

**INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT AND REGULATION DIVISION**

MCDR INSPECTION REPORT

Bhubaneshwar regional office

Mine file No : ORI/GRPH/BLG/MCDR-63/BBS

Mine code : 28ORI03084

- (i) Name of the Inspecting : **SRM**) **SHRI SUDIP RANJAN MAZUMDAR**
Officer and ID No.
- (ii) Designation : Senior Mining Geologist
- (iii) Accompanying mine : Shri S K Mishra, Power of Attorney Holder
Official with
Designation
- (iv) Date of Inspection : 12/04/2018
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **AINLAPALI(14.937)**
- (b) **Registration NO.** : **IBM/115/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
- State : ORISSA
- District : BOLANGIR
- Village :
- Taluka :
- Post office :
- Pin Code :
- FAX No. :
- E-mail : sureshmishrabgr@gmail.com
- Phone : 0947241725,7008696881
- (f) Police Station : BELPARA
- (g) First opening date : 17/04/2007
- (h) Weekly day of rest : SUN
2. Address for : AT/PO-AINAPALI, VIA-BELPARA
correspondance DIST-BOLANGIR
PIN-767058
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
4. Mineral worked : GRAPHITE Main

5. Name and Address of the

Lessee : Antaryami Mishra
 At- Thikadarpada P.O./Dist
 -Balangir Odisha BOLANGIR
 ORISSA
 Phone:9437241725
 FAX :NA

Owner : ANTARYAMI MISHRA
 AT/PO-AINAPALI, VIA-BELPARA
 DIST-BOLANGIR BOLANGIR
 ORISSA
 Phone: 0947241725,7008
 FAX :

Mining Engineer

Name : APURBA RANJAN RAY,Full Time
 Qualification : AMIE in Mining Engg
 Appointment/ : 01/06/2018
 Termination date

Geologist

Name : Saidatta Das,Full Time
 Qualification : M.Sc Geology
 Appointment/ : 01/06/2018
 Termination date

6. Date of approval of Mining : Mining Scheme rule 12 MCDR1988 26/04/2012
 Plan/Scheme of Mining

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

| Sl.No. | Item | Proposals | Actual work | Remarks |
|--------|---|-------------------|--|--|
| 1a | Backlog of previous year | No valid proposal | There was no valid document for the period 2017-18 | There was no valid document for the period 2017-18 |
| 1b | Exploration over lease area for geological axis 1 or 2 | No valid proposal | There was no valid document for the period 2017-18 | There was no valid document for the period 2017-18 |
| 1c | Exploration Agencies and Expenditure in lakh rupees during the year | No valid proposal | There was no valid document for the period 2017-18 | There was no valid document for the period 2017-18 |
| 1d | Balance area to be explored to bring Geological axis in 1 or 2 | No valid proposal | There was no valid document for the period 2017-18 | There was no valid document for the period 2017-18 |
| 1e | Balance reserve as on 01/04/20 | No valid proposal | Nil | There was no valid document for the period 2017-18 |

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|----|--|--------------|---|---|
| 1f | General remarks of inspecting officers on geology, exploration etc | Not Proposed | There was no valid document for the period 2017-18 and the mine was in non-working condition. | In the proceedings of Govt. of Odisha vide letter no-II(GR) SM-151/2015/1611/SM, Bhubaneswar dated 07.03.2018, it is stated that mining operation in the said mining lease was suspended by Mining Officer, Bolangir dt 28.10.2009 due to want of statutory clearances. Accordingly, the mining lease was declared lapsed vide Govt. Proceedings No. 9721 dt 30.09.2015 u/s 4A (4) of MMDR Act,1957. However, the Govt. revived the mining lease u/r 20(7) of MC Rules, 2016 with effect from 07.03.2018. |
|----|--|--------------|---|---|

Development :

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|-------------------|-------------|--|
| 2a | Location of development w.r.t.lease area | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 2b | Separate benches in topsoil, overburden and minerals (Rule 15) | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 2c | Stripping ratio or ore to OB ratio | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 2d | Quantity of topsoil generation in m3 | No valid proposal | Nil | There was no valid document for the period 2017-18 |

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|----|---|-------------------|---|---|
| 2e | Quantity of overburden generation in m3 | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 2f | General remarks of inspecting officers on development of pit w.r.t. type of deposit etc | Not Proposed | There was no valid document for the period 2017-18 and the mine was in non-working condition. | In the proceedings of Govt. of Odisha vide letter no-II(GR) SM-151/2015/1611/SM, Bhubaneswar dated 07.03.2018, it is stated that mining operation in the said mining lease was suspended by Mining Officer, Bolangir dt 28.10.2009 due to want of statutory clearances. Accordingly, the mining lease was declared lapsed vide Govt. Proceedings No. 9721 dt 30.09.2015 u/s 4A (4) of MMDR Act,1957. However, the Govt. revived the mining lease u/r 20(7) of MC Rules, 2016 with effect from 07.03.2018. |

Exploitation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|--|-------------|---------|
| 3a | Number of pit proposed for production | No valid document for the period 2017-18 | Nil | Nil |
| 3b | Quantity of ROM mineral production proposed | No valid document for the period 2017-18 | Nil | Nil |

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|----|--|--|-----|-----|
| 3c | Recovery of sailable/usable mineral from ROM production | No valid document for the period 2017-18 | Nil | Nil |
| 3d | Quantity of mineral reject generation | No valid document for the period 2017-18 | Nil | Nil |
| 3e | Grade of mineral rejects generation and threshold value declared. | No valid document for the period 2017-18 | Nil | Nil |
| 3f | Quantity of sub grade mineral generation. | No valid document for the period 2017-18 | Nil | Nil |
| 3g | Grade of sub grade mineral generation | No valid document for the period 2017-18 | Nil | Nil |
| 3h | Manual / Mechanised method adopted for segregating from ROM | No valid document for the period 2017-18 | Nil | Nil |
| 3i | Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects. | No valid document for the period 2017-18 | Nil | Nil |
| 3j | Provision of drilling and blasting in mineral benches | No valid document for the period 2017-18 | Nil | Nil |
| 3k | Provision of mining machineries in mineral benches | No valid document for the period 2017-18 | Nil | Nil |
| 3l | Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM | No valid document for the period 2017-18 | Nil | Nil |

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|----|--|--|---|---|
| 3m | Total area covered under excavation/pits | No valid document for the period 2017-18 | Nil | Nil |
| 3n | Ore to OB ratio for the pit/mine during the year. | No valid document for the period 2017-18 | Nil | Nil |
| 3o | Total area put in use under different heads at the end of year | No valid document for the period 2017-18 | Nil | Nil |
| 3p | Production of ROM mineral during the last five year period as applicable | No valid document for the period 2017-18 | Nil | Nil |
| 3q | General remarks of inspecting officers on method of mining etc. | Not Proposed | There was no valid document for the period 2017-18 and the mine was in non-working condition. | In the proceedings of Govt. of Odisha vide letter no-II(GR) SM-151/2015/1611/SM, Bhubaneswar dated 07.03.2018, it is stated that mining operation in the said mining lease was suspended by Mining Officer, Bolangir dt 28.10.2009 due to want of statutory clearances. Accordingly, the mining lease was declared lapsed vide Govt. Proceedings No. 9721 dt 30.09.2015 u/s 4A (4) of MMDR Act,1957. However, the Govt. revived the mining lease u/r 20(7) of MC Rules, 2016 with effect from 07.03.2018. |

Solid Waste Management - Dumping:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|--|-------------------|-------------|--|
| 4a | Separate dumping of topsoil, OB and mineral rejects (Rule 32,33) | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 4b | Location of topsoil, OB and mineral reject dumps | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 4c | Number of dumps within lease area and outside of lease area | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 4d | Location of dumps w.r.t. ultimate pit limit (Rule 16) | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 4e | Number of active and alive dumps. | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 4f | Number of dead dumps. | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 4g | Number of dumps established. | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 4h | Whether Retaining wall or garland drain all along dumps are there. | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 4i | Length of Retaining wall or garland drain all along dumps | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 4j | Number of settling ponds | No valid proposal | Nil | There was no valid document for the period 2017-18 |

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|----|--|--------------|---|---|
| 4k | Specific comments of inspecting officer on waste dump management | Not proposed | There was no valid document for the period 2017-18 and the mine was in non-working condition. | In the proceedings of Govt. of Odisha vide letter no-II(GR) SM-151/2015/1611/SM, Bhubaneswar dated 07.03.2018, it is stated that mining operation in the said mining lease was suspended by Mining Officer, Bolangir dt 28.10.2009 due to want of statutory clearances. Accordingly, the mining lease was declared lapsed vide Govt. Proceedings No. 9721 dt 30.09.2015 u/s 4A (4) of MMDR Act,1957. However, the Govt. revived the mining lease u/r 20(7) of MC Rules, 2016 with effect from 07.03.2018. |
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Solid Waste Management - Backfilling:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|-------------------|-------------|--|
| 5a | Status of part or full extraction of mineral from mined out area before starting backfilling. | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 5b | Area under backfilling of mined out area | No valid proposal | Nil | There was no valid document for the period 2017-18 |

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|----|---|-------------------|---|---|
| 5c | Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32) | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 5d | Total area fully reclaimed and rehabilitated | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 5e | General remarks of inspecting officers on backfilling and reclamation etc. | Not Proposed | There was no valid document for the period 2017-18 and the mine was in non-working condition. | In the proceedings of Govt. of Odisha vide letter no-II(GR) SM-151/2015/1611/SM, Bhubaneswar dated 07.03.2018, it is stated that mining operation in the said mining lease was suspended by Mining Officer, Bolangir dt 28.10.2009 due to want of statutory clearances. Accordingly, the mining lease was declared lapsed vide Govt. Proceedings No. 9721 dt 30.09.2015 u/s 4A (4) of MMDR Act,1957. However, the Govt. revived the mining lease u/r 20(7) of MC Rules, 2016 with effect from 07.03.2018. |

Progressive Mine Clousre Plan:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|------|-----------|-------------|---------|
|--------|------|-----------|-------------|---------|

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|----|--|-------------------|-----|--|
| 6a | Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2). | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 6b | Area available for rehabilitation (ha) . | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 6c | afforestation done (ha). | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 6d | No. of saplings planted during the year | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 6e | Cumulative no .of plants | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 6f | Any other method of rehabilitation | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 6g | Cost incurred on watch and care during the year | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 6h | Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 6i | Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 6j | Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area | No valid proposal | Nil | There was no valid document for the period 2017-18 |

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|----|--|-------------------|-----|--|
| 6k | Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 6l | Compliance on reclamation and rehabilitation by backfilling (v)any other specific means. | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 6m | Compliance of rehabilitation of waste land within lease (i)afforestation | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 6n | Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha) | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 6o | Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 6p | Compliance of environmental monitoring (core zone and buffer zone) | No valid proposal | Nil | There was no valid document for the period 2017-18 |

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|----|---|--------------|---|---|
| 6q | General remarks of inspecting officers on PMCP compliance and progressive closure operations etc. | Not Proposed | There was no valid document for the period 2017-18 and the mine was in non-working condition. | In the proceedings of Govt. of Odisha vide letter no-II(GR) SM-151/2015/1611/SM, Bhubaneswar dated 07.03.2018, it is stated that mining operation in the said mining lease was suspended by Mining Officer, Bolangir dt 28.10.2009 due to want of statutory clearances. Accordingly, the mining lease was declared lapsed vide Govt. Proceedings No. 9721 dt 30.09.2015 u/s 4A (4) of MMDR Act,1957. However, the Govt. revived the mining lease u/r 20(7) of MC Rules, 2016 with effect from 07.03.2018. |
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Mineral Conservation:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|-------------------|-------------|--|
| 7a | ROM Mineral dispatch or grade-wise sorting within lease area | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 7b | Method of grade-wise mineral sorting i.e. manual or mechanical. | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 7c | Different grade of mineral sorted out at mines. | No valid proposal | Nil | There was no valid document for the period 2017-18 |

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|----|--|-------------------|---|---|
| 7d | Any beneficiation process at mines . | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 7e | General remarks of inspecting officer on Mineral conservation and beneficiation issues | Not Proposed | There was no valid document for the period 2017-18 and the mine was in non-working condition. | In the proceedings of Govt. of Odisha vide letter no-II(GR) SM-151/2015/1611/SM, Bhubaneswar dated 07.03.2018, it is stated that mining operation in the said mining lease was suspended by Mining Officer, Bolangir dt 28.10.2009 due to want of statutory clearances. Accordingly, the mining lease was declared lapsed vide Govt. Proceedings No. 9721 dt 30.09.2015 u/s 4A (4) of MMDR Act,1957. However, the Govt. revived the mining lease u/r 20(7) of MC Rules, 2016 with effect from 07.03.2018. |

Environment :

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|-------------------|-------------|--|
| 8a | Separate removal and utilization of topsoil (Rule 32) | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 8b | Concurrent use or storage of topsoil | No valid proposal | Nil | There was no valid document for the period 2017-18 |

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|----|---|-------------------|-----|--|
| 8c | Separate dumps for overburden, waste rock, rejects and fines (Rule 33) | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 8d | Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 8e | Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc) | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 8f | Baseline information on existence of plantation and additional plantation done (Rule 41) | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 8g | Survival rate | No valid proposal | Nil | There was no valid document for the period 2017-18 |
| 8h | Water sprinkling on roads to control airborne dust | No valid proposal | Nil | There was no valid document for the period 2017-18 |

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|----|--|--------------|---|---|
| 8i | General remarks of inspecting officer on aesthetic beauty in and around mines area | Not Proposed | There was no valid document for the period 2017-18 and the mine was in non-working condition. | In the proceedings of Govt. of Odisha vide letter no-II(GR) SM-151/2015/1611/SM, Bhubaneswar dated 07.03.2018, it is stated that mining operation in the said mining lease was suspended by Mining Officer, Bolangir dt 28.10.2009 due to want of statutory clearances. Accordingly, the mining lease was declared lapsed vide Govt. Proceedings No. 9721 dt 30.09.2015 u/s 4A (4) of MMDR Act,1957. However, the Govt. revived the mining lease u/r 20(7) of MC Rules, 2016 with effect from 07.03.2018. |
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Compliance of Rule 45:

| Sl.No. | Item | Propasals | Actual work | Remarks |
|--------|---|-----------------------------|---|---|
| 9a | Status of submission of Monthly and Annual returns | Not submitted | There was no valid document for the period 2017-18 and the mine was in non-working condition. | There was no valid document for the period 2017-18 and the mine was in non-working condition. |
| 9b | Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager | Annual return not submitted | There was no valid document for the period 2017-18 and the mine was in non-working condition. | There was no valid document for the period 2017-18 and the mine was in non-working condition. |

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| 9c | Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc. | Annual return not submitted | There was no valid document for the period 2017-18 and the mine was in non-working condition. | There was no valid document for the period 2017-18 and the mine was in non-working condition. |
| 9d | Scrutiny of Annual return on afforestation | Annual return not submitted | There was no valid document for the period 2017-18 and the mine was in non-working condition. | There was no valid document for the period 2017-18 and the mine was in non-working condition. |
| 9e | Scrutiny of Annual return on mineral reject generation (Grade and quantity) | Annual return not submitted | There was no valid document for the period 2017-18 and the mine was in non-working condition. | There was no valid document for the period 2017-18 and the mine was in non-working condition. |
| 9f | Scrutiny of Annual return on ROM stock and/or graded ore | Annual return not submitted | There was no valid document for the period 2017-18 and the mine was in non-working condition. | There was no valid document for the period 2017-18 and the mine was in non-working condition. |
| 9g | Scrutiny of Annual return on sale value, Ex. Mine price and production cost | Annual return not submitted | There was no valid document for the period 2017-18 and the mine was in non-working condition. | There was no valid document for the period 2017-18 and the mine was in non-working condition. |
| 9h | Scrutiny of Annual return on fixed assets | Annual return not submitted | There was no valid document for the period 2017-18 and the mine was in non-working condition. | There was no valid document for the period 2017-18 and the mine was in non-working condition. |

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|----|---|-----------------------------|---|---|
| 9k | Scrutiny of Annual return on mining machineries | Annual return not submitted | There was no valid document for the period 2017-18 and the mine was in non-working condition. | In the proceedings of Govt. of Odisha vide letter no-II(GR) SM-151/2015/1611/SM, Bhubaneswar dated 07.03.2018, it is stated that mining operation in the said mining lease was suspended by Mining Officer, Bolangir dt 28.10.2009 due to want of statutory clearances. Accordingly, the mining lease was declared lapsed vide Govt. Proceedings No. 9721 dt 30.09.2015 u/s 4A (4) of MMDR Act,1957. However, the Govt. revived the mining lease u/r 20(7) of MC Rules, 2016 with effect from 07.03.2018. |
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Details of violations observed during current inspection and compliance position of violation pointed out

| Violation observed | | Show cause position | |
|--------------------|-------------------------|---------------------|-------------------------|
| Rule NO. | Issued on Compliance on | Rule NO. | Issued on Compliance on |

Date :

(SHRI SUDIP RANJAN MAZUMDAR)

Indian Bureau of Mines