

INDIAN BUREAU OF MINES  
MINERALS DEVELOPMENT 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. Jwanees Reddy, Mana  
Official with  
Designation
- (iv) Date of Inspection : 24-AUG-22
- (v) Prev.inspection date : 21-JAN-22

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-JUN-98
- (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-OCT-30
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-SEP-09  
Termination date

## Manager

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

6. Date of approval of Mining Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	05-MAR-03
	:	Modif.approved Mining Scheme	28-APR-06
	:	Mining Scheme rule 12 MCDR1988	19-MAY-08
	:	Mining Scheme rule 12 MCDR1988	23-SEP-13
	:	MP modif under 17(3) MCR 2016	26-MAR-18

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	Nil	
1b	Exploration over lease area for geological axis 1 or 2	No proposal for the year 2021-22	Entire lease area had been explored in G1 scale by drilling 52 Nos. of bore holes with 1048 meterage.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-	RVGO services India, Hyderabad and About Rs. 73,814.00 (reported by the lessee) spent on exploration.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	The total mining lease area has been explored up to G1 level.
1e	Balance reserve as on 01/04/20	----	Proved Mineral Reserves as on 01/04/2022 - 16.9 million tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			Entire lease area had been explored up to G1 level by drilling 52 Nos. of bore holes with 1048 meterage. No further exploration to be done.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	F.Y. : 2021-22: Mining operations are proposed within the following grid intervals S-880-S786, S729-S184, S647-S284, W10-E275, E0-E413. E66-E451	Work carried out outside the proposed co-ordinates	Violation pointed out as per rule.

2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Only mineral benches proposed	Only mineral benches developed	
2c	Stripping ratio or ore to OB ratio	Nil	Nil	No OB is there in the lease area.
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			The proposed area put to use for mining operations is 35.83 Ha, whereas mining operations were carried out at more than 38 Ha. Violation pointed out as per rule.

### Exploitation:

Sl.No.	Item	Proposals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	2021-22 - 1500000 Tonnes	2021-22 - 14,99,600 Tonnes	
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	Deep hole Drilling with 115 mm dia drill hole and blasting is beinmg done ANFO with Slurry Explosive is proposed in mineral benches.	Drilling is being carried out by spacing of 5m and burden of 3m with a hole depth of about 7.7 meters using 115mm dia holes . Blasting is being done by using ANFO and slurry explosives with NONEL detonators.
3k	Provision of mining machineries in mineral benches	It was proposed to use wagon drills, excavators & dumpers for drilling, loading & transporting of ore to crushing plant.	During inspection. it was observed that wagon drills, dumpers & excavators are being used for drifling. load.ing & transportation of ore to crushing plant .
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	Bench height is being maintained between 7-8 m and digging height of the excavators are compatible with bench height.

3m	Total area covered under excavation/pits	35.83 Ha	Around 38 Ha	Violation pointed out as per Rule.
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	Open Pit - 35.83 Ha Infrastructure - 0.16 Ha Roads - 0.47 Ha	Open pit - Around 38 Ha Plantation - 3.14 Ha	Violation pointed out for excess area of utilisation for mining operations.
3p	Production of ROM mineral during the last five year period as applicable	2017-18 - 970000 Tonnes 2018-19 - 1193404 Tonnes 2019-20 - 1500000 Tonnes 2020-21 - 1500000 Tonnes 2021-22 - 1499600 Tonnes	2017-18 - 1048000 Tonnes 2018-19 - 1404918 Tonnes 2019-20 - 1353832 Tonnes 2020-21 - 1490000 Tonnes 2021-22 - 1499600 Tonnes	
3q	General remarks of inspecting officers on method of mining etc.			Fully mechanised open cast mining is being carried out deploying HEMM with deep hole drilling and blasting.

#### Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	No topsoil, OB and mineral reject dump proposed	OB 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	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	-	
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	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.

#### 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	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 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 return of PMCP shall be submitted in time	Submitted in time	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	
6c	afforestation done (ha).	2021-22 - 0.26 Ha	2021-22 - 0.26 Ha	
6d	No. of saplings planted during the year	2021-22 - 260 Nos.	2021-22 - 278 Nos. within lease and 463 Nos. outside lease area	
6e	Cumulative no .of plants	---	About 9700 no. of sapplings planted so far.	
6f	Any other method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch and care during the year	Rs. 13,500/-	About Rs. 20,000/- (reported by the lessee)	
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)	Quarterly environmental monitoring of core and buffer zone to be carried out.	Quarterly environmental monitoring carried out during 2021-22 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.

#### Mineral Conservation:

Sl.No.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2021- 22 - 1500000 Tonnes of ROM produced to be dispatched	2021-22 - 1499600 Tonnes of ROM produced had been dispatched	
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.

## Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No proposal of generation of top soil is anticipatd during the year 2021-22	No top soil generated.	
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)	2021-22 - 260 Nos. within mining lease	2021-22 - 278 Nos. within mining lease and outside lease 463 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	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly and annual returns to be submitted in time.	Monthly and annual returns submitted in time.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager - Sri. Mahipal Reddy Mining Engineer - Sri. P.Swathikiran Geologist - Sri. G.Kishan	Manager - Sri. Jwannes Reddy Mining Engineer - Sri. P.Swathikiran Geologist - Sri. G.Kishan	Advised lessee to update the Manager details in the returns portal.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit - 35.83 Ha Plantation - 3.14Ha	Aera under mining is more than the area furnished	Violation was pointed out as per Rule.
9d	Scrutiny of Annual return on afforestation	2021-22 - 278 Nos. within lease 463 Nos. of sapplings out side lease.	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.156/-	<p>1. In the cost per tonne calculation, the overhead cost per tonne is given as Rs.1/- whereas the total overhead cost is submitted as NIL in Part-III, Sl.No.6.</p> <p>2. In the cost per tonne calculation, the depreciation is not matching with the total depreciation on fixed assets submitted in other parts of the annual returns.</p> <p>3. In the cost per tonne calculation, the interest amount is not matching with the total interest submitted in other parts of the annual returns.</p>	Show-cause notice issued as per Rule.
9h	Scrutiny of Annual return on fixed assets	Rs.4727441/-	In the cost per tonne calculation, the depreciation is not matching with the total depreciation on fixed assets submitted in other parts of the annual returns.	Violation pointed out as per Rule.
9k	Scrutiny of Annual return on mining machineries	Air compressor -1 No. -445 cum Shovel (hydraulic) - 1 Nos.- 2.6 cum, 1 No. - 0.9 cum Tippers - 6 Nos.-16 cum Dozer - 1 Nos. - 180 HP Drill machine - 1 No. - 115 mm dia hole Explosive van - 1 No. Jeep - 1No.	Above Machineries are deployed in the mining 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)	05-SEP-22			
MCDR17	Rule 27(2)	05-SEP-22			
MCDR17	Rule 31(1)	05-SEP-22			
MCDR17	Rule 45(7) (a)	05-SEP-22			

Date : 13/09/2022

(MADHU SUDHAN YADAV M)

Indian Bureau of Mines