

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

**Review and updation of Mining Plan REPORT**

**Hyderabad regional office**

**Mine file No :** AP/NLG/LST-27/HYD

**Mine code :** 38APR14039

- (i) Name of the Inspecting : **M029** ) **MADHU SUDHAN YADAV M**  
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri. G.S.Subba Rao, Mine Manager, Sri. P.R. Mishra, Q  
Official with  
Designation
- (iv) Date of Inspection : 10-MAR-21
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **SULTANPURA THANDA**
- (b) **Registration NO.** :
- (c) **Category** : A Mechanised
- (d) **Type of Working** : Opencast
- (e) **Postal address**
- State : TELANGANA
- District : NALGONDA
- Village : SULTANPURA THANDA
- Taluka : MATTPALLY
- Post office : SIMHAPURI
- Pin Code : 508204
- FAX No. : 08683227629
- E-mail : nclindia@md4.vsnl.net.in
- Phone : 9390801244
- (f) **Police Station** : MATTAMPALLY
- (g) **First opening date** : 28-OCT-99
- (h) **Weekly day of rest** : SUN
2. **Address for** : SULTANPURA THANDA  
**correspondance** HUZURNAGAR  
NALGONDA
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

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	22-FEB-05
Plan/Scheme of Mining		Modif.approved Mining Scheme	19-MAY-08
		Mining Scheme rule 12 MCDR1988	30-JUL-10
		Modif.approved Mining Scheme	18-JAN-16
		MP modif under 17(3) MCR 2016	27-FEB-17

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

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	
1b	Exploration over lease area for geological axis 1 or 2	2019-20 - 19 holes	2019-20 - Nil 2020-21 - 03 holes drilled during inspection.	Violation issued as per rule for not carrying out exploration as per proposal.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	----	M/s Rock Engineering Core Drillers, Hyderabad.	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	Lessee has covered the entire mineralised area into G1 level laterally but not drilled upto to contact zone.
1e	Balance reserve as on 01/04/20	---	Proved Reserves as on 01/03/2021- 30.49 million tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			Lessee has covered the entire mineralised area into G1 level laterally but not drilled upto to contact zone or ultimate depth.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	2019-20 - N992-N10505 & E3440-E3816	Work done within the proposed co-ordinates.	
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 OB is generated in the proposed mining area and limestone is available in outcrop.

#### 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 - 998763 Te	2019-20 - 46640 Te	
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 proposed in the mineral benches.	Wagon drill being used for drilling with a blast hole dia of 115 mm & depth of 7 m, spacing of 5 meters and burden of 4 meters. Blasting with slurry and emulsion explosives with NONELS as initiating system.
3k	Provision of mining machineries in mineral benches	It was proposed to use wagon drills, exvators & dumpers for drilling, loading & transporting of ore to crushing plant.	Wagon drills, dumpers & excavators are being used for drilling, loading & 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 was proposed to maintain the bench height of 6-7 meters	During inspection it was noticed that the bench height is being maintained between 6-7 m and digging height of the excavators are compatible with bench height.
3m	Total area covered under excavation/pits	12.853 Ha	10.29 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	15.653 Ha	12.549 Ha	
3p	Production of ROM mineral during the last five year period as applicable	2015-16=50,000 tonnes 2016-17=2,60,000 tonnes 2017-18=10,00,625 tonnes 2018-19=10,00,625 tonnes 2019-20=9,98,763 tonnes	2015-16=52,000 tonnes 2016-17=51,000 tonnes 2017-18=50,000 tonnes 2018-19=50,021 tonnes 2019-20=46640 tonnes	
3q	General remarks of inspecting officers on method of mining etc.			Fully mechanized opencast mining is being adopted to exploit the ore using HEMM with deep hole drilling and Blasting.

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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	No proposal	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.	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.

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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	

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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.
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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	Submitted	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	0.23 Ha	0.58 Ha	
6d	No. of saplings planted during the year	2019-20 - 345 Nos.	2019-20 - 360 Nos.	
6e	Cumulative no .of plants	----	1255 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 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.	No area of pit has reached its ultimate pit limit to start Reclamation and Rehabilitation and backfilling activities.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Entire ROM to be utilized directly for captive purpose, hence no grade wise sorting is proposed within the ML.	2019-20 - 46640 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)	345 Nos. saplings over 0.23 Ha in the year 2019-20.	360 Nos. saplings over 0.58 Ha in the year 2019-20.
8g	Survival rate	---	70%
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.

## Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	To be submitted in time	Submitted in time	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager - Sri. G.S.Subba Rao Mining Engineer - Sri. D.V.Akhil Kalyan, Geologist - Sri. G.Kishan	Manager - G.S.Subba Rao Mining Engineer - Sri. D.V.Akhil Kalyan is Geologist of other lease of the lessee.	Violation issued as per rule for no Geologist appointment as per statute.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit - 10.29 Ha Plantation - 0.259Ha	Broadly as per submission.	
9d	Scrutiny of Annual return on afforestation	2019-20 - 395 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.154/-	<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.</p> <p>3. In Part-IIA, Sl.No.3, total interest paid is submitted as nil, whereas interest amount is shown as Rs.1/- per tonne in cost per tonne calculation. 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	<p>AIR COMPRESSOR 450.000 CUM/MN</p> <p>- 1 No.</p> <p>BACK HOE 2.30 CUM - 2 No.</p> <p>TIPPER 14.000 CUM - 6 No.</p> <p>ROCK DRILL (NON-ELEC.) 115.000 MM - 1 No.</p> <p>EXPLOSIVE VAN 6.71 TONNE - 1 No.</p> <p>WATER TANKER 5000.000 LITRE - 1 No.</p> <p>DOZER 330.000 HP - 1 No.</p>	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 couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11(1)	22-MAR-21			
MCDR17	Rule 55(1)(1)	22-MAR-21			

**Date :**

(MADHU SUDHAN YADAV M)

Indian Bureau of Mines