

**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/225/RRO

**Mine code :** 07BHR33019

- (i) Name of the Inspecting : **S001** ) **B K SINGH**  
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri P K Sen QP ,Sri Ajay Tirkey Representative of Min  
Official with  
Designation
- (iv) Date of Inspection : 14/06/2019
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **PAKHAR (35.83)**
- (b) **Registration NO.** : **IBM/735/2011**
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
- State : JHARKHAND
- District : LOHARDAGA
- Village : PAKHAR
- Taluka : KISKO
- Post office : KISKO
- Pin Code :
- FAX No. : NIL
- E-mail : NIL
- Phone : 06526- 224282
- (f) Police Station : KISKO
- (g) First opening date : 01/09/1986
- (h) Weekly day of rest : TUE
2. Address for : VILL-PAKHAR  
correspondance : KISKU  
DIST-LOHARDAGA
3. (a) Lease Number : BHR0215
- (b) Lease area : 35.83
- (c) Period of lease : 20
- (d) Date of Expiry : 02/06/2006
4. Mineral worked : BAUXITE Main

5. Name and Address of the

Lessee : Smt. JAYWANTI KUMARI BHAGAT  
At - Nadia Harmu Road,  
P.O.& Dist.- Lohardaga,  
LOHARDAGA. LOHARDAGA  
JHARKHAND  
Phone:  
FAX :

Owner : JAYANTI KUMARI BHAGAT  
NADIA HARMU ROAD PO/DIST-  
LOHARDAGA JHARKHAND  
LOHARDAGA JHARKHAND  
Phone: 06526-224282  
FAX :

6. Date of approval of Mining : Renewal under rule 24 MCR1960 16/06/2009  
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 approved document	Mine is not working since July 2012 for want of EC.	Last approved document was dated 16.06.2009 for the plan period 2006-07 to 2010-11 in which 2006-07 to 2008-09 were lapse period.
1b	Exploration over lease area for geological axis 1 or 2	There was no proposal as no valid approved document.	No exploration work carried.	Mine was suspended on 27/03/2015.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No exploration proposed.	No exploration work carried.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No such proposal.	Mine is not in operation since July ,2012 for want of EC.	Mine was suspended on 27/03/2015.
1e	Balance reserve as on 01/04/20	As per approved document dated 16.06.2009 the reserve as on 01.04.2006 was: (111) : 723521MT (122) : 511620 MT	As per approved document dated 16.06.2009 the reserve as on 01.04.2006 was: (111) : 723521MT (122) : 511620 MT After depleting 101571 MT production during 2006-07 to 2013-14 Reserve as 01.04.2014 was given below. (111) : 621950 MT (122) : 511620 MT.	Lessee has not submitted Annual return after 2013-14.
1f	General remarks of inspecting officers on geology, exploration etc	No valid approved document.	Mine is not in operation since July ,2012 for want of EC.	Mine was suspended on 27/03/2015. Lessee has not submitted Annual return after 2013-14.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t.lease area	No valid approved document.	Mine is not in operation since July ,2012 for want of EC. total seven quarries in the lease area covering northern southern and central parts of the lease area.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No valid approved document.	Seprate benches in top soil,laterite and Bauxite were developed.	
2c	Stripping ratio or ore to OB ratio	No valid approved document.	No information of stripping ratio as Mine is not in operation since July ,2012 for want of EC.	No Annual return since 2013-14.
2d	Quantity of topsoil generation in m3	No valid approved document.	Mine is not in operation since July ,2012 for want of EC.	
2e	Quantity of overburden generation in m3	No valid approved document.	Mine is not in operation since July ,2012 for want of EC.	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No valid approved document.	Mine is not in operation since July ,2012 for want of EC.	Mine was suspended on 27/03/2015.

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No valid approved document.	Quarry no 3 and 7 were under production till june 2012.	Mine is not in operation since July ,2012 for want of EC.
3b	Quantity of ROM mineral production proposed	No valid approved document.	Mine is not in operation since July ,2012 for want of EC. Production during 2010-11-27039 MT 2011-12 : 780 MT 2012-13 : 1063 MT 2013-14 : NIL 2014-15 : NIL	No Annual Return after 2013-14.
3c	Recovery of sailable/usable mineral from ROM production	No valid approved document.	recovery percentage no calculated.	Mine is not in operation since July ,2012 for want of EC.

3d	Quantity of mineral reject generation	No valid approved document.	No information regarding reject generation.
3e	Grade of mineral rejects generation and threshold value declared.	No valid approved document.	No report of subgrade generation.
3f	Quantity of sub grade mineral generation.	No such proposal	NIL
3g	Grade of sub grade mineral generation	No such proposal	Not Applicable
3h	Manual / Mechanised method adopted for segregating from ROM	No valid approved document.	Lessee used to adopt manual method for segregating bauxite From ROM after blasting.
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No valid approved document.	No beneficiation study carried out as no sub grade generated .
3j	Provision of drilling and blasting in mineral benches	No valid approved document.	Drilling and Blasting used to break harder strata during mining.
3k	Provision of mining machineries in mineral benches	No valid approved document.	Mining machinery like jackhammer, Compressor, Shovel, Dumper used during production But Mine is not in operation since July ,2012 for want of EC.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No valid approved document.	Height of the benches kept 1.2 m and width of the benches were 2-3m
3m	Total area covered under excavation/pits	No valid approved document.	As reported total area covered under excavation was about 5.75 ha.
3n	Ore to OB ratio for the pit/mine during the year.	No valid approved document.	No production since July,2012 hence Ore: OB ratio not available.

3o	Total area put in use under different heads at the end of year	No valid approved document.	Mine is not in operation since July ,2012 for want of EC. As per informatin available 5.75 ha under excavation,Area covered under dump-0.16 ha and no reclamation.	
3p	Production of ROM mineral during the last five year period as applicable	No valid approved document.	Mine is not in operation since July ,2012 for want of EC. Production during 2010-11-27039 MT 2011-12 : 780 MT 2012-13 : 1063 MT 2013-14 : NIL 2014-15 : NIL	
3q	General remarks of inspecting officers on method of mining etc.	No valid approved document.	Mine is not in operation since July ,2012 for want of EC.	Mine was suspended on 27/03/2015.

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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)	No valid approved document.	Seprate dumps were ther for top soil and OB. There dimensions were 20X5mx3m 30x10x3.5m 50x15x4.5m	
4b	Location of topsoil, OB and mineral reject dumps	No valid approved document.	OB and waste dumps were located towards NE side of the lease area and top soil were located near SE side of the lease area.	
4c	Number of dumps within lease area and outside of lease area	No valid approved document.	Three dumps were ther within the lease area.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No valid approved document.	OB dumps were outside the UPL limit where as Top soil dump was within the UPL limit.	
4e	Number of active and alive dumps.	No valid approved document.	All the three dumps were active dumps during mining .	
4f	Number of dead dumps.	No valid approved document.	No dead dump was within the lease area.	

4g	Number of dumps established.	No valid approved document.	No dumps were established as on date of inspection.
4h	Whether Retaining wall or garland drain all along dumps are there.	No valid approved document.	No retaining wall or garland drain were there all along the dumps.
4i	Length of Retaining wall or garland drain all along dumps	No valid approved document.	No garland or retaining wall were there.
4j	Number of settling ponds	No valid approved document.	No settling pond has been constructed within the lease area.
4k	Specific comments of inspecting officer on waste dump management	No valid approved document.	Mine is not in operation since July ,2012 for want of EC.Three dumps were there ,within the lease area.

#### Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	Actual work	Remarks
5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	No valid approved document.	No backfilling was carried as mine was not fully extracted or not matured for backfilling.	Mine is not in operation since July ,2012 for want of EC.
5b	Area under backfilling of mined out area	No valid approved document.	Area under backfilling was nil as mine is not matured for backfilling.	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No valid approved document.	Top soil was stacked as separate dump .since mine is not matured for backfilling top soil not utilised to spread over backfilled area.	
5d	Total area fully reclaimed and rehabilitated	No valid approved document.	Total area fully reclaimed and rehabilitated as NIL,as backfilling not started.	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No valid approved document.	Lease area not yet matured for backfilling.Presently mine is not in operation.	Mine is not in operation since July ,2012 for want of EC.

Progressive Mine Closure Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	No valid approved document.	Annual report on PMCP has not submitted by the lessee as lessee has no valid approved proposal.	
6b	Area available for rehabilitation (ha) .	No valid approved document.	Area not matured for backfilling,no rehabilitation.	Mine is not in operation since July ,2012 for want of EC.
6c	afforestation done (ha).	No valid approved document.	no information of afforestation carried by the lessee.	
6d	No. of saplings planted during the year	No valid approved document.	no information of afforestation carried by the lessee.	Mine is not in operation since July ,2012 for want of EC.
6e	Cumulative no .of plants	No valid approved document.	no information of afforestation carried by the lessee.	
6f	Any other method of rehabilitation	No valid approved document.	Lease area not matured for reclamtion and rehabilitation.	
6g	Cost incurred on watch and care during the year	No valid approved document.	Nil,as Lease area not matured for reclamtion and rehabilitation.	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( Lx B x D	No valid approved document.	Mine is not matured for reclamation,rehabilitati on by backfilling..	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No valid approved document.	Mine is not matured for reclamation,rehabilitati on by backfilling..	
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestati on on backfilled area	No valid approved document.	Not Applicable,Mine is not matured for reclamation,rehabilitati on by backfilling.	



6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No valid approved document.	No reservoir has been created .	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	No valid approved document.	Not Applicable	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	No valid approved document.	Not Applicable	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	No valid approved document.	Not Applicable	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No valid approved document.	Not Applicable	
6p	Compliance of environmental monitoring (core zone and buffer zone)	No valid approved document.	No information with respect to environmental monitoring.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No valid approved document.	Mine is not in operation since July ,2012 for want of EC.Lessee has not yet started work regarding PMCP.	Mine was suspended on 27/03/2015.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No valid approved document.	No grade wise sorting done in the lease area,only blending of high grade ore with lower grade ore carried before sespatch.	

7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No valid approved document.	Mannually sorting and blending of high grade ore with lower grade ore carried within the lease area.	
7c	Different grade of mineral sorted out at mines.	No valid approved document.	No grade wise sorting practiced within the lease area.	
7d	Any beneficiation process at mines	No valid approved document.	No mineral beneficiation procee done within the lease area.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	No valid approved document.	There is no such issue pertaing to Mineral conservation in the lease area.	Mine is not in operation since July ,2012 for want of EC.Mine was suspended on 27/03/2015.

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Environment :

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No valid approved document.	Mine is not in operation since July ,2012 for want of EC. Top soil so generated wsa dumped seprately.	
8b	Concurrent use or storage of topsoil	No valid approved document.	Top soil so generated has been dumped seprately.Presently Mine is not in operation since July ,2012 for want of EC.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No valid approved document.	Seprated dumps are there for top soil,and OB.	Mine is not in operation since July ,2012 for want of EC.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No valid approved document.	OB ,top soil were dumped seprately .They will be used for backfilling . Presently mine is not matured for backfilling. Mine is not in operation since July ,2012 for want of EC.	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No valid approved document.	OB ,top soil were dumped seprately .They will be used for backfilling . Presently mine is not matured for backfilling. Mine is not in operation since July ,2012 for want of EC.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	No valid approved document.	No information available regarding plantation.	Mine is not in operation since July ,2012 for want of EC.
8g	Survival rate	No valid approved document.	No plantaion was done.Mine is not in operation since July ,2012 for want of EC.	
8h	Water sprinkling on roads to control airborne dust	No valid approved document.	No information about use of water sprinkler as Mine is not in operation since July ,2012 for want of EC.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	No valid approved document.	About 6.0 ha area out of 35.85 ha, area used for mining and allied activites .Lease area surrounded by fores ,there is no disturbance in asthetic beauty of the lease area due to mining activity.	

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#### Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	lessee is not submitting Annual and Monthly return regularly,Lat Annual return was submitted for 2013-14.	Last Annual return submitted of 2013-14 in which allitems left blank.Mine is not in operation since July ,2012 for want of EC.And mine was suspended on 27/03/2015.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Last Annual return submitted for the year 2013-14. Name of Mining Engineer and geologist not given	Annual Return not submitted..Mr J N upadhyay ,mining Engineer use to look after the mining activity.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	AR not submitted.	About 5.075 ha area used for mining activity and 0.16 ha used for dumping.	Mine is not in operation since July ,2012 for want of EC.
9d	Scrutiny of Annual return on afforestation	No information furnishe d in annual return of 2013-14.	Mine is not in operation since July ,2012 for want of EC.	Mine is not in operation since July ,2012 for want of EC.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No informarmation furnished in annual return of 2013-14.	No mineral reject generated .	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Annual return not submitted.	Production during 2013-14 to 2015-16 was nil.	Mine is not in operation since July ,2012 for want of EC.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Annual return not submitted after 2013-14.	No information furnished in AR 2013-14. Mine is not in operation since July ,2012 for want of EC.	
9h	Scrutiny of Annual return on fixed assets	Last AR submitted for the year 2013-14.	No information furnished.	
9k	Scrutiny of Annual return on mining machineries	Last AR submitted for the year 2013-14.	No information furnished.Mine is not in operation since July ,2012 for want of EC.	Mine was suspended on 27/03/2015.

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**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 K SINGH)**

Indian Bureau of Mines