

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

MCDR inspection REPORT

Hyderabad regional office

Mine file No : AP/ANP/L.ST-26/HYD

Mine code : 38APR02036

- (i) Name of the Inspecting : **M001**) **S K MUDULI**
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Sri A.Suresh, Lessee
Official with
Designation
- (iv) Date of Inspection : 03/07/2019
- (v) Prev.inspection date : 07/09/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **NAGARUR(4.311 HA)**
- (b) **Registration NO.** :
- (c) Category : B Manual
- (d) Type of Working : Opencast
- (e) Postal address
State : ANDHRA PRADESH
District : ANANTAPUR
Village : NAGARUR
Taluka : YADIKI
Post office : NAGARUR
Pin Code : 515455
FAX No. :
E-mail :
Phone :
- (f) Police Station : YADIKI
- (g) First opening date : 10/10/2006
- (h) Weekly day of rest : SUN
2. Address for : A.SURESH ,MINEOWNER,NEAR CHANDANA GATE
correspondance RAYALACHERUVU(PO)-515455
ANANTAPUR DT ANDHRAPRADESH
3. (a) Lease Number : APR2451
- (b) Lease area : 4.31
- (c) Period of lease : 20
- (d) Date of Expiry : 09/04/2026
4. Mineral worked : DOLOMITE Associated
LIMESTONE Main

5. Name and Address of the

Lessee : A.SURESH
NEAR CHANDANAGATE
RAYALACHERUVU (V) TADIPATRI
(M) ANANTAPUR ANDHRA
PRADESH
Phone:9440017581
FAX :

Owner : A.SUREH
NEAR CHANDANA GATE
RAYALACHERUVU(PO &V)
TADIPATRI(M) ANANTAPUR
ANDHRA PRADESH
Phone:
FAX :

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	30/08/2005
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	13/10/2016

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	3 DTH Bore holes of 10m each in 2018-19	No exploration carried out.	Exploration proposed in the year 2016-17(5 core bore holes), 2017-18(4 nos DTH bore holes) has also not been carried.Violation already issued.
1b	Exploration over lease area for geological axis 1 or 2	Entire lease area under G1 level by combining 2016-17,2017-18,2018-19 exploration proposal.	No exploration carried out.	Violation issued for 2016-17,2017-18,2018-19.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Details not available	Nil	
1d	Balance area to be explored to bring Geological axis in 1 or 2	3 Ha	No exploration carried in 2018-19	1.311 Ha explored under G1 level.
1e	Balance reserve as on 01/04/20	41000 tonnes (111 category)	23180 tonnes (111 category)	211 category resources-1000 tonnes
1f	General remarks of inspecting officers on geology, exploration etc			Dolomite found on top of Limestone. Intrusive rock found within the lease.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Within the Mining Lease (E 802652 to E 802688, N 1656266 to N 1656310)	Within the Mining Lease (E 802652 to E 802688, N 1656266 to N 1656310)	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Only in mineral	Only in mineral	

2c	Stripping ratio or ore to OB ratio	1:0.93	1:0.71	
2d	Quantity of topsoil generation in m3	641 m3	Nil	Mine already developed.
2e	Quantity of overburden generation in m3	2673 m3	8000 tonnes / 3200 m3	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc			Mechanised Mining Method is being practiced.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	10000 tonnes	11250 tonnes	Production within the permitted limit of +20%.
3c	Recovery of sailable/usable mineral from ROM production	75%	75%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable	does not arise	
3f	Quantity of sub grade mineral generation.	Not applicable	Nil	
3g	Grade of sub grade mineral generation	Not applicable	does not arise	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No Proposal	Nil	Beneficiation not required.
3j	Provision of drilling and blasting in mineral benches	Burden-1.5m, Spacing-2m, Bench height-3m Jack Hammer drill	Burden-1.5m, Spacing-2m, Bench height-3m Jack Hammer drill	
3k	Provision of mining machineries in mineral benches	Excavator-0.9 m ³ -1 no Tippers-10 tonners-2 nos Fron end loader-1.7m ³ -1 no	Excavator-0.9 m ³ -1 no Tippers-10 tonners-2 nos Fron end loader-1.7m ³ -1 no	
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	3 m	Yes suitable	
3m	Total area covered under excavation/pits	1.21 Ha	1.21 Ha	
3n	Ore to OB ratio for the pit/mine during the year.	1:0.93	1:0.71	
3o	Total area put in use under different heads at the end of year	3.246 Ha	2 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2014-15-Lapsed Period 2015-16-Lapsed Period 2016-17-10000 tonnes Limestone 2017-18-10000 tonnes Limestone 2018-19-10000 tonnes Limestone	2014-15- 18050 tonnes Limestone 2015-16-30400 tonnes Limestone 2016-17-15320 tonnes Limestone 2017-18-21250 tonnes Limestone 2018-19-11250 tonnes Limestone	Lessee had not produced production, despatch, stock register for verification. After verification of office records violation to be issued.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
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4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Proposed to maintain OB dump and mineral reject dump	OB dumping is being carried out separately	
4b	Location of topsoil, OB and mineral reject dumps	Within the Lease	Within the Lease	
4c	Number of dumps within lease area and outside of lease area	4 nos	3 nos	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Within the UPL.	Shifting of DUMP-1 under progress.	
4e	Number of active and alive dumps.	3 Nos	3 Nos	
4h	Whether Retaining wall or garland drain all along dumps are there.	Proposal Retaining wall- 138mX1mX1m Garland Drain- 142mX1mX1m	Not constructed.	Violation under rules 11(1) pointed out.
4i	Length of Retaining wall or garland drain all along dumps	Retaining wall- 138mX1mX1m Garland Drain- 142mX1mX1m	Not constructed	-do-
4j	Number of settling ponds	No proposal	Nil	
4k	Specific comments of inspecting officer on waste dump management			Violation under rules 11(1) pointed out for not constructing retaining wall and garland drain for the year 2016-17 to 2018-19.

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 in 2018-19	Nil.	Mineral is yet to be mined upto UPL.

5b	Area under backfilling of mined out area	No proposal in Nil 2018-19		No proposal of backfilling of the Pit WP-4 was approved but during inspection the pit was found to be back filled by the waste rock of Dump-5. Violation u/r 11(1) issued.
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Spreading for plantation and Storage in 2018-19	Storage.	Top soil has not been stored at the demarcated place approved for storing but found to be dumped in the scattered manner. Violation issued under rule 36(3).
5d	Total area fully reclaimed and rehabilitated	No proposal	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			Mineral is yet to be exhausted. As on date of inspection no part of the mine is matured for backfilling.

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).	To be submitted	Not submitted	
6b	Area available for rehabilitation (ha) .	No proposal in 2018-19	Nil	
6c	afforestation done (ha).	0.95 Ha during 2016-17 to 2020-21	Nil	Violation issued u/r 11(1)
6d	No. of saplings planted during the year	100 nos in 2018-19	Nil	Violation issued u/r 11(1)

6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	No proposal	Nil	Mineral yet to exhaust and Area not matured for backfilling.
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Nil	Mineral yet to exhaust and Area not matured for backfilling.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Mineral yet to exhaust and no part of the mine is matured for backfilling.Hence no rehabilitation work is done.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	10000 tonnes	10913 tonnes	
7d	Any beneficiation process at mines	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Benneficiation not warranted.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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8a	Separate removal and utilization of topsoil (Rule 32)	Yes for spreading and storage.	Storage	Top soil has not been stored at the demarcated place approved for storing but found to be dumped in the scattered manner. Violation issued under rule 36(3) of MCDR 2017.
8b	Concurrent use or storage of topsoil	Spreading and storage proposed in 2018-19	Storage	Top soil has not been stored at the demarcated place approved for storing but found to be dumped in the scattered manner. Violation issued under rule 36(3).
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dump for OB	Yes	
8h	Water sprinkling on roads to control airborne dust	Water sprinkling Proposed	Yes being carried out	

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	To be submitted	Submitting	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer and Geologist to be appointed	Mining Engineer and Geologist not appointed	Violation u/r 55(1)3.(iii) of MCDR-2017 issued.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Already exploited & abandoned by opencast (O/C) mining-4.202 Ha Covered under current (O/C) Workings-3 Ha Reclaimed/Rehabilitated-2 Ha		Violation u/r 45(7)(a) issued
9d	Scrutiny of Annual return on afforestation	Nil	Nil	
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	1097.50 tonnes-CS		As reported by Lessee
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Sale value-Rs 425.00 per tonne of LD grade Limestone Ex Mine Price-Rs 425.00 per tonne of LD grade Limestone Cost of Production/Tonne-Rs 350.00	Sale value-Rs 425.00 per tonne of LD grade Limestone Ex Mine Price-Rs 425.00 per tonne of LD grade Limestone Cost of Production/Tonne-Rs 350.00	

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)	21/08/2019		MCDR17 Rule 11(1)	21/08/2019	
MCDR17 Rule 26(2)	21/08/2019		MCDR17 Rule 26(2)	21/08/2019	
MCDR17 Rule 31(1)	21/08/2019		MCDR17 Rule 31(1)	21/08/2019	
MCDR17 Rule 33	21/08/2019		MCDR17 Rule 33	21/08/2019	
MCDR17 Rule 36(3)	21/08/2019		MCDR17 Rule 36(3)	21/08/2019	
MCDR17 Rule 45(7)(a)	21/08/2019		MCDR17 Rule 45(7)	21/08/2019	
MCDR17 Rule 54(a)	21/08/2019		MCDR17 Rule 54(a)	21/08/2019	
MCDR17 Rule 55(1)(3)	21/08/2019		MCDR17 Rule 55(1)	21/08/2019	

Date :

(S K MUDULI)

Indian Bureau of Mines