

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

**MCDR inspection REPORT  
Hyderabad regional office**

**Mine file No :** AP/NLG/LST-18/HYD

**Mine code :** 38APR14018

- (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), Mahipal Reddy, Mine Manag  
Official with  
Designation
- (iv) Date of Inspection : 08/02/2021
- (v) Prev.inspection date : 31/10/2018

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **GUNDLAPALLI (322.06GUNTAS)**
- (b) **Registration NO.** :
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : **TELANGANA**  
District : **NALGONDA**  
Village : **GUNDALAPALLI**  
Taluka : **MATTPALLY**  
Post office : **SEEMAPURI**  
Pin Code : **508204**  
FAX No. : **08683227629**  
E-mail : **nclworks@nclind.com**  
Phone : **9390801244**
- (f) Police Station : **MATTAMPALLY**
- (g) First opening date : **09/03/1992**
- (h) Weekly day of rest : **SUN**
2. Address for : **SIMHAPURI VILLAGE**  
correspondance : **MATTAMPALLY MANDAL**  
**NALGONDA DISTICT**
3. (a) Lease Number : **APR0159**
- (b) Lease area : **130.37**
- (c) Period of lease : **50**
- (d) Date of Expiry : **21/10/2040**
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 : SANTOSH KUMAR,Full Time  
 Qualification : B.E (MINING)  
 Appointment/ : 20/11/2010  
 Termination date

## Manager

Name : K.SUDHAKAR RAO  
 Qualification : DME  
 Appointment/ : 17/08/2010  
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	14/09/1998
Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	05/03/2003
	:	Mining Scheme rule 12 MCDR1988	05/08/2008
	:	Renewal under rule 24 MCR1960	03/01/2011
	:	MP modif under 17(3) MCR 2016	31/03/2017
	:	MP review under 17(1) MCR 2016	31/03/2020
	:	MP review under 17(1) MCR 2016	15/07/2020

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2019-20 - 19 Nos.	Core borehole drilling was in progress during inspection. 2 holes (PBH-45 & PBH-46) completed at the time of inspection.	
1b	Exploration over lease area for geological axis 1 or 2	2020-21 - 03 Nos.	Borehole drilling was in progress.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	----	Drilling work was allotted to M/s. Rock Engineering Core drillers, Hyderabad.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Entire area to be explored in G1 scale.	G1 - 49.90 Ha G2 - 48.78 Ha G3 - 31.69 Ha	
1e	Balance reserve as on 01/04/20	----	Proved Reserves as on 31/01/2021 - 27.07 million tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			Core borehole drilling was in progress to complete the exploration proposal.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Pit-2 :N 3822 N 4100 & E 10840 E11200 Top RL 54-48 Bottom RL	Pit-1: N 1848632 to N 1848818, E 377222 to E377435- Top RL 53.8, Bottom RL : 42.12 (Pit is abandoned) Pit-2 : N 1847893 to N 1848481, E 377815 to E378619 - Top RL 64.6, Bottom RL : 39.82	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal	Nil	
2c	Stripping ratio or ore to OB ratio	No proposal	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 overburden 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 - 1000075 Te 2020-21 - 1000000 Te	2019-20 - 854717 Te 2020-21 - 800238 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	Drilling and blasting is proposed in the 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 machineries in mineral benches	Wagon drill, Tippers , excavators 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	37.99 Ha	28.047 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	39.53 Ha	28.852 Ha
3p	Production of ROM mineral during the last five year period as applicable	2015-16 - 850000 Te 2016-17 - 794840 Te 2017-18 - 1000000 Te 2018-19 - 1000000 Te 2019-20 - 1000000 Te 2020-21 - 1000000 Te	2017-18 - 1000000 Te 2018-19 - 998638 Te 2019-20 - 854717 Te 2020-21 - 800238 Te (till Jan'21)

3q	General remarks of inspecting officers on method of mining etc.	Opencast mechanised mining method with deephole drilling and blasting technique is being carried out.
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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	No proposal	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)	Not applicable	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.	Not applicable	Nil	
4i	Length of Retaining wall or garland drain all along dumps	No proposal	Nil	
4j	Number of settling ponds	No proposal	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.

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## Solid Waste Management - Backfilling:

Sl.No.	Item	Proposals	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	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.			The pit is not mined out upto its ultimate pit limit to start 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 in time	Submitted in time	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	2019-20 - 0.735 Ha	2019-20 - 0.805 Ha	
6d	No. of saplings planted during the year	2019-20 - 1100 Nos.	2019-20 - 1210 Nos.	
6e	Cumulative no .of plants	No proposal	3860 Nos.	
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 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 construction was in progress on the southern side of the lease to avoid the flooding from Pulichintla dam HFL.

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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 - 100000 Te	2019-20 - 860000 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
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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 - 1100 Nos. within mining lease	2019-20 - 1210 Nos. within mining lease and outside lease 500 Nos. of saplings planted
8g	Survival rate	80%	75%
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 is done in the 7.5m safety zone. Water present in the southern part of the HFL area. Retaining wall construction is in progress as per proposal.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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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 - G.S. Subba Rao Mining Engineer - D.V. Akhil Kalyan 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 - 28.047 Ha Plantation - 0.805 Ha	Broadly as per submission.	
9d	Scrutiny of Annual return on afforestation	1210 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	Nil	Nil	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost per tonne is Rs.166/-	1. Total overhead cost, DMF, NMET is not submitted in Part-III, Sl.No.5. 2. In cost per tonne, depreciation is not matching with the total depreciation submitted in Part-IIA, Sl.No.1. 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. Advised to correct the annual returns since it has been referred back by the MMS division.	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

Date :

(MADHU SUDHAN YADAV M)

Indian Bureau of Mines