

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT 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 : **C\$10**) **Ch.Suseela**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : Narsi Reddy, Lessee's Representative
Official with
Designation
- (iv) Date of Inspection : 28-OCT-21
- (v) Prev.inspection date : 15-FEB-18

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 :
Phone : 08515-267539
- (f) Police Station : BANGANAPALLI
- (g) First opening date : 02-JUL-12
- (h) Weekly day of rest : SUN
2. Address for : T.SREE RAMULU, H.NO:7-15-7
correspondance : NEAR COURT, DHONE(V&P)
KURNOOL DT.
3. (a) Lease Number : APR3287
- (b) Lease area : 4.05
- (c) Period of lease : 20
- (d) Date of Expiry : 18-JAN-32
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	:	Fresh under rule 22 MCR1960	05-JUN-09
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	27-MAR-15
	:	MP review under 17(1) MCR 2016	04-AUG-17

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Six Core Bore Holes were proposed during the year 2017-18.	NIL	Six core bore holes proposed during the year 2017-18 were not drilled. Hence violation of Rule 11(1) was pointed out to the lessee.
1b	Exploration over lease area for geological axis 1 or 2	No proposal	NIL	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	No proposal	NIL	
1d	Balance area to be explored to bring Geological axis in 1 or 2	No Proposal	NIL	Total mineralised area has been explored under G1 scale
1e	Balance reserve as on 01/04/20	Reserves as on 1.4.2017-- 126090 t Depletion-- 107480 tonnes Balance Reserves-- 18610 t (111) Resources-- 29620 t (222) Cao--- +35%	Reserves as on 1.4.2017-- -126090 t Depletion--109540 tonnes Balance Reserves--16550 t (111) Resources--29620 t (222) Cao--- +35%	

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 Vindhyan. 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.
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Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Section line B-B' to C-C' N1700598-- N 1700804 E 205265-- E 205425	Section line B-B' to C- C' N1700598-- N 1700804 E 205265-- E 205425	
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 m ³	No Proposal	NIL	

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 occurring 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	13800 t	600 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	Total ROM is saleable. No segregation is required.

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, Tippers-2, Excavator-1, water tanker-1	Tippers-2, Excavator-1, water tanker-1	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes, Bench ht-3m , Width- More than ht	Bench ht-3m , Width- 4-5 m	
3m	Total area covered under excavation/pits	3.121 ha	2.894 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	3.614 HA	3.614 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	2016-17--126700 t, 2017-18--84500 t, 2018-19-24440 t, 2019-20--0 , 2020-21--600 t	There is an excess production during the year 2017-18. Hence violation of Rule 11(1) was pointed out to the lessee.
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	Propasals	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	Not Applicable	
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	Not Applicable	
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.

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.	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.

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 has been submitted	No major deviation has been found
6b	Area available for rehabilitation (ha) .	No proposal	NIL	
6c	afforestation done (ha).	0.030 ha	0.458 ha in 7.5 m SZ	
6d	No. of saplings planted during the year	25 plants	15 plants	
6e	Cumulative no .of plants	100 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 (L x 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.	_____	_____	_____

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	NIL	

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	No top soil is being generated
8b	Concurrent use or storage of topsoil	Not Applicable	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	Not Applicable	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	Not specific	50%	
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

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	MRS submitted up to october,2021 AR submitted up to the year 2020-21	MRS submitted up to october,2021 AR submitted up to the year 2020-21	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mines Manger-- Sri.P.Prasanna Kumar, Mining Engineer--NIL	Mines Manger-- Sri.P.Prasanna Kumar, Mining Engineer--NIL	Violation of Rule 55(1)(C) was pointed out to the lessee
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under pit--2.80 ha, Reclaimed area-0, Area under dump--0	Area under pit--2.894 ha, Reclaimed area-0, Area under dump--0	
9d	Scrutiny of Annual return on afforestation	15 plants	15 plants	

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	600 t	600 t	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value-- Rs200/- EMP- Rs--Rs 200/-, COP--Rs.200/-	Sale value--Should be more than Rs.200/-- EMP- Rs--Rs200/-, COP-- Rs.200/-	Discrepancies were pointed out to the lessee.
9h	Scrutiny of Annual return on fixed assets	Fixed Assets-- Zero	Fixed Assets-- Zero	
9k	Scrutiny of Annual return on mining machineries	Tippers-1, Excavator--1	Tippers-1, Excavator--1	

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 11(1)	25-NOV-21			
MCDR17	Rule 45(7)(a)	25-NOV-21			
MCDR17	Rule 55(1)(3)	25-NOV-21			

Date :

(Ch.Suseela)

Indian Bureau of Mines