

# 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	10/12/2018
3	Name of the Mine	JK Lakshmi Cement Limestone Mine MCDR File No. CHG/DRG/LST-26/NGP
4	Total Lease Area (Ha) with breakup of Non-forest and forest land	Non-Forest: 267.695 Ha. Forest: NIL Total Lease Area: 267.695 Ha.
5	Mine Code	38CHG05017
6	IBM Registration Number under rule 45 of MCDR, 1988	IBM/4816/2011
7	Name of the lessee, Address, phone, email and fax number	Shri Jay Kumar Puram, Basantgarh, Pindwara, District- Sirohi (Rajasthan) Pin Code: 307 019 Phone: 02971-244409/244410 Fax: 02971-244417 Email: lakshmi_cement@lc.jkmail.com
8	Village	Malpuri-Khurd & Khasadih
8	Taluka / Mandal / District	Taluka- Ahirwara, District- Durg
10	State	Chhattisgarh
11	Post office & PIN	Ahiwara, Pin Code: 490036
12	Nearest police station	Nandini Nagar
13	Nearest Railway station	Power House
14	Date of Grant of Mining Lease	19/07/1994 to 18/07/2014 (20 Years)
15	Date of Execution	19/07/1994
16	Date of opening of Mine	01/07/2011
17	Date of first Renewal, if applicable and its period & expiry	19/07/2014 to 18/07/2044 (30 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.
18	Date of second Renewal, if applicable and its period & expiry	N.A.
19	Date of submission of renewal application if Mining Operations are continuing under deemed extension	N.A.
20	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri Sushil Kumar Wali Whole Time Director and Nominated Owner F/2578, Ansals Palam Vihar, Gurgaon, Pin Code: 122017 Phone: 011-33001142/33001112 Fax: 011-23722251 Email: skwali@jkmail.com Date of Appointment: 06/11/2008

21	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Shri Dinesh Kumar Mehta, Vice President JK Lakshmi Cement Ltd. Village: Malpuri Khurd, Khasardih, P.O. Ahirwara, Tehsil: Dhamdha, District: Durg (Chhattisgarh) – 490 036 Phone: +91 (0) 9752094049. Email: dkmehta@jkmail.com Date of Appointment:01/02/2012
22	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Shri B. L. Bhati JK Lakshmi Cement Ltd. Village: Malpuri Khurd, Khasardih, P.O. Ahirwara, Tehsil: Dhamdha, District: Durg (Chhattisgarh) – 490 036 Phone: +91 (0) 9752094049 Email: blbhati@durg.jkmail.com Date of Appointment: 15/06/2009
23	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Shri B. L. Bhati JK Lakshmi Cement Ltd. Village: Malpuri Khurd, Khasardih, P.O. Ahirwara, Tehsil: Dhamdha, District: Durg (Chhattisgarh) – 490 036 Phone: +91 (0) 9752094049 Email: blbhati@durg.jkmail.com Qualification: B.E. (Mining) Experience: +27 years Date of Appointment: 15/06/2009
24	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Shri V. K. Singh JK Lakshmi Cement Ltd. Village: Malpuri Khurd, Khasardih, P.O. Ahirwara, Tehsil: Dhamdha, District: Durg (Chhattisgarh) – 490 036 Phone: +91 (0) 9752094045 Email: vksingh@durg.jkmail.com Qualification: M.Tech. (Applied Geology) Experience: +11 years Date of Appointment: 09/07/2018
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. DRG/LST/MPLN-355/NGP Nagpur dated 06/05/1994 Proposal Period: 1994-95 to 1998-99  <b>Modified Mining Plan</b> approved vide letter no. 314(3)/2008-MCCM(CZ)/MP-43 Nagpur dated 09/03/2009 Proposal Period: 2009-10 to 2013-14  <b>Mining Plan</b> approved vide letter no. DRG/LST/MPLN-355/NGP Nagpur dated 23/01/2015 Proposal Period: 2014-15 to 2018-19  <b>Modified Mining Plan</b> approved vide letter no. DRG/LST/MPLN-355/NGP/2016/31-RPR Raipur dated 21/07/2016 Proposal Period: 2016-17 to 2018-19

26	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	<b>Review of Mining Plan</b> approved vide letter no. DRG/LST/MPLN-1183/2018/RPR Raipur dated 09/01/2019 Proposal Period: 2019-20 to 2023-24
27	Mineral(s) granted in lease and proved for mining	Limestone
28	Method of Mining (Opencast, Underground)	Opencast
29	Category (Fully Mechanised, Others or Manual)	Category 'A' Fully Mechanised
30	Captive/Non Captive	Captive
31	Existing EC Limit and validity	4.8 Million Tonnes Per Annum Limestone for both the leases i.e. 267.695 Ha. and 281.339 ha. valid up to 18/07/2044
32	Status of Financial Assurance	Bank Guarantee of Rs. 2,24,31,000/- has been submitted and same is valid up 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	2016-17: 13 nos of boreholes with cumulative meterage 650 meters.	2017-18: 20 nos. of boreholes with cumulative meterage 787 meters	-
1b	Exploration over lease area for Geological axis 1 or 2.	Under G1 Category: 200.00 Ha Under G2 category: 67.695 Ha Non- Mineralised: NIL Ha	Under G1 Category: 267.695 Ha Non- Mineralised: NIL Ha	The entire lease area has been explored in G1 level during plan period
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not mentioned in the approved document	DSS Infra & Geotechno Services, Kolhapur (M.S.). Expenditure of Rs. 13.49 Lakh during current year 2017-18	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Under G1 Category: 200.00 Ha Under G2 category: 67.695 Ha Non- Mineralised: NIL Ha	Under G1 Category: 267.695 Ha Non- Mineralised: NIL Ha	The entire lease area has been explored in G1 level during plan period

1e	Balance reserves as on 01/10/2018 (in Million Tonnes)	Under (111): 132.711 Million Tonnes Under (211): 22.416 Million Tonnes	Under (111): 132.711 Million Tonnes Under (211): 22.416 Million Tonnes	Updated reserve and resource has been obtained from the recently approved Review of Mining Plan
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)	<b>2018-19</b> <b>Block I:</b> UTM co-ordinates N2367920 to N2368150 and E541365 to E5414965 and in <b>Block II:</b> UTM Co-ordinates N2368610 to 2368900 and E542460 to E542860.	<b>2018-19</b> <b>Block I:</b> UTM co-ordinates N2367900 to N2368248 and E541296 to E542007 and in <b>Block II:</b> UTM Co-ordinates N2368582 to 2368840 and E542510 to E542800.	Excess development in Block I is being done. Deviation has been pointed out.
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Topsoil/OB: 01 no. Mineral: 03 nos.	Topsoil/OB: 01 no. Mineral: 03 nos.	-
2c	Stripping ratio or ore to OB ratio	<b>2017-18:</b> 1:0.10 <b>2018-19:</b> 1:0.10	<b>2017-18:</b> 1: 0.03 <b>2018-19:</b> 1: 0.0 Up to Dec 2018	-
2d	Quantity of topsoil generation in m3	<b>2017-18:</b> 50200 m3 <b>2018-19:</b> 51940 m3	<b>2017-18:</b> 86898.57 m3 <b>2018-19:</b> NIL Up to Dec 2018	Excess generation of topsoil during 2017-18 due to working restriction in Block II
2e	Quantity of overburden generation in m3	<b>2017-18:</b> 35368.00 m3 <b>2018-19:</b> 35368.00 m3	<b>2017-18:</b> NIL <b>2018-19:</b> NIL	There is no OB/waste generated. Only Topsoil has been generated.

2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	NIL
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### **3.0 Exploitation**

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	02 nos. Block I and Block II	02 nos. Block I and Block II	-
3b	Quantity of ROM mineral production proposed	<b>2017-18:</b> 2399948.00 Metric Tonnes <b>2018-19:</b> 2399975.00 Metric Tonnes	<b>2017-18:</b> 2259822.76 Metric Tonnes <b>2018-19:</b> 1666853.10 Metric Tonnes Up to Dec 2018	-
3c	Recovery of salable/usable mineral from ROM production	100%	100%	-
3d	Quantity of mineral reject generation	As per approved document NIL quality of Mineral Reject will be generated.	NIL Quantity of Mineral Reject generated during 2017-18 and 2018-19 (Up to Dec 2018)	-
3e	Grade of mineral reject generation and threshold value declared	As per approved document NIL quality of Mineral Reject will be generated.	During 2017-18 54398.00 Metric tonnes Above 6% MgO	-
3f	Quantity of sub-grade mineral generation	As per approved document NIL quality of Sub-grade Mineral will be generated.	NIL Quantity of Sub-grade Mineral generated during 2017-18 and 2018-19 (Up to Dec 2018)	-
3g	Grade of sub-grade mineral generation	As per approved document NIL quality of Sub-grade Mineral will be generated.	NIL Quantity of Sub-grade Mineral generated during 2017-18 and 2018-19 (Up to Dec 2018)	-
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised Screening and Crushing.	Mechanised Screening and Crushing.	-
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	Spacing: 3.5 m Burden: 3.0 m Depth: 9.5 m Dia: 100 mm	Spacing: 3.5 m Burden: 3.0 m Depth: 9.5 m Dia: 100 mm	-

3k	Provision of mining machineries in mineral benches	<ol style="list-style-type: none"> <li>1. DTH/Wagon Drill: 03 nos. Capacity 100 mm dia.</li> <li>2. Shovel/Excavators: 04 nos. Capacity 3.8 cum bucket</li> <li>3. Dumpers: 10 nos. Capacity 50 Tone</li> <li>4. Dozer: 02 nos.</li> <li>5. Hydraulic rock breaker: 02 nos.</li> <li>6. Water tanker: 02 nos. Capacity 10000 liters</li> <li>7. Water Pump: 02 nos. Capacity 10 HP</li> <li>8. Explosive Van: 01 no.</li> <li>9. Jeep/Pool Car: 02 nos.</li> <li>10. Maintenance Van: 01 no.</li> <li>11. Ambulance: 01 no.</li> <li>12. Staff Bus: 01 no.</li> <li>13. C &amp; S Plant: 01 unit Capacity 800 TPH</li> </ol>	<ol style="list-style-type: none"> <li>14. DTH/Wagon Drill: 03 nos. Capacity 100 mm dia.</li> <li>15. Shovel/Excavators: 04 nos. Capacity 3.8 cum bucket</li> <li>16. Dumpers: 10 nos. Capacity 50 Tone</li> <li>17. Dozer: 02 nos.</li> <li>18. Hydraulic rock breaker: 02 nos.</li> <li>19. Water tanker: 02 nos. Capacity 10000 liters</li> <li>20. Water Pump: 02 nos. Capacity 10 HP</li> <li>21. Explosive Van: 01 no.</li> <li>22. Jeep/Pool Car: 02 nos.</li> <li>23. Maintenance Van: 01 no.</li> <li>24. Ambulance: 01 no.</li> <li>25. Staff Bus: 01 no.</li> </ol> <p>C &amp; S Plant: 01 unit Capacity 800 TPH</p>	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	OB/Topsoil: 4.0 m Mineral/Ore: 9.0 m	OB/Topsoil: 4.0 m Mineral/Ore: 9.0 m	-
3m	Total area covered under excavation/pits	25.0 Ha up the end of plan period	28.63 Ha. area has been utilised under working pit.	Deviation for excess utilization of the area has been pointed out.
3n	Ore to OB ratio for the pit/mine during the year	<b>2017-18:</b> 1:0.10 <b>2018-19:</b> 1:0.10	<b>2017-18:</b> 1: 0.03 <b>2018-19:</b> 1: 0.0 Up to Dec 2018	-

3o	Total area put in use under different heads at the end of year	Pit- 25.0 Ha. Waste/reject- 3.0 Ha. Others- 6.48 Ha.	Pit- 28.63 Ha. Waste/reject- 0.81 Ha. Others- 12.04 Ha.	Deviation for excess utilization of the area has been pointed out.
3p	Production of ROM mineral during last five-year period, as applicable (in Metric Tonnes)	Yr- 2014-15: 1740375.00 Metric Tonnes Yr- 2015-16: 2401400.00 Metric Tonnes Yr- 2016-17: 2399985.00 Metric Tonnes Yr- 2017-18: 2399948.00 Metric Tonnes Yr- 2018-19: 2399975.00 Metric Tonnes	Yr- 2014-15: 437418.650 Metric Tonnes Yr- 2015-16: 1448333.00 Metric Tonnes Yr- 2016-17: 1699171.08 Metric Tonnes Yr- 2017-18: 2259822.76 Metric Tonnes Yr- 2018-19: 1845964.910 Metric Tonnes (Up to January 2019)	-
3q	General remarks of inspecting officer on method of mining etc.	Deviation for excess utilization of the area has been pointed out.		

#### 4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	Proposal has been given in the approval document for separate dumping of Topsoil, OB & Mineral	Being done as per proposal	-
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	<b>Block I</b> <b>Topsoil/OB:</b> N2367300 to N2367400 & E542000 to E542200 And N2367100 to N2367300 & E541600 to 541800 <b>Mineral/Ore:</b> N2367200 to N2367400 & E541500 to E541700 <b>Block II</b> <b>Topsoil/OB:</b>	<b>Block I</b> <b>Topsoil/OB:</b> N2367300 to N2367400 & E542000 to E542200 And N2367100 to N2367300 & E541600 to 541800 <b>Mineral/Ore:</b> N2367200 to N2367400 & E541500 to E541700 <b>Block II</b> <b>Topsoil/OB:</b> N2368200 to	-

		N2368200 to N2368500 & E542800 to E 543100	N2368500 & E542800 to E 543100	
4c	Number of dumps within lease area and outside lease area	Within lease area: 03 nos. Outside lease area: NIL	Within lease area: 03 nos. Outside lease area: NIL	-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	Proposed beyond ultimate pit limit.	Being done as per proposal.	-
4e	Number of active & alive dumps	Topsoil/OB: 03 nos. Mineral: 01 no.	Topsoil/OB: 03 nos. Mineral: 01 no.	
4f	Number of dead dumps	Not proposed in the approved document	No dead dumps 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	Construction of Garland drain and a bund around waste dump has been proposed.	Constructed Garland drain and a bund around waste dump	-
4i	Length of Retaining wall or garland drain all along dump	Not mentioned in the approved document.	8586.20 meters of garland drain has been constructed along dump and lease boundary	-
4j	Number of settling ponds	Not proposed in the approved document	02 nos. of settling pond have been made.	-
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	Area not matured for backfilling.	Not applicable.	-
5b	Area under backfilling of mined out area	Area not matured for backfilling.	Not applicable.	-
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.	Topsoil has been utilised for plantation along the lease boundary.	-
5d	Total area fully reclaimed & rehabilitated	Area not matured for reclamation and rehabilitation.	Not applicable	-



5e	General remarks of inspecting officer on backfilling, reclamation etc	NIL
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### 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.	Annual report on PMCP has been submitted on time	Annual report on PMCP has been submitted on time in the prescribed format.	-
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	NIL 1000 nos. 1000 nos. 2000 nos. NIL Not Mentioned	NIL 3217 nos. 5300 nos. 8517 nos. NIL NIL	-
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	Area not matured for reclamation and rehabilitation.	Not applicable	-
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	2000 nos. 2.0 ha. Afforestation	8517 nos. 4.80 Ha. Afforestation	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposal has been given in the approved document for Compliance of Environmental monitoring in core and buffer zone.	<b>Core Zone:</b> Near Mines office. <b>Buffer Zone:</b> 1. Hardi Village 2. Ghikuria Village 3. Nandini-Khundini 4. Pitora Village.	

6f	General remarks of inspecting officer on PMCP compliance & progressive	NIL
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### **7.0 Mineral Conservation**

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Mechanised screening and crushing.	2017-18: 2259822.760 Metric Tonnes 2018-19: 1845964.91 Metric Tonnes (Up to January 2019) Sorting by Mechanised screening and crushing	-
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanised screening and crushing.	Sorting is being done by Mechanised screening and crushing	-
7c	Different grade of mineral sorted out at mines	Not proposed in the approved document.	Not applicable	-
7d	Any beneficiation process at mines	Not proposed in the approved document.	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 concurrent use of topsoil.	Topsoil has been utilised for plantation along the lease boundary.	-
8b	Concurrent use or storage of topsoil	Proposal has been given in the approved document for separate removal concurrent use of topsoil.	Topsoil has been utilised for plantation along the lease boundary.	-
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	OB/Topsoil: 03 nos. Mineral: 01 no.	OB/Topsoil: 03 nos. Mineral: 01 no.	-

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposal has not been given in the approved document.	Area not matured for reclamation and rehabilitation.	-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposal has not been given in the approved document.	Area not matured for reclamation and rehabilitation.	-
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	2017-18: 1000 nos. 2018-19: 1000 nos.	2017-18: 3217 nos. 2018-19: 5300 nos.	-
8g	Survival rate	Not mentioned in the approved document.	80%	-
8h	Water sprinkling on roads to control airborne dust	Proposal has been given for water sprinkling on roads to control airborne dust through water tanker.	Being done 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 – January 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	<b>Mining Engineer:</b> Shri B.L. Bhati <b>Geologist:</b> Shri V. K. Singh <b>Manager:</b> Shri B. L. Bhati	<b>Mining Engineer:</b> Shri B.L. Bhati <b>Geologist:</b> Shri V. K. Singh <b>Manager:</b> Shri B. L. Bhati	NIL
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- 25.0 Ha. Waste/reject- 3.0 Ha. Others- 6.48 Ha.	Pit- 28.63 Ha. Waste/reject- 0.81 Ha. Others- 12.04 Ha. (Information has been obtained from the recently approved Review of Mining Plan)	Deviation for excess utilization of the area has been pointed out.
9d	Scrutiny of Annual return on afforestation	5300 nos.	5300 nos.	NIL

9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	54398.00 Metric tonnes Above 6% MgO	54398.00 Metric tonnes Above 6% MgO	NIL
9f	Scrutiny of Annual return on ROM stock and/or graded ore	0.0 Metric Tonnes.	0.0 Metric Tonnes	As per monthly return of January 2019
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale Value: NIL (Captive Consumption) Ex. Mine Price: Rs. 237.00 Per Metric Tonnes Production Cost: Rs 238 Per Metric Tonnes	Sale Value: NIL (Captive Consumption) Ex. Mine Price: Rs. 237.00 Per Metric Tonnes Production Cost: Rs 238 Per Metric Tonnes	NIL
9i	Scrutiny of Annual return on fixed assets	Rs. 557054318.00	Rs. 557054318.00	NIL
9k	Scrutiny of Annual return on mining machineries	Given in the Annual returns	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. R. K. Das, Sr. ACOM, Date of Inspection: 15/01/2018

Details of the Violations Pointed-out during Inspections:

नियम	उल्लंघन के प्रकार का विस्तृत ब्योरा
नियम संख्या 11(1)	<p>The following deviations have been found in the mine from the approved Modified Mining Plan vide letter no. DRG/LST/MPLN-355/NGP/2016/31-RPR Raipur dated 21/07/2016 for the period of 2016-17 to 2018-19:</p> <p><b>Development F.Y. 2018-19:</b> The production and development during 2018-19 has been proposed in Block I in-between UTM co-ordinates N2367920 to N2368150 and E541365 to E5414965 and in Block II in-between UTM Co-ordinates N2368610 to 2368900 and E542460 to E542860.</p> <p>Whereas, production and development during 2018-19 is being carried out in Block I in-between UTM co-ordinates N2367900 to N2368248 and E541296 to E542007 and in Block II in-between UTM Co-ordinates N2368582 to 2368840 and E542510 to E542800.</p> <p>Hence excess development in Block I is being done.</p> <p><b>Financial Assurance:</b> In the ttable of Financial Assurance, it has been mentioned that 34.48 Ha. area will be utilized in all heads up to the end of MMP period i.e. up to 31/03/2019 whereas, 41.48 Ha. area in all heads has been utilized so far. Hence without any proposal excess area has been utilized.</p>

**Note:** Validation of the Star Ratings for the F.Y. 2017-18 has been done during inspection

(Name of the Inspecting Officer and Designation and Date)

Shri Shaival Kartikeya  
Jr. Mining Geologist  
Indian Bureau of Mines, Raipur  
Date of Inspection: 10/12/2018