

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

**Inspection under SDF for star rating of mines REPORT**

**Ranchi regional office**

**Mine file No :** BIH/PAL/GRP/559/RRO

**Mine code :** 28BHR18010

- (i) Name of the Inspecting : **R002** ) **RAGHVENDRA KUMAR**  
Officer and ID No.
- (ii) Designation : Assistant Mining Engineer
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 31/03/2023
- (v) Prev.inspection date : 27/06/2022

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MURMA (MLA 5023 )**
- (b) **Registration NO.** : **IBM/153/2011**
- (c) **Category** : **A Other than Fully Mech.**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**  
**State** : **JHARKHAND**  
**District** : **PALAMAU**  
**Village** : **MURMA**  
**Taluka** : **TUMBAGADA**  
**Post office** : **TUMBAGADA**  
**Pin Code** :  
**FAX No.** : **0651- 2212971**  
**E-mail** : **cgirnc@yahoo.com, cgirnc@g**  
**Phone** : **0651-2214478, 2213295**
- (f) **Police Station** : **DALTONGANJ**
- (g) **First opening date** : **07/04/1990**
- (h) **Weekly day of rest** : **WED**
2. **Address for** : **VILL-MURMA, PO-TUMBAGARHA,**  
**correspondance** : **TAHSIL- SATBARWA, P.S- DALTONGANJ**  
: **P.O.- SATBARWA, DIST.: PALAMAU- 822101(JHK)**
3. (a) **Lease Number** : **BHR0086**
- (b) **Lease area** : **4.93**
- (c) **Period of lease** : **50**
- (d) **Date of Expiry** : **04/03/2040**
4. **Mineral worked** : **GRAPHITE** **Main**

## 5. Name and Address of the

Lessee : K.K.PODAR  
 PODDAR HOUSE BARIATU ROAD,  
 P.S. BARIATU RANCHI RANCHI  
 JHARKHAND  
 Phone:0651-2313248  
 FAX :

Owner : K.K.PODDAR  
 PODDAR HOUSE BARIATU ROAD,  
 P.S. BARIATU RANCHI RANCHI  
 JHARKHAND  
 Phone: 0651-2313248  
 FAX :

Agent : SRI SHAILENDRA PRASAD  
 C/O SRI K.K.PODDAR, 3P,  
 SHREE GOPAL COMPLEX, COURT  
 ROAD RANCHI- 834001 RANCHI  
 JHARKHAND  
 Phone: 0651-2214478, 2213295  
 FAX : 0651- 2212971

## Geologist

Name : MD KHALID,Full Time  
 Qualification : MSc.GEO  
 Appointment/ : 25/01/2019  
 Termination date

## Geologist

Name : Biswajit Kundu,Full Time  
 Qualification : M. Sc. in Applied Geology  
 Appointment/ : 01/12/2021  
 Termination date

## Manager

Name : KAMALUDDIN KHALIFA  
 Qualification : DIP IN MINING  
 Appointment/ : 25/01/2019  
 Termination date

6. Date of approval of Mining	:	Existing rule 11 MCDR1988	20/03/1995
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	18/03/2002
		PMCP under 23B(2) for MS	20/04/2005
		Renewal under rule 24 MCR1960	15/05/2006
		MP modif under MCR 1960	21/12/2015
		MP review under 17(1) MCR 2016	16/11/2020

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	NIL	NIL	NIL
1b	Exploration over lease area for geological axis 1 or 2	5 Coring type Borehole 100×100 grid interval	Nil	Mine is temporarily closed from August 2020, Form - E is submitted. Mine was suspended under provision of rule 11(2) on 16/04/2021 and order of suspension was revoked on 16/03/2022. Mine is not in operation till date hence violation letter has not been issued.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	NIL	NIL
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	NIL	NIL
1e	Balance reserve as on 01/04/20	409031MT	NIL	NIL
1f	General remarks of inspecting officers on geology, exploration etc	Proposed 5 Coring type Borehole 100×100 grid interval in 2021-22.	Nil	Mine is temporarily closed from August 2020, Form - E is submitted. Mine was suspended under provision of rule 11(2) on 16/04/2021 and order of suspension was revoked on 16/03/2022. Mine is not in operation till date hence violation letter has not been issued.

## Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It is proposed in quarry no 1, further extend towards south eastern direction with seven benches in sections 3-3' from RL 306.50m-268m.	Nil	Mine is temporarily closed from August 2020, Form - E is submitted. Mine was suspended under provision of rule 11(2) on 16/04/2021 and order of suspension was revoked on 16/03/2022. Mine is not in operation.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	OB- 6m×6m, Mineral- 6m×6m	Nil	Nil
2c	Stripping ratio or ore to OB ratio	1:0.88	Nil	Nil
2d	Quantity of topsoil generation in m3	Nil	Nil	Nil
2e	Quantity of overburden generation in m3	15787	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	It is proposed in quarry no 1, further extend towards south eastern direction with seven benches in sections 3-3' from RL 306.50m-268m.	Nil	Mine is temporarily closed from August 2020, Form - E is submitted. Mine was suspended under provision of rule 11(2) on 16/04/2021 and order of suspension was revoked on 16/03/2022. Mine is not in operation.

## Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	Quarry no 1	Nil	Mine is temporarily closed from August 2020, Form - E is submitted. Mine was suspended under provision of rule 11(2) on 16/04/2021 and order of suspension was revoked on 16/03/2022. Mine is not in operation.
3b	Quantity of ROM mineral production proposed	44741 Ton	Nil	Mine is temporarily closed from August 2020, Form - E is submitted. Mine was suspended under provision of rule 11(2) on 16/04/2021 and order of suspension was revoked on 16/03/2022. Mine is not in operation.
3c	Recovery of sailable/usable mineral from ROM production	40268 Ton	Nil	Nil
3d	Quantity of mineral reject generation	4473 Ton	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	Nil
3f	Quantity of sub grade mineral generation.	Nil	Nil	Nil
3g	Grade of sub grade mineral generation	Nil	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Nil	Nil

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	Nil
3j	Provision of drilling and blasting in mineral benches	Nil	Nil	Instead of blasting, Crackamite & rock breaker will be used in this area for breaking or cracking of the OB.
3k	Provision of mining machineries in mineral benches	NIL	NIL	NIL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6m	Mine is not in operation from August 2020.	Mine is temporarily closed from August 2020, Form - E is submitted. Mine was suspended under provision of rule 11(2) on 16/04/2021 and order of suspension was revoked on 16/03/2022. Mine is not in operation till date hence violation letter has not been issued.
3m	Total area covered under excavation/pits	2.08 ha.	2.0 ha.	Nil
3n	Ore to OB ratio for the pit/mine during the year.	1:0.88	Nil	Nil

3o	Total area put in use under different heads at the end of year	4.930 Ha.	Nil		Mine is temporarily closed from August 2020, Form - E is submitted. Mine was suspended under provision of rule 11(2) on 16/04/2021 and order of suspension was revoked on 16/03/2022. Mine is not in operation till date.
3p	Production of ROM mineral during the last five year period as applicable	2017-18 41761 2018-19 42155 2019-20 53166 2020-21 34024 2021-22 40268	2017-18 0 2018-19 2700 2019-20 11618 2020-21 2415 2021-22 0		Mine is temporarily closed from August 2020, Form - E is submitted.
3q	General remarks of inspecting officers on method of mining etc.	Proposed to work in Quarry no 1 in 2021-22, 44741 Ton of ROM production proposed.	Nil		Mine is temporarily closed from August 2020, Form - E is submitted. Mine was suspended under provision of rule 11(2) on 16/04/2021 and order of suspension was revoked on 16/03/2022. Mine is not in operation.

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Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Only Backfill	Nil	Nil
4b	Location of topsoil, OB and mineral reject dumps	Nil	Nil	Nil
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	Only Backfill

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Eastern Side	Nil	NIL
4e	Number of active and alive dumps.	1	1	Nil
4f	Number of dead dumps.	1	1	Nil
4g	Number of dumps established.	NIL	NIL	NIL
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes	Nil
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	Nil
4j	Number of settling ponds	Nil	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	Only Backfill proposed	Nil	Mine is temporarily closed from August 2020, Form - E is submitted. Mine was suspended under provision of rule 11(2) on 16/04/2021 and order of suspension was revoked on 16/03/2022. Mine is not in operation.

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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.	NIL	NIL	NIL
5b	Area under backfilling of mined out area	0.10 Hectare	0.04	NIL



5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	Nil
5d	Total area fully reclaimed and rehabilitated	0.10	0.04	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Backfilling over 0.10 Ha.	0.04 ha.	Mine is temporarily closed from August 2020, Form - E is submitted. Mine was suspended under provision of rule 11(2) on 16/04/2021 and order of suspension was revoked on 16/03/2022.

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Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	Yes	NIL
6b	Area available for rehabilitation (ha) .	Nil	Nil	Nil
6c	afforestation done (ha).	0.10	0.04	Nil
6d	No. of saplings planted during the year	500 nos.	Nil	Mine is temporarily closed from August 2020, Form - E is submitted. Mine was suspended under provision of rule 11(2) on 16/04/2021 and order of suspension was revoked on 16/03/2022. Mine is not in operation.

6e	Cumulative no .of plants	Nil	Nil	Nil
6f	Any other method of rehabilitation	NIL	NIL	NIL
6g	Cost incurred on watch and care during the year	Rs. 50,000	Nil	Mine is temporarily closed from August 2020, Form - E is submitted. Mine was suspended under provision of rule 11(2) on 16/04/2021 and order of suspension was revoked on 16/03/2022. Mine is not in operation.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	1.98ha	0.10ha	Transit challan has been stopped from 05.03.2020 by the DMO, Palamu alleging compensation under section 21(5) of MMDR act, based on misinterpretation of the supreme court judgement on 02.08.2017.Mine not working.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Nil	Nil	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	Nil

6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Nil	Nil	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	500nos	nil	Transit challan has been stopped from 05.03.2020 by the DMO, Palamu alleging compensation under section 21(5) of MMDR act, based on misinterpretation of the supreme court judgement on 02.08.2017.No work.
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Nil	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Nil	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Rs 65000/-	Rs 50000/-	Mine is temporarily closed from August 2020, Form - E is submitted. Mine was suspended under provision of rule 11(2) on 16/04/2021 and order of suspension was revoked on 16/03/2022. Mine is not in operation.

6q	General remarks - of inspecting officers on PMCP compliance and progressive closure operations etc.		Mine is temporarily closed from August 2020, Form - E is submitted. Mine was suspended under provision of rule 11(2) on 16/04/2021 and order of suspension was revoked on 16/03/2022. Mine is not in operation.	Transit challan has been stopped from 05.03.2020 by the DMO, Palamu alleging compensation under section 21(5) of MMDR act, based on misinterpretation of the supreme court judgement on 02.08.2017.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	Nil	Nil
7b	Method of grade- wise mineral sorting i.e. manual or mechanical.	Nil	Nil	Nil
7c	Different grade of mineral sorted out at mines.	Nil	Nil	Nil
7d	Any beneficiation process at mines .	NO	NO	Nil
7e	General remarks - of inspecting officer on Mineral conservation and beneficiation issues		Mine is temporarily closed from August 2020, Form - E is submitted. Mine was suspended under provision of rule 11(2) on 16/04/2021 and order of suspension was revoked on 16/03/2022. Mine is not in operation.	Transit challan has been stopped from 05.03.2020 by the DMO, Palamu alleging compensation under section 21(5) of MMDR act, based on misinterpretation of the supreme court judgement on 02.08.2017. There is no mineral conservation and beneficiation issues.

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Environment:

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Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	No generation of topsoil only OB and SB.Transit challan has been stopped from 05.03.2020 by the DMO, Palamu alleging compensation under section 21(5) of MMDR act, based on misinterpretation of the supreme court judgement on 02.08.2017.
8b	Concurrent use or storage of topsoil	Nil	Nil	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	Proposal for backfilling
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	NIL	NIL
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	0.10	0.04	Backfilling
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	500nos.	Nil	Mine is temporarily closed from August 2020, Form - E is submitted. Mine was suspended under provision of rule 11(2) on 16/04/2021 and order of suspension was revoked on 16/03/2022. Mine is not in operation.

8g	Survival rate	90%	Nil	Mine is temporarily closed from August 2020, Form - E is submitted. Mine was suspended under provision of rule 11(2) on 16/04/2021 and order of suspension was revoked on 16/03/2022. Mine is not in operation.
8h	Water sprinkling on roads to control airborne dust	Proposed.	Nil	Mine is temporarily closed from August 2020, Form - E is submitted. Mine was suspended under provision of rule 11(2) on 16/04/2021 and order of suspension was revoked on 16/03/2022. Mine is not in operation.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	nil	Aesthetic beauty in and around mines area is good.	Mine is temporarily closed from August 2020, Form - E is submitted. Mine was suspended under provision of rule 11(2) on 16/04/2021 and order of suspension was revoked on 16/03/2022. Mine is not in operation.

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Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly Return submitted upto may 2022. Annual Return submitted upto march 2022	FOUND CORRECT	NIL

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9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Mining Engineer :Sri Subham Prasad & Geologist in charge Sri Biswajit Kundu	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C)Workings 2.39ha.,Used for waste disposal 0.40ha,Occupied by plant, buildings, residential, welfare buildings & roads 0.185ha.	Covered under current (O/C)Workings around 2.00ha.	Nil
9d	Scrutiny of Annual return on afforestation	Nil	Nil	Mine is temporarily closed from August 2020, Form - E is submitted. Mine was suspended under provision of rule 11(2) on 16/04/2021 and order of suspension was revoked on 16/03/2022. Mine is not in operation.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	Mine is temporarily closed from August 2020, Form - E is submitted. Mine was suspended under provision of rule 11(2) on 16/04/2021 and order of suspension was revoked on 16/03/2022. Mine is not in operation.

9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock NIL,less than 40% fixed carbon Graded ore opening and closing stock 4283.10MT.	Found correct.	Transit challan has been temporarily stopped as such production was stopped in August 2020. Mine is temporarily closed from August 2020, Form - E is submitted to IBM, Ranchi.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value,Ex Mine Price and Production cost NIL	Found correct.	Transit challan has been temporarily stopped as such production was stopped in August 2020. Mine is temporarily closed from August 2020, Form - E is submitted to IBM, Ranchi.
9h	Scrutiny of Annual return on fixed assets	NIL	Not given in Annual Return	Advised lessee to give fixed assets in Annual Return.
9k	Scrutiny of Annual return on mining machineries	AIR COMPRESSOR 8.490 CUM/MN 2os ,Non Electrical DUMPER 10.000 TONNE 4nos, Non Electrical OTHER HEM MACHINERY 242.000 1 Non Electrical opencast OTHER HEM MACHINERY 100.000 1 Non Electrical Opencast GENERATOR (DIESEL) 20.000 KWH 1 Non Electrical Opencast PUMPS (ELEC.) 1320.000 L/MN 4 ,Electrical OTHER HEM MACHINERY 148.000 1 Non Electrical	Mine is temporarily closed from August 2020, Form - E is submitted.	Mine was suspended under provision of rule 11(2) on 16/04/2021 and order of suspension was revoked on 16/03/2022. Mine is not in operation.



**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 :**

(RAGHVENDRA KUMAR)

Indian Bureau of Mines