

INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION

Review and updation of Mining Plan REPORT

Hyderabad regional office

Mine file No : AP/ANP//Fe-11/HYD

Mine code : 30APR02009

- (i) Name of the Inspecting : M029) MADHU SUDHAN YADAV M
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri. Sivakumar Swamy, Mine Manager & Sri. Sridhar Bha
Official with
Designation
- (iv) Date of Inspection : 22-JUL-22
- (v) Prev.inspection date :

PART-I : GENERAL INFORMATION

1. (a) Mine Name : SAI BALAJI MINERALS
- (b) Registration NO. :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : ANDHRA PRADESH
District : ANANTAPUR
Village : OBULAPURAM
Taluka : D HIREHAL
Post office : OBULAPURAM
Pin Code : 515872
FAX No. : -
E-mail : -
Phone : 9440410979
- (f) Police Station : D.HIREHAL
- (g) First opening date : 21-OCT-07
- (h) Weekly day of rest : SUN
2. Address for :
correspondance
3. (a) Lease Number : APR2389
- (b) Lease area : 4.05
- (c) Period of lease : 20
- (d) Date of Expiry : 21-SEP-27
4. Mineral worked : IRON ORE Main

5. Name and Address of the

Lessee : M/S.SAIBALAJIMINERALS
M.SANJEEVARAYUDU (MG.PARTNER
) D.NO.1-4-590,
H,L.C.COLONY ANANTAPUR
ANANTAPUR ANDHRA PRADESH
Phone: CELLNO:9440410979
FAX :-

Owner : M/S.SAIBALAJI MINERALS,M.SANJEEVARAYUDU (MGPRTNR)
D.NO.1-4-590,H.L.C. COLONY
ANATAPUR ANANTAPUR ANDHRA
PRADESH
Phone: 9440410979
FAX :

6. Date of approval of Mining Plan/Scheme of Mining : Modif.of approved Mining Plan 04-FEB-09
MP modif under MCR 1960 29-MAR-16

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	17 Nos. of boreholes proposed in the 2017-18	17 Nos. of boreholes drilled	
1b	Exploration over lease area for geological axis 1 or 2	17 Nos. of boreholes proposed in the year 2017-18	17 Nos. of boreholes drilled in the year 2020-21	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	M/s. Sree Ragvendra Drilling & Exploration	
1d	Balance area to be explored to bring Geological axis in 1 or 2	17 Nos. boreholes proposed to drill	Entire mining lease is covered under G1 level of exploration by drilling 17 Nos. of boreholes	
1e	Balance reserve as on 01/04/20	----	Proved Mineral Reserves as on 01.04.2022 - 592082 Te	Reserves estimated based on the exploration drilled in the year 2020-21.
1f	General remarks of inspecting officers on geology, exploration etc			Two boreholes proposed to drill during the year 2022-23 to confirm the completed depth of the orebody.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	In the Section A-A' and B-B' area	Nil	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Proposed to maintain seperated bench for the mineral	Mineral benches developed	

2c	Stripping ratio or ore to OB ratio	1:0.1	Nil	
2d	Quantity of topsoil generation in m3	No proposal	Nil	
2e	Quantity of overburden generation in m3	2020-21 - 8319.17 cum	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			No development work carried out by the lessee due to suspension of mining operations by IBM.

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	2020-21 - 80490 Te	Nil	
3c	Recovery of sailable/usable mineral from ROM production	61%	Nil	
3d	Quantity of mineral reject generation	No proposal	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Nil	
3f	Quantity of sub grade mineral generation.	No proposal	Nil	
3g	Grade of sub grade mineral generation	Not applicable	Nil	

3h	Manual / Mechanised method adopted for segregating from ROM	Manual	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Nil
3j	Provision of drilling and blasting in mineral benches	Dilling and blasting proposed	Drilling and blasting done in the mineral benches
3k	Provision of mining machineries in mineral benches	Machineries proposed in the mineral benches	Machineries used in the mineral benches for drilling, loading and transportation.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to maintain the bench height of 6 meters.	Bench height is being maintained between 6 m.
3m	Total area covered under excavation/pits	2.042 Ha	2.035 Ha
3n	Ore to OB ratio for the pit/mine during the year.	1:0.1	Nil
3o	Total area put in use under different heads at the end of year	3.9 Ha	2.35 Ha

3p	Production of ROM mineral during the last five year period as applicable	2017-18 - 81246.51Tonnes 2018-19 - 73668.48 tonnes 2019-20 - 74674.95 Tonnes 2020-21 - 39039.39 Tonnes 2021-22 - 49098.9 Tonnes	2017-18 - Nil 2018-19 - Nil 2019-20 - Nil 2020-21 - Nil 2021-22 - Nil
----	--	---	---

3q	General remarks of inspecting officers on method of mining etc.	No mining activities carried out due to suspension of mining operations by IBM.
----	---	---

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed to dump the waste material seperately	Waste dump developed	
4b	Location of topsoil, OB and mineral reject dumps	One waste dump within the lease area	One waste dump within the lease area	
4c	Number of dumps within lease area and outside of lease area	One dump within the lease area	One dump within the lease area	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dump outside the UPL	Dump developed outside the UPL	
4e	Number of active and alive dumps.	One active dump	One active dump	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	No new dump established during the plan period	Nil	

4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	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			Retaining wall and garland drain proposed to construct around the waste dump during the Review of Mining Plan period approved on 19.04.2022

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 proposal	Nil	
5b	Area under backfilling of mined out area	No proposal	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal	Nil	
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	

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

The pit is not mined out upto its ultimate plt limit to start backfilling.

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).	To be submitted	Not submitted	Violation issued as per rule for not submitting the annual report.
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	2020-21 - 0.12 Ha	2020-21 - 0.12 Ha	
6d	No. of saplings planted during the year	2020-21 - 300 Nos.	2020-21 - 300 Nos.	
6f	Any other method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch and care during the year	No proposal	Nil	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Nil	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Nil	

6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	Nil	
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal	Nil	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposal	Nil	
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly environmental monitoring of core and buffer zone.	Monitoring not done.	Lessee has reported that monitoring work not done due to mining operations suspended by IBM.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Violation issued as per rule for not submitting the annual report on PMCP.
----	---	--

Mineral Conservation:

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

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal	Nil	

8b	Concurrent use or storage of topsoil	No proposal	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Seperate dump for waste	Waste material dumped seperately	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	300 Nos.	300 Nos.	
8g	Survival rate	No proposal	30%	
8h	Water sprinkling on roads to control airborne dust	Proposed to sprinkle water on the roads to control airborne dust	Water sprinkling arrangements done.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area			Plantation is being carried out in and around the mine to improve aesthetic beauty.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
--------	------	-----------	-------------	---------

9a	Status of submission of Monthly and Annual returns	To be submitted in time	Submitted in time
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager & Mining Engineer - Sri. Sivakumar Swamy Geologist - Sri. Sridhar Bhat	Manager & Mining Engineer - Sri. Sivakumar Swamy Geologist - Sri. Sridhar Bha
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Opencast working - 2.035 Ha Waste dump - 0.378 Ha Infrastructure - 0.353 Ha	Opencast working - 2.035 Ha Waste dump - 0.378 Ha Infrastructure - 0.353 Ha
9d	Scrutiny of Annual return on afforestation	300 Nos.	300 Nos.
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	Opening stock - 18785 Te Closing stock - 18785 Te	In the annual returns (2021-22) data for stock of 18785 tonnes of ROM, 7656 tonnes of lump ore and 776 tonnes of fine ore is submitted, whereas during inspection it was noticed that no such stock is present within the mining lease. Violation issued as per rule.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex-mine price is reported as Rs.808/- for lumps below 55% & Rs.579% for fines below 55%	Ex-mine price is Rs.808/- for lumps below 55% & Rs.579% for fines below 55%

9h	Scrutiny of Annual return on fixed assets	Fixed assest is reported as 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
MCDR17	Rule 26(2)	29-JUL-22			
MCDR17	Rule 27(2)	29-JUL-22			
MCDR17	Rule 33	29-JUL-22			
MCDR17	Rule 34(1)	29-JUL-22			
MCDR17	Rule 54(c)	29-JUL-22			
MCDR17	Rule 45(5) (c)	29-JUL-22			

Date : 01/09/2022

(MADHU SUDHAN YADAV M)

Indian Bureau of Mines