

MCDR INSPECTION REPORT**1.0 GENERAL**

SN	Particulars	Details
1	Name of inspecting office & designation	S. Kartikeya, Jr. Mining Geologist, Indian Bureau of Mines, Raipur
2	Accompany with Mine Officials	Shri R.R.P. Ambastha, Agent (Mines) Shri Amit Kumar Tiwari, Manager (Mines)
3	Date of inspection	19/11/2019
4	Name of the Mine	Samri Bauxite Mine
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest: 798.827 Ha. Non-Forest: 1347.919 Ha. Total Lease Area: 2146.746 Ha.
6	Mine Code	07MPR42005
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/935/2011
8	Name of the lessee, Address, phone, email and fax number	M/s Hindalco Industries Limited Ahura Center, 1st Floor, B-Wing, Mahakali Caves Road, Andheri (East) Mumbai (Maharashtra), Pin Code: 400 093 Phone No +91 (0) 22 6662 6666 +91 (0) 22 6691 7000 Fax No. +91 (0) 22 6691 7001 Email: hindalco@adityabirla.com
9	Village	Samri
10	Taluka / Mandal / District	Kusmi, Distt. – Balrampur-Ramanujanj
11	State	Chhattisgarh
12	Post office & PIN	Samri, Pin Code: 497224
13	Nearest police station	Samri
14	Nearest Railway station	Ambikapur
15	Date of Grant of Mining Lease	24/06/1998 to 23/06/2018 (20 years)
16	Date of Execution	24/06/1998
17	Date of opening of Mine	25/05/1999
18	Date of first Renewal, if applicable and its period & expiry	As per section 8A of MMDR Amendment Act, 2015, period of the mining lease has been extended upto 50 years. i.e. 24/06/2018 to 23/06/2048 (30 years) Supplementary lease agreement for the extended period has been made on 06/12/2016
19	Date of second Renewal, if applicable and its period & expiry	Not applicable
20	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not applicable
21	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri K. N. Bhandari Hindalco Industries Limited Ahura Center, 1st Floor, B-Wing, Mahakali Caves Road, Andheri (East) Mumbai (Maharashtra), Pin Code: 400 093 Phone No +91 (0) 22 6662 6666

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		+91 (0) 22 6691 7000 Fax No. +91 (0) 22 6691 7001 Email: knbhandari1942@gmail.com Date of Appointment: 10/11/2011
22	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri R. R. P. Ambastha Deputy General Manager Hindalco Industries Limited, Hindalco Colony, At & Post Kusmi, Tensil: Kusmi, District: Balrampur-Ramanujganj, Chhattisgarh, Pin Code: 497224 Phone: +91 (0) 7778 – 274326 – 27 Fax: +91 (0) 7778 – 274325 Mob: +91 (0) 9617779285 Email: rajesh.ambastha@adityabila.com Date of Appointment: 10/08/2018
23	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Amit Kumar Tiwari, Hindalco Industries Limited, Hindalco Colony, At & Post Kusmi, Tensil: Kusmi, District: Balrampur-Ramanujganj, Chhattisgarh, Pin Code: 497224 Phone: +91 (0) 7778 – 274326 – 27 Fax: +91 (0) 7778 – 274325 Mob: +91 (0) 917771007150 Email: amit.t@adityabila.com Date of Appointment: 24/11/2015
24	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Kamlesh Kumar Singh, Qualification: B.E. (Mining) Experience: +15 years Hindalco Industries Limited, Hindalco Colony, At & Post Kusmi, Tensil: Kusmi, District: Balrampur-Ramanujganj, Chhattisgarh, Pin Code: 497224 Phone: +91 (0) 7778 – 274326 – 27 Fax: +91 (0) 7778 – 274325 Mob: +91 (0) 9177114803 Email: kamlesh.k.singh@adityabila.com Date of Appointment: 29/07/2010
25	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Yes appointed, Shri Tapas Kumar Gachhayat, Qualification: M. Sc. (Geology) Experience: +12 years Hindalco Industries Limited, Hindalco Colony, At & Post Kusmi, Tensil: Kusmi, District: Balrampur-Ramanujganj, Chhattisgarh, Pin Code: 497224 Phone: +91 (0) 7778 – 274326 – 27 Fax: +91 (0) 7778 – 274325 Mob: +91 (0) 9131107103 Email: tapas.gachhayat@adityabirla.com Date of Appointment: 01/10/2019
26	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Mining Plan approved vide letter no. SRG/BX/MPLN-385/NGP Nagpur Dated 30/11/1994 Period: 1999-2000 to 2003-04 Modified Mining Plan approved vide letter no. BLM/BXT/MPLN-1135/2017-RPR Raipur dated 10/01/2019

		Proposal Period: 2017-18 to 2018-19
27	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	<p>1st Scheme of Mining approved vide letter no. SRG/BX/MPLN-385/NGP Nagpur Dated 20/10/2004 Period: 2004-05 to 2008-09</p> <p>Modified Scheme of Mining approved vide letter no. SRG/BXT/MPLN-385/NGP Nagpur dated 29/06/2007 Period: 2007-08 to 2008-09</p> <p>2nd Scheme of Mining approved vide letter no. 314(3)/2009-MCCM(CZ)/MS-20 Nagpur Dated 31/08/2009 Period: 2009-10 to 2013-14</p> <p>3rd Scheme of Mining approved vide letter no. SRG/BX/MPLN-385/NGP Nagpur Dated 18/08/2015 Period: 2014-15 to 2018-19</p> <p>Review of Mining Plan approved vide letter no. BLR/BXT/MPLN/1170/2018/RPR Raipur dated 27/11/2018 Proposal Period: 2019-20 to 2023-24</p>
28	Mineral(s) granted in lease and proved for mining	Bauxite
29	Method of Mining(Open cast, Underground)	Open cast
30	Category (Fully Mechanised, Others or Manual)	Category 'A Fully Mechanised'
31	Captive/Non Captive	Captive
32	Existing EC Limit and validity	Mining of Bauxite 0.50 Million Tonnes Per Annum obtained from the Ministry of Environment and Forests, Government of India vide letter no. J-11015/353/2007-IA.II (M) New Delhi dated 27/07/2007
33	Status of Financial Assurance as per rule 27 of MCDR, 2017	Rs. 7,51,80,300/- vide BG No. 0544BGR0012418 dated 08/11/2018 Validity: 01/04/2019 to 31/03/2024

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

1.0 Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	<p>2018-19: 1000 nos. or core boreholes with cumulative depth of 15000 meters.</p> <p>2019-20: 1075 nos. of core boreholes with cumulative depth of 12900 meters.</p>	<p>2018-19: 777 nos. of core boreholes with cumulative depth of 10735 meters.</p> <p>2019-20: 539 nos. of core boreholes with cumulative of 4714 meters so far.</p>	Deviation in the shortfall in exploration programme during F.Y. 2018-19 has been pointed out.
1b	Exploration over lease area for Geological axis 1 or 2.	Details have not been given in the approved document.	Under G1 Category: 645.64 Ha Under G2	-

			category: 353.51 Ha Under G3 category: 285.35 Ha Under G4 Category: 824.296 Ha Non- Mineralised: 39.95 Ha Upto end of F.Y. 2018-19	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not mentioned in the approved document.	M/s Southwest Pinnacle Exploration Limited, Gurgaon (Haryana) Expenditure: Rs. 22,76,601/-	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Details have not been given in the approved document.	Under G1 Category: 645.64 Ha Under G2 category: 353.51 Ha Under G3 category: 285.35 Ha Under G4 Category: 824.296 Ha Non- Mineralised: 39.95 Ha Upto end of F.Y. 2018-19	-
1e	Balance reserves as on 01.04.2019 (in Million Tonnes)	Under (111): 3.680 Million Tonnes Under (122): 15.770 Million Tonnes Under (211): 1.727 Million Tonnes Under (222): 0.280 Million Tonnes Under (333): 1.396 Million Tonnes	Under (111): 3.680 Million Tonnes Under (122): 15.770 Million Tonnes Under (211): 1.727 Million Tonnes Under (222): 0.280 Million Tonnes Under (333): 1.396 Million Tonnes	-
1f	General remarks of inspecting officer on geology,	Fresh estimation has been done on 31/08/2018. Hence, actual production achieved from 01/09/2019		

exploration etc.	to 31/03/2019 has been deducted for calculation of balance reserve and resource as on 01/04/2019.
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2.0 Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area (Range in UTM/Local Coordinate/Plot No./Location)	In-between UTM Co-ordinates 2018-19: (1) RP-2: N2592938 to N2593279 and E801954 to E802152 (2) RP-3: N2593588 to N2593736 and E801955 to E802152 (3) AT2: N2591284 to N2591570 and E800593 to E800761 (4) DK2: N2595942 to N2596193 and E799008 to E799239 (5) DK3: N2596214 to N2596364 and E798772 to E798873 (6) DP3: N2596873 to N2595908 and E798094 to E798072 (7) DP4: N259536 to N2596200 and E799013 to E798072	In addition to the proposed area, mineral has been mined out in between UTM co-ordinates without any approved proposal 2018-19: (1) N2596290 to N2596365 and E798075 to E798140 (2) N2596040 to N2596210 and E799225 to E799350 (3) N2596150 to N2596200 and E799375 to E799450 (4) N2595940 to N2596175 and E799450 to E799610 (5) N2591565 to N2591880 and E801875 to E802100	Deviation has been pointed out.
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Separate benching of topsoil, overburden and mineral has been proposed in the approved document. Topsoil/OB: 01 no. (4.0m to 4.5m) Mineral: 01 no.	Separate benches of topsoil, overburden and mineral have been maintained. Topsoil/OB: 01 no. (4.0m to 4.5m) Mineral: 01 no. (3.0m to 3.5m)	-

		(3.0m to 3.5m)		
2c	Stripping ratio or ore to OB ratio	1:3.89	1: 1.22	-
2d	Quantity of topsoil generation in m3	97274 CuM	198219 CuM	-
2e	Quantity of overburden generation in m3	200493 CuM	313023.441 CuM	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	Deviation in the proposed area for development and mineral exploitation has been pointed out.		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	07 nos.	12 nos.	Deviation has been pointed out.
3b	Quantity of ROM mineral production proposed	ROM: 960696.00 Metric Tonnes Mineral: 499561.00 Metric Tonnes	ROM: 418555.00 Metric Tonnes Mineral: 418555.00 Metric Tonnes	Deviation has been pointed out.
3c	Recovery of salable/usable mineral from ROM production	52%	Approx 30%	During F.Y. 2018-19, 832522.00 Metric Tonnes of waste/OB has been generated.
3d	Quantity of mineral reject generation	No mineral reject will be generated during F.Y. 2018-19.	Not applicable	-
3e	Grade of mineral reject generation and threshold value declared	Not mentioned in the approved document, as no mineral reject will be generated during F.Y. 2018-19.	Not applicable.	-
3f	Quantity of sub-grade mineral generation	No mineral sub-grade will be generated during F.Y. 2018-19.	Not applicable	-
3g	Grade of sub-grade mineral generation	Not mentioned in the approved document, as no mineral sub-grade will be generated during F.Y. 2018-19.	Not applicable.	-

3h	Manual / Mechanised method adopted for segregating from ROM	Manual sorting of ore/mineral from the produced ROM has been proposed in the approved document.	Being done as per proposal.	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No beneficiation study has been proposed in the approved document during F.Y. 2018-19.	Not applicable.	-
3j	Provision of drilling & blasting in mineral benches	Dia: 100 mm Spacing: 3.0 m Burden: 2.5 m Depth: 3.0 m to 4.0 m	Dia: 100 mm Spacing: 3.0 m Burden: 2.5 m Depth: 3.0 m to 4.0 m	-
3k	Provision of mining machineries in mineral benches	<ol style="list-style-type: none"> 1) Tata Hitachi Excavator 02 nos. with 1.6 CuM bucket size and 340 HP capacity 2) L&T Excavator 06 nos. with 0.9 CuM bucket size and 115 HP capacity 3) Tata Loader 01 no. with 1.7 CuM bucket and 210 HP capacity 4) Atlas Copco Compressor 02 nos. with 12.742 cfm and 450 HP capacity 5) Ingersol Rand Compressor 01 no. with 11.100 cfm and 450 HP capacity 6) Volvo Dumpers 15 nos. with 25.0 Metric Tonnes capacity 7) Mercedes 	<ol style="list-style-type: none"> 1) Tata Hitachi Excavator 02 nos. with 1.6 CuM bucket size and 340 HP capacity 2) L&T Excavator 06 nos. with 0.9 CuM bucket size and 115 HP capacity 3) Tata Loader 01 no. with 1.7 CuM bucket and 210 HP capacity 4) Atlas Copco Compressor 02 nos. with 12.742 cfm and 450 HP capacity 5) Ingersol Rand Compressor 01 no. with 11.100 cfm and 450 HP capacity 6) Volvo Dumpers 15 nos. with 25.0 Metric Tonnes capacity 7) Mercedes Benz Dumpers 05 nos. with 35.0 Metric Tonnes capacity 8) Tata Water 	-

		Benz Dumpers 05 nos. with 35.0 Metric Tonnes capacity 8) Tata Water Tanker 01 no with 12000 liters capacity.	Tanker 01 no with 12000 liters capacity.	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Topsoil/OB: 4.0 m to 4.5 m Mineral: 3.0 m to 3.5 m	Topsoil/OB: 4.0 m to 4.5 m Mineral: 3.0 m to 3.5 m	-
3m	Total area covered under excavation/pits	68.51 Ha. up to end of F.Y. 2018-19	45.432 Ha. up to end of F.Y. 2018-19	-
3n	Ore to OB ratio for the pit/mine during the year	1:3.89	1: 1.22	-
3o	Total area put in use under different heads at the end of year	Pit- 68.51 Ha. Waste/reject- 1.66 Ha. Others- 4.102 Ha. up to end of plan period.	Pit- 45.432 Ha. Waste/reject- 0.75 Ha. Others- 386.021 Ha..	Deviation has been pointed out for excess utilization of the area.
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	Yr- 2014-15: 268921.00 Metric Tonnes Yr- 2015-16: 498191.00 Metric Tonnes Yr- 2016-17: 498583.00 Metric Tonnes Yr- 2017-18: 498582.00 Metric Tonnes Yr- 2018-19: 499561.00 Metric Tonnes	Yr- 2014-15: 268921.000 Metric Tonnes Yr- 2015-16: 411399.00 Metric Tonnes Yr- 2016-17: 380380.00 Metric Tonnes Yr- 2017-18: 426690.000 Metric Tonnes Yr- 2018-19: 418555.000 Metric Tonnes	The mentioned quantities are mineral Bauxite. Deviation has been pointed out for non reporting of ROM quantity in the monthly as well as in the annual returns.
3q	General remarks of inspecting officer on method of mining etc.	NIL		

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	Concurrent backfilling in the mined out area has been proposed in the approved document in the mined out area.	Being done as per proposal.	-
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	-do-	-do-	-
4c	Number of dumps within lease area and outside lease area	Dumping of waste/OB has not been proposed in the approved document during F.Y. 2018-19	No waste dumping has been done outside working quarry. Later on, same been utilised for concurrent backfilling.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	-do-	-do-	-
4e	Number of active & alive dumps	-do-	-do-	-
4f	Number of dead dumps	01 no.	01 no.	-
4g	Number of dumps stabilised	Proposal has not been given in the approved document.	No dumps have been stabilised during F.Y. 2018-19, as the entire generated waste/OB has been utilised for concurrent backfilling.	-
4h	Whether Retaining wall or garland drain all along dumps are there	Proposal has not been given in the approved document for construction of garland drain and retaining wall.	Not constructed.	-
4i	Length of Retaining wall or garland drain all along dump	Length of Retaining wall and garland drain has not been mentioned in the approved document.	Not applicable.	-
4j	Number of settling ponds	Proposal has not been given in the approved document for construction of settling ponds.	Not constructed.	-

4k	Specific comments of inspecting officer	NIL
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5.0 Solid Waste Management-Backfilling

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Proposal has been given in the approved document for full extraction of mineral before backfilling.	Being done as per proposal.	
5b	Area under backfilling of mined out area	19.455 Ha.	11.464 Ha.	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Proposal has been given in the approved document for concurrent use of topsoil for ground restoration.	Being done as per proposal.	-
5d	Total area fully reclaimed & rehabilitated	13.92 Ha.	7.715 Ha.	-
5e	General remarks of inspecting officer on backfilling, reclamation etc	NIL		

6.0 Progressive Mine Closure Plan

SN	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23. Details should be given in the format as given in Annexure-20.	Submitted before due date	Cross verified during inspection.	-
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	Concurrent backfilling has been proposed in the mined out area.	Not applicable.	-
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by	19.455 Ha. 21.07 Ha.	11.464 Ha. 7.715 Ha.	-

	waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	7.16 Ha. (17900 nos. of sapling) Not Proposed. By plantation.	7.90 Ha. Not applicable By plantation.	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Concurrent backfilling has been proposed in the mined out area.	Not applicable.	-
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Regular monitoring of Ambient Air, Water and Noise Vibration has been proposed in the approved document.	Being done as per proposal.	All the parameters are within the prescribed limit.
6f	General remarks of inspecting officer on PMCP compliance & progressive	NIL		

7.0 Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade wise sorting has been proposed in the approved document before its dispatch from the mine.	Manual sizing and grade wise sorting is being done in the mine before its dispatch.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Manual sizing and sorting has been proposed in the approved document.	Being done as per proposal.	-
7c	Different grade of mineral sorted out at mines	Grade wise sorting has been proposed in the approved document. 40% to below 45% Al ₂ O ₃	Being done as per proposal.	-
7d	Any beneficiation process at mines	No beneficiation process has been proposed in the mine during plan period.	Not applicable.	-
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	NIL		

8.0 Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	Proposal has been given in the approved document for separate removal and concurrent use of generated topsoil.	Being done as per proposal.	-
8b	Concurrent use or storage of topsoil	-do-	-do-	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Proposal has been given in the approved document for concurrent backfilling through waste rock and generated topsoil for reclamation purpose.	Being done as per proposal.	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	-do-	-do-	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposal has been given in the approved document for reclamation and rehabilitation of the mined out land.	Being done as per proposal.	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	During F.Y. 2018-19, 17900 nos. of saplings will be planted over the backfilled area.	During F.Y. 2018-19, 19730 nos. of tress/saplings have been planted over the backfilled area as well as at the places where the tress/plants are not survived in between existing plantation.	-
8g	Survival rate	Not mentioned in the approved document.	Apprx 70%	-
8h	Water sprinkling on roads to control airborne dust	Proposal has been given in the approved document for water sprinkling through water tanker on the haul roads.	Being done as per the proposal.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines are	NIL		

9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted upto – November 2018 A.R. submitted upto- F.Y. 2018-19	NIL

S. N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Shri Kamlesh Kumar Singh Geologist: Shri D. P. Singh Manager: Shri Amit Kumar Tiwari	Mining Engineer: Shri Kamlesh Kumar Singh Geologist: Shri D. P. Singh Manager: Shri Amit Kumar Tiwari	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 68.51 Ha. Waste/reject- 1.66 Ha. Others- 4.102 Ha. up to end of plan period.	Pit- 45.432 Ha. Waste/reject- 0.75 Ha. Others- 386.021 Ha.	Deviation has been pointed out for excess utilization of the area.
9d	Scrutiny of Annual return on Afforestation	Within Lease Area: 19730 nos.	Within Lease Area: 19730 nos.	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Mineral Reject: NIL Grade: Al ₂ O ₃ : 26.86% SiO ₂ : 14.73% Fe ₂ O ₃ : 37.70% LOI: 13.97%	Mineral Reject: NIL Grade: Al ₂ O ₃ : 26.86% SiO ₂ : 14.73% Fe ₂ O ₃ : 37.70% LOI: 13.97%	The mentioned grade of ore may be defined as Aluminous Laterite
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing Stock: ROM: NIL Graded Ore: 40% to below 45% Al ₂ O ₃ : 18908.970 Metric Tonne	Closing Stock: ROM: NIL Graded Ore: 40% to below 45% Al ₂ O ₃ : 18908.970 Metric Tonne	Obtained from the monthly returns for the month of November 2019.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale Value: NIL Ex-Mine Price: Rs. 977.43 Per Metric Tonne. Cost of Production: Rs. 977.43 Per Metric Tonne.	Sale Value: NIL Ex-Mine Price: Rs. 977.43 Per Metric Tonne. Cost of Production: Rs. 977.43 Per Metric Tonne.	NIL
9i	Scrutiny of Annual return on fixed assets	Rs. 72868557/-	Rs. 72868557/-	NIL
9k	Scrutiny of Annual return on mining machineries	Given in the annual returns.	Cross verified from the approved proposal and field log books.	NIL

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:-

No serious violations have been pointed out during last inspection.

No outstanding violations have been found.

Date of Last Inspection, Name and Designation of the Inspecting Officer:

Shri Rajesh Kumar Das, Sr. Asstt. Controller of Mines, Date of inspection: 14/10/2018

Details of the Violations Pointed-out during Inspections:

नियम	उल्लंघन के प्रकार का विस्तृत ब्यौरा
Rule 11(1)	<p>The following deviations have been found in the mine from the approved Modified Mining Plan vide letter no. BLM/BXT/MPLN-1135/2017-RPR Raipur dated 10/01/2019 for the period of F.Y. 2017-18 to 2018-19:</p> <p><u>F.Y. 2018-19:</u></p> <p><u>Exploration:</u> It was proposed to drill 1000 nos. of Core Boreholes up to a cumulative depth of 15000 meters; whereas, 777 nos. of core boreholes have been drilled up to a cumulative depth of 10735 meters.</p> <p><u>Development:</u> In the approved Modified Mining Plan, there was a proposal given for the production and development during the year 2018-19 in-between UTM coordinates</p> <p>(1) RP-2: N2592938 to N2593279 and E801954 to E802152 (2) RP-3: N2593588 to N2593736 and E801955 to E802152 (3) AT2: N2591284 to N2591570 and E800593 to E800761 (4) DK2: N2595942 to N2596193 and E799008 to E799239 (5) DK3: N2596214 to N2596364 and E798772 to E798873 (6) DP3: N2596873 to N2595908 and E798094 to E798072 (7) DP4: N259536 to N2596200 and E799013 to E798072</p> <p>Whereas, in addition to the proposed area, the excavation and mineral production has been found in between UTM co-ordinates without any approved proposal:</p> <p>(1) N2596290 to N2596365 and E798075 to E798140 (2) N2596040 to N2596210 and E799225 to E799350 (3) N2596150 to N2596200 and E799375 to E799450 (4) N2595940 to N2596175 and E799450 to E799610 (5) N2591565 to N2591880 and E801875 to E802100</p>
Rule 14 (1) & (2)	<p>Laterite with 26.86% Al₂O₃ reported as Mineral Reject under Part V of Annual returns for F.Y. 2018-19, should be stacked separately as it has been notified as Bauxite under Category of Aluminous Laterite vide Gazette Notification for Threshold value of Mineral through Notification No. C-284/3/CMG/2017, Nagpur dated 25/04/2018 of Ministry of Mines (Indian Bureau of Mines).</p>
Rule 45(7)	<p><u>Annual Return F.Y. 2018-19:</u></p> <p>Part-I: 12. Lease area (surface area) utilisation as at the end of year: As per approved Modified Mining Plan, 74.272 Ha. lease area has been considered for calculation of Financial Assurance up to the end of the Plan Period whereas, 432.203 Ha area has been utilized till the end of F.Y. 2019-20 Financial Assurance in the form of Bank Guarantee for the excess used 357.931 Ha. lease area has to be submitted under rule 27(1) of MCDR, 2017 to the authorized officer.</p> <p>Part-II A; Capital Structure: Value of Fixed Assets has been given similar to another mining leases i.e. 07CHG16003 (1218.762 Ha.) and 07MPR42004 (377.116 Ha.).</p> <p>Part – III; Consumption of Materials; 2. Royalty and Rents (in ₹): 4. Value of depreciation on fixed assets (in ₹) has been given similar to another mining leases i.e. 07CHG16003 (1218.762 Ha.) and 07MPR42004 (377.116 Ha.).</p>

<p>Part VI; (Production, Dispatches And Stock): Details of the Sales/Dispatches effected for Domestic Consumption is incomplete, hence, IBM Registration, Name of the Consignee and Dispatched Quantity (in tonne) may be mentioned.</p> <p>Part – VII; Cost Of Production: Value of depreciation has been given similar to another mining leases i.e. 07CHG16003 (1218.762 Ha.) and 07MPR42004 (377.116 Ha.)</p>

(Name of the Inspecting Officer and Designation and Date)

Shaival Kartikeya
Jr. Mining Geologist
Indian Bureau of Mines, Raipur
Date of Inspection: 19/11/2019