

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

MCDR INSPECTION REPORT

Ranchi regional office

Mine file No : BIH/PAL/LST/309/RRO

Mine code : 38BHR18006

- (i) Name of the Inspecting : **S001**) **B K SINGH**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Ashok Kumar Mines manager & Sri Shailender kumar
Official with
Designation
- (iv) Date of Inspection : 18/08/2015
- (v) Prev.inspection date : 28/01/2015

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SEMRA/SALATUA(53.02 HECT)**
- (b) **Registration NO.** : **IBM/5281/2011**
- (c) **Category** : **A Other than Fully Mech.**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **JHARKHAND**
- District : **PALAMAU**
- Village : **SEMRA SALATUA**
- Taluka : **CHAINPUR**
- Post office : **SEMRA**
- Pin Code : **822101**
- FAX No. : **0651-2491916**
- E-mail : **contact@jsmdc.in**
- Phone : **0651-2491841,2491842,249180**
- (f) **Police Station** : **CHAINPUR**
- (g) **First opening date** : **12/03/1976**
- (h) **Weekly day of rest** : **WED**
2. **Address for** : **VILL-SEMRA**
correspondance **P.O.-CHAINPUR**
DIST.-PALAMAU, JHARKHAND
3. (a) **Lease Number** : **BHR0011**
- (b) **Lease area** : **1043.84**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **02/04/1996**
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 SIDDIQUE P.
MS JSMDL LTD KHANIJ NIGAM
BHAWAN, DORANDA RANCHI
RANCHI JHARKHAND
Phone:
FAX :

Agent : SRI ASHOK KUMAR
J.S.M.D.C LTD PROJECT
OFFICE, AT/P.O- DALTONGANJ,
JHARKHAND- 822101 PALAMAU
JHARKHAND
Phone: +91 9431575546(M)
FAX :

Mining Engineer

Name : ASHOK KUMAR, Full Time
Qualification : B.E.(MINING)
Appointment/ : 05/01/2010
Termination date

Manager

Name : SRI ASHOK KUMAR
Qualification : B.SC(MIN)
Appointment/ : 05/01/2010
Termination date

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 approved document.	No exploration has been carried.	Mine is not working since September 2012 for want of E C.
1b	Exploration over lease area for geological axis 1 or 2	No valid approved document.	No exploration has been carried .	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal.	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No valid approved document.	NA	
1e	Balance reserve as on 01/04/20	As on 01.4.2014 Probable - 1984554 MT	No production since september 2012 for want of EC. Reserve as on 01.04.2015 Probable -1984554 MT.	
1f	General remarks of inspecting officers on geology, exploration etc	No valid approved document.	Mine is not working since September 2012 for want of E C.	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	No valid approved document.	Mine is not working since September 2012 for want of E C.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No valid approved document.	Separate irregular benches were there in ob and waste.	
2c	Stripping ratio or ore to OB ratio	No valid approved document.	Since mine is not working since sep,2012, No production and no waste.	
2d	Quantity of topsoil generation in m3	No valid approved document.	NA	

2e	Quantity of overburden generation in m3	No valid approved document.	NA
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	No valid approved document.	Mine is not working since September 20121 for want of E C.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	No valid approved document.	NA	
3b	Quantity of ROM mineral production proposed	No valid approved document.	NA	
3c	Recovery of sailable/usable mineral from ROM production	No valid approved document.	Average recovery percentage was 80-85% .	
3d	Quantity of mineral reject generation	No valid approved document.	NA	
3e	Grade of mineral rejects generation and threshold value declared.	No valid approved document.	NA	
3f	Quantity of sub grade mineral generation.	NA	No subgrade Generation.	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Mannual method adopted for segregating from ROM.	NA	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No valid approved document.	NO	

3j	Provision of drilling and blasting in mineral benches	NA	Mine is not working since September 20121 for want of E C.
3k	Provision of mining machineries in mineral benches	No valid approved document.	NA
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No valid approved document.	NA
3m	Total area covered under excavation/pits	NA	There are 20 nos quarries havebeen developed in the area.Total area coverd under excavation is 17.97 ha.
3n	Ore to OB ratio for the pit/mine during the year.	No valid approved document.	Mine is not working since September 20121 for want of E C.
3o	Total area put in use under different heads at the end of year	No valid approved document.	Area under mining-17.97 ha and dump-2.75 ha.
3p	Production of ROM mineral during the last five year period as applicable	No valid approved document.	as per office record production of last five years is given below: 2008-09 : 54472 MT 2009-10 : 37631 MT 2010-11 : 25279 MT 2011-12 : 10805 MT 2012-13 : 4047 MT Mine is not working since September 20121 for want of E C.
3q	General remarks of inspecting officers on method of mining etc.	No valid approved document.	Mine is not working since September 20121 for want of E C.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NA	Seperate dumps for OB was there.	

4b	Location of topsoil, OB and mineral reject dumps	No valid approved document.	Six dumps were located in the lease area. three near Semra block and three near Salatua block.
4c	Number of dumps within lease area and outside of lease area	No valid approved document.	All six dumps were within the lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No valid approved document.	Dumps were outside UPL.
4e	Number of active and alive dumps.	No valid approved document.	Two dumps are active dump.
4f	Number of dead dumps.	No valid approved document.	four dumps are dead dumps.
4g	Number of dumps established.	No valid approved document.	NA
4h	Whether Retaining wall or garland drain all along dumps are there.	No valid approved document.	No retaining walls all along the dumps were there.
4i	Length of Retaining wall or garland drain all along dumps	NA	No retaining wall.
4j	Number of settling ponds	No valid approved document.	NA
4k	Specific comments of inspecting officer on waste dump management	No valid approved document.	Out of six dumps two were active and rest were dead.

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 approved document.	Mineout areas are still not fully exhausted hence no backfilling.	
5b	Area under backfilling of mined out area	No valid approved document.	Backfilling not yet started.	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No valid approved document.	No concurrent use of top soil for reclamation and rehabilitation.
5d	Total area fully reclaimed and rehabilitated	No valid approved document.	NIL
5e	General remarks of inspecting officers on backfilling and reclamation etc.	No valid approved document.	Backfilling will start after total exhaustion of mineral in quarries.

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).	No such proposal.	Not submitted.	
6b	Area available for rehabilitation (ha) .	NA	Area not matured for reclamation & rehabilitation.	
6c	afforestation done (ha).	No valid approved document.	NA	
6d	No. of saplings planted during the year	NA	50 sapplings.	
6e	Cumulative no .of plants	NA	NA	
6f	Any other method of rehabilitation	NA	NA	
6g	Cost incurred on watch and care during the year	NA	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NA	NA	

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	NA	NA
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	NA	NA
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	NA	NA
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	NA	NA
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	NA	NA
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	NA	NA
6p	Compliance of environmental monitoring (core zone and buffer zone)	NA	Air water and noise monitoring carried on quarterly basis reported.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	No valid approved document.	Mine is not working since September 2012 for want of E C.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	NA	Hand sorting and mechenical screening carried.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	
7c	Different grade of mineral sorted out at mines.	NA	No subgrade generation .	
7d	Any beneficiation process at mines .	NA	Lower materials were blended with grade to ensure the required grade.	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	NA	There is no issue of mineral conservation.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NA	Soil is gritty in nature	
8b	Concurrent use or storage of topsoil	NA	NA	

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	There are six dumps inthe lease area.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	Back filling not yet started.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NA	Major part of thee lease area is in forest.natural vegetation in the lease area is specticular.
8g	Survival rate	NA	survival rate is about 50%.
8h	Water sprinkling on roads to control airborne dust	NA	Watert sprinkler not used inthe mine haul road.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	NA	Mine is not working since September 2012 for want of E C.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Lessee has submitted AR and Monthly return.	Lessee has submitted AR and Monthly return.	

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri Ahok Kumar is the Mining Engineer amd mines manager.	Sri Ahok Kumar is the Mining Engineer amd mines manager.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use pattern as given in AR is as follows: Area covered under current working - 59.170ha Area used for waste disposal- 3.105ha Occupied by plant and Buildings & Road-2.217ha	Area covered under current working - 59.170ha Area used for waste disposal-3.105ha Occupied by plant and Buildings & Road-2.217ha
9d	Scrutiny of Annual return on afforestation	50 nos. of plants planted with survival rate 50 %.	50 nos. of plants planted with survival rate 50 %.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	NA	No generation of reject.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	NA	Mine is not working since September 2012 for want of E C.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	All items left blank.	All items left blank.
9h	Scrutiny of Annual return on fixed assets	NIL	NA
9k	Scrutiny of Annual return on mining machineries	NA	NA

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 K SINGH)

Indian Bureau of Mines