

# 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	18/07/2018
3	Name of the Mine	Chilhathi Limestone Mine
4	Total Lease Area (Ha) with breakup of Non-forest and forest land	Govt. Land: 88.409 Ha Private land: 996.956 Ha Forest Area: NIL Total Lease Area: 1085.365 Ha.
5	Mine Code	38CHG02002
6	IBM Registration Number under rule 45 of MCDR, 1988	IBM/378/2011
7	Name of the lessee, Address, phone, email and fax number	M/s Nuvoco Vistas Corporation Limited (Formerly Lafarge India Limited) Equinox Business Park, Tower 3, East Wing, 4th Floor, LBS Road, Kurla (West), Mumbai – 400 070 Phone: 022- 67692500 Fax: 022 – 66306510 Email: sanjay.tyagi@nuvoco.in
8	Village	Chilhathi
8	Taluka / Mandal / District	Taluka- Masturi, District- Bilaspur
10	State	Chhattisgarh
11	Post office & PIN	Pachpedi
12	Nearest police station	Pachpedi
13	Nearest Railway station	Jairamnagar
14	Date of Grant of Mining Lease	15/12/2015 to 14/12/2065 (50 Years)  As per MMDR Amendment Act, 2015 section 8A Validity of the lease period extended up to 50 years. Supplementary lease deed has been made for extended period.
15	Date of Execution	22/12/2015
16	Date of opening of Mine	19/04/2017
17	Date of first Renewal, if applicable and its period & expiry	Not Applicable.
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 Suketu Shah M/s Nuvoco Vistas Corporation Limited (Formerly Lafarge India Limited) Equinox Business Park, Tower 3, East Wing, 4th Floor, LBS Road, Kurla (West), Mumbai – 400 070 Phone: 022- 66306511 Fax: 022 – 66306510 Email: suketu@nirma.co.in Date of Appointment: 19/06/2018
21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Sanjay Tyagi Agent (Mines) & Plant Head Arasmeta Cement Plant M/s Nuvoco Vistas Corporation Limited (Formerly Lafarge India Limited), P.O-Gopalnagar, Tehsil- Akaltra, District- Janjgir Champa, Chhattisgarh, Phone: 07817-233234, Fax: 07817-234237,234286 Email: sanjay.tyagi@nuvoco.in Date of Appointment: 01/08/2017
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri Sanjay Dwivedi, Arasmeta Cement Plant M/s Nuvoco Vistas Corporation Limited, (Formerly Lafarge India Limited ), P.O-Gopalnagar, Tehsil- Akaltra, District- Janjgir Champa, Chhattisgarh, Phone: 09981511598 Fax: 07817-234237,234286 Email: sanjay.dwivedi@nuvoco.in Date of Appointment: 27/06/2016
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri Sanjay Dwivedi Qualification: B.E. Mining Total Experience: 16 years Arasmeta Cement Plant M/s Nuvoco Vistas Corporation Limited, (Formerly Lafarge India Limited ), P.O-Gopalnagar, Tehsil- Akaltra, District- Janjgir Champa, Chhattisgarh, Phone: 09981511598 Fax: 07817-234237,234286 Email: sanjay.dwivedi@nuvoco.in Date of Appointment: 27/06/2016
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Shri Mrinmoy Chakraborty Qualification: M.Sc Geology Total Experience: 10 years Arasmeta Cement Plant M/s Nuvoco Vistas Corporation Limited (Formerly Lafarge India Limited ), P.O-Gopalnagar, Tehsil- Akaltra, District- Janjgir Champa, Chhattisgarh Phone: 08826433447 Fax: 07817-234237,234286 Email: mrinmoy.chakraborty@nuvoco.in Date of Appointment: 15/04/2017

25	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	<b>Mining Plan</b> approved vide letter no. 314(3)/2011-MCCM(CZ)/MP-26 Nagpur dated 01/12/2012 Proposal Period: 2015-16 to 2019-20 <b>Modified Mining Plan</b> approved vide letter no. BLS/LST/MPLN-1105/NGP Nagpur dated 23/01/2015 Proposal Period: 2015-16 to 2019-20
26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Not Applicable.
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining(Open cast, Underground)	Open cast
29	Category (Fully Mechanised, Others or Manual)	Category "A Fully Mechanised"
30	Captive/Non Captive	Captive
31	Existing EC Limit and validity	4.0 Million Tonnes, Ministry of Environment, Forests and Climate Change vide letter no. J-11015/210/2010-IA.II(M) New Delhi dated 18/09/2014 valid up to 14/12/2065
32	Status of Financial Assurance	Rs. 1,97,46,000/- valid up to 11/08/2020

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	<b>2015-16:</b> 36 nos. of core boreholes with cumulative depth 1800 meters. <b>2016-17:</b> 42 nos. of core boreholes with cumulative depth 2100 meters. <b>2017-18:</b> 60 nos. of core boreholes with cumulative depth 3000 meters.	<b>2015-16:</b> NIL <b>2016-17:</b> 40 nos. of core boreholes with cumulative depth 1551 meters. <b>2017-18:</b> 61 nos. of core boreholes with cumulative depth 1857 meters.	Shortfall for nil achievement during 2015-16 has been pointed out.
1b	Exploration over lease area for Geological axis 1 or 2.	During plan period the entire lease area will be explored in 150m x 150m grid interval	Under G1 Category: 670.345 Ha Under G2 category: 415.02 Ha	-
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not mentioned in the approved document.	GEM Consultants, Phone: 09630069354 Cost: Rs. 39,99,020/-	-

1d	Balance area to be explored to bring Geological axis in 1 or 2	During plan period the entire lease area will be explored in 150m x 150m grid interval	Under G1 Category: 670.345 Ha Under G2 category: 415.02 Ha	Shortfall for nil achievement of the exploration proposal during 2015-16 has been pointed out.
1e	Balance reserves as on 01.04.2018 (in Million Tonnes)	Under (122): 116.32 Million Tonnes Under (222): 680.846 Million Tonnes	Under (122): 120.04 Million Tonnes Under (222): 680.846 Million Tonnes	During 2015-16 and 2016-17 NIL Production and 2017-18 very less production has been observed.
1f	General remarks of inspecting officer on geology, exploration etc.	NIL		

## 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)	Within UTM Coordinates N2410900-2411070 E632864- 633142	Within UTM Coordinates N2410900- 2411070 E632864- 633142	Present working is being carrying out within proposed area.
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	<b>Top Soil:</b> 01 no. <b>Mineral/Ore:</b> 02 nos.	<b>Top Soil:</b> 01 no. <b>Mineral/Ore:</b> 02 nos.	-
2c	Stripping ratio or ore to OB ratio	1:0.10	1:1.07	-
2d	Quantity of topsoil generation in m3	99046	6684	-
2e	Quantity of overburden generation in m3	0	11463	-
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	NIL		

## 3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	01 no.	01 no.	-
3b	Quantity of ROM mineral production proposed	1715625.000 Metric Tonnes	38539.000 Metric Tonnes	Less production durin F.Y 2017-18

3c	Recovery of salable/usable mineral from ROM production	100%	Could not be ascertained as no record has been maintained.	-
3d	Quantity of mineral reject generation	NIL generation of Mineral Reject has been given in the approved document.	Approximately 18-20 thousand metric tonnes of sub-grade mineral/mineral reject has been stacked	Deviation has been pointed out.
3e	Grade of mineral reject generation and threshold value declared	Less than 34% CaO (min) and 4% MgO (max)	Less than 34% CaO (min) and 4% MgO (max)	-
3f	Quantity of sub-grade mineral generation	NIL generation of Mineral Reject has been given in the approved document.	Approximately 18-20 thousand metric tonnes of sub-grade mineral/mineral reject has been stacked	Deviation has been pointed out.
3g	Grade of sub-grade mineral generation	34% - 43% CaO	34% - 43% CaO	-
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised Crushing and Screening	Mechanised Crushing and Screening	-
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	Height: 06-08 meters Burden: 2.5-3.0 meters Spacing: 4.5-5.0 meters <b>Drilling Machine:</b> 1. Atlas Copco Tyre/crawler mounted 115 mm dia – 04 nos. 2. Ingersol Rand Tyre/crawler mounted 115 mm dia – 02 nos.	Height: 06-08 meters Burden: 2.5-3.0 meters Spacing: 4.5-5.0 meters <b>Drilling Machine:</b> 1. Atlas Copco Tyre/crawler mounted 115 mm dia – 04 nos. 2. Ingersol Rand Tyre/crawler mounted 115 mm dia – 02 nos.	-
3k	Provision of mining machineries in mineral benches	1. BEML Hydraulic Excavator 4.3 m <sup>3</sup> bucket capacity, 410 HP at 1800 RPM – 05	Carried out as per proposal.	-

		<p>nos.</p> <p><b>2.</b> BEML Rear Dumpers 30 MT Capacity 380 HP at 2100 RPM – 06 nos.</p> <p><b>3.</b> BEML Rear Dumpers 35 MT Capacity 380 HP at 2100 RPM – 05 nos.</p> <p><b>4.</b> BEML Rear Dumpers 40 MT Capacity 450 HP at 2150 RPM – 02 nos.</p> <p><b>5.</b> BEML Dozer D-355, 15.2MT Capacity, 410 HP at 2000 RPM- 01 no.</p> <p><b>6.</b> BEML Doser D-155, 10.4MT Capacity, 360 HP at 2000 RPM- 01 no.</p> <p><b>7.</b> Ingersol Rand Portable Compressor, 410cfm Capacity, 177 HP at 2100 RPM- 04 nos.</p> <p><b>8.</b> KG Khosla Portable Compressor, 410 cfm Capacity, 106 HP at 1900 RPM- 01 no.</p> <p><b>9.</b> Ingersol Rand Portable Compressor mounted on wagon drill, 750cfm Capacity, 198 HP at 1900 RPM- 02 nos.</p> <p><b>10.</b>BEML Water</p>		
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		<p>Tanker 20000 ltr Capacity, 380 HP at 2100 RPM- 01 no.</p> <p><b>11.</b>TATA Water Tanker 10000 ltr Capacity, 112 PS at 2800- 01 no.</p> <p><b>12.</b>Ashok Leyland Explosive Van 10 MT Capacity,</p> <p><b>13.</b>Dewatering Pump 40ltr/sec Capacity, 60 HP- 04 nos.</p> <p><b>14.</b>Dewatering Pump 75 ltr/sec Capacity, 150 HP- 02 nos.</p>		
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	<p>Top Soil: 01 no. Height: 4.0 – 5.0 meters Mineral/Ore: 02 nos. Height 6.0 – 8.0 m</p>	<p>Top Soil: 01 no. Height: 4.0 – 5.0 meters Mineral/Ore: 02 nos. Height 6.0 – 8.0 m</p>	-
3m	Total area covered under excavation/pits	28.31 Ha at the end of Plan Period.	3.51 Ha up to 2017-18	-
3n	Ore to OB ratio for the pit/mine during the year	1:0.10	1:1.07	-
3o	Total area put in use under different heads at the end of year	<p>Pit- 28.31 Ha Waste/reject- NIL Others- 37.51 Ha</p>	<p>Pit- 3.51 Ha Waste/reject- NIL Others- 18.05 Ha</p>	-
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	<p>Yr- 2015-16: 656250.00 Metric Tonnes Yr- 2016-17: 1378125.00 Metric Tonnes Yr- 2017-18: 1715625.00 Metric Tonnes</p>	<p>Yr- 2015-16: NIL Metric Tonnes Yr- 2016-17: NIL Metric Tonnes Yr- 2017-18: 38539.00 Metric Tonnes</p>	-
3q	General remarks of inspecting officer on method of mining etc.	NIL production during 2015-16 and 2016-17 and very less production during 2017-18		

#### 4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	<p><b>Top Soil:</b> Stacking has been proposed in the NE Block.</p> <p><b>Waste:</b> No waste will be generated during plan period.</p> <p><b>Reject/Sub-grade:</b> No waste will be generated during plan period.</p> <p>There is no such proposal has been given in the approved document for stacking of Waste and Mineral Reject.</p>	<p><b>Top soil:</b> It has been dumped along the lease boundary.</p> <p><b>Waste:</b> Approximately 10 – 12 Thousand Metric Tonnes of Waste has been dumped in between UTM Co-ordinates N2411800 – 2412200 and E632800 - 633000</p> <p><b>Reject/Sub-grade:</b> Approximately 18-20 thousand metric tonnes of subgrade mineral/mineral reject has been stacked in between UTM Co-ordinates N2410800 - N2411000 and E633600 – E633800 without any proposal</p>	Deviation has been pointed out
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	<p><b>Top Soil:</b> Stacking has been proposed in the NE Block.</p> <p><b>Waste:</b> No waste will be generated during plan period.</p> <p><b>Reject/Sub-grade:</b> No waste will be generated during plan period.</p> <p>There is no such proposal has been given in the approved document for stacking of Waste and Mineral Reject.</p>	<p><b>Top soil:</b> It has been dumped along the lease boundary.</p> <p><b>Waste:</b> Approximately 10 – 12 Thousand Metric Tonnes of Waste has been dumped in between UTM Co-ordinates N2411800 – 2412200 and E632800 - 633000</p> <p><b>Reject/Sub-grade:</b> Approximately 18-20 thousand metric tonnes of subgrade mineral/mineral reject has been stacked in between UTM Co-ordinates N2410800 - N2411000 and E633600 – E633800 without any proposal</p>	Deviation has been pointed out



4c	Number of dumps within lease area and outside lease area	Within Lease area: <b>Top Soil Dump:</b> 01 no. <b>Waste Dump:</b> Not proposed in the approved document. <b>Reject/Sub-grade Dump:</b> Not proposed in the approved document.	Within Lease area: <b>Top Soil Dump:</b> 01 no. <b>Waste Dump:</b> 01 no. <b>Reject/Sub-grade Dump:</b> 01 no.	Deviation has been pointed out.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	Proposed Beyond ultimate pit limit.	Carried out as per proposal.	-
4e	Number of active & alive dumps	01 nos.	03 nos.	-
4f	Number of dead dumps	No proposed in the approved document	Not Applicable.	-
4g	Number of dumps stabilised	No 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.	<b>Retaining wall</b> has not been constructed along waste dump. <b>Garland drain</b> has been made along soil bunds near to lease boundary	Deviation has been pointed out.
4i	Length of Retaining wall or garland drain all along dump	Not proposed in the approved document.	Garland Drain approximately 2200 meters.	
4j	Number of settling ponds	Not proposed in the approved document.	01 no. of settling pond has been made.	
4k	Specific comments of inspecting officer	<p>Approximately 18-20 thousand metric tonnes of subgrade mineral/mineral reject has been stacked within the lease area in between UTM Co-ordinates N2410800 - N2411000 and E633600 – E633800 without any proposal.</p> <p>The existing protective measures taken around waste dump are insufficient and it has been found that the waste material was escaping and washing away from the dumps and was contaminating the nearby area. A proper protective measure should be taken to prevent the escape of the material from the existing waste dumps.</p>		

## 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 not given in the approved document.	Area not matured for backfilling.	-
5b	Area under backfilling of mined out area	Proposal not given in the approved document.	Area not matured for backfilling.	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Top soil will be used for plantation.	Top soil has been utilised for plantation. Generated topsoil has been stacked around the working quarry.	-
5d	Total area fully reclaimed & rehabilitated	Proposal not given in the approved document.	Area not matured for reclamation and rehabilitation. Plantation work has been done over the top soil bunds.	-
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.	PMCP report under rule 23 of MCDR, 2017 has been submitted within due time.	Not applicable.	-
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	0.00 Ha. 2.50 Ha. 3750 nos. 11250 nos. NIL Not mentioned in the approved document.	0.00 Ha. 2.47 Ha. 4000 nos. 4000 nos. NIL Not Applicable.	Deviation for less plantation 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	Proposal not given in the approved document for reclamation and rehabilitation by backfilling.	Area not matured for reclamation and rehabilitation. Plantation work has been done over the top soil bunds.	-
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	Proposal not given in the approved document.	Not applicable.	-
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposal for regular Environmental monitoring has been given.	Carried out 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	-75 mm ore/mineral will be despatched after mechanised crushing and screening to plant for cement manufacturing.	-75 mm ore/mineral has been despatched after mechanised crushing and screening to plant for cement manufacturing.	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanised Crushing and Screening.	Mechanised Crushing and Screening.	-
7c	Different grade of mineral sorted out at mines	-75 mm ore/mineral	-75 mm ore/mineral	-
7d	Any beneficiation process at mines	Mechanised Crushing and Screening.	Mechanised Crushing and Screening.	-
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)	Top soil will be used for plantation.	Top soil has been utilised for plantation. Generated topsoil has been stacked around the working quarry.	-
8b	Concurrent use or storage of topsoil	Top soil will be used for plantation.	Top soil has been utilised for plantation. Generated topsoil has been stacked around the working quarry.	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	During plan period no waste and reject will be generated.	Approximately 18-20 thousand metric tonnes of sub-grade mineral/mineral reject has been stacked within the lease area	Deviation has been pointed out.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposal not given in the approved document	Not applicable	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposal not given in the approved document for reclamation and rehabilitation by backfilling.	Area not matured for reclamation and rehabilitation. Plantation work has been done over the top soil bunds.	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	<b>During 2015-16 to 2017-18:</b> 11250 nos. of plantation.	During 2017-18 <b>Within lease area:</b> 4000 nos. <b>Outside lease area:</b> 200 nos.	Deviation for less plantation has been pointed out.
8g	Survival rate	Not mentioned in the approved document.	Approximately 70%	-
8h	Water sprinkling on roads to control airborne dust	Proposal has been given for water sprinkling through water tanker.	Carried out as per 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 – June 2018 A.R. submitted upto- F.Y. 2017-18	-

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	<b>Mining Engineer:</b> Shri Sanjay Dwivedi <b>Geologist:</b> Shri Mrinmoy Chakraborty <b>Manager:</b> Shri Sanjay Dwivedi	<b>Mining Engineer:</b> Shri Sanjay Dwivedi <b>Geologist:</b> Shri Mrinmoy Chakraborty <b>Manager:</b> Shri Sanjay Dwivedi	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 3.51 Ha Waste/reject- NIL Others- 18.05 Ha	Pit- 3.51 Ha Waste/reject- NIL Others- 18.05 Ha	NIL
9d	Scrutiny of Annual return on afforestation	Within lease area: 3500 nos. Outside lease area: 200 nos.	Within lease area: 3500 nos. Outside lease area: 200 nos.	NIL
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	29170 Metric Tonnes Lithology: Shale.	Approx 18-20 thousand metric tonnes have been stacked.	Deviation has been pointed out.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NIL Given	05-07 thousand metric tonnes of Ore/Mineral has been stacked within lease area.	Deviation has been pointed out. (Monthly Returns June 2018)
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	<b>Sale Value:</b> NIL <b>Ex. Mine Price:</b> Rs. 818.26 Per Metric Tonne <b>Production Cost:</b> Rs.818.26 Per Metric tMnne	Transportation cost up to Arasmeta Plant has been included in the production cost and in the Ex. Mine Price.	Deviation has been pointed out.
9i	Scrutiny of Annual return on fixed assets	Rs. 72,63,73,000/-	Rs. 72,63,73,000/-	NIL
9k	Scrutiny of Annual return on mining machineries	Details given in the annual returns.	Details given in the annual returns.	NIL

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

No outstanding violations.

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

Shri. Rajesh Kumar Das, Sr. Asstt. Controller of Mines, Date of Inspection: 08/06/2017

Details of the Violations Pointed-out during Inspections:

नियम	उल्लंघन के प्रकार का विस्तृत ब्यौरा
<b>Rule 11 (1)</b>	<p>The following deviations have been found in the mine from the approved Modified Mining Plan vide letter no. BLS/LST/MPLN-1105/MP-14 Nagpur dated 23/01/2015 for the period of 2015-16 to 2019-20:</p> <p><b>Exploration/Borehole:</b> During 2015-16; it was proposed to carryout 36 nos of Core Boreholes up to a cumulative depth of 1800 meters; whereas, NIL boreholes have been drilled.</p> <p><b>Stacking of Subgrade Mineral/ Mineral Reject:</b> Approximately 18-20 thousand metric tonnes of subgrade mineral/mineral reject has been stacked within the lease area in between UTM Co-ordinates N2410800 - N2411000 and E633600 – E633800 without any proposal.</p> <p><b>Afforestation:</b> There was a proposal given for plantation of 11250 nos of plants during 2015-16 to 2017-18, whereas only 4000 nos. of the saplings have been planted.</p>
<b>Rule 37(2)</b>	<p>The existing protective measures taken around waste dump are insufficient and it has been found that the waste material was escaping and washing away from the dumps and was contaminating the nearby area. A proper protective measure should be taken to prevent the escape of the material from the existing waste dumps.</p>
<b>Rule 45 (7)</b>	<p><b>Monthly Returns; June 2018:</b> Part II (Production, Dispatches And Stock): During inspection it was found that approximately 05-07 thousand metric tonnes of mineral/ore has been produced earlier and was stacked within the lease area in between UTM Coordinates N2411200 - N2411400 and E633200 – E633400. The quantity of earlier produced 05-07 thousand metric tonnes of mineral/ore is not been reflected in the closing stock.</p> <p><b>Annual Returns; F.Y. 2017-18:</b> Part VII: Cost of Production: (i) Direct Cost; (b) Mining: Cost of the Mineral/Ore transportation from mine head to captive plant may be deducted from Rs. 589.59/- . Hence the cost of mineral production may be revised.</p>
<b>Rule 48 (1)</b>	<p>Borehole records of 61 nos. of boreholes; drilled during 2017-18 have not been maintained in prescribed form J. Chemical analysis of major radicals has not been done from the NABL accredited test laboratory.</p>

**Remark:** Star Ratings submitted under Rule 35 of MCDR, 2017 for the F.Y. 2017-18 has been validated.

(Name of the Inspecting Officer and Designation and Date)

(Shaival Kartikeya)  
Jr. Mining Geologist  
Indian Bureau of Mines, Raipur  
Date of inspection: 18/07/2018