

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

Mining Plan Modification REPORT

Hyderabad regional office

Mine file No : AP/ADB/MN-23/HYD

Mine code : 40APR01012

- (i) Name of the Inspecting : **DP09**) **D.P.Ravi kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : ACCOMPANIED BY S/SHRI V.T.CHANDER QP AND CH
Official with
Designation
- (iv) Date of Inspection : 09/02/2022
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **PIMPERKUNTA**
- (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. : **07232-242190**
- E-mail : **bes_ngp@sancharnet.in**
- Phone : **07232-244048 / 245048**
- (f) **Police Station** : **TAMASI**
- (g) **First opening date** : **01/02/2003**
- (h) **Weekly day of rest** : **SUN**
2. **Address for correspondance** : **M/S BALAJI ELECTRO SMELTORS**
PLOT NO. 18, MIDC, LOHARA
YAVATMAL, MAHARASHTRA.-445001
3. (a) **Lease Number** : **APR2280**
- (b) **Lease area** : **32.63**
- (c) **Period of lease** : **50**
- (d) **Date of Expiry** : **14/09/2054**
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 : ANUP KAPARTHI
 7, SHIVANJALI, BALAJI
 SOCIETY, YAVATMAL-445001
 ADILABAD TELANGANA
 Phone:
 FAX :

Mining Engineer

Name : K.U.JUNEKAR,Part Time
 Qualification : B.E(MINING)
 Appointment/ : 20/10/2008
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	16/04/2004
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	17/03/2009
		Mining Scheme rule 12 MCDR1988	22/02/2013
		MP modif under MCR 1960	19/10/2015
		MP review under 17(1) MCR 2016	26/06/2019

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	None	Nil	
1b	Exploration over lease area for geological axis 1 or 2	2.277	2.77	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	M/S BALAJI ELECTRO SMELTERS LIMITED RS. 40500	M/S BALAJI ELECTRO SMELTERS LIMITED RS. 40500	
1d	Balance area to be explored to bring Geological axis in 1 or 2	30.353 HA		
1e	Balance reserve as on 01/04/20		AS ON 01.04.2021, THE RESERVES ARE 29,387.95 T. MODIFIED MINING PLAN WAS APPROVED ON 24.02.2022	
1f	General remarks of inspecting officers on geology, exploration etc			The manganese ore bed has been found to occur as thin bands in association with limestone. Both the limestones are highly silicious. The limestone along with the conformable manganese bed have been found to strike along East-West and dipping towards south at angles varying between 7 degrees to 12 degrees. The ore bed occurring at a very shallow depth i.e. 3 m to 6 m as could be seen from the existing working pits and boreholes.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	south of pit - - 1		Development carried out in Existing Pit .
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Separate benches proposed	As proposed	
2c	Stripping ratio or ore to OB ratio	1:0.25	1:0.25	
2d	Quantity of topsoil generation in m3	817	Nil	
2e	Quantity of overburden generation in m3	7350	188	Development carried out in Existing Pit
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Development and production was proposed between the grids of E-236286-236486 & N 2185230 - 2185430 and achieved in the same location. Further, lessee has submitted the modified Mining Plan for change in working proposals and the same was approved on 24.02.2022.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	

3b	Quantity of ROM mineral production proposed	2,741.76 T	28 T	Mine was not worked continuously due to labour / workers problem and lack of demand of the material. As per the annual return 2020-21, the mine was operated for 12 days only. Further, lessee has submitted the modified Mining Plan for change in working proposals and the same was approved on 24.02.2022.
3c	Recovery of saleable/usable mineral from ROM production	100%	100%	Mine was not worked continuously due to labour / workers problem and lack of demand of the material.
3d	Quantity of mineral reject generation	Nil	Nil	Mine was not worked continuously due to labour / workers problem and lack of demand of the material.
3e	Grade of mineral rejects generation and threshold value declared.	< 10 %	< 10 %	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	Nil	Nil	
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 and blasting	Jackhammer drilling and 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	Yes	Yes	
3m	Total area covered under excavation/pits	1.01	0.90	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.25	1:0.25	
3o	Total area put in use under different heads at the end of year	0.5395 ha	0.21 ha	
3p	Production of ROM mineral during the last five year period as applicable	2020-21=2741	2016-17=0, 2017-18=0, 2018-19=400, 2019-20=150, 2020-21=28	Mine was not worked continuously due to labour / workers probelm and lack of demand of material. Further, lessee has submitted the mofidied Mining Plan for change in working proposals and the same was approved on 24.02.2022.
3q	General remarks of inspecting officers on method of mining etc.	Manual method is proposed by carrying out mining operation.	Manual Method of mining is being adopted using Jack Hammer drill.	The lessee has submitted the mofidied Mining Plan for change in working proposals and the same was approved on 24.02.2022.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No seperate dump for waste is proposed,	Backfilling for spreading of waste and Top soil is carried out / utilized.	
4b	Location of topsoil, OB and mineral reject dumps	No top soil dump and waste dump proposed	Nil	
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)	No proposal, waste is being utiised for backfilling of mined out area	waste is utiised for backfilling of mined out area.	
4e	Number of active and alive dumps.	One	One	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	No Proposal	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	No Proposed	Nil	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Nil	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management			Waste generated is utilised for backfilling of mined out area. Further, lessee has submitted the modified Mining Plan for change in working proposals and the same was approved on 24.02.2022.

Solid Waste Management - Backfilling:

Sl.No.	Item	Propasals	Actual work	Remarks
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5a	Status of part or full extraction of mineral from mined out area before starting backfilling.	Simultaneous backfilling proposed	Backfilled as well as reclamation & rehabilitated.
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)	Raising Plantation	Done
5d	Total area fully reclaimed and rehabilitated	No Proposal Made	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.		The mined out area is backfilled by waste siliceous limestone.

Progressive Mine Closure Plan:

Sl.No.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	To be submitted regularly	Submitted	
6b	Area available for rehabilitation (ha) .	Not proposed	Nil	
6c	afforestation done (ha).	0.030 ha	0.030 ha	
6d	No. of saplings planted during the year	60	60	
6e	Cumulative no .of plants			During the site inspection, it was observed lessee has planted about 220 numbers of plants(cumulative)

6f	Any other method of rehabilitation	No proposal	Nil
6g	Cost incurred on watch and care during the year	No Proposal Made	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No Proposal Made	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on on backfilled area	No Proposal Made	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No Proposal Made	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No Proposal Made	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No Proposal Made	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No Proposal Made	Nil

6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	No Proposal Made	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	No Proposal Made	Nil	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Plantation is being carried out to improve aesthetixc beauty also PMCP maasures were implemenetd as proposed.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM generated is to be sorted and sized manually and dispatched	Entire ROM generated is being sorted and sized manually and 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		ROM generated is sorting & Sizing manually. Entire ROM generated is reported to have been dispatched. Furher, lessee has submitted the mofidied Mining Plan for change in working proposals and the same was approved on 24.02.2022.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Proposed	As proposed	
8b	Concurrent use or storage of topsoil	The soil will be utilised for raising the plantation over it.	Due to Working in Existing Pits no Top Soil is Excavated	Due to Working in Existing Pits no Top Soil is Excavated
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	The waste rock generated will be progressively backfilled into the worked out pits i.e. cut and fill method.	Generated overburden, waste rock is used for Back Filled	Generated overburden, waste rock is used for Back Filled
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No Proposal Made	stacked seperatly for future purpose.	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No Proposal Made	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	60 Plants Proposed	60 plants planted	
8g	Survival rate		40%	
8h	Water sprinkling on roads to control airborne dust	No proposal	Nil	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Aesthetic beauty in and around mines area is maintained.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual Returns to be submitted regularly.	Submitted status is satisfactory.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer In-Charge: Shri PradeepPimpals hende Geologist: Mohammad Rayce	Above persons are employed by the lessee.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current workins : 0.465ha., Occupied by plant, buildings, residential, welfare buildings & roads: 0.210 ha., reclaimed arae: 1.230 ha	Covered under current workins : 0.465ha., Occupied by plant, buildings, residential, welfare buildings & roads: 0.210 ha., reclaimed arae: 1.230 ha	
9d	Scrutiny of Annual return on afforestation	Nil	Lessee planted 60 numbers of 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	28 t	28 t	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Production cost: Rs: 2924	Production cost: Rs: 2924	
9h	Scrutiny of Annual return on fixed assets	Nil		
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 cause position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(D.P.Ravi kumar)

Indian Bureau of Mines