

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

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/KNL/LST-210/HYD

Mine code : 38APR11192

- (i) Name of the Inspecting : RK13) A.V.Ramesh Kumar
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Sri Vishwanath Reddy, Mines Manager
Official with
Designation
- (iv) Date of Inspection : 11/03/2023
- (v) Prev.inspection date : 29/08/2021

PART-I : GENERAL INFORMATION

1. (a) Mine Name : NANDAVARAM(4.990 HA)
- (b) Registration NO. : IBM/623/2011
- (c) Category : A Other than Fully Mech.
- (d) Type of Working : Opencast
- (e) Postal address
State : ANDHRA PRADESH
District : KURNOOL
Village : NANDAVARAM
Taluka : BANAGANAPALLI
Post office : BANAGANAPALLI
Pin Code : 518 12
FAX No. : +91 97044 68777
E-mail : ssnreddy1971@hotmail.com
Phone : +91 97044 68777
- (f) Police Station : Banganapalli
- (g) First opening date : 11/04/2018
- (h) Weekly day of rest : SUN
2. Address for : H.No: 6/4, Palkur Village
correspondance : Banaganapalli Mandal, Kurnool dist.
518124
3. (a) Lease Number : —
(b) Lease area : 4.99 HA
(c) Period of lease : 02-02-2018
(d) Date of Expiry : 01-02-2068
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : S.VENKATA RAMI REDDY
 PALKUR VILLAGE
 BANAGANAPALLI MANDAL
 KURNOOL DISTRICT KURNOOL
 ANDHRA PRADESH
 Phone:97044 68777
 FAX :97044 68777

Owner : S.VENKATARAMI REDDY
 MINE OWNER, PALKUR POST,
 BANGANAPALLI MANDAL,
 KURNOOL DISTRICT. KURNOOL
 ANDHRA PRADESH
 Phone: 97044 68777
 FAX : 97044 68777

Mining Engineer

Name : K VISWANATHA REDDY, Full Time
 Qualification : BTECH (MINING)
 Appointment/ :
 Termination date

Geologist

Name : R SRINIVASA REDDY, Full Time
 Qualification : MSC GEOLOGY
 Appointment/ :
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining : MP under 16(1) of MCR 2016 14/12/2016
 MP review under 17(1) MCR 2016 03/03/2022

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	None	None	None
1b	Exploration over lease area for geological axis 1 or 2	None	None	None
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	The entire lease area explored under G1 level.
1e	Balance reserve as on 01/04/20	---	5,57,277 gtonnes as on 1.4.2022	No remarks to be made.
1f	General remarks of inspecting officers on geology, exploration etc	None	None	The entire potentially mineralised area is explored under G1 level. The lease falls under Kadapa super basin under Narji formation.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	The workings are proposed between gridlines N1700863 to N1700976 & E205336 & E 205443	The workings are being carried out as proposed.	No deviation.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	There is proposal for making three benches in the mineral.	Two benches in mineral were noticed during the inspection.	No deviation.

2c	Stripping ratio or ore to OB ratio	None	None	None
2d	Quantity of topsoil generation in m3	Nil	Nil	Nil
2e	Quantity of overburden generation in m3	Nil	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	---	The workings are being carried out as proposed.	No deviation noticed.

Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	One Pit	One Pit	No deviation.
3b	Quantity of ROM mineral production proposed	It was proposed to produce 66193 tonnes during the year 2021-22 66193 tonnes	Actual production reported was 39900 tonnes during the year 2021-22.	No deviation noticed.
3c	Recovery of sailable/usable mineral from ROM production	The entire mineral is saleable.	The entire mineral is despatched for sale.	None
3d	Quantity of mineral reject generation	Nil	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	Nil
3f	Quantity of sub grade mineral generation.	Nil	Nil	Nil

3g	Grade of sub grade mineral generation	Nil	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Nil	Nil	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	None	None	None
3j	Provision of drilling and blasting in mineral benches	No drilling blasting proposed	No drilling and blasting being carried out.	No deviation.
3k	Provision of mining machineries in mineral benches	It was proposed to use a tipper and shovel for excavating the mineral and transporting the same.	Same was noticed during the inspection.	No deviation.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It was proposed to maintain 5 meters bench height.	Same being maintained.	No deviation.
3m	Total area covered under excavation/pits	---	The total area under mine working is 1.540 ha and waste dump is 0.210 ha	No deviation.
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	Nil
3o	Total area put in use under different heads at the end of year	---	Area under pit - 1.540 ha Area under dump - 0.210 ha	None

3p	Production of ROM mineral during the last five year period as applicable	2018-19 : 82,091 tonnes 2019-20 : 64,755 T 2020-21 : 64,238 T 2021-22 - 66,193 T	2018-19 : 24,500 Tonnes 2019-20 : 47,100 Tonnes 2020-21 : 62,500 Tonnes 2021-22 : 39,900 tonnes	No deviation.
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Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	There is no proposal for dumping topsoil/overburden during the year 2021-22 as there is no generation of the same.	same was noticed during the inspection.	No deviation.
4b	Location of topsoil, OB and mineral reject dumps	There is no proposal for topsoil/overburden.	No OB or Topsoil generated during the year 2021-22.	An old dump is located on the North side of the lease.
4c	Number of dumps within lease area and outside of lease area	---	One old dump noticed on the Northern side of the lease.	No remarks
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	within the UPL	Within the UPL	No remarks
4e	Number of active and alive dumps.	One old dump	One old dump	No remarks to be made.
4f	Number of dead dumps.	One	One	None
4g	Number of dumps established.	One	One	None
4h	Whether Retaining wall or garland drain all along dumps are there.	Yes	Yes	No deviation.

4i	Length of Retaining wall or garland drain all along dumps	80 meters	80 meters	None
4j	Number of settling ponds	None	None	None
4k	Specific comments of inspecting officer on waste dump management	---	---	The waste development being done as proposed.

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.	There is no proposal for backfilling during the year 2021-22	No reclamation measures taken up duiring the year 2021-22.	No remarks to be made.
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	No area matured for backfilling till date.

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	Yes	Yes	No deviation.
6b	Area available for rehabilitation (ha) .	It was proposed to plant over an extent of 0.05 ha duirng the year 2021-22	Same was noticed during the inspection.	No deviation.
6c	afforestation done (ha).	0.05 ha	0.05 ha	None
6d	No. of saplings planted during the year	100 no.s	135 no.s	None
6e	Cumulative no .of plants	---	400 no.s	None
6f	Any other method of rehabilitation	None	None	None
6g	Cost incurred on watch and care during the year	---	It was informed by the lessee that an expenditure of Rs.60,000/- was incurred duirng the year 2021-22	No remarks
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)Afforestati 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	Same was carried out.	None.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	---	---	All the PMCP measures as proposed in the approved document being implemented by the lessee for the year 2021-22.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal for grade wise sorting in the lease.	No grade wise sorting noticed in the lease.	No remarks
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	The entire ore is saleable.
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	---	---	None

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
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)	None	None	One old dump noticed on the Northern part of the lease.

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	None	None	None
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 contains vegetation made the lessee only.	No remarks
8g	Survival rate	80%	80%	None
8h	Water sprinkling on roads to control airborne dust	It was proposed to control generation of dust by sprinkling water.	Same was noticed during the inspection.	None
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	---	---	The aesthetic beauty of the lease can be termed as average.

Compliance of Rule 45:

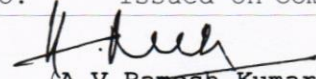
Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	---	The annual and monthly returns being submitted by the lessee.	No deviation.

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the annual return 2021-22, Sri K Viswanatha Reddy and Sri R Srinivasa Reddy were appointed as Mining Engineer and geologist respectively.	Same was confirmed during the inspection.	No deviation.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	As per the annual return the area under pits was 1.540 ha and dump was 0.210 ha	Same was noticed during the inspection.	No remarks
9d	Scrutiny of Annual return on afforestation	135 no.s planted	Same was confirmed during the inspection.	No remarks
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	None
9f	Scrutiny of Annual return on ROM stock and/or graded ore	39900 tonnes during the year 2021-22.	Same was confirmed during the inspection.	No remarks
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	The ex-mine price was reported for the year 2021-22 was Rs.176.08 per tonne	Same was confirmed during the inspection.	None
9h	Scrutiny of Annual return on fixed assets	The fixed asset value was reported Rs.90 lakhs.	The same was not verified.	No remarks
9k	Scrutiny of Annual return on mining machineries	As per the annual return 2021-22, one shovel and two tippers are reported	Same was noticed during the inspection.	No remarks

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 : 23-3-2022


(A.V. Ramesh Kumar)

Indian Bureau of Mines

