

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/VZNR/Mn- 130/Hyd

Mine code : 40APR20075

- (i) Name of the Inspecting : **RK13**) **A.V.Ramesh Kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri D.Shankarlal Sharma Lessee
Official with
Designation
- (iv) Date of Inspection : 03-MAY-23
- (v) Prev.inspection date : 19-OCT-16

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SHIV SHANTHI**
- (b) **Registration NO.** : **IBM/297/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address
- State : ANDHRA PRADESH
- District : VIZIANAGARAM
- Village :
- Taluka :
- Post office :
- Pin Code :
- FAX No. : _____
- E-mail : shivshanthi2008@gmail.com
- Phone : 9440517919
- (f) Police Station : BUDARAYAVALLASA
- (g) First opening date : 24-MAR-08
- (h) Weekly day of rest : SUN
2. Address for : D.SANKARLAL SHARMA
correspondance : DFN COLONY
SHREERAMNAGAR(PO) VIZIANAGARAM
3. (a) Lease Number : APR2381
- (b) Lease area : 4.97
- (c) Period of lease : 50
- (d) Date of Expiry : 12-MAR-58
4. Mineral worked : MANGANESE ORE Main

5. Name and Address of the

Lessee : D. SANKARLAL SHARMA
 DFN COLONY SHREERAMNAGAR
 (PO) VIZIANAGARAM ANDHRA
 PRADESH
 Phone:
 FAX :

Owner : D.SHANKAR LAL SHARMA
 DFN COLONY, SHREERAM NAGAR
 GARIVIDI VIZIANAGARAM
 DISTRICT VIZIANAGARAM
 ANDHRA PRADESH
 Phone: 9440517919
 FAX :

Manager

Name : S.K.MISHRA
 Qualification : B.TECH,MINING A.I.S.M.
 Appointment/ :
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	31-JUL-07
Plan/Scheme of Mining		Mining Scheme rule 12 MCDR1988	11-OCT-13
		MP review under 17(1) MCR 2016	20-NOV-17

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	There is no backlog of exploration from previous year.	No exploration was carried out during the year 2022-23.	No comments
1b	Exploration over lease area for geological axis 1 or 2	----	The lease area covered under G-1 level of exploration is 1.20 ha. However, about 3.77 ha is under G-4.	The lessee got approved the Review of Mining Plan document in the Month of January 2023. In the said document, the lessee has proposed to carry out drilling during the year 2023-24.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	None	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	----	The lessee got approved the Review of Mining Plan document in the Month of January 2023. In the said document, the lessee has proposed to carry out drilling during the year 2023-24.	No comments.
1e	Balance reserve as on 01/04/20	---	The reserves as on 1.4.2023 i.e. as per the recently approved Review of Mining Plan document 55,568 tonnes.	No comments
1f	General remarks of inspecting officers on geology, exploration etc	No proposal was made for exploration during the year 2022-23.	No exploration was carried out during the year 2022-23.	No comments. The mineralization is confined to Khondalite group.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
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2a	Location of development w.r.t. lease area	It was proposed to develop seventh bench towards North-west side in the existing pit.	During the inspection it was observed that the pit was waterlogged and the mining operations were discontinued. It was informed by the lessee that due to non availability of State Pollution Control Board clearance for payment of pending dues.	A violation for non submission of notice of temporary discontinuance was issued to the lessee.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	It was proposed to develop seventh bench towards North-west side in the existing pit.	The mining operations were discontinued due to non availability of SPCB clearance.	No comments.
2c	Stripping ratio or ore to OB ratio	0.1:1	As the mining operations were discontinued, no development took place during the year 2022-23.	No comments
2d	Quantity of topsoil generation in m3	Nil	Nil	None
2e	Quantity of overburden generation in m3	10,718 cubic meters	As the mining operations were discontinued, no development took place.	No comments
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	----	As the mining operations were discontinued to non availability of PCB clearance, no development took place.	No comments

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	No mining operations carried out. On the day of inspection, the pit was waterlogged.	No comments
3b	Quantity of ROM mineral production proposed	9138 tonnes	Nil as the mining operations were discontinued.	No comments
3c	Recovery of sailable/usable mineral from ROM production	It was proposed to sale the entire ROM.	The mining operations were discontinued due to non availability of SPCB clearance.	No comments

3d	Quantity of mineral reject generation	Nil	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	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	None	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 carry out drilling and blasting.	No such operations were carried out as mining operations have been discontinued.	No comments
3k	Provision of mining machineries in mineral benches	It was proposed to use tippers to transport excvated mineral	As mining operations were discontinued, no excavation of ore was done.	None
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3 meters	No development was tane place as mining operations were discontiuned.	None
3m	Total area covered under excavation/pits	---	Area under pits was 1.518 ha	None
3n	Ore to OB ratio for the pit/mine during the year.	0.1:1	Nil	None
3o	Total area put in use under different heads at the end of year	---	Area under pits - 1.518 ha	None

3p	Production of ROM mineral during the last five year period as applicable	2018-19 - 12,080 tonnes 2019-20 - 12,233 tonnes 2020-21 - 12,529 tonnes 2021-22 - 12,809 tonnes 2022-23 - 9138 tonnes	2018-19 - Nil 2019-20 - Nil 2020-21 - Nil 2021-22 - 750 tonnes 2022-23 - Nil	None
3q	General remarks of inspecting officers on method of mining etc.	It was proposed to develop and excavate the mineral as per aspproved proposals made in the document.	The mining operations were discontinued due to non availability of SPCB clearance.	None

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	It was proposed to dump the OB generated seperately.	as the mining operations discontiuned, no development took place.	None
4b	Location of topsoil, OB and mineral reject dumps	It was proposed to dump the OB generated seperately.	None	Nil
4c	Number of dumps within lease area and outside of lease area	One	Nil	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	South side of the lease	None	Nil
4e	Number of active and alive dumps.	One	None	Nil
4f	Number of dead dumps.	None	One old dump was observed which was not yet stabilised	None
4g	Number of dumps established.	One	None	None
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	As no OB was generated, no dumping took place.	An old dump was noticed which was having the retaining wall.

4i	Length of Retaining wall or garland drain all along dumps	---	None	None
4j	Number of settling ponds	Nil	Nil	None
4k	Specific comments of inspecting officer on waste dump management	---	As the mining operations were discontinued, no development was taken place.	None

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	None	No area matured for reclamation.
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	None	None	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Nil	None	None

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).	--	None	The mining operations have been discontinued.

6b	Area available for rehabilitation (ha) .	Nil	None	None
6c	afforestation done (ha).	None	None	None
6d	No. of saplings planted during the year	None	None	None
6e	Cumulative no .of plants	--	1250 no.s	None
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	--	rs.50,000 per year as reported by lessee.	None
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	None	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 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)	None	None	None
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	None	None	None

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Nil	None	None
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	None	None	None
7c	Different grade of mineral sorted out at mines.	None	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
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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	Nil
8b	Concurrent use or storage of topsoil	Nil	Nil	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Nil	Nil	Nil
8g	Survival rate	80%	Nil	Nil

8h	Water sprinkling on roads to control airborne dust	It was proposed to control dust suppression by means of watersprinkling.	Nil	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Nil	Nil	The aesthetic beauty of the mine was average.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	The annual return for the year 2021-22 was submitted and the monthly returns for thear 2022-23 were submitted in time.	Same was noticed	No comments
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	The annual return for the year 2022-23 is yet to be submittd.as per annual return 2021-22, Sri S.K.Mishra and Sri Durgaprasad are employed as Mining Engineer and geologist.	Same was confirmed duirng the inspection.	None
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pits - 1.56 ha	Same was noticed duirng inspection and the pit was waterlogged.	None
9d	Scrutiny of Annual return on afforestation	Nil	Nil	Nil

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	As per AR 2021-22, 750 tons production was reported.	Same was confirmed during the inspection.	None
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs.1331/- per ton	same was confirmed during the inspection.	None
9h	Scrutiny of Annual return on fixed assets	Rs.33 lakshs was reported as value of fixed assets.	The same was not verified.	None
9k	Scrutiny of Annual return on mining machineries	A pump was reported during the year 2021-22	An old pump was noticed during the inspection.	None

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
MCDR17	Rule 28(3)(ε	09-MAY-23			

Date :

(A.V.Ramesh Kumar)

Indian Bureau of Mines