

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

**MCDR inspection REPORT
Hyderabad regional office**

Mine file No : AP/KNL/LST-194/HYD

Mine code : 38APR11173

- (i) Name of the Inspecting : DP09) D.P.Ravi kumar
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Shri P.R.Praveen Kumar Reddy, lessee's representativ
Official with
Designation
- (iv) Date of Inspection : 18/05/2023
- (v) Prev.inspection date : 28/10/2021

PART-I : GENERAL INFORMATION

1. (a) Mine Name : NANADAVARAM&VENK(4.04 8HA
(b) Registration NO. : IBM/14300/2012
(c) Category : A Other than Fully Mech.
(d) Type of Working : Opencast
(e) Postal address
State : ANDHRA PRADESH
District : KURNOOL
Village : NANADAVARAM
Taluka : BANAGANAPALLY
Post office : NANADAVARAM
Pin Code : 518124
FAX No. :
E-mail : *summm.umah@gmail.com*
Phone : 08515-267539
(f) Police Station : BANGANAPALLI
(g) First opening date : 02/07/2012
(h) Weekly day of rest : SUN
2. Address for
correspondance : T.SREE RAMULU, H.NO:7-15-7
NEAR COURT, DHONE(V&P)
KURNOOL DT.
3. (a) Lease Number : APR3287
(b) Lease area : 4.05 ha
(c) Period of lease : 50
(d) Date of Expiry : 15/02/2062
4. Mineral worked : LIMESTONE Main

5. Name and Address of the

Lessee : T.SREE RAMULU
H.NO:7-15-7, NEAR COURT,
DHONE(V&PO) KURNOOL DT
KURNOOL ANDHRA PRADESH
Phone:
FAX :

6. Date of approval of Mining Plan/Scheme of Mining	:	Fresh under rule 22 MCR1960	05/06/2009
		Modif.of approved Mining Plan	27/03/2015
		MP review under 17(1) MCR 2016	04/08/2017
		MP review under 17(1) MCR 2016	09/05/2022

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	None	None	Nil
1b	Exploration over lease area for geological axis 1 or 2	4.05ha	4.05 ha.	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2		Total mineralised area has been explored under G1 scale	Total mineralised area has been explored under G1 scale
1e	Balance reserve as on 01/04/20		Reserves as on 01.04.2023= 108870 t	
1f	General remarks of inspecting officers on geology, exploration etc			The deposit belongs to Narji Limestone mine of Kurnool group equivalent to semri series of upper Vindhya. The limestone is occurring in the form of powder, pebble and lumps and having high calcium and low silica. The mine is fully developed with working pit covering the entire lease area. Four trial pits have been made and all the pits have shown the occurrence of tuffaceous limestone.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Between gridlines N 1700700 to N 1700800	Between gridlines N 1700700 to N 1700800	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Single bench in Mineral	Single bench in Mineral	The mining operations are being carried out within the pit.
2c	Stripping ratio or ore to OB ratio	1:0	1:0	
2d	Quantity of topsoil generation in m3	No Proposal	Not applicable	
2e	Quantity of overburden generation in m3	No Proposal	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			The tuffaceous Limestone is occuring in the form of powder, pebble/lumps

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One Pit	One Pit	
3b	Quantity of ROM mineral production proposed	49980 t	42950 t	
3c	Recovery of sailable/usable mineral from ROM production	100 %	100 %	
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	No proposal	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	No proposal	Nil	No drilling and blasting is required as the mineral is soft and powdery.
3k	Provision of mining machineries in mineral benches	Yes, Tippers2,Excavator1,water tanker-1	Tippers-2,Excavator1,water tanker-1	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Bench ht-3m , Width- 4-5 m	Bench ht-3m , Width- 4-5m	
3m	Total area covered under excavation/pits	3.191ha	3.00 ha	
3n	Ore to OB ratio for the pit/mine during the year.	No proposal	Nil	

3o	Total area put in use under different heads at the end of year	3.191 ha	3.00 ha	
3p	Production of ROM mineral during the last five year period as applicable	2016-17-- Lapsed period, 2017-18--25760 t, 2018-19-- 32130 t, 2019- 20--35790 t, 2020-21--13800 t 2022-23=49980 t	2017-18--84500 t, 2018-19-24440 t, 2019-20--0 , 2020-21-600 t 2021-22=7380 t 2022-23=42950 t	
3q	General remarks of inspecting officers on method of mining etc.			Mining Operations are being carried out by open cast other than fully mechanised method.

Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No proposal for top soil, OB and Mineral Rejects	Nil	
4b	Location of topsoil, OB and mineral reject dumps	Not applicable	Nil	
4c	Number of dumps within lease area and outside of lease area	No proposal	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	No proposal	Nil	
4e	Number of active and alive dumps.	No proposal	Nil	
4f	Number of dead dumps.	No proposal	Nil	
4g	Number of dumps established.	No proposal	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	Not applicable	Nil	
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management		No waste is generated as total ROM is being saleable.	No waste is generated as total ROM is being saleable.

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.	No proposal	Nil	Area not matured for reclamation and rehabilitation.
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.		Area not matured for reclamation and rehabilitation.	Area not matured for reclamation and rehabilitation.

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).	Annual report on PMCP is to be submitted	Annual Report on PMCP is not submitted. violation is issued.	Annual Report on PMCP is not submitted. violation is issued.
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	0.095 ha.	No plantation carryout during the year 2022-23 and violation is issued to lessee.	No plantation carryout during the year 2022-23 and violation is issued to lessee.
6d	No. of saplings planted during the year	25 plants	No plantation carryout during the year 2022-23 and violation is issued to lessee.	No plantation carryout during the year 2022-23 and violation is issued to lessee.
6e	Cumulative no .of plants	150 plants	150 plants	
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)	Regular quarterly monitoring of environmental parameters are to be carried out	Regular quarterly monitoring of environmental parameters are being carried out

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Annual report on PMCP has not been submitted ,violation is issued.	Annual report on PMCP has not been submitted ,violation is issued.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal for grade wise sorting	Nil	Total ROM is being dispatched without sorting.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Not applicable	Not applicable	
7c	Different grade of mineral sorted out at mines.	Not applicable	Not applicable	
7d	Any beneficiation process at mines	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Total ROM production of Limestone is being dispatched.

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)	No proposal	Nil	
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)	No proposal	150 number of plants observed along lease boundary	150 number of plants observed along lease boundary
8g	Survival rate	75%	No plantation is done for 2022-23. violation is issued to lessee.	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling is to be done on haul roads to control dust.	Water sprinkling is being done on haul roads to control dust.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		General aesthetic beauty is observed in and around the mine	General aesthetic beauty is observed in and around the mine

Compliance of Rule 45:

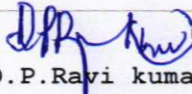
Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R./ A.R to be submitted in time	Monthly returns submitted upto April 2023. Anual return for 2022-23 not yet submitted.	The Annual Return for the year 2022-23 is not yet furnshed. so, some infromation is furnshed as per the Annual return 2021-22
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines Manger-- Sri.P.Prasanna Kumar, Mining Engineer-Shri E.V Naresh Kumar	Mines Manger-- Sri.P.Prasanna Kumar, Mining Engineer-Shri Kumar	-do-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	coveredunder currecnt (O/C) Workings=3.110 ha 2)Occupied by Plant, Buildings residential, welfare buildings & roads =0.458 ha. 3) other purpose (green belt) =0.035 ha	coveredunder currecnt (O/C) Workings=3.110 ha 2)Occupied by Plant, Buildings residential, welfare buildings & roads =0.458 ha. 3) other purpose (green belt) =0.035 ha	-do-
9d	Scrutiny of Annual return on afforestation	150 plants	During the year 2022-23,25 plants were prposed, but lessee has not carry out the planation. violation has been issued to the lessee.	-do-
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	ROM & Graded Ore : 8342 Tonnes	ROM & Graded Ore : 8342 Tonnes	-do-

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Fixed Assets-- Zero	Fixed Assets-- Zero	Zero	-do-
9h	Scrutiny of Annual return on fixed assets	Ex mine price & Sale Price : Rs. 320, Cost of Production :Rs. 300	Ex mine price & Sale Price : Rs. 500, Cost of Production :Rs. 340		-do-
9k	Scrutiny of Annual return on mining machineries	Tippers-2, water tanker 1, Others (non-electric)=1	Tippers-2, water tanker 1, Others (non-electric)=1 are being used in the lease area.		

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 11(1)	23/05/2023			
MCDR17	Rule 26(2)	23/05/2023			

Date :

 25.5.2023
(D.P. Ravi Kumar)

Indian Bureau of Mines