

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

Mining Plan inspection REPORT

Kolkata regional office

Mine file No : KOL/JHK/SB(W)/Fe(19)

Mine code : 30JHK18020

- (i) Name of the Inspecting : **K004**) **B.P KERKETTA**
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine : Sri Upendra Kumar Sutar, Nominated Owner & Sri Sanjeeb
Official with
Designation
- (iv) Date of Inspection : 16/10/2017
- (v) Prev. inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **GHATKURI**
- (b) **Registration NO.** :
- (c) Category : A Fully Mechanised
- (d) Type of Working : Opencast
- (e) Postal address :
State : JHARKHAND
District : SINGHBHUM (WEST)
Village : GHATKURI
Taluka : MANOHARPUR
Post office : GUA
Pin Code :
FAX No. :
E-mail : gpc.jamda@gmail.com
Phone : 8986882054
- (f) Police Station : CHOTANAGRA
- (g) First opening date : 01/04/2017
- (h) Weekly day of rest : SUN
2. Address for : KALPANA MUKHERJEE HOUSE(1st Floor)
correspondance : NEAR GOVT. MIDDLE SCHOOL P.O.&P.S. BARAJAMDA
DIST.WEST SINGHBHUM ,JHARKHAND, PIN -833221
3. (a) Lease Number :
- (b) Lease area :
- (c) Period of lease :
- (d) Date of Expiry :
4. Mineral worked :

5. Name and Address of the

Lessee : GENERAL PRODUCE COMPANY LIMITED
MADHU BAZAR CHAIBASA
SINGHBHUM (WEST) JHARKHAND
Phone:06582-256066,9431156949
FAX :

Owner : UPENDRA KUMAR SUTAR
BOLANI, BADBIL, KEONJHAR
ORISSA
Phone:
FAX :

Mining Engineer

Name : RAJESH KUMAR,Full Time
Qualification : B.E.(MINING ENGINEERING)
Appointment/ : 01/07/2013
Termination date

Geologist

Name : SANJEEB KUMAR JHA,Full Time
Qualification : M.Sc (Geology)
Appointment/ : 01/10/2013
Termination date

6. Date of approval of Mining Plan/Scheme of Mining : Renewal under rule 24 MCR1960 05/09/2013

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	30	Nil	No Exploration for want of EC &FC
1b	Exploration over lease area for geological axis 1 or 2	25	Nil	-do-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not Proposed	Nil	-do-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Total lease area	Nil	-do-
1e	Balance reserve as on 01/04/20	5.456 million tonne	5.456 million tonne	-do-
1f	General remarks of inspecting officers on geology, exploration etc		No exploration has been carried so far due to non-grant of forest & environment clearance.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Insitu & Float pit area	Nil	No Exploration for want of EC &FC
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Insitu pit - 2 nos. Float pit - 1 no.	Nil	-do-
2c	Stripping ratio or ore to OB ratio	1:0.28	Nil	-do-
2d	Quantity of topsoil generation in m3	12602cum.	Nil	-do-
2e	Quantity of overburden generation in m3	90735	Nil	-do-

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No mining has been carried so far due to non-grant of forest & environment clearance.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	02 nos.	Nil	No mining operation for want of EC &FC
3b	Quantity of ROM mineral production proposed	455158 tonnes	Nil	-DO-
3c	Recovery of sailable/usable mineral from ROM production	80% in Insituedeosit 40% in Float deposit	Nil	-DO-
3d	Quantity of mineral reject generation	152870 cum.	Nil	-DO-
3e	Grade of mineral rejects generation and threshold value declared.	Below 45%Fe	Nil	-DO-
3f	Quantity of sub grade mineral generation.	22055cum.	Nil	-DO-
3g	Grade of sub grade mineral generation	45% to 58%Fe	Nil	-DO-
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized	Nil	-DO-
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No mining operation	Nil	-DO-
3j	Provision of drilling and blasting in mineral benches	Proposed	No mining operation	-DO-

3k	Provision of mining machineries in mineral benches	20Te Tippers & 1.8cum. Excavator	No mining operation	-DO-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	5m height ,8m width	No mining operation	-DO-
3m	Total area covered under excavation/pits	6.3ha.	No mining operation	-DO-
3n	Ore to OB ratio for the pit/mine during the year.	1:0.28	Nil, No mining operation	-DO-
3o	Total area put in use under different heads at the end of year	Proposed	Nil	-DO-
3p	Production of ROM mineral during the last five year period as applicable	2013-14 223904Te 2014-15 339793Te 2015-16 454916Te 2016-17 455158Te 2017-18 574170Te	2013-14 Nil 2014-15 Nil 2015-16 Nil 2016-17 Nil 2017-18 Nil	-DO-
3q	General remarks of inspecting officers on method of mining etc.		No mining has been carried so far due to non-grant of forest & environment clearance.	

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Yes proposed	Nil	No mining operation for want of EC &FC
4b	Location of topsoil, OB and mineral reject dumps	Top soil on the eastern side of lease area between 990E-1050E& 25S-140S of Plate no.12	Nil	-do-

4c	Number of dumps within lease area and outside of lease area	01 no. within lease area	Nil	-do-
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	SW side of the lease area between 800W-600W & 485 -720 S of Plate no.12	Nil	-do-
4e	Number of active and alive dumps.	one	Nil	-do-
4f	Number of dead dumps.	Nil	Nil	-do-
4g	Number of dumps established.	Nil	Nil	-do-
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes proposed	Nil	-do-
4i	Length of Retaining wall or garland drain all along dumps	125mx1.0mx1.0m (around the Dump) 740mx1.0mx1.0m (around the float quarry)	Nil	-do-
4j	Number of settling ponds	6nos.	Nil	-do-
4k	Specific comments of inspecting officer on waste dump management		No mining has been carried so far due to non-grant of forest & environment clearance.	

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.	Not proposed during the year	N.A	No mining operation for want of EC & FC
5b	Area under backfilling of mined out area	nil	Nil	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Not proposed	N.A.	Plantation establishment
5d	Total area fully reclaimed and rehabilitated	Not proposed	N.A.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		No mining has been carried so far due to non-grant of forest & environment clearance.	

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).	Proposed	Nil	No mining operation for want of EC &FC
6b	Area available for rehabilitation (ha) .	nil	Nil	-do-
6c	afforestation done (ha).	nil	Nil	-do-
6d	No. of saplings planted during the year	Nil	Nil	-do-
6e	Cumulative no .of plants	Nil	Nil	-do-
6f	Any other method of rehabilitation	Nil	Nil	-do-
6g	Cost incurred on watch and care during the year	Nil	Nil	-do-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	Nil	-do-

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Nil	Nil	-do-
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	nil	Nil	-do-
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	-do-
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	Nil	Nil	-do-
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	100	Nil	-do-
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	1.13ha	Nil	-do-
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	Afforestation	Nil	-do-
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental Clearance has not yet been granted (Only TOR received)	Nil	-do-

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No mining has been carried so far due to non-grant of forest & environment clearance.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	455158 tonnes	Nil	No mining operation for want of EC &FC
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanical	Nil	-do-
7c	Different grade of mineral sorted out at mines.	Ore + 58%Fe, Sub Grade Ore 45-58%Fe	Nil	-do-
7d	Any beneficiation process at mines	Proposed	Nil	-do-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		No mining has been carried so far due to non-grant of forest & environment clearance.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	Nil	No mining operation for want of EC &FC
8b	Concurrent use or storage of topsoil	Not Proposed	Nil	-do-

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	Nil	-do-
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposed	Nil	-do-
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposed	Nil	-do-
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	100nos	Nil	-do-
8g	Survival rate	Not Proposed	Nil	-do-
8h	Water sprinkling on roads to control airborne dust	Not Proposed	Nil	-do-
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		No mining has been carried so far due to non-grant of forest & environment clearance.	

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly & Annual returns are filled up-to-date	Found correct.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Sri Rajesh Kumar, BE (Mining) Geologist: Sri Sanjeeb Kumar Jha, M.Sc. (Geo)	Found correct	No mining operation for want of EC & FC
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	No mining operation	Nil	No mining operation for want of EC & FC
9d	Scrutiny of Annual return on afforestation	No mining operation	Nil	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mining operation	Nil	No mining operation for want of EC & FC
9f	Scrutiny of Annual return on ROM stock and/or graded ore	No mining operation	Nil	-do-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	No mining operation	Nil	-do-
9h	Scrutiny of Annual return on fixed assets	Fixed Asset has been given as Rs. 1,69,05,775/-	Not Correct as Mining Operation has not yet started.	-do-
9k	Scrutiny of Annual return on mining machineries	No mining operation	Nil	-do-

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 :

(B.P KERKETTA)

Indian Bureau of Mines