

**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 : C\$10) Ch.Suseela
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri. K.U.JENEKAR, CONSULTANT
Official with
Designation
- (iv) Date of Inspection : 10/03/2017
- (v) Prev.inspection date : 08/10/2015

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** : 122.6
- (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 20/10/2016
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 Specific Proposal	7 core bore holes	Every core bore hole except BH 1 given the proof of the presence of Manganese Ore.
1b	Exploration over lease area for geological axis 1 or 2	NIL	1.43 ha	Mining Plan approved on 3.11.2016. Hence there are no proposals for the year 2015-16.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	NIL	Lessee Rs.1,75,000/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	NIL	121.22 ha	
1e	Balance reserve as on 01/04/20	16,666 tons	16,666 tons Grade 25-27% Mn	
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	NIL	South side of ML	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NIL	Separate benches for top soil, over burden & Manganese is maintained	
2c	Stripping ratio or ore to OB ratio	NIL	1:5	
2d	Quantity of topsoil generation in m3	NIL	Appx. 25 m3	
2e	Quantity of overburden generation in m3	NIL	Appx. 300 m3	

2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The mine is not working as on date of inspection.
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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	NIL	One Pit	Not working as on date of inspection.
3b	Quantity of ROM mineral production proposed	NIL	32 tonnes	
3c	Recovery of sailable/usable mineral from ROM production	NIL	85 %	
3d	Quantity of mineral reject generation	NIL	3 tonnes	
3e	Grade of mineral rejects generation and threshold value declared.	NIL	Below 9% Mn	
3f	Quantity of sub grade mineral generation.	NIL	NIL	
3g	Grade of sub grade mineral generation	Not Applicable	Not Applicable	
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.	NIL	NIL	
3j	Provision of drilling and blasting in mineral benches	Jack Hammer drilling	Jack Hammer drilling	

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	NIL	Yes, 1.5 m
3m	Total area covered under excavation/pits	0.21 ha	0.21 ha
3n	Ore to OB ratio for the pit/mine during the year.	1:5	1:5
3o	Total area put in use under different heads at the end of year	0.21 ha	0.21 ha
3p	Production of ROM mineral during the last five year period as applicable	2011-12--1935 t, 2012-13--1890 t, 2013-14--2072 t, 2014-15--2160 t, 2015-16-No proposal (Lapsed period)	2011-12--NIL, 2012-13--NIL, 2013-14--NIL, 2014-15--NIL, 2015-16--32 T
3q	General remarks of inspecting officers on method of mining etc.	_____	_____

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NIL	Waste is being utilised for concurrent back filling. Top soil is stacked separately.	
4b	Location of topsoil, OB and mineral reject dumps	NIL	Stacked near pit I & II	
4c	Number of dumps within lease area and outside of lease area	NIL	Waste from the dump is being utilised for backfilling of the mined out area.	

4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	NIL	Adjacent to the working pit, within UPL, since concurrent back filling is proposed.
4e	Number of active and alive dumps.	NIL	Two active dumps
4f	Number of dead dumps.	NIL	NIL
4g	Number of dumps established.	N.A	N.A
4h	Whether Retaining wall or garland drain all along dumps are there.	N.A	N.A
4i	Length of Retaining wall or garland drain all along dumps	N.A	N.A
4j	Number of settling ponds	N.A	N.A
4k	Specific comments of inspecting officer on waste dump management	_____	_____

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.	NIL	NIL	Active mining has not been started so far.
5b	Area under backfilling of mined out area	NIL	NIL	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	NIL	NIL	Once back filling is completed , rehabilitation will be taken up.
5d	Total area fully reclaimed and rehabilitated	NIL	NIL	Active mining has not been started so far. Hence area not matured for reclamation.

5e General remarks _____
of inspecting _____
officers on _____
backfilling and _____
reclamation etc.

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).	NIL	Not Applicable since there is no proposals for the year 2015-16.	
6b	Area available for rehabilitation (ha) .	Not Applicable	Not Applicable	
6c	afforestation done (ha).	Not Applicable	Not Applicable	
6d	No. of saplings planted during the year	Not Applicable	Not Applicable	
6e	Cumulative no .of plants	Not Applicable	Not Applicable	
6f	Any other method of rehabilitation	Not Applicable	Not Applicable	
6g	Cost incurred on watch and care during the year	Not Applicable	Not Applicable	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not Applicable	Not Applicable	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	Not Applicable	Not Applicable	

6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	Not Applicable	Not Applicable	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Not Applicable	Not Applicable	
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	Not Applicable	Not Applicable	
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	Not Applicable	Not Applicable	
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	Not Applicable	Not Applicable	
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	Not Applicable	Not Applicable	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Not Applicable	Not Applicable	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	_____	_____	_____

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	NIL	Grade wise sorting
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NIL	Manual
7c	Different grade of mineral sorted out at mines.	NIL	Below 25% Mn
7d	Any beneficiation process at mines	NIL	NIL
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	_____	_____

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	NIL	Top soil is being dumped separately and will be utilised after back filling of the mineralised area	There is no proposal during the year 2015-16 since the mining plan was approved on 3.11.2016
8b	Concurrent use or storage of topsoil	NIL	Top soil is being dumped separately and will be utilised after back filling of the mineralised area	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NIL	Yes	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NIL	The waste dumps are concurrently used for backfilling.	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NIL	Mined out pits are being concurrently backfilled.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	NIL	Plantation not done during the year. Cultivation is being carried out in rehabilitated area.	
8g	Survival rate	_____	_____	
8h	Water sprinkling on roads to control airborne dust	NIL	Since the mining operations are being carried out manually, no dust will arise.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	_____	_____	Nothing to highlight

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual Returns submitted up to date	Monthly and Annual Returns submitted up to date	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri. Pradeep Pimpalshende, Mining Engineer	Sri. Pradeep Pimpalshende, Mining Engineer	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pits-0.21 ha	Area under pits-0.21 ha	
9d	Scrutiny of Annual return on afforestation	NIL	NIL	

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	32 tonnes	32 tonnes
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value-0(Captive consumption) Ex. Mine Price- Rs.1460/- Cost of production- Rs.1460/-	Sale value-0(Captive consumption) Ex. Mine Price- Rs.1460/- Cost of production- Rs.1460/-
9h	Scrutiny of Annual return on fixed assets	Rs.7,00,000/-	Rs.7,00,000/-
9k	Scrutiny of Annual return on mining machineries	_____	_____

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 :

(Ch.Suseela)

Indian Bureau of Mines