

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/VZNR/MN-A2/HYD

Mine code : 40APR20045

- (i) Name of the Inspecting : **RK13**) **A.V.Ramesh Kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Asok Konda Nominated Owner.
Official with
Designation
- (iv) Date of Inspection : 23-SEP-23
- (v) Prev.inspection date : 26-AUG-22

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **AVAGUDAM**
- (b) **Registration NO.** : **IBM/536/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
- State : ANDHRA PRADESH
- District : VIZIANAGARAM
- Village : AVAGUDAM
- Taluka : GARIVIDI
- Post office : VEDULLAVALASA
- Pin Code :
- FAX No. : 08952-282021
- E-mail : montymor@rediffmail.com
- Phone : 08952-282129
- (f) Police Station : GARIVIDI
- (g) First opening date : 08-MAR-68
- (h) Weekly day of rest : SUN
2. Address for : M/S RBSSD & FN DAS
correspondance : SREERAM NAGAR
GARIVIDI, VIZIANAGARAM DT.
3. (a) Lease Number : APR1283
- (b) Lease area : 13.87
- (c) Period of lease :
- (d) Date of Expiry : 06-DEC-25
4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the

Lessee : M/S RBSSD &FN DAS
M/S RBSSD &FN DAS PO
SHREERAMNAGAR
DIST:VZIANAGARAM
VIZIANAGARAM ANDHRA PRADESH
Phone: NIL.
FAX : NIL

Owner : M/S RBSSD &FN DAS
M/S R B S S D & F N D A S T U
M S A R, DIST
VIZIANAGARAM. VIZIANAGARAM
ANDHRA PRADESH
Phone: 089522---- 2021
FAX : NIL

Agent : K.V.MAHESWARA RAO
SHREERAM NAGAR GARIVIDI RS
VIZIANAGARAM-535101
VIZIANAGARAM ANDHRA PRADESH
Phone:
FAX :

Mining Engineer

Name : Shri Karna Ashok Reddy, Full Time
Qualification : B. Tech. (Mining)
Appointment/ : 01-JAN-21
Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	12-FEB-04
Plan/Scheme of Mining		Modif.approved Mining Scheme	31-JAN-06
		Mining Scheme rule 12 MCDR1988	06-FEB-09
		Modif.approved Mining Scheme	04-APR-11
		Mining Scheme rule 12 MCDR1988	17-DEC-13
		MP modif under 17(3) MCR 2016	19-SEP-16
		FMCP under 23C(1)	25-NOV-19
		MP modif under 17(3) MCR 2016	14-MAR-22

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	None	No comments
1b	Exploration over lease area for geological axis 1 or 2	---	The entire potentially mineralised zone was explored under g1 level of exploration.	No comments
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	None	None
1e	Balance reserve as on 01/04/20	---	The reserves as on 1.4.2023 are 7,11,020 tonnes	No comments to offer.
1f	General remarks of inspecting officers on geology, exploration etc	---	The entire potentially mineralised area has been explored under G1 level of exploration.	The lease area falls under eastern ghat mobile belt.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	It was proposed to develop between gridlines N 2030974 N 2031174 to E 767983 to E768183	Same was noticed during the inspection.	No deviation.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	It was proposed to have separate benches in OB and ore.	Separate benches in OB and ore were observed during the inspection. In OB there are 5 benches and in ore there are 2 benches.	No deviation.
2c	Stripping ratio or ore to OB ratio	1:3.17	1:3.47	No comments
2d	Quantity of topsoil generation in m3	Nil	Nil	None

2e	Quantity of overburden generation in m3	40,285 cubic meters	20.285 cubic meters	No comments
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	---	The lessee is carrying out development as proposed in the approved document.	No deviation noticed.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One No deviation	No comments
3b	Quantity of ROM mineral production proposed	41,316.20 tonnes	5,831 tonnes	No comments
3c	Recovery of sailable/usable mineral from ROM production	Nil	None	None
3d	Quantity of mineral reject generation	Nil	None	None
3e	Grade of mineral rejects generation and threshold value declared.	Nil	None	None
3f	Quantity of sub grade mineral generation.	Nil	None	None
3g	Grade of sub grade mineral generation	Nil	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	Nil	None	None
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	Nil	None

3j	Provision of drilling and blasting in mineral benches	It was proposed to carryout excavating the mineral by way of hydraulic excavator without any blasting	Same was noticed during the inspection.	No deviation
3k	Provision of mining machineries in mineral benches	It was proposed utilise excavator and tipper for excavating and Transporting the mineral.	Same was noticed during the inspection.	No comments
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to maintain 6 meters for each bench.	Same was noticed during the inspection.	No deviation
3m	Total area covered under excavation/pits	--	7.751 ha	No comments
3n	Ore to OB ratio for the pit/mine during the year.	1:3.17	1:3.47	No comments
3o	Total area put in use under different heads at the end of year	---	11.33 ha	No comments
3p	Production of ROM mineral during the last five year period as applicable	2018-19 - 64,699.75 2019-20 - 66,833.00 2020-21 - Not in possession. 2021-22 - 12,104.40 2022-23 - 28,921.0	2018-19 - 49,990.00 2019-20 - 49,930.00 2020-21 - Not in possession 2021-22 - Not in possession 2022-23- 5,831.0	No comments.

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)	It was proposed to dump OB separately.	Same was noticed during the inspection.	No comments
4b	Location of topsoil, OB and mineral reject dumps	N 2031074 - N 2031274 & E 767883 - E 768083	Same was noticed during the inspection.	No comments
4c	Number of dumps within lease area and outside of lease area	Two	Two	No deviation
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	The proposed dumps are proposed beyond UPL	Same was noticed during the inspection.	No comments
4e	Number of active and alive dumps.	Two	two	No deviation.
4f	Number of dead dumps.	--	--	No comments
4g	Number of dumps established.	--	--	No comments
4h	Whether Retaining wall or garland drain all along dumps are there.	---	Retaining wall & garland drain were constructed with following dimensions 460x1 x1.5 meters.	No comments
4i	Length of Retaining wall or garland drain all along dumps	--	Retaining wall & garland drain were constructed with following dimensions 460x1 x1.5 meters.	No comments
4j	Number of settling ponds	Nil	Nil	None
4k	Specific comments of inspecting officer on waste dump management	---	None	None

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.	Nil	None	None
5b	Area under backfilling of mined out area	Nil	None	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	None	None
5d	Total area fully reclaimed and rehabilitated	Nil	None	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Nil	None	No area matured for reclamation.

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).	Yes	yes	No comments
6b	Area available for rehabilitation (ha) .	0.40 ha	0.40 ha	No comments
6c	afforestation done (ha).	0.40 ha	0.40 ha	No comments
6d	No. of saplings planted during the year	100	200	No comments
6e	Cumulative no .of plants	---	2100	No comments
6f	Any other method of rehabilitation	---	None	None
6g	Cost incurred on watch and care during the year	---	No information available	None

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	---	None	None
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	None	None	None
6j	Compliance on reclamation and rehabilitation by backfilling (iii)Afforestation on on backfilled area	None	None	None
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	None	None	None
6l	Compliance on reclamation and rehabilitation by backfilling (v)any other specific means.	None	None	None
6m	Compliance of rehabilitation of waste land within lease (i)afforestation	None	None	None
6n	Compliance of rehabilitation of waste land within lease (ii)Area rehabilitation (ha)	None	None	None
6o	Compliance of rehabilitation of waste land within lease (iii)Method of rehabilitation	None	None	None

6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes	all the parameters are within permissible limits	No comments
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	---	None	No comments

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Manual screening & sorting of the manganese ore from the ROM has been proposed	Same was noticed during the inspection.	No comments
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Manual screening & sorting of the manganese ore from the ROM has been proposed	Same was noticed during the inspection.	No comments
7c	Different grade of mineral sorted out at mines.	Nil	None	None
7d	Any beneficiation process at mines	None	None	None
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	None	None	None

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	None	None	None
8b	Concurrent use or storage of topsoil	None	None	None
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	It was proposed to have separate dumps for the OB	Same was noticed during the inspection.	No comments
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	None	None
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	None	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	--	There is no vegetation in the lease area other than the afforestation taken up by the lessee.	No comments
8g	Survival rate	--	80%	No comments
8h	Water sprinkling on roads to control airborne dust	It was proposed to control the dust suppression by water sprinkling	Same was noticed during the inspection.	No comments
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	---	--	No comments

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	--	Yes being submitted in time	No comments
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the Annual return 2022-23, Sri Md. Amzad and Sri B. Ramana Murthy are appointed as Mining Engineer and Geologist	Same was confirmed during the inspection.	No comments
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit -7.751 Dump - 2.597 Others - 1.06	Same was noticed during the inspection.	No comments
9d	Scrutiny of Annual return on afforestation	200	Same was noticed during the inspection.	No comments
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	---	Nil	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	As per the Annual return 2022-23, the production reported was 5,831 tonnes. Further, as per Monthly returns from April, 2022 to March, 2023, the total production amounts to 5,831 tonnes	Same was noticed during the inspection.	No comments
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The ex-mine price as per Annual returns Submitted during the year 2022-23 for less than 25% was Rs.1,816/ & 25% to 35% - Rs. 5,272.83/- per tonne	Same was confirmed during the inspection.	No comments

9h	Scrutiny of Annual return on fixed assets	The value of fixed as sets reported was Rs. 9,08,01,517.00	It was not scrutinised.	No comments
9k	Scrutiny of Annual return on mining machineries	1.Shovel (Hydraulic) - 1 2. Tippers - 5 3.Watertanker- 1 4. Generator - 1 5 Pumps -2	Same was noticed during the inspection.	No comments

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 :

(A.V.Ramesh Kumar)

Indian Bureau of Mines