

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

**MCDR inspection REPORT**

**Hyderabad regional office**

**Mine file No :** AP/ADB/MN-30/HYD

**Mine code :** 40APR01018

- (i) Name of the Inspecting : **25** ) **SHRI IBRAHIM SARIF**  
Officer and ID No.
- (ii) Designation : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine :  
Official with  
Designation
- (iv) Date of Inspection : 17/01/2020
- (v) Prev.inspection date : 10/03/2017

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **BHORAJ(122.65 HA)**
- (b) **Registration NO.** : **IBM/733/2011**
- (c) **Category** : **B Manual**
- (d) **Type of Working** : **Opencast**
- (e) **Postal address**
- State : **TELANGANA**
- District : **ADILABAD**
- Village :
- Taluka :
- Post office :
- Pin Code :
- FAX No. :
- E-mail :
- Phone : **9822033153**
- (f) **Police Station** :
- (g) **First opening date** : **17/04/2015**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **M/s Balaji Electro Smelters Ltd.,**  
**Post Box 26, Plot No.B-18, MIDC, LOHARA**  
**YAVATMAL-445001**
3. (a) **Lease Number** : **APR2411**
- (b) **Lease area** : **122.59**
- (c) **Period of lease** : **20**
- (d) **Date of Expiry** : **13/07/2029**
4. **Mineral worked** : **MANGANESE ORE** **Main**

## 5. Name and Address of the

Lessee : BALAJI ELECTRO SMELTERS LTD  
PLOT NO.B-18, MIDC YEOTMAL  
MAHARASHTRA  
Phone:07232 245048  
FAX :

Owner : BALAJI ELECTRO SMELTERS LTD.  
PLOT NO. 18, MIDC, LOHARA  
YEOTMAL MAHARASHTRA  
Phone: 07232 245048  
FAX : 07232 244048

6. Date of approval of Mining	:	MP review under 17(1) MCR 2016	03/11/2016
Plan/Scheme of Mining	:	MP review under 17(1) MCR 2016	03/05/2019

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	None	None	
1b	Exploration over lease area for geological axis 1 or 2	11 Pits, each of dimension 4m X 4m X 4m & volume 64 m3)	5 Trial Pits 6 DTH Holes 12 Core holes.	-
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Self , Not Proposed	Self, Rs. 625000/- only	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	120.92 ha	
1e	Balance reserve as on 01/04/20	12603 MT	15527 MT	Updated reserves as per latest exploration
1f	General remarks of inspecting officers on geology, exploration etc			

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	South portion of lease area.	As proposed	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed	As proposed	
2c	Stripping ratio or ore to OB ratio	1:8.5	1:8.5	
2d	Quantity of topsoil generation in m3	1634	1000	
2e	Quantity of overburden generation in m3	6127	5000	

2f General remarks of inspecting officers on development of pit w.r.t. type of deposit etc

### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	2043 MT	1729 MT	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	0%	0%	
3e	Grade of mineral rejects generation and threshold value declared.	Below 10%	Below 7% Mn	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Manual	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	
3j	Provision of drilling and blasting in mineral benches	Jackhammer drilling & blasting	Jackhammer drilling & blasting	

3k	Provision of mining machineries in mineral benches	NIL		NIL	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	1.5		1.5	
3m	Total area covered under excavation/pits	0.26 ha		0.26 ha	
3n	Ore to OB ratio for the pit/mine during the year.	1: 8.5		1: 8.5	
3o	Total area put in use under different heads at the end of year	0.73		0.73	
3p	Production of ROM mineral during the last five year period as applicable	2014-15 Lapse 2015-16 Lapse 2016-17 1947 2017-18 2002 2018-19 2043	2014-15 00 2015-16 00 2016-17 144 2017-18 2190 2018-19 1729		Company could not start the mining operation till 2015-16 due to non clearance of EC.& CFO
3q	General remarks of inspecting officers on method of mining etc.				

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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)	Proposed	As Proposed	
4b	Location of topsoil, OB and mineral reject dumps	South part of the area	As Proposed	
4c	Number of dumps within lease area and outside of lease area	ONE	ONE	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)		
4e	Number of active and alive dumps.	ONE	ONE
4f	Number of dead dumps.	NIL	NIL
4g	Number of dumps established.		
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposed	NIL
4i	Length of Retaining wall or garland drain all along dumps	Proposed	nil
4j	Number of settling ponds	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management		

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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	Full Extraction	
5b	Area under backfilling of mined out area	0.14 ha	0.03 ha	

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	After extraction of ore from the pit, the backfilled area will be leveled & reclaimed by spreading and leveling with top soil in a proper manner so that the land is restored to its original status.	Top Soil was used reclamation of backfilled area
5d	Total area fully reclaimed and rehabilitated	0.04 ha	0.04 ha
5e	General remarks of inspecting officers on backfilling and reclamation etc.		

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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).			
6b	Area available for rehabilitation (ha) .	0.04 ha	0.04 ha	
6c	afforestation done (ha).	Mined out rehabilitated area was proposed to use for agriculture purpose.	Agriculture activities were stared in rehabilitated area	-
6d	No. of saplings planted during the year	Not Proposed	Nil	
6e	Cumulative no .of plants	Not Proposed	Nil	

6f	Any other method of rehabilitation	Not Proposed	Nil
6g	Cost incurred on watch and care during the year	Not Proposed	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling ( L x B x D	0.14 ha	0.03ha
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	0.14 ha	0.03 ha
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Not proposed	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not proposed	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not proposed	Nil
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	50 plants	20 Plants
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	0.04 ha	0.04 ha



6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Plantation in BZ	Plantation in Barrier zone
6p	Compliance of environmental monitoring (core zone and buffer zone)	No Proposal	Nil
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM mineral dispatched	ROM Mineral Dispatched	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual	Manual	
7c	Different grade of mineral sorted out at mines.	Proposed	As Proposed	
7d	Any beneficiation process at mines	NIL	NIL	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	As Proposed
8b	Concurrent use or storage of topsoil	Proposed	As Proposed
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Proposed	As Proposed
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not Proposed	Stacked separately for future purpose.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed	NA
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		
8g	Survival rate		
8h	Water sprinkling on roads to control airborne dust	Proposed	As Proposed
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		

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Compliance of Rule 45:

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Sl.No.	Item	Proposals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to December 2019 A. R submitted up to YEAR 2018-19	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Ravi Zade	Nil
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under Pit-0.26 ha Reclaimed - 0.17 ha	Area under Pit 0.26 ha Reclaimed-0.17 ha 0.3 Pond
9d	Scrutiny of Annual return on afforestation	20 Plants	20 Plants
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM stock- Nil Graded ore- 7.73 tonnes	ROM stock- Nil Graded ore- 7.73 tonnes
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale Value Below 25% - 3990 25-35% -7133 Ex mine price Below 25% - 3990 25-35% -7133 Production Cost. Rs.3101/- per MT	Sale Value Below 25% -3990 25-35% -7133 Ex mine price Below 25% -3990 25-35% -7133 Production Cost. Rs.3101/- per MT
9h	Scrutiny of Annual return on fixed assets	Rs.9,00,000/-	
9k	Scrutiny of Annual return on mining machineries	Nil	Nil

**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 :**

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines