

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

Review and updation of Mining Plan REPORT

Ranchi regional office

Mine file No : BIH/LOH/BX/232/RRO

Mine code : 07BHR33017

- (i) Name of the Inspecting : **K001**) **B.L. KISKU**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Shri Prava Ranjan Mishra, QP
Official with
Designation
- (iv) Date of Inspection : 06/06/2023
- (v) Prev.inspection date : 01/08/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **BANDOBAR (25.9)**
- (b) **Registration NO.** : **IBM/471/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
- State : JHARKHAND
- District : LOHARDAGA
- Village : BANDOBAR
- Taluka : KISKO
- Post office : KISKO
- Pin Code :
- FAX No. : 0651-2207678
- E-mail : None
- Phone : +91 9431133602, 9431133603
- (f) Police Station : Kisko
- (g) First opening date : 17/05/1990
- (h) Weekly day of rest : TUE
2. Address for : VILL-BANROBAR
correspondance : DIST-LOHARDAGA
JHARKHAND, PIN - 835302
3. (a) Lease Number : BHR0218
- (b) Lease area : 20.69
- (c) Period of lease : 50
- (d) Date of Expiry : 24/04/2040
4. Mineral worked : BAUXITE Main

5. Name and Address of the

Lessee : LEELA DEVI
 NEW ROAD, SARNA TOLI
 LOHARDAGA LOHARDAGA
 JHARKHAND
 Phone:+91-9431133602, 9431133603
 FAX :0651-2207678

Owner : LEELA DEVI
 NEW ROAD SARNATOLI
 LOHARDAGA LOHARDAGA
 JHARKHAND
 Phone: +91-9431133602,
 FAX : 0651-2207678

Agent : Rajani Kanta Bharadwaj
 3rd floor, Bina Tower Block
 More, Lohardaga LOHARDAGA
 JHARKHAND
 Phone: 9358005509
 FAX :

Mining Engineer

Name : Anil Mondal,Full Time
 Qualification : B.E.(Mining)
 Appointment/ : 04/01/2023
 Termination date

Geologist

Name : Suvajit Sahoo,Full Time
 Qualification : M.Sc. (Geology)
 Appointment/ : 07/02/2023
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	16/10/1990
Plan/Scheme of Mining	:	Renewal under rule 24 MCR1960	05/09/2011

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	N.A.	N.A.	Mine temporarily closed for not having Environment Clearance & valid document.
1b	Exploration over lease area for geological axis 1 or 2	G-1= 24 Nos.	G-1 = 24 no. of boreholes. Area covered - 14.83 ha.	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	N.A.	M/s Earth & Environment. Rs. 1350800/-	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	N.A.	Entire area covered under exploration.	Nil
1e	Balance reserve as on 01/04/20	As on 01.04.2023 : - 111 - 3860208.00 MT	As on 01.04.2023 : - 111 - 3860208.00 MT	Mining operation closed since 2016.
1f	General remarks of inspecting officers on geology, exploration etc	N.A.	N.A.	Mine is closed since 2016.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit No.- 1 & Pit No.- 2	Development work yet to be done.	Development work yet to be done. Mine temporarily closed for not having Environment Clearance & valid document.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches for Top Soil , Overburden & Mineral.	Separate benches for Top Soil , Overburden & Mineral are to be formed.	Development work yet to be started. Mine temporarily closed for not having Environment Clearance & valid document.

2c	Stripping ratio or ore to OB ratio	1: 0.17	Mine is closed.	Mine temporarily closed for not having Environment Clearance & valid document.
2d	Quantity of topsoil generation in m3	N.A.	N.A.	Mine temporarily closed for not having Environment Clearance & valid document.
2e	Quantity of overburden generation in m3	42613.79 cum	N.A.	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	N.A.	N.A.	Mine temporarily closed for not having Environment Clearance & valid document.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	2 nos. (Pit-1 & Pit-2)	N.A.	Mine temporarily closed for not having Environment Clearance & valid document.
3b	Quantity of ROM mineral production proposed	250000.90 MT	N.A.	Nil
3c	Recovery of sailable/usable mineral from ROM production	80%	N.A.	Nil
3d	Quantity of mineral reject generation	N.A.	N.A.	Nil
3e	Grade of mineral rejects generation and threshold value declared.	< 30% Al ₂ O ₃ & >7% SiO ₂	No development work is done.	Mine temporarily closed for not having Environment Clearance & valid document.
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	Manual	To be carried out Manually.	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	Deep hole blasting (100mm dia): Burden x Spacing = 2.5m X 3m	Drilling & blasting will be done by 100mm dia. Burden x Spacing = 2.5m X 3m.	Nil
3k	Provision of mining machineries in mineral benches	Yes.	Yes, HEMM will be deployed.	Development work yet to be started.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	As per approved mining plan.	Development work yet to be started.
3m	Total area covered under excavation/pits	3.65 ha.	N.A.	Development work yet to be started.
3n	Ore to OB ratio for the pit/mine during the year.	1: 0.17	N.A.	Nil
3o	Total area put in use under different heads at the end of year	5.19 ha.	N.A.	Nil
3p	Production of ROM mineral during the last five year period as applicable	1) 2020-21 = Nil, 2) 2021-22 = Nil, 3) 2022-23 = Nil, 4) 2023-24 = 250000.90 MT & 5) 2024-25 = 300000.80 MT.	As per approved mining plan.	Development work yet to be started.
3q	General remarks of inspecting officers on method of mining etc.	N.A.	Development work yet to be started.	Mine temporarily closed for not having Environment Clearance & 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)	O.B. and rejects will be utilized for backfilling of mined-out areas. Top soil will be used for reclamation of the backfilled quarry.	Development work yet to be started.	Mine closed for not having Environment Clearance & valid document.
4b	Location of topsoil, OB and mineral reject dumps	No dump is proposed.	O.B. & mineral rejects will be used for concurrent backfilling.	Mining work is yet to be started.
4c	Number of dumps within lease area and outside of lease area	All overburdens will be used for backfilled in mined-out areas.	Mining work is yet to be started.	Mine closed for not having Environment Clearance & valid document.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	N.A.	N.A.	Nil
4e	Number of active and alive dumps.	N.A.	N.A.	Nil
4f	Number of dead dumps.	05 (five)	Mining work is yet to be started.	Dead dumps will be utilized for backfilling the mined-out pits.
4g	Number of dumps established.	Nil. Dead dumps will be utilized for backfilling the mined-out pits.	Mining work is yet to be started.	Nil.
4h	Whether Retaining wall or garland drain all along dumps are there.	N.A.	N.A.	Nil
4i	Length of Retaining wall or garland drain all along dumps	N.A.	N.A.	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.	Mine closed for not having Environment Clearance & 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.	Full extraction.	As per approved Mining Plan.	Mining work is yet to be started.
5b	Area under backfilling of mined out area	3.65 ha.	As per approved mining plan.	Mining work is yet to be started.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Topsoil will be stored separately and used for reclamation of the backfilled quarry.	Topsoil will be stored separately and used for reclamation of the backfilled quarry.	Mining work is yet to be started.
5d	Total area fully reclaimed and rehabilitated	Reclamation & Rehabilitation will be done after complete exhaustion of mineral deposit.	As envisaged in the mining plan, Reclamation & Rehabilitation will be done after complete exhaustion of mineral deposit.	Mining work is yet to be started.
5e	General remarks of inspecting officers on backfilling and reclamation etc.	N.A.	N.A.	Mine is closed since 2016 for not having Environment Clearance & valid document.

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).	As per atatute, it will be deposited timely.	N.A.	Nil
6b	Area available for rehabilitation (ha) .	3.65 ha.	N.A.	Mine is closed. Mining work is yet to be started.
6c	afforestation done (ha).	0.33 ha.	To be complied as per approved mining plan.	Mine is closed. Mining work is yet to be started.
6d	No. of saplings planted during the year	250 saplings.	To be done as per proposal.	Mine closed since 2016 for not having Environment Clearance & valid document.

6e	Cumulative no .of plants	N.A.	N.A.	Mine temporarily closed since 2016 for not having Environment Clearance & valid document.
6f	Any other method of rehabilitation	Backfilling & Reclamation.	To be done as per proposal.	Nil
6g	Cost incurred on watch and care during the year	Rs. 50000.00/-	To be complied.	Development work yet to be started.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	N.A.	To be backfilled after exhaustion of mineral.	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	Plantation.	Will be complied.	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	Plantation	Will be complied.	Nil

6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	N.A.	No waste land within lease area.	Nil
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Backfilling , Reclamation & Plantation.	As proposed in approved mining plan.	Mine closed since 2016 for not having Environment Clearance & valid document.
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring of Air, Noise & Water in core & buffer zones.	N.A.	Mining work is yet to be started.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	N.A.	N.A.	Mining work is yet to be started. Mine closed since 2016 for not having Environment Clearance & valid document.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Grade - wise manual sorting.	As proposed will be done.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	As per proposal.	As per proposal.
7c	Different grade of mineral sorted out at mines.	N.A.	N.A.	Mine is closed since 2016 for not having Environment Clearance & valid document.
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 since 2016, hence mineral conservation does not arise at this stage.
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Separate removal of top soil and utilization for reclamation.	N.A.	Mine is closed since 2016 for not having Environment Clearance.
8b	Concurrent use or storage of topsoil	Top soil will be spread over on reclaimed/rehabilitated area, concurrently.	As per approved mining plan.	Nil
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	Yes. Overburden & waste rock used for restoring the land to its original use.	As per approved mining plan.	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	All overburden will be used for backfilling the mined-out areas, soil will be spread over on reclaimed area.	As per approved mining plan.	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	N.A.	As per the approved Mining Plan.	Nil

8g	Survival rate	N.A.	N.A.	Nil
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads on daily basis will be done.	As per proposal.	Nil
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	N.A.	N.A.	Mine is closed since 2016 for not having Environment Clearance & valid document.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	N.A.	Not applicable as mine is not working since 2016.	Mine is closed since 2016 for not having Environment Clearance & valid document.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	N.A.	N.A.	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	N.A.	N.A.	Nil
9d	Scrutiny of Annual return on afforestation	N.A.	N.A.	Nil
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	N.A.	N.A.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	N.A.	N.A.	Nil

9h	Scrutiny of Annual return on fixed assets	N.A.	N.A.	Nil
9k	Scrutiny of Annual return on mining machineries	N.A.	N.A.	Nil. Mine is closed since 2016 for not having Environment Clearance & valid document.

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