

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

**MCDR inspection REPORT
Ranchi regional office**

Mine file No : JHK/RNC/LST/307/RRO

Mine code : 38BHR21001

- (i) Name of the Inspecting : **K001**) **B.L. KISKU**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri Ashok Kumar, Mines Manager, Animesh Kumar Singh,
Official with
Designation
- (iv) Date of Inspection : 16/03/2023
- (v) Prev.inspection date : 09/02/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BENTIBAGDA**
- (b) **Registration NO.** : **IBM/5281/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address :
State : JHARKHAND
District : RANCHI
Village : BENTISALHAN
Taluka : KANKE
Post office : CHAINGARA
Pin Code :
FAX No. : 0651-2491916
E-mail : contact@jsmdc.in
Phone : 0651-2491841,2491842,2491843
- (f) Police Station : PATRATU
- (g) First opening date : 27/06/1976
- (h) Weekly day of rest : MON
2. Address for : VILL-BENTI BAGDA,TAHASIL-KANKE
correspondance : PO-CHAINGARHA, P.S- PATRATU, DIST-RANCHI
JHARKHAND-835214
3. (a) Lease Number : BHR0016
- (b) Lease area : 104.02
- (c) Period of lease : 50
- (d) Date of Expiry : 03/06/2026
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : M/S J.S.M.D.C.LTD
 KHANIJ NIGAM BHAWAN
 DORANDA, RANCHI-834002
 JHARKHAND RANCHI JHARKHAND
 Phone:
 FAX :

Owner : ABOOBACKER SIDDIQUEE
 M/S J.S.M.D.C.LTD, KHANIJ
 NIGAM BHAWAN, P.O.-DORANDA,
 RANCHI- 834002. RANCHI
 JHARKHAND
 Phone:
 FAX :

Agent : Ashok Kumar
 JSMDC Nepal House Area,
 Doranda Ranchi RANCHI
 JHARKHAND
 Phone: 8969694392
 FAX :

Mining Engineer
 Name : SRI UMESH KUMAR SINGH, Full Time
 Qualification : B.E(MIN), 2ND CLASS MINES MANAGER CERTIF
 Appointment/ : 11/08/2012
 Termination date

Manager
 Name : UMESH KUMAR SINGH
 Qualification : 2nd Class Manager's Certificate
 Appointment/ : 11/08/2012 14/02/2021
 Termination date

Manager
 Name : Ashok Kumar
 Qualification : B.E.(Mining)
 Appointment/ : 14/02/2021
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Renewal under rule 22 MCR1960	22/08/2002
		Mining Scheme rule 12 MCDR1988	31/01/2013
		MP review under 17(1) MCR 2016	08/06/2018
		MP review under 17(1) MCR 2016	27/08/2021

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	PBH - 45	Nil	Mine is closed, due to Labour problem and low market demand.
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil	Mine is closed, due to Labour problem and low market demand.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	Mine is closed, due to Labour problem and low market demand.
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Mine is closed, due to Labour problem and low market demand.
1e	Balance reserve as on 01/04/20	1373510.50 MT	Nil	Mine is closed, due to Labour problem and low market demand.
1f	General remarks of inspecting officers on geology, exploration etc	N.A.	N.A.	Mine is closed, due to Labour problem and low market demand.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	2609700- 2609800N 320100-320300E	Nil	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	3 (three) : Top Soil- 1 bench, O.B. - 1 bench & Mineral - 1 bench.	Nil	Mine is closed, due to Labour problem and low market demand.
2c	Stripping ratio or ore to OB ratio	1:1.6 (Ore:O.B.)	Nil	Mine is closed, due to Labour problem and low market demand.
2d	Quantity of topsoil generation in m3	3996 Cum	Nil	No development work since 2021.

2e	Quantity of overburden generation in m3	92858.40 Cum	Nil	Mine is closed, due to Labour problem and low market demand.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	N.A.	N.A.	Mine is closed, due to Labour problem and low market demand.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Pit no. 1 & 5.	Nil	No development work since 2021. Mine is closed, due to Labour problem and low market demand.
3b	Quantity of ROM mineral production proposed	59836.32 MT	498.770 MT	Mine is closed, due to Labour problem and low market demand.
3c	Recovery of sailable/usable mineral from ROM production	N.A.	N.A.	Mine is closed, due to Labour problem and low market demand.
3d	Quantity of mineral reject generation	14774.4 cum	Nil	Mine is closed, due to Labour problem and low market demand.
3e	Grade of mineral rejects generation and threshold value declared.	N.A.	N.A.	Nil
3f	Quantity of sub grade mineral generation.	N.A.	N.A.	Nil
3g	Grade of sub grade mineral generation	N.A.	N.A.	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	N.A.	N.A.	Nil

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	N.A.	N.A.	Nil
3j	Provision of drilling and blasting in mineral benches	N.A.	N.A.	Nil
3k	Provision of mining machineries in mineral benches	N.A.	N.A.	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	N.A.	N.A.	Nil
3m	Total area covered under excavation/pits	12.859 ha.	12.859 ha.	No development work since 2021. Mine is closed, due to Labour problem and low market demand.
3n	Ore to OB ratio for the pit/mine during the year.	1:1.6	N.A.	No development work since 2021. Mine is closed, due to Labour problem and low market demand.
3o	Total area put in use under different heads at the end of year	12.859 ha	12.859 ha	Nil
3p	Production of ROM mineral during the last five year period as applicable	2021-22: 59836.32	2017-18: Nil, 2018-19: Nil, 2019-20: Nil, 2020-21: Nil, 2021-22: 498.770 2022-23: 2728.19 (upto Feb.)	Mine is closed, due to Labour problem and low market demand.
3q	General remarks of inspecting officers on method of mining etc.	N.A.	Nil	Mine is closed, due to Labour problem and low market demand.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Existing Dump	Over Existing Dump.	Nil
4b	Location of topsoil, OB and mineral reject dumps	Existing Dump.	Top soil dump - Nil, O.B. dump - 2 (over existing), Reject dump - Nil.	Mine is closed, due to Labour problem and low market demand.
4c	Number of dumps within lease area and outside of lease area	Within lease.	Two dumps within lease.	Mine is closed, due to Labour problem and low market demand.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	N-2609750 E-320100 N- 2609500 E-320800	N-2609750 E-320100 N-2609500 E-320800	Nil
4e	Number of active and alive dumps.	Existing Dump	Active dump-1 (one).	Nil
4f	Number of dead dumps.	N.A.	N.A.	Mine is closed, due to Labour problem and low market demand.
4g	Number of dumps established.	N.A.	N.A.	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Retaining wall.	Nil	Nil
4i	Length of Retaining wall or garland drain all along dumps	N.A.	Nil	Nil
4j	Number of settling ponds	N.A.	N.A.	Nil
4k	Specific comments of inspecting officer on waste dump management	N.A.	N.A.	During 2021-22, no waste was generated as mine remain closed.

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.	N.A.	N.A.	Nil

5b	Area under backfilling of mined out area	N.A.	N.A.	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	N.A.	N.A.	Nil
5d	Total area fully reclaimed and rehabilitated	N.A.	N.A.	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.	N.A.	N.A.	During 2021-22, no backfilling and reclamation work was done as mine is closed, due to Labour problem and low market demand.

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).	N.A.	N.A.	Mine is closed due to Labour problem and low market demand.
6b	Area available for rehabilitation (ha) .	N.A.	N.A.	Nil
6c	afforestation done (ha).	N.A.	Nil	Nil
6d	No. of saplings planted during the year	4700 nos. saplings.	75 nos. along road side.	Mine is closed, due to Labour problem and low market demand.
6e	Cumulative no .of plants	N.A.	75 nos. saplings planted along road side during 2022. Mine is closed since 2021.	75 nos. saplings planted along road side during 2022. Mine is closed since 2021.
6f	Any other method of rehabilitation	N.A.	N.A.	Nil
6g	Cost incurred on watch and care during the year	Rs. 235000/-	Nil	Mine is closed since 2021.

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	N.A.	N.A.	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	N.A.	N.A.	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	N.A.	N.A.	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	N.A.	N.A.	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	N.A.	N.A.	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	N.A.	N.A.	Nil
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	N.A.	N.A.	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	N.A.	N.A.	Nil

6p	Compliance of environmental monitoring (core zone and buffer zone)	N.A.	N.A.	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	N.A.	N.A.	Mine was closed since 2021. No PMCP work was carried out.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	N.A.	N.A.	Mine is closed due to Labour problem and low market demand.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	N.A.	N.A.	Nil
7c	Different grade of mineral sorted out at mines.	N.A.	N.A.	Nil
7d	Any beneficiation process at mines	N.A.	N.A.	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	N.A.	N.A.	Mine is closed due to Labour problem and low market demand.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	N.A.	N.A.	Mine is not in operation during 2021-22 due to Labour problem and low market demand.

8b	Concurrent use or storage of topsoil	N.A.	N.A.	Mine is not in operation during 2021-22 due to Labour problem and low market demand.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	N.A.	N.A.	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	N.A.	N.A.	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	N.A.	N.A.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	N.A.	N.A.	Nil
8g	Survival rate	N.A.	N.A.	Nil
8h	Water sprinkling on roads to control airborne dust	N.A.	N.A.	Mine is closed due to Labour problem and low market demand.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	N.A.	N.A.	Mine is closed due to Labour problem and low market demand.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes	Monthly and Annual return is submitted online in time.	Monthly and Annual return is submitted online in time.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	1. Ashok Kumar - Mines Manager, 2. Animesh Kumar Singh - Geologist 3. Ashok Kumar - Mining Engineer	1. Ashok Kumar - Mines Manager, 2. Animesh Kumar Singh - Geologist 3. Ashok Kumar - Mining Engineer	Both Mining Engineer and Geologist were present at the time of inspection.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	1. Area under lease = 135.52 hectares: (i) Forest = 38.299 hectares. & (ii) Non-Forest = 97.221 hectares. 2. Covered under current (O/C) Workings = 7.92 ha. & (b) N.F - 2.19 ha. 3. Used for waste disposal = 1.88 ha. and 4. Occupied by plant, buildings, residential, welfare buildings & roads = 3.059 ha.	1. Area under lease = 135.52 hectares: (i) Forest = 38.299 hecets. & (ii) Non-Forest = 97.221 hecets. 2. Covered under current (O/C) Workings = 7.92 ha. :- (a) F-5.73 ha. & (b) N.F - 2.19 ha. 3. Used for waste disposal = 1.88 ha. and 4. Occupied by welfare buildings & roads = 3.059 ha.	Nil
9d	Scrutiny of Annual return on afforestation	Nil	Nil	75 nos. of saplings planted during 2022.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	N.A.	N.A.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Production - 498.77 MT, Opening stock - 6532.16 MT, Dispatches - 999.74 MT, Closing stock - 6031.19 MT.	Appears to be correct.	Mine is not working since 2021.

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price - Rs. 349/- per tonne.	Ex-mine price furnished seems to be correct.	Mine is not working since 2021.
9h	Scrutiny of Annual return on fixed assets	Value of Fixed Assets furnished is Nil.	Value of Fixed Assets furnished is Nil.	Mine is not working since 2021.
9k	Scrutiny of Annual return on mining machineries	1) AIR COMPRESSOR - 200.00 cum/min = 1 no. 2) DUMPER - 8 Tonne = 2 nos. and 3) SHOVEL (HYDRAULIC) - 0.90 Tonne = 1 no.	Mining Machineries were found in idle stage.	Mine was not working since 2021.

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 :

(B.L. KISKU)

Indian Bureau of Mines