

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	Date of inspection	12/03/2019
3	Name of the Mine	Bodai Daldali Bauxite Mine MCDR File No. CHG/KWA/Bxt-02/Raipur
4	Total Lease Area (Ha) with breakup of Non-forest and forest land	Govt. Land: 267.784 Ha. Private Land: 315.767 Ha. Govt. Revenue Van Nistar Land: 33.566 Ha. Total Lease Area: 626.117 Ha.
5	Mine Code	07CHG/09002
6	IBM Registration Number under rule 45 of MCDR, 1988	IBM/602/2011
7	Name of the lessee, Address, phone, email and fax number	M/s Bharat Aluminium Company Limited (BALCO) Bharat Aluminium Company Limited Aluminium Sadan, Core - 6, Scope Office Complex, Lodi Road, New Delhi - 110 003
8	Village	Mundadadar, Keshmarda, Radda & Samseta
8	Taluka / Mandal / District	P.O. Baijalpur, Tehsil: Bodla, District: Kawardha
10	State	Chhattisgarh
11	Post office & PIN	Baijalpur – 491 995
12	Nearest police station	Taregaon
13	Nearest Railway station	Tilda Railway Station
14	Date of Grant of Mining Lease	27/03/1997 to 26/03/2017 (20 Years)
15	Date of Execution	27/03/1997
16	Date of opening of Mine	30/03/2004
17	Date of first Renewal, if applicable and its period & expiry	As per Section 8A of MMDR Amendment Act, 2015 Lease period has been extended up to 50 years. Supplementary agreement for extended period has been made. Extended Period: 27/03/2017 to 26/03/2047 (30 years)
18	Date of second Renewal, if applicable and its period & expiry	Not Applicable.
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not Applicable.
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Vikas Sharma, CEO & Whole Time Director, CEO Office, Comprehensive Building BALCO Nagar, Korba (Chhattisgarh) – 495 684 TeleFax: 07759-242139 Email: vikas.sharmaCSC@vedanta.co.in Date of Appointment: 18/03/2017
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Rajesh Mishra Mines and Geology Department, Engineering Building, BALCO Nagar, Korba (Chhattisgarh) – 495 684 TeleFax: 07759-242139

		Mob.: 09755000987 Email: rajesh.mishra@vedanta.co.in Date of Appointment: 01/02/2016
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Panjak Mahanta, Manager Mines, Rajmahal Parisar, Kawardha (Chhattisgarh) - 491995 Phone: 09981995991 Email: pankaj.mahanta@vedanta.co.in Date of Appointment: 15/07/2016
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Panjak Mahanta, Qualification: B. Tech. (Mining) Experience: +10 Years Rajmahal Parisar, Kawardha (Chhattisgarh) - 491995 Phone: 09981995991 Email: pankaj.mahanta@vedanta.co.in Date of Appointment: 15/07/2016
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Yes, Appointed Md. Shabhaz Khan Qualification: M. Sc. (Geology) Experience: +2 years BALCO Nagar, Korba (Chhattisgarh) – 495 684 TeleFax: 07759-242139 Date of Appointment: 01/08/2018
25	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. RNG/BX/MPLN-396/NGP Nagpur dated 02/06/1995 Proposal Period: 2004-05 to 2008-09 Modified Mining Plan approved vide letter no. RNG/BX/MPLN-396/NGP Nagpur dated 23/02/2007 Proposal Period: 2007-08 to 2008-09 Modified Mining Plan approved vide letter no. RNG/BX/MPLN-396/NGP Nagpur dated 18/12/2012 Proposal Period: 2012-13 to 2013-14 Modified Mining Plan approved vide letter no. KBD/BXT/MPLN-396/NGP/2015-34-RPR Raipur dated 14/07/2016 Proposal Period: 2016-17 to 2019-20 Modified Mining Plan approved vide letter no. KBD/BXT/MPLN-1121/2017-RPR Raipur dated 17/11/2017 Proposal Period: 2017-18 to 2020-21
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	1st Scheme of Mining approved vide letter no. RNG/BX/MPLN-396/NGP Nagpur dated 25/03/2009 Proposal Period: 2009-10 to 2013-14 2nd Scheme of Mining approved vide letter no. RNG/BX/MPLN-396/NGP Nagpur dated 28/03/2014 Proposal Period: 2014-15 to 2016-17 (up to 26/03/2017)
27	Mineral(s) granted in lease and proved for mining	Bauxite
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	Category 'A Mechanised'

30	Captive/Non Captive	Captive
31	Existing EC Limit and validity	1.25 Million Tonnes Per Annum for Bauxite Mining obtained from Ministry of Environment and Forest, Government of India vide letter no. J-11015/37/2010-IA. II(M) New Delhi dated 09/04/2010 Valid up to 26/03/2047
32	Status of Financial Assurance	Rs. 9,77,52,000/- Valid up to 31/03/2021

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	No exploration proposal has been given in the last approved document.	Not applicable.	As per the geological plan of the lease area. The entire lease area has not been explored in G1 level.
1b	Exploration over lease area for Geological axis 1 or 2.	No exploration proposal has been given in the last approved document.	Under G1 Category: 556.117 Ha Non-Mineralised: 70.00 Ha	-
1c	Exploration Agency & Expenditure in lakh Rupees during the year	No exploration proposal has been given in the last approved document.	Not applicable.	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	As per the last approved document, no further exploration has been proposed during plan period.	Under G1 Category: 556.112 Ha Non-Mineralised: 70.00 Ha	-
1e	Balance reserves as on 01.04.2019 (in Million Tonnes) Bauxite	Under (111): 0.926 Million Tonnes Under (211): 1.140 Million Tonnes	Under (111): 2.351 Million Tonnes Under (211): 1.140 Million Tonnes	-
1f	General remarks of inspecting officer on geology, exploration etc.	NIL		

2.0 Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development	2017-18 and	In addition to the	Deviation

	w.r.t. lease area (Range in UTM/Local Coordinate/Plot No./Location)	2018-19: In between UTM co-ordinates N2478600 to 2486750 and E518300 to E520520 (Wide range of lease area) in various small pits	area proposed for development and production of mineral/ore, some other places within lease area have been observed where the development and production of mineral/ore is being done without any proposal.	has been pointed out for excess development during 2017-18 and 2018-19.
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Topsoil: 01 no. OB: 01 no. Mineral/Ore: 01 no.	Topsoil: 01 no. OB: 01 no. Mineral/Ore: 01 no.	Separate benches of Topsoil/OB and mineral/re have been developed
2c	Stripping ratio or ore to OB ratio	1:0.65	1: 0.58	-
2d	Quantity of topsoil generation in m3	2017-18: 137458 Cubic Meter	2017-18: 101995 Cubic Meter	-
2e	Quantity of overburden generation in m3	2017-18: 892585 Cubic Meter	2017-18: 917955 Cubic Meter	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	<p>In addition to the area proposed in the approved Modified Mining Plan for development and production of mineral/ore, some other places within lease area have been observed where the development and production of mineral/ore is being done without any proposal:</p> <p>F.Y. 2017-18:</p> <p>(i) In between UTM co-ordinates N2486000-2486200 & E519800-519950, N2481850-2482200 & E519300-519500, N2485500-2486200 & E519800-520200 and N2485450-2485500 & E519650-519750 wherein mineral has been mined out and the area has been backfilled concurrently.</p> <p>(ii) In between UTM co-ordinates N2484750-2484850 & E519750-519950 wherein working quarry has been extended from the proposed location towards southern side of the lease area.</p> <p>F.Y. 2018-19:</p> <p>(i) In between UTM co-ordinates N2481500-2481700 & E519150-519250, and N284550-284850 & E519150-519600 wherein mineral has been mined out and the area has been backfilled concurrently.</p> <p>(ii) In between UTM co-ordinates N2483450-2483700 and E519600-519650 where the mineral excavation is being done without any approved proposal.</p>		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	30 nos.	In addition to the area proposed for development and production of mineral/ore, some other places within lease area have been observed where the development and production of mineral/ore is being done without any proposal.	Deviation has been pointed out.
3b	Quantity of ROM mineral production proposed	2017-18: 1369570.000 Metric Tonnes 2018-19: 1922893.000 Metric Tonnes	2017-18: 869000.000 Metric Tonnes 2018-19: 640600.000 Metric Tonnes	-
3c	Recovery of salable/usable mineral from ROM production	75%	77%	-
3d	Quantity of mineral reject generation	148868.000 Metric Tonnes	124870.000 Metric Tonnes	-
3e	Grade of mineral reject generation and threshold value declared	Al ₂ O ₃ : +30% SiO ₂ : -15%	Al ₂ O ₃ : +30% SiO ₂ : -15%	-
3f	Quantity of sub-grade mineral generation	2017-18: 136957.000 Metric Tonnes	2017-18: 0.0 Metric Tonnes	The entire sub-grade has been blended with Ore/Mineral.
3g	Grade of sub-grade mineral generation	Less than 38% Al ₂ O ₃	Less than 38% Al ₂ O ₃	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised Crushing and Screening with 250 TPH Capacity.	Manual sizing and segregation is in practiced.	-
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	Not proposed in the approved document.	Not Applicable.	-
3j	Provision of drilling & blasting in mineral benches	Provision for drilling and blasting has been given. Spacing: 2.2 m	Provision for drilling and blasting has been given. Spacing: 2.2 m Burden : 2.0 m	-

		Burden : 2.0 m Depth: 3.0 m Charge: 6.0 KG Powder Factor: 3.96 T/KG	Depth: 3.0 m Charge: 6.0 KG Powder Factor: 3.96 T/KG	
3k	Provision of mining machineries in mineral benches	<ol style="list-style-type: none"> 1. 07 nos. of DTH Drills with 100 mm dia 2. 12 nos. of Hydraulic Excavators with 3 and 2 cum and 90+ 3 nos. bucket size respectively 3. 05 nos. of Hydraulic Rock Breakers. 4. 07 nos. of Loaders with 2.5 cum capacity. 5. 02 nos. of Dozers 6. 25 nos. of Dumpers with 35 tonnes capacity. 7. 01 no. of Diesel Tanker with 5000 liters capacity 8. 02 nos. of Water Tanker with 20000 liters capacity 9. 02 nos. of Service Van 10. 01 no. of Explosive Van with 3 tonnes capacity. 11. 02 nos. of DG Set with 50KVA capacity 12. 01 no. of Water Pump 	<ol style="list-style-type: none"> 1. 07 nos. of DTH Drills with 100 mm dia 2. 12 nos. of Hydraulic Excavators with 3 and 2 cum and 90+ 3 nos. bucket size respectively 3. 05 nos. of Hydraulic Rock Breakers. 4. 07 nos. of Loaders with 2.5 cum capacity. 5. 02 nos. of Dozers 6. 25 nos. of Dumpers with 35 tonnes capacity. 7. 01 no. of Diesel Tanker with 5000 liters capacity 8. 02 nos. of Water Tanker with 20000 liters capacity 9. 02 nos. of Service Van 10. 01 no. of Explosive Van with 3 tonnes capacity. 11. 02 nos. of DG Set with 50KVA capacity 12. 01 no. of Water Pump with 5 HP Capacity 13. 03 nos. of Gen Set with 100 KVA Capacity 14. 01 no. of ANFO Mixing Van with 40 HP capacity 15. 03 nos. 	-

		<p>with 5 HP Capacity</p> <p>13. 03 nos. of Gen Set with 100 KVA Capacity</p> <p>14. 01 no. of ANFO Mixing Van with 40 HP capacity</p> <p>15. 03 nos. Portable Crushing & Screening Unit with 250 TPH Capacity</p> <p>16. 10 nos. of Portable Light Mask.</p>	<p>Portable Crushing & Screening Unit with 250 TPH Capacity</p> <p>16. 10 nos. of Portable Light Mask.</p>	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	<p>Topsoil: 0.5 – 1.0 meter</p> <p>OB: 6.0 meters</p> <p>Mineral/Ore: 1.0 – 4.0 meters</p>	<p>Topsoil: 0.5 – 1.0 meter</p> <p>OB: 6.0 meters</p> <p>Mineral/Ore: 1.0 – 4.0 meters</p>	-
3m	Total area covered under excavation/pits	291.40 Ha. up to end of Plan Period.	358.700 Ha. up to end of F.Y. 2017-18	
3n	Ore to OB ratio for the pit/mine during the year	1:0.65	1: 0.58	
3o	Total area put in use under different heads at the end of year	<p>Pit- 291.40 Ha.</p> <p>Waste/reject-NIL</p> <p>Others- 14.0 Ha.</p> <p>Up to end of plan period.</p>	<p>Pit- 369.20 Ha.</p> <p>Waste/reject-NIL</p> <p>Others- 387.48 Ha.</p> <p>Up to end of plan period.</p>	Excess area has been utilised.
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	<p>Yr- 2013-14: 1807931.00 Metric Tonnes</p> <p>Yr- 2014-15: 1921855.00 Metric Tonnes</p> <p>Yr- 2015-16: 1922940.00 Metric Tonnes</p> <p>Yr- 2016-17: 1922695.00 Metric Tonnes</p> <p>Yr- 2017-18: 1369570.00 Metric Tonnes</p> <p>Yr- 2018-19: 1922893.00 Metric Tonnes</p>	<p>Yr- 2013-14: 689630.00 Metric Tonnes</p> <p>Yr- 2014-15: 1263600.00 Metric Tonnes</p> <p>Yr- 2015-16: 1539900.00 Metric Tonnes</p> <p>Yr- 2016-17: 1571300.00 Metric Tonnes</p> <p>Yr- 2017-18: 869000.00 Metric Tonnes</p> <p>Yr- 2018-19: 640600.00 Metric Tonnes</p>	ROM production for F.Y. 2018-19 has been obtained from submitted Monthly Returns

3q	General remarks of inspecting officer on method of mining etc.	NIL
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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.	No separate dumping of topsoil, OB, and Mineral Reject has been observed.	-
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	Concurrent backfilling in the mined out area has been proposed in the approved document.	Not applicable.	-
4c	Number of dumps within lease area and outside lease area	Dumping within lease area has not been proposed in the approved document.	Not applicable.	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	Dumping within lease area has not been proposed in the approved document.	Not applicable.	-
4e	Number of active & alive dumps	Dumping within lease area has not been proposed in the approved document.	Not applicable.	-
4f	Number of dead dumps	No dead dumps mentioned in the approved document.	No dead dumps have been found within lease area.	-
4g	Number of dumps stabilised	Not proposed in the approved document.	Not applicable.	-
4h	Whether Retaining wall or garland drain all along dumps are there	Not proposed in the approved document.	Not applicable.	-
4i	Length of Retaining wall or garland drain all along dump	Not proposed in the approved document.	Not applicable.	-
4j	Number of settling ponds	Not proposed in the approved document.	Not applicable.	-
4k	Specific comments of inspecting officer	NIL		

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	Full extraction of the mineral from the mined out area before starting of backfilling has been proposed in the approved document.	Concurrent backfilling in the mined out area is being done.	-
5b	Area under backfilling of mined out area	Concurrent backfilling in the mined out area has been proposed in the approved document. 32.0 Ha. area to be backfilled	In the mined out area concurrent backfilling has not been done completely.	Deviation has been pointed out.
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Concurrent use of topsoil for restoration or rehabilitation of mined out area has been proposed in the approved document.	Concurrent use of topsoil for restoration or rehabilitation of mined out area is being done.	-
5d	Total area fully reclaimed & rehabilitated	Entire 291.40 Ha. mined out area up to the end of plan period.	As per annual returns for F.Y. 2017-18; 352.480 Ha. area has been reclaimed.	-
5e	General remarks of inspecting officer on backfilling, reclamation etc	Backfilling and reclamation have not been done completely: F.Y. 2017-18: In between UTM co-ordinates N2484850-2485150 & E519500-520000 F.Y. 2018-19: In between UTM co-ordinates N2484450-2484850 & E519250-519800		

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.	Yes, submitted on time.	Yes, submitted on time.	-

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	20.84 Ha. (F.Y 2017-18) 20.84 Ha. 70693 nos. No record NIL Not mentioned in the document.	20.84 Ha. (F.Y 2017-18) 20.84 Ha. 70693 nos. No record NIL Not mentioned in the document.	In the mined out area concurrent backfilling has not been done completely. Deviation has been pointed out.
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	32.00 Ha. 32.00 Ha. 20.84 Ha. Not proposed NIL	32.00 Ha. 32.00 Ha. 20.84 Ha. Not proposed NIL	-
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	70693 nos. 20.84 Ha. By plantation	70693 nos. 20.84 Ha. By plantation	-
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Regular monitoring for Ambient Air, Water and Noise Vibration has been given in the approved document.	Monitoring is being done as per proposal.	-
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	Mechanised Sizing and Screening has been proposed in the approved document before dispatch.	Manual sizing and sorting is in practiced.	-
7b	Method of grade-wise mineral sorting i.e. manual	Mechanised Sizing and Screening has	Manual sizing and sorting is in	-

	or mechanical	been proposed in the approved document.	practiced.	
7c	Different grade of mineral sorted out at mines	+38% Al ₂ O ₃ contains Bauxite	+38% Al ₂ O ₃ contains Bauxite	-
7d	Any beneficiation process at mines	Mechanised Crushing and Screening.	Manual Sizing and Sorting.	-
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)	Concurrent backfilling in the mined out area has been proposed in the approved document. Generated topsoil will be used for plantation over backfilled area.	Being done as per proposal.	-
8b	Concurrent use or storage of topsoil	Generated topsoil will be used for plantation over backfilled area.	Being done as per proposal.	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Concurrent backfilling in the mined out area has been proposed in the approved document.	Being done as per proposal.	-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Concurrent backfilling in the mined out area has been proposed in the approved document for restoring the land to its original use.	Being done as per proposal.	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Concurrent backfilling in the mined out area has been proposed in the approved document.	Being done as per proposal.	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	During 2017-18: 70693 nos.	2017-18: 70693 nos.	-
8g	Survival rate	70%	Approx 50%	-
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on roads through truck mounted water tanker.	Being done as per proposal.	-
8i	General remarks of inspecting officer on	NIL		

	aesthetic beauty in and around mines are	
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9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual returns	M.R. Submitted upto – March 2019 A.R. submitted upto- F.Y. 2017-18	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	Manager: Shri Pankaj Mahanta Mining Engineer: Shri S.C. Sao Geologist: Shri Pravasa Ranjan Chinara	Manager: Shri Pankaj Mahanta Mining Engineer: Shri Pankaj Mahanta Geologist: Md. Shahbaz Khan	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 291.40 Ha. Waste/reject-NIL Others- 14.0 Ha. Up to end of plan period.	Pit- 369.20 Ha. Waste/reject-NIL Others- 387.48 Ha. Up to end of plan period.	Excess area has been utilised.
9d	Scrutiny of Annual return on afforestation	Within lease area: 70693 nos.	Within lease area: 70693 nos.	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	287200.00 Metric Tonnes Grade: Below 30% Al ₂ O ₃	287200.00 Metric Tonnes Grade: Below 30% Al ₂ O ₃	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM: 3537.00 Metric Tonnes Grade Wise Bauxite: 182.930 Metric Tonnes	ROM: 3537.00 Metric Tonnes Grade Wise Bauxite: 182.930 Metric Tonnes	As per monthly returns for the month of March 2019.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale Value: NIL (Captive Use) Ex-Mine Price: Rs. 1152.14 Per Metric tonne Cost of Production: Rs. 1051.78 Per Metric Tonne	Sale Value: NIL (Captive Use) Ex-Mine Price: Rs. 1152.14 Per Metric tonne Cost of Production: Rs. 1051.78 Per Metric Tonne	An amount of DMF and NMET have been added or not or for computation of the cost of production is not clear.
9i	Scrutiny of Annual return on fixed assets	Fixed Asset: Rs. 0.0	Fixed Asset: Rs. 0.0	NIL
9k	Scrutiny of Annual return on mining machineries	Given in the annual returns.	As per proposal.	NIL

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

No outstanding violations. (Violation Pointed out under rule 45(7) of MCDR, 2017.)

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

Shri R. K. Das Sr. ACOM and Shri R. N. Mishra SMG

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 KABIRDHAM/BXT/MPLN-1121/2017-Raipur dated 17/11/2017 for the period of 2017-18 to 2020-21:</p> <p>Development: In addition to the area proposed in the approved Modified Mining Plan for development and production of mineral/ore, some other places within lease area have been observed where the development and production of mineral/ore is being done without any proposal:</p> <p>F.Y. 2017-18:</p> <p>(i) In between UTM co-ordinates N2486000-2486200 & E519800-519950, N2481850-2482200 & E519300-519500, N2485500-2486200 & E519800-520200 and N2485450-2485500 & E519650-519750 wherein mineral has been mined out and the area has been backfilled concurrently.</p> <p>(ii) In between UTM co-ordinates N2484750-2484850 & E519750-519950 wherein working quarry has been extended from the proposed location towards southern side of the lease area.</p> <p>F.Y. 2018-19:</p> <p>(i) In between UTM co-ordinates N2481500-2481700 & E519150-519250, and N284550-284850 & E519150-519600 wherein mineral has been mined out and the area has been backfilled concurrently.</p> <p>(ii) In between UTM co-ordinates N2483450-2483700 and E519600-519650 where the mineral excavation is being done without any approved proposal.</p> <p>Reclamation/Backfilling: Backfilling and reclamation have not been done completely:</p> <p>F.Y. 2017-18: In between UTM co-ordinates N2484850-2485150 & E519500-520000</p> <p>F.Y. 2018-19: In between UTM co-ordinates N2484450-2484850 & E519250-519800</p>
Rule 33	Updated print copy of the surface geological plan and sections has not been submitted the year 2017-18.
Rule 45 (7)	Annual return for F.Y. 2017-18: An amount of DMF and NMET have been added or not or for computation of the cost of production is not clear.

Note: Validation of the Star Ratings has been done.

(Name of the Inspecting Officer and Designation and Date)

Shaival Kartikeya
Jr. Mining Geologist
Indian Bureau of Mines, Raipur
Date of Inspection: 12/03/2019