

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

MCDR inspection REPORT

Ranchi regional office

Mine file No : JHK/PAL/GRP-01/RRO.

Mine code : 28JHK14006

- (i) Name of the Inspecting : **E025**) **NAMAN EKKA**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Md. Khalid, Geologist
Official with
Designation
- (iv) Date of Inspection : 19/03/2020
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **TARDAGA GRAPHITE MINE**
- (b) **Registration NO.** : **21463**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address :
State : JHARKHAND
District : PALAMAU
Village : TARDAGA
Taluka :
Post office : TARDAGA
Pin Code :
FAX No. :
E-mail : cgirnc@graphitecgi.in
Phone :
- (f) Police Station :
- (g) First opening date : 07/01/2020
- (h) Weekly day of rest : SUN
2. Address for : VILL.-TAMDAGA,
correspondance P.S.- BISHRAMPUR,
DIST. - PALAMAU (JHARKHAND).
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 : BASANT KUMAR PODDAR
S/o K.K. PODDAR, PODDAR
NIKET, BARIATU ROAD RANCHI
JHARKHAND
Phone:9334170077
FAX :0651-2212971

Owner : BASANT KUMAR PODDAR
S/o K.K. PODDAR, PODDAR
NIKET, BARIATU ROAD, RANCHI
JHARKHAND
Phone: 9334170077
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

6. Date of approval of Mining :
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 Document Available, First MP was approved vide Letter No. Tech-18/PAL/GRP/MP-41/95-96 Dated 10/10/1995. Lease Deed Was Executed on 05/08/1995. Date of Reopening of the mine is 07/01/2020. As per Form "C" of the lessee discontinuation date is 23/02/1996. As reported by the MIne official during Inspection the Lease Area was under Litigation with Forest Department. Now lessee has won the case and Lease has been further extended till 04/08/2045 as per provisions of MMDR Act.

1b	Exploration over - lease area for geological axis 1 or 2	No Exploration work has been carried out Earlier.	No Valid Document Avaliable, First MP was approved vide Letter No. Tech- 18/PAL/GRP/MP- 41/95-96 Dated 10/10/1995. Lease Deed Was Executed on 05/08/1995. Date of Reopening of the mine is 07/01/2020. As per Form "C" of the lessee discontinuation date is 23/02/1996. As reported by the MIne official during Inspection the Lease Area was under Litigation with Forest Department. Now lessee has won the case and Lease has been further extended till 04/08/2045 as per provisions of MMDR Act.
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1c	Exploration Agencies and Expenditure in lakh rupees during the year	-	No Exploration work has been done earlier.	No Valid Document Available, First MP was approved vide Letter No. Tech-18/PAL/GRP/MP-41/95-96 Dated 10/10/1995. Lease Deed Was Executed on 05/08/1995. Date of Reopening of the mine is 07/01/2020. As per Form "C" of the lessee discontinuation date is 23/02/1996. As reported by the MIne official during Inspection the Lease Area was under Litigation with Forest Department. Now lessee has won the case and Lease has been further extended till 04/08/2045 as per provisions of MMDR Act.
1d	Balance area to be explored to bring Geological axis in 1 or 2	-	No Exploration work has been done earlier.	
1e	Balance reserve as on 01/04/20	-	No valid Document available and no fresh reserve estimation has been done.	-
1f	General remarks of inspecting officers on geology, exploration etc	-	-	No valid Document available and no fresh reserve estimation has been done.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	No Valid Document Available.	Date of Reopening of the mine is 07/01/2020. NO development work carried out except. 02 pits which already existed from earlier. One having dimension of 50 m X 15m. The pit was full of water. And the second pit which was in domension of 15 m X 05 m having a depth of nearly 3 meters this pit was in dry state.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No Valid Document.	No benches found in the pits.
2c	Stripping ratio or ore to OB ratio	No Valid Document.	-
2d	Quantity of topsoil generation in m3	No Valid Document.	-
2e	Quantity of overburden generation in m3	No Valid Document.	-
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No Valid Document.	- Date of Reopening of the mine is 07/01/2020. NO development work carried out except. 02 pits which already existed from earlier. One having dimension of 50 m X 15m. The pit was full of water. And the second pit which was in domension of 15 m X 05 m having a depth of nearly 3 meters this pit was in dry state.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
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3a	Number of pit proposed for production	No Valid Document.	-
3b	Quantity of ROM mineral production proposed	No Valid Document.	Date of Reopening of the mine is 07/01/2020.
3c	Recovery of sailable/usable mineral from ROM production	No Valid Document.	Date of Reopening of the mine is 07/01/2020.
3d	Quantity of mineral reject generation	No Valid Document.	Date of Reopening of the mine is 07/01/2020.
3e	Grade of mineral rejects generation and threshold value declared.	No Valid Document.	Date of Reopening of the mine is 07/01/2020.
3f	Quantity of sub grade mineral generation.	No Valid Document.	Date of Reopening of the mine is 07/01/2020.
3g	Grade of sub grade mineral generation	No Valid Document.	Date of Reopening of the mine is 07/01/2020.
3h	Manual / Mechanised method adopted for segregating from ROM	No Valid Document.	Date of Reopening of the mine is 07/01/2020.
3j	Provision of drilling and blasting in mineral benches	No Valid Document.	Date of Reopening of the mine is 07/01/2020.
3k	Provision of mining machineries in mineral benches	No Valid Document.	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No Valid Document.	-
3m	Total area covered under excavation/pits	No Valid Document.	-
3n	Ore to OB ratio for the pit/mine during the year.	No Valid Document.	-

3o	Total area put in use under different heads at the end of year	No Valid Document.	-	
3p	Production of ROM mineral during the last five year period as applicable	No Valid Document.	-	
3q	General remarks of inspecting officers on method of mining etc.	No Valid Document.	-	No Valid Document.

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 Document.	-	-
4b	Location of topsoil, OB and mineral reject dumps	No Valid Document.	No Dumps found	
4c	Number of dumps within lease area and outside of lease area	No Valid Document.	No Dumps were seen within the lease raea and outside the Lease Area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No Valid Document.	No Dumps were seen within the lease raea and outside the Lease Area.	
4e	Number of active and alive dumps.	No Valid Document.	No Dumps were seen within the lease raea and outside the Lease Area.	
4f	Number of dead dumps.	No Valid Document.	No Dumps were seen within the lease raea and outside the Lease Area.	
4g	Number of dumps established.	No Valid Document.	No Established Dumps were found.	
4h	Whether Retaining wall or garland drain all along dumps are there.	No Valid Document.	-	

4i	Length of Retaining wall or garland drain all along dumps	No Valid Document.	-	
4j	Number of settling ponds	No Valid Document.	-	
4k	Specific comments of inspecting officer on waste dump management	No Valid Document.	-	-

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 Document.	-	
5b	Area under backfilling of mined out area	No Valid Document.	Date of Reopening of the mine is 07/01/2020. NO development work carried out except. 02 pits which already existed from earlier. One having dimension of 50 m X 15m. The pit was full of water. And the second pit which was in domension of 15 m X 05 m having a depth of nearly 3 meters this pit was in dry state.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No Valid Document.	-	
5d	Total area fully reclaimed and rehabilitated	No Valid Document.	No area has been reclaimed and rehabilitated.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	No Backfilling and reclamation work has been carried out.

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).		No Annual PMCP Report has been submitted.No Valid Document Available.	
6b	Area available for rehabilitation (ha) .	No Valid Document Available.	No Annual PMCP Report has been submitted.	
6c	afforestation done (ha).	No Valid Document Available.	As Reported no Afforestation work has been carried out within the lease area and outside the lease area.	
6d	No. of saplings planted during the year	No Valid Document Available.	No work carried Out	
6e	Cumulative no .of plants	No Valid Document Available.	No work carried Out	
6f	Any other method of rehabilitation	No Valid Document Available.	-	
6g	Cost incurred on watch and care during the year	No Valid Document Available.	-	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No Valid Document Available.	-	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No Valid Document Available.	-	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	No Valid Document Available.	-	

6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No Valid Document Available.	-	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No Valid Document Available.	-	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No Valid Document Available.	-	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No Valid Document Available.	-	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No Valid Document Available.	-	
6p	Compliance of environmental monitoring (core zone and buffer zone)	No Valid Document Available.	-	Enviromental Monitoring not done.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	-

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No Valid Document Available.	-	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No Valid Document Available.	-	
7c	Different grade of mineral sorted out at mines.	No Valid Document Available.	-	
7d	Any beneficiation process at mines .	No Valid Document Available.	-	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	-

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No Valid Document Available.	No work done.	
8b	Concurrent use or storage of topsoil	No Valid Document Available.	No work done.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No Valid Document Available.	No work done.	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Valid Document Available.	No work doen.	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Valid Document Available.	No work done.
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No Valid Document Available.	No additional Plantation Done.
8g	Survival rate	No Valid Document Available.	-
8h	Water sprinkling on roads to control airborne dust	No Valid Document Available.	-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns		Monthly & Annual Returns Not Submitted.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	-	No Mining Enginner & Geologist Appointed.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	-	No Returns Submitted.	
9d	Scrutiny of Annual return on afforestation	-	No Returns Submitted.	-

9f	Scrutiny of Annual return on ROM stock and/or graded ore	-	No Returns Submitted.	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	-	No Returns Submitted.	-
9h	Scrutiny of Annual return on fixed assets	-	No Returns Submitted.	-
9k	Scrutiny of Annual return on mining machineries	-	No Returns Submitted.	-

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed		Show couse position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(NAMAN EKKA)

Indian Bureau of Mines