

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

**MCDR inspection REPORT  
Hyderabad regional office**

**Mine file No :** AP/NLG/LST-3/HYD

**Mine code :** 38APR14025

- (i) Name of the Inspecting : **M029** ) **MADHU SUDHAN YADAV M**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri. Subba Rao, DGM (Mines), Sri.A.Mahipal Reddy, Man  
Official with  
Designation
- (iv) Date of Inspection : 09/02/2021
- (v) Prev.inspection date : 07/03/2020

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **MATTAPALLI**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : **TELANGANA**  
District : **NALGONDA**  
Village : **MATTAPALLI**  
Taluka : **HUZURNAGAR**  
Post office : **SEEMAPURI**  
Pin Code : **508204**  
FAX No. : **08683-227629**  
E-mail : **mines @nclind.com**  
Phone : **08683- 227630 ,227640**
- (f) Police Station : **MATTAMPALLY**
- (g) First opening date : **05/06/1998**
- (h) Weekly day of rest : **SUN**
2. Address for : **MATTAPALLY**  
correspondance : **MATTAMPALLY MANDAL**  
**NALGONDA DISTRICT**
3. (a) Lease Number : **APR1312**
- (b) Lease area : **46.36**
- (c) Period of lease : **50**
- (d) Date of Expiry : **13/10/2030**
4. Mineral worked : **LIMESTONE** Main

## 5. Name and Address of the

Lessee : NCL INDUSTRIES LTD  
 3-8-352, RR TOWERS  
 CHIRAGALI LANE HYDERABAD  
 HYDERABAD TELANGANA  
 Phone:23203637  
 FAX :040-23202496

Owner : K.RAVI  
 NCL INDUSTRIES LTD 3-8-  
 352,7TH FLOOR,R.RATNA  
 TOWERS,CHIRAGALI LANE  
 HYDERABAD TELANGANA  
 Phone: 040-23203637  
 FAX : 040-23202496

Agent : P.N.RAJU  
 S3-8-352, RR TOWERS  
 CHIRAGALI LANE HYDERABAD  
 HYDERABAD TELANGANA  
 Phone: 08683227634  
 FAX : 08683227629

## Mining Engineer

Name : S.K.NAZEER,Full Time  
 Qualification : B.E.  
 Appointment/ : 29/09/2009  
 Termination date

## Manager

Name : E.UPENDRA CHARY  
 Qualification : DIPLOMA IN MINING & FIRST CLASS MINES  
 Appointment/ : 20/10/2010  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	05/03/2003
Plan/Scheme of Mining	:	Modif.approved Mining Scheme	28/04/2006
	:	Mining Scheme rule 12 MCDR1988	19/05/2008
	:	Mining Scheme rule 12 MCDR1988	23/09/2013
	:	MP modif under 17(3) MCR 2016	26/03/2018

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2018-19 - 4 Nos. DTH holes	2018-19 - Nil	Exploratory drilling not carried out as per proposal. Violation issued as per rule.
1b	Exploration over lease area for geological axis 1 or 2	2019-20 - Nil	2019-20 - 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	Nil	Nil	
1e	Balance reserve as on 01/04/20	----	Proved Reserves as on 01/02/2021 is 18.765 million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			DTH holes proposed in the year 2018-19 not drilled. Violation issued as per rule.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	1st - 5793 - 5752, E56 - E438 2nd - 5768 - 5535, E9 - E520 3rd - 5351 - 5175, E24 - E280 4th 5689 - 5204, E89 - E476 5th 5463 - 5248, E210 - E402	Work done as per proposal.	

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal	Nil	
2c	Stripping ratio or ore to OB ratio	Nil	Nil	
2d	Quantity of topsoil generation in m3	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			No topsoil and OB generation in the mining area.

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Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	2019-20 - 1500000 Te 2020-21 - 1500000 Te	2019-20 - 1353832 Te 2020-21 - 1150477 Te (till Jan'21)	
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	Driling and blasting proposed in mineral benches.	Drilling is being carried out by maintaining spacing of 5m and burden of 3m with a hole depth of 6 meters and 115mm dia holes . Blasting done by using ANFO and slurry explosives with NONEL detonators for initiation.
3k	Provision of mining machineris in mineral benches	Wagon drill, Tippers , excacvators and water tanker.	Excavator - 02 Nos. Tippers - 10 Nos. Drill machine - 1 No.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	It is proposed to maintain the bench height of 6 meters	Digging height of the excavator is compatible for proposed bench height of 6m.
3m	Total area covered under excavation/pits	35.83 Ha	35.00 Ha
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil
3o	Total area put in use under different heads at the end of year	38.47 Ha	36.09 Ha

3p	Production of ROM mineral during the last five year period as applicable	2015-16 - 800000 Te 2016-17 - 800000 Te 2017-18 - 970000 Te 2018-19 - 1193404 Te 2019-20 - 1500000 Te 2020-21 - 1500000 Te	2015-16 - 854000 Te 2016-17 - 892896 Te 2017-18 - 1048000 Te 2018-19 - 1404918 Te 2019-20 - 1353832 Te 2020-21 - 1150477 Te (till Jan'21)
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3q	General remarks of inspecting officers on method of mining etc.	The limestone mineral has been stacked at various places in the working pit. Violation issue as per rule.
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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	Nil	
4b	Location of topsoil, OB and mineral reject dumps	Nil	Nil	
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	
4e	Number of active and alive dumps.	Nil	Nil	
4f	Number of dead dumps.	Nil	Nil	
4g	Number of dumps established.	Nil	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil	

4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	
4j	Number of settling ponds	Nil	Nil	
4k	Specific comments of inspecting officer on waste dump management			No waste dump exists within the lease area and also there is no waste generation during mining.

#### 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	
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	Nil	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			The pit is not mined out upto its ultimate pit limit to start backfilling.

#### 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).	To be submitted in time	Submitted in time	

6b	Area available for rehabilitation (ha) .	No proposal	Nil
6c	afforestation done (ha).	2019-20 - 0.26 Ha	2019-20 - 0.26 Ha
6d	No. of saplings planted during the year	2019-20 - 260 Nos.	2019-20 - 280 Nos.
6e	Cumulative no .of plants	---	9275 Nos.
6f	Any other method of rehabilitation	Nil	Nil
6g	Cost incurred on watch and care during the year	Nil	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 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)	Quarterly environmental monitoring of core and buffer zone.	Quarterly environmental monitoring carried out during 2019-20 and all the parameters are within the permissible limit.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Retaining wall constructed in the North eastern side of the lease area to avoid water entering the mine working from the HFL of Pulichintla dam.

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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2019- 20 - 1500000 Te	2019-20 - 1360000 Te	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Nil	
7c	Different grade of mineral sorted out at mines.	No proposal	Nil	

7d	Any beneficiation process at mines	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			No sub grade has been generated. Beneficiation is not required as the entire ROM mineral is utilised for captive plant.

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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)	2019-20 - 260 Nos. within mining lease	2019-20 - 1210 Nos. within mining lease and outside lease 425 Nos. of saplings planted	

8g	Survival rate	---	80%
8h	Water sprinkling on roads to control airborne dust	Water Tankers to be provided for dust suppression.	Water tanker is provided for dust suppression.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Plantation done in the 7.5m safety zone. Wall constructed at south eastern of the part of the HFL area.

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Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and Annual Returns are to be submitted in time.	Submitted in time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager - A.Mahipal Reddy Mining Engineer - P.Swathikiran Geologist - G. Kishan	Manager, Mining Engineer and Geologist working in the mine.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit - 35.0 Ha Plantation - 0.26Ha	Broadly as per submission.	
9d	Scrutiny of Annual return on afforestation	2019-20 - 280 Nos.	Broadly as per submission and same quantity is verified in afforestation register maintained.	
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	6168 Tonnes	6168 Tonnes	

9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost per tonne is Rs.156/-	<p>1. Total overhead cost, DMF, NMET is not submitted in Part-III, Sl.No.5.</p> <p>2. In cost per tonne, depreciation is not matching with the total depreciation submitted in Part-IIA, Sl.No.1.</p> <p>3. In Part-IIA, Sl.No.3, total interest paid is submitted as nil, whereas interest amount is shown as Rs.2.50/- per tonne in cost per tonne calculation.</p> <p>Advised to correct the annual returns since it has been referred back by the MMS division.</p>	Annual returns has been referred back to the lessee by MMS division.
9h	Scrutiny of Annual return on fixed assets	Rs.3945281/-	-----	
9k	Scrutiny of Annual return on mining machineries	Air compressor -1 No. Shovel (hydraulic) - 2 Nos. Tippers - 6 Nos. Dozer - 1 Nos. Drill machine - 1 No. Explosive van - 1 No. Jeep - 1No.	Machineries found in the mining area.	

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**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)	25/02/2021			

**Date :**

**(MADHU SUDHAN YADAV M)**

Indian Bureau of Mines