

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/KNL/LST-209/HYD

Mine code : 38APR11193

- (i) Name of the Inspecting : **RK13**) **A.V.Ramesh Kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Ssri R.Srinivas Reddy Geologist
Official with
Designation
- (iv) Date of Inspection : 01/05/2022
- (v) Prev.inspection date : 29/08/2021

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **VENKATAPURAM(7.410 HA)**
- (b) **Registration NO.** : **IBM/20649/2011**
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
- State : ANDHRA PRADESH
- District : KURNOOL
- Village : VENKATAPURAM
- Taluka : BANAGANAPALLI
- Post office : NANDAVARAM
- Pin Code : 518124
- FAX No. :
- E-mail : ssnreddy1971@hotmail.com
- Phone : 9704468777
- (f) Police Station : BANGANAPALLI
- (g) First opening date : 31/08/2019
- (h) Weekly day of rest : SUN
2. Address for : SRI S DINESH REDDY
correspondance : 6/4 PALKUR VILLAGE
KURNOOL DISTRICT,ANDHRA PRADESH
3. (a) Lease Number :
- (b) Lease area : 7.41 ha
- (c) Period of lease : 50 years
- (d) Date of Expiry : 11.04.2058
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : S. DINESH REDDY
Venkatapuram(V)
Banaganapalli Kurnool dist
KURNOOL ANDHRA PRADESH
Phone:
FAX :

Owner : Sri S. Dinesh Reddy
Village-Venkatapuram
Mandal-Banaganapalli
KURNOOL ANDHRA PRADESH
Phone:
FAX :

Mining Engineer

Name : B.LAKSHMANNA, Full Time
Qualification : B TECH MINING
Appointment/ : 24/02/2020
Termination date

Geologist

Name : R SRINIVAS REDDY, Full Time
Qualification : MSC GEOLOGY
Appointment/ : 29/10/2020
Termination date

6. Date of approval of Mining Plan/Scheme of Mining : MP under 16(1) of MCR 2016 19/08/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	There is no proposal for exploration during the year 2021-22	No exploration was carried out during the year 2021-22.	The entire potentially mineralised area covered under G1 level of exploration.
1b	Exploration over lease area for geological axis 1 or 2	---	The entire potentially mineralised area is covered under G1 level of exploration.	No remark to be made as there is no deviation.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None	None	None
1d	Balance area to be explored to bring Geological axis in 1 or 2	None	None	None
1e	Balance reserve as on 01/04/20	---	The balance of reserves as on 1.4.2022 are 8,34,676 tonnes.	No remark to be made.
1f	General remarks of inspecting officers on geology, exploration etc	----	The entire lease area was covered under G1 level of exploration. The lessee carried out 20 trial pit during the first year of the plan period.	No remark to be made.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	It was proposed to develop the already established pit between gridlines N418-N510 & E186-E250 between RLs 292-286 meters.	The development being carried out as proposed.	No remark to be made as there is no deviation.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	It was proposed to develop one bench in the ore.	One bench in the ore was developed.	No remark to be made as there is no deviation.

2c	Stripping ratio or ore to OB ratio	None	None	None
2d	Quantity of topsoil generation in m3	None	None	as there is no topsoil in the mining lease, no proposal was made to handle the same.
2e	Quantity of overburden generation in m3	There is no proposal for generation of overburden during the year 2021-22.	No generation of overburden was done during the period 2021-22.	No remark to be made as there is no deviation.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	----	The mine development is being carried out as proposed.	The mine development being carried out by way of developing one bench in ore with a height of 6 meters. There is no deviation from the proposed location of production.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One Pit	One Pit	No remark to made.
3b	Quantity of ROM mineral production proposed	It was proposed to produce 46000 tonnes during the year 2021-22.	The actual production reported was 24,900 tonnes during the year 2021-22.	No remarks as the production was within the proposed limits.
3c	Recovery of sailable/usable mineral from ROM production	It was proposed to dispatch the entire ROM for domestic sale to the buyers.	the entire ROM being dispatched for sale.	No remarks to be made.
3d	Quantity of mineral reject generation	As there is no mineral reject, no proposal was made.	No mineral reject was generated.	No remark was made.
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	Not applicable	Not applicable as there is no generation of mineral reject.

3f	Quantity of sub grade mineral generation.	None	None	None
3g	Grade of sub grade mineral generation	None	None	None
3h	Manual / Mechanised method adopted for segregating from ROM	None	None	There is proposal for manual/mechanised segregation of mineral
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	There is no proposal made for beneficiation study for subgrade mineral and rejects as there are no mineral rejects in the lease.
3j	Provision of drilling and blasting in mineral benches	There was no proposal for drilling and blasting the the minera Limestone is tuffacious in nature and friable.	No drilling and blasting was carried out in the lease.	No remarks made. as there is no deviation.
3k	Provision of mining machinerries in mineral benches	it was proposed to use Excavator and tippers for excavating and loading and transporting mineral.	The same was noticed during the inspection.	No remarks made. as there is no deviation.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed work with a bench height of 6 meters.	the same was noticed duirng the inspection.	None
3m	Total area covered under excavation/pits	---	The total are covered under the pit was approximately 0.77 ha.	None.
3n	Ore to OB ratio for the pit/mine during the year.	None	None	as there is no OB generation the ration is Nil.

3o	Total area put in use under different heads at the end of year	---	The area put to use under pit - 0.77 ha Infrastructure - 0.050 ha Roads - 0.020 ha	None
3p	Production of ROM mineral during the last five year period as applicable	2019-20 - 46000 tonnes 2020-21 - 46000 tonnes 2021-22 - 46000 tonnes 2021-22 - 24900 tonnes	2019-20 - 2500 tonnes 2020-21 - 10400 tonnes 2021-22 - 24900 tonnes	There is no upward deviation from the proposed quantity.
3q	General remarks of inspecting officers on method of mining etc.	None	None	The Mining operations are being carried out in accordance with the proposals made in the approved document.it was proposed to produce from One pit and the same was carried out.There is no generation of subgrade or mineral reject in the lease.The production is also as per the approve quantities in the document.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	None	None	None
4b	Location of topsoil, OB and mineral reject dumps	None	None	None
4c	Number of dumps within lease area and outside of lease area	None	None	None
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	None	None	None

4e	Number of active and alive dumps.	None	None	None
4f	Number of dead dumps.	None	None	None
4g	Number of dumps established.	None	None	None
4h	Whether Retaining wall or garland drain all along dumps are there.	None	None	None
4i	Length of Retaining wall or garland drain all along dumps	None	None	None
4j	Number of settling ponds	None	None	None
4k	Specific comments of inspecting officer on waste dump management	None	None	as there is no proposal for generation of overburden during the year 2021-22, no overburden was generated. There is no topsoil in the mining lease, hence, no proposal was made for handling the same.

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.	None	None	None
5b	Area under backfilling of mined out area	None	None	None
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	None	None	None

5d	Total area fully reclaimed and rehabilitated	None	None	None
5e	General remarks of inspecting officers on backfilling and reclamation etc.	None	None	The mining operation were started during the year 2019 and no area was matured for reclamation as on date. As such no proposals were made and reclamation activity was taken up.

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).	---	The annual report for the environment protection being submitted by the lessee regularly.	No remarks made.
6b	Area available for rehabilitation (ha) .	it was proposed to afforest about 0.45 ha during the year 2021-22.	The plantation carried out by lessee by planting about 150 saplings during the year 2021-22.	None.
6c	afforestation done (ha).	0.45 ha	0.45 ha	None.
6d	No. of saplings planted during the year	150 no.s	150 no.s	None
6e	Cumulative no. of plants	450 no.s	450 no.s	None
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	---	it was reported by the lessee that they incurred an expenditure of Rs.50,000/- towards watch and ward during the year 2021-22.	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 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)	it was proposed to carry out environmental monitoring of both core and buffer zones.	The environmental monitoring in both core and buffer zone carried out and the parameters are within the permissible vlimits.	None
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	---	---	The lessee has carried out all the environmental protection measures as envisaged in the approved document. The proposed afforestation, environmental monitoring carried out as proposed.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	There was no proposal for grade wise sorting in the lease area.	No grade wise sorting noticed in the lease are.	The entire ROM being dispatched for sale.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	There is no proposal for grade wise sorting either by manual or mechanical means.	No such sorting was noticed duirng the inspection.	No remark to be made.
7c	Different grade of mineral sorted out at mines.	None	None	None
7d	Any beneficiation process at mines .	No such proposal was made in the approved document.	No beneficiation process was noticed during the inspection.	No remark to be made as there is no deviation.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	----	There is no grade wise sorting either by way of manual or mechanical means. The entire ROM is dispaatched for domestic sale.	No remark to be made as there is no deviation.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	as there is no topsoil in the mining lease, no proposal was made.	Not Applicable	No remark to be made.
8b	Concurrent use or storage of topsoil	Not Applicable	Not Applicable	As there is no topsoil in the mining lease, no proposal was made for handling the topsoil.
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	There was no proposal of generation of overburden duirng the year 2021-22.	There is no generation of overburden duirng the year 2021-22.	No remark to be made.
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	None	There is no proposal for using the oberburden for restoration of land to its original use duirng the year 2021-22.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	None	None	None
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	The lease area is devoid of vegetation and it is rocky.It was proposed to carry out afforestation every year.	The lessee is carrying out the afforestation as proposed without any deviation.	No remark to be made.
8g	Survival rate	75%`	75%	No remark to be made.
8h	Water sprinkling on roads to control airborne dust	It was proposed to carry out water sprinkling using tractor mounte waterv tanker for dust suppression.	The same was noticed duirng the inspection.	No remark to be made.

8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	---	The environmental protection measures as proposed being implemented by the lessee.	No remark to be made.as there is no deviation.
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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	----	The lessee is submitting the Annual returns and Monthly returns regularly.	Lessee submitting Monthly & Annual returns regularly.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the Annual return 2020-21, Sri B.Lakshmanna and Sri R Srinivas Reddy are appointed as Mining Engineer and Geologist respectively.	The same was noticed duirng the inspection.	Statutory appoints are made by the lessee.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	The area under pits,dumps etc is as follows: Pit - 0.70 ha as per annual return 2021-22.Annual return for the year 2021-22 was not submitted as the same was not due for submission.	The area under pits was approximately 0.77 ha	No remark to be made.
9d	Scrutiny of Annual return on afforestation	as per the annual return 2020-21, the afforestation reported was 150 saplings witha survival rate of 75%.	Duirng the year 2021-22, about 150 saplings were planted with a survival rate of 80% as noticed during the inspection.The annual return 2021-22 is yet to be submitted.	No remark to be made.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	No mineral reject was reported duirng the year 2020-21 as per annual return .	No generation of mineral reject was noticed durig the year 2021-22.However, annual return 2021-22 is yet to be submitted.	No remark to be made.

9f	Scrutiny of Annual return on ROM stock and/or graded ore	As per the Annual return 2020-21, the total ROM reported was 10400 tonnes.	During the year 2021-22, based on the compilation made as per Monthly returns, the total ROM reported was 24,900 tonnes.	The total ROM produced is within the proposed quantity as per approved document.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The ex-mine price reported during the year 2020-21 was Rs.300/- per tonne.	the Annual return for the year 2021-22 is yet to be submitted as the same is due for submission before 1-7-2022.	No remark to be made.
9h	Scrutiny of Annual return on fixed assets	The value of fixed assets reported was Rs.91,29,200/-	The scrutiny of the same was not done.	The Annual return 2021-22 was yet to be submitted.
9k	Scrutiny of Annual return on mining machineries	The details of the Mining machineries reported in the annual return 2020-21 are given below: 1. One Shovel(Hydraulic) with a capacity of 0.900 Cu.meters 2. Two Tippers with a capacity of 11 Cu.meters.	The same were noticed during the inspection.	No remark to be made.

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