during 2017-18 was proposed to be 10532 cum. 2e Quantity of As per the 42220 cum of OBl was overburden mining plan reported to be generated generation in m3 approved for from the mine during the the period year 2017-18. from 2015-16 to 2018-19 vide letter dated 9/5/2016, the overburden generation during 2017-18 was Nil. 2f General remarks Not The mining operation in of inspecting applicable. the mine was officers on discontinued from development of 9/9/2014 to 29/08/2017 pit w.r.t. type and re-opened on 30/08/2017. Hence the of deposit etc mine could not be developed as per the proposal made in the approved document. The bench dimensions maintained as per the

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks

rule.

The mining operation was Number of pit As per the proposed for mining plan discontinued from production approved for 9/9/2014 to 29/08/2017 the period and reopened on from 2015-16 30/08/2017. Hence the to 2018-19 lessee could not develop vide letter the mine as per the dated proposal. 9/5/2016, the quarry no. 2A was proposed to be developed after rehandling the dump alongwith 3 number of benches during the year 2017-18. 3b Quantity of ROM As per the The production reported mineral mining plan during the year 2017-18 production approved for was 28560 MT. proposed the period from 2015-16 to 2018-19 vide letter dated 9/5/2016, the proposed production during the year 2017-18 was 52580 MT. Recovery of 3с The proposed Around 23% recovery was sailable/usable recovery of reported during the year mineral from ROM saleable / 2017-18. production usable mineral from ROM is 80%. 3d Quantity of No proposal of No mineral reject mineral reject generation was reported mineral reject generation generation during the year. during during the year 2017-Grade of mineral No proposal of Not applicable as there 3e mineral reject was no generation of rejects generation and generation mineral rejects during during during the year. The threshold the year 2017- value of bauxite has threshold value

declared.

18.

been kept at 30% Al203 (min) and <5% SiO2.

No proposal of Not applicable as there Ouantity of sub grade mineral was no subgrade mineral sub grade generation. mineral generation was reported generation during the year. during during the year 2017-Grade of sub No proposal of Not applicable. 3q grade mineral sub grade generation mineral generation during during the year 2016-17. 3h Manual / Manual method The blasted material is Mechanised was proposed sized, sorted and loaded method adopted for manually into the for segregating segregating trucks. from ROM in from ROM the mining plan approved on 9/5/2016. 3i Any analysis or No analysis or No analysis or beneficiation beneficiation beneficiation study study proposed study was carried out for sub and carried out grade mineral and proposed for for sub grade sub grade rejects as no sub grade mineral and mineral and mineral and rejects rejects. rejects in the reported to be generated from the mine. approved document. 3 ј Provision of In hard formation As per the drilling of short hole drilling and mining plan blasting in approved for of 34 mm to 38 mm dia by mineral benches the period jackhammer operated by from 2015-16 compressor up to a depth to 2018-19 of 1.5m was in practice in the mine. The burden there was provision of and spacing maintained drilling and at  $1m \times 1.5m$ . The holes blasting in are charged with ANFO the harder using PETN booster. formations. Short firing is done

with the help of

safety fuse.

ordinary detonator and

Provision of mining machineries in mineral benches

machineries in the mine as inspection. per the mining plan approved for the period from 2015-16 to 2018-19; Poclain excavator (crawler mounted): 4, Terex (tyre mounted):1, Dumper: 6, Compressor (250 cum/m): 1, Rock drill

(32 - 38 mm)dia):

3, Tractor: 1 and Dozer: 1.

The following

- 1, Jackhammer -1 and were proposed Dumper (20T) -3 were to be deployed deployed on the day of

Excavator-1, Compressor

31 Whether height of benches in overburden and mineral suitable the period for method of mining proposed in MP/SOM

As per the mining plan approved for from 2015-16 to 2018-19, the bench height in soil and in overburden will be  $6m \times$ 6m and in bauxite the bench will be formed  $6m \times 6m$ as well as 3m x 3m according to the thickness od bauxite.

The height of benches in OB & mineral maintained within stipulated dimension and suitable for the method of mining proposed in mini8ng plan.

3m Total area covered under excavation/pits

Total area covered under covered under excavation was excavation. 7. 07 ha (5.35 ha reclaimed area & 5.14 ha rehabilitated area) during the plan period 2015-16 to 2018-19.

As on date of inspection proposed to be about 6.25 ha was

Ore to OB ratio for the pit/mine mining plan during the year. approved for

As per the the period from 2015-16 to 2018-19, the proposed ore to OB ratio was 1:0.20 during the year 2017-18.

The stripping ratio or Ore to OB ratio during the year 2017-18 was 1:1.48.

30 Total area put in use under different heads at the end of year

As per the mining plan approved for the period from 2015-16 to 2018-19, as under: For ha. quarries: 7. 07 ha (5.35 ha reclaimed area & 5.14 ha rehabilitated area), Dump: nil, Road: 0.14 ha, Green belt:0.29 ha,. Total area put to use: 7.5 ha.

Total area put to use was as under: For quarries including 1.2 ha reclaimed area -5.78ha, Dump- 1.08 ha, Road- 0.14 ha, Green total area put belt-0.29 ha,. Total to be used was area put to use- 7.29

Production of 3р ROM mineral during the last five year period from 2015-16 as applicable

to 2018-19, proposed production of given below: cum, 2016-17: 28679 cum, 2017-18: 28576 cum, 2018-19: 19509 cum.

As per mining The mining operation was plan approved discontinued from for the period 9/9/2014 to 29/8/2017. The quantity of ROM mineral production during the last five years is given below: ROM mineral is 2013-14: 57065 MT, 2014-15: 31175 MT, 2015-16: 2015-16: 5785 Nil, 2016-17: Nil and 2017-18: 28560 MT.

General remarks 3q of inspecting officers on method of mining etc.

Not applicable. A-OTFM method of mining was adopted in the mine. The height of benches in OB & mineral maintained within stipulated dimension in the mine.

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	There was no proposal for dumping of topsoil, OB and mineral rejects. Simultaneous backfilling and spreading of topsoil was proposed during the plan period from 2015-16 to 2018-19.	One old OB/waste dumps exists in the lease area. No mineral reject dump exists within the lease. Simultaneous backfilling and spreading of topsoil was in progress.	
4b	Location of topsoil, OB and mineral reject dumps	There was no proposal for dumping of topsoil, OB and mineral rejects.	One old OB/waste dumps exists in the southern portion of the lease area. No mineral reject dump exists within the lease.	
4c	Number of dumps within lease area and outside of lease area	There was no proposal of waste dumping within or outside the lease area during the plan period from 2015-16 to 2018-19.	One old OB/waste dumps exists in the southern portion of the lease area. No dump exists outside the lease area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	There was no proposal of waste dumping within or outside the lease area during the plan period from 2015-16 to 2018-19.	The existing OB/waste dump is within ultimate pit limit.	
4e	Number of active and alive dumps.		No active dump present in the lease area.	
4f	Number of dead dumps.	There wsa no proposal of dead dump in the the approved document.	Only one old OB/waste dumps exists in the southern portion of the lease area.	

Remarks

	established.	proposal of establishment of dump as per the approved document.	proposed to be rehandled completely within the plan period for backfilling the exhausted quarry.
4h	Whether Retaining wall or garland drain all along dumps are there.	There was no proposal of construction of retaining wall or garland drain as per the approved document.	No such retaining wall or garland drain was constructed along the dump.
4i	Length of Retaining wall or garland drain all along dumps	There was no proposal of construction of retaining wall or garland drain as per the approved document.	Not applicable.
<b>4</b> j	Number of settling ponds	There was no proposal of construction of settling pond as per the approved document.	No such settling pond created within the lease area.
4k	Specific comments of inspecting officer on waste dump management	Not applicable.	There was no proposal for dumping of topsoil, OB and mineral rejects. One old OB/waste dumps exists in the lease area. The existing dump is proposed to be rehandled completely within the plan period for backfilling the exhausted quarry. Simultaneous backfilling and spreading of topsoil is to be done in the mine.

Propasals Actual work

Solid Waste Management - Backfilling:

Sl.No.

Item

5a

5b

Status of part or full extraction of mineral from mined out area before starting backfilling.

As per the mining plan approved for the period from 2015-16 to 2018-19 vide letter dated

9/5/2016, there was proposal for full extraction of

mineral before starting backfilling. The OB/waste to be generated during mining would be concurrently

used for backfilling sreading topsoil over

it.

Area under backfilling of mined out area As per the mining plan approved for the period from 2015-16 to 2018-19 vide letter dated 9/5/2016, there was

backfilling of about 5.35ha mined out area during the plan period.

proposal for

Simultaneous backfilling and spreading of topsoil over it was in practice. As on date of inspection about 0.56 ha area was backfilled.

As on date of inspection about 0.56 ha area was backfilled.

5c Concurrent use As per the As on date of inspection of topsoil for mining plan about 0.56 ha area was restoration or approved for backfilled. rehabilitation the period of mineral out from 2015-16 area (Rule 32) to 2018-19 vide letter dated 9/5/2016, there was proposal for use of 34297 cum of topsoil for spreading over backfilled area during the plan period. 5d Total area As per the As on date of inspection about 0.56 ha area was fully reclaimed mining plan backfilled. and approved for rehabilitated the period from 2015-16 to 2018-19 vide letter dated 9/5/2016, there was proposal for backfilling / reclamation of about 5.35ha area out of 7.07ha excavated area. There was proposal for rehabilitation of 5.14 ha area over backfilled area. 5e General remarks Not The lessee could not of inspecting applicable. achieve the backfilling officers on and reclamation proposal backfilling and as the mining operation reclamation etc. in the mine was discontinued from 9/9/2014 to 29/08/2017. As on date of inspection

about 0.56 ha area was

backfilled.

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 in the approved document.	The annual report on PMCP under rule 23E(2) of MCDR,1988 has been submitted.	
6b	Area available for rehabilitation (ha) .	There was proposal for rehabilitaion of 5.14 ha area during the plan period as per the mining plan approved for the period from 2015-16 to 2018-19.	As on date about 0.56 ha area has been backfilled/reclaimed and about 0.29ha area was rehabilitated through plantation over backfilled area. The lessee could not achieve the target due to discontinuance of mining operation from 9/9/2014 to 29/08/2017.	
6c	afforestation done (ha).		The lessee could not achieve the target due to discontinuance of mining operation from 9/9/2014 to 29/08/2017 and non availability of reclaimed area for plantation.	
6d	No. of saplings planted during the year		Nil. The lessee could not achieve the target due to discontinuance of mining operation from 9/9/2014 to 29/08/2017 and non availability of reclaimed area for plantation.	
бе	Cumulative no .of plants	There was no proposal for cumulative plantation.	On cumulative basis about 916 nos. of plantation were done by the lessee covering an area of about 0.29 ha.	
6f	Any other method of rehabilitation	No proposal availablein the approved document.	Only plantation has been reported over the backfilled area for rehabilitation.	
6g	Cost incurred on watch and care during the year	No proposal available in the approved document.	No information available.	

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No proposal available.	As on date of inspection about 0.56ha area has been backfilled/reclaimed.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	As per the mining plan approved for the period from 2015-16 to 2018-19 vide letter dated 9/5/2016, there was proposal for backfilling of about 5.35ha of mined out area.	As on date of inspection about 0.56 ha area was backfilled/reclaimed and about 0.29ha area was rehabilitated through plantation over backfilled area. The lessee could not achieve the target due to non operational status of the mine from 9/9/2014 to 29/08/2017.
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	nos. of plants were to be planted covering an area of 1.4ha backfilled area during	As on date of inspection about 0.56 ha area was backfilled/reclaimed and about 0.29ha area was rehabilitated through plantation over backfilled area. The lessee could not achieve the target due to non operational status of the mine from 9/9/2014 to 29/08/2017.
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	There was no such proposal in the approved document.	No water reservoir constructed within lease area.
61	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	There was no such proposal in the approved document.	Not applicable.
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	There is no 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 in the approved document.	Not applicable.
60	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	There was no such proposal in the approved document.	Not applicable.
6p	Compliance of environmental monitoring (core zone and buffer zone)	There was proposal for environmental monitoring in the approved document.	Environmental monitoring in the mine was carried out regularly by the lessee.
бq	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Not applicable.	Efforts were made by the lessee to adhere with the proposals made in the approved document in context to excavation schedule, production target, environmental monitoring proposals etc. The lessee could not achieve the target due to non operational status of the mine from 9/9/2014 to 29/08/2017.

## Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal of mineral dispatch. There was proposal for grade wise sorting within lease area.	Dispatch during the year 2017-18 was 30953.64 MT. The ROM produced from the mine is supplied to company's captive plant at Renukut.	
7b	Method of grade- wise mineral sorting i.e. manual or mechanical.	manual sorting	Manual sorting and sizing is done in the mine .	
7c	Different grade of mineral sorted out at mines.	and sizing was proposed in	Only manual sorting and sizing is done in the mine. Avg. grade of ore dispatched to the plant is Al203 41.65%.	

7d Any No proposal in No beneficiation except beneficiation the approved manual sorting & sizing process at mines document. is carried out at the mine site. 7e General remarks No beneficiation was Not of inspecting applicable. carried out at the mine officer on site except manual Mineral sorting & sizing. ROM conservation and grade obtained is beneficiation upgraded by blending issues some better quality bauxite before dispatch. Avg. grade of ore dispatched to the plant is Al203 41.65%.

#### Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	mining plan	22360cum of topsoil was removed during the year and simultaneously utilised by spreading over the backfilled areas.	

8b Concurrent use or storage of topsoil

As per the approved document, separate removal of topsoil and simultaneouly spreading over the backfilled area was proposed. The topsoil generation during 2017-18 was proposed to be 10532 cum.

22360cum of topsoil was removed during the year and simultaneously utilised by spreading over the backfilled areas

8c Separate dumps for overburden, waste rock, rejects and fines (Rule 33) There wsa no proposal for separate mineral rejects. Simultaneous backfilling and spreading of topsoil over it was proposed during the plan period from 2015-16 to 2018-19. There was proposal for re-handling of waste dump & waste material to be

One old OB/waste dumps exists in the lease area. No mineral reject dumping of OB, dump exists within the waste rock and lease. As proposed simultaneous backfilling and spreading of topsoil was done in the mine.

8d Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use

There was proposal for simultaneous OB/waste for excavated area.

backfilled in the exhausted quarry no. 1.

As proposed simultaneous backfilling and spreading of topsoil backfilling of over it was done in the mine. As on date of restoration of inspection about 1.20 ha area was reportedly backfilled.

Remarks

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	As per the mining plan approved for the period from 2015-16 to 2018-19 vide letter dated 9/5/2016, there was proposal for backfilling of about 5.35ha mined out area during the plan period.	As on date of inspection about 1.20 ha area was reportedly backfilled. Simultaneous backfilling and spreading of topsoil was done in the mine.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	As per proposal, 3500 nos. of plants were to be planted covering an area of 1.40ha backfilled area during the year 2017-18.	discontinued since 9/9/2014 to 29/08/2017. No plantation has been done during the year	
8g	Survival rate	No proposal in the approved document.	Not applicable as no plantation has been done during the year.	
8h	Water sprinkling on roads to control airborne dust	water	Regular water sprinkling on roads is done.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Not applicable.	As on date of inspection about1.20 ha area was backfilled and about 0.29ha has been covered under afforestation. Simultaneous backfilling and spreading of topsoil was done in the mine. The aesthetic beauty in and around the mine has not been disturbed due to mining activity.	

Propasals Actual work

Sl.No. Item

9a Status of submission of Monthly and Annual returns

The information furnished in for the year 2017-18 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 regularly Annual Return within stipulated time for the year 2017-18.

9b Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager

'A-OTFM' time Mining Engineer and Geologist were required to be appointed as per rule.

The mine is of The name of Mining Engineer and Geologist category. Full submitted in the Annual return for the year 2017-18.

9c Scrutiny of As per Mining Annual return on Plan approved land use pattern on 9/5/2016 for area under avalid for the pits, reclaimed plan period area, dumps etc. 2015-16 to

As per Mining The Plan approved use on 9/5/2016 in avalid for the plan period Que 2015-16 to une 2018-19, the state area aproposed to be disput to use during the plan period was as under :- Quarry -7.07

ha (5.35 ha reclaimed area & 5.14 ha rehabilitated area); Road-0.14 Ha; Waste dump - Nil; Pantation-0.29 ha; Total area put to be under use-7.5 ha out of total lease area 15.577

The total area put to use as on date of inspection was as under:Quarry -5.9 ha, Covered under current working-

plan period Quarry -5.9 ha, Covered 2015-16 to under current working-2018-19, the 3.66, 2.44 ha -reclaimed total area & rehbilitated, Waste proposed to be disposal-0.50ha;

9d Scrutiny of In Part-V, Annual return on item no. 4.4 afforestation of the Annua

In Part-V, item no. 4.4 of the Annual Return for the year 2017-18, the plantation done within M.L area was given as Nil.

ha.

No plantation done during the year 2017-18.

Scrutiny of In Part-V Annual return on 4 of the mineral reject Annual Re generation 2017-18, (Grade and informati quantity) mineral r

9e

In Part-V, Sec 4 of the Annual Return 2017-18, the information on mineral reject generation was Nil.

In Part-V, Sec No mineral reject 4 of the generation from the mine Annual Return was reported during the 2017-18, the year.

9f	Scrutiny of Annual return on ROM stock and/or graded ore		The figure given for opening stock and closing stock were in conformable with the figure furnished through Monthly Returns.
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 in the Annual Return for the year 2017-18.	Cost of production & Ex- Mine price shown as 997.40. Sale value shown as 308,73,226/- during the year.
9h	Scrutiny of Annual return on fixed assets	shown in Part-	The value of Fixed Assets of the lessee for the year 2017-18 was shown as Rs 75659545/ in Part-IIA of the Annual Return, under Capital structure.
9k	Scrutiny of Annual return on mining machineries		

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Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed Show couse position

Violation observed			Show couse position	
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on Compliance on

Date: (J. MOHANTA)

Indian Bureau of Mines