

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

**MCDR inspection REPORT
Hyderabad regional office**

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

Mine code : 38APR14039

- (i) Name of the Inspecting : **DP09**) **D.P.Ravi kumar**
Officer and ID No.
- (ii) Designation : Assistant Mining Geologis
- (iii) Accompanying mine : SHRI G.S. SUBBA RAO, AGM(MINES)
Official with
Designation
- (iv) Date of Inspection : 01/11/2018
- (v) Prev.inspection date : 04/07/2014

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **SULTANPURA THANDA**
- (b) **Registration NO.** :
- (c) Category : A Manual
- (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 : **28/10/1999**
- (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 : **20**
- (d) Date of Expiry : **28/05/2018**
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	22/02/2005
Plan/Scheme of Mining		Modif.approved Mining Scheme	19/05/2008
		Mining Scheme rule 12 MCDR1988	30/07/2010
		Modif.approved Mining Scheme	18/01/2016
		MP modif under 17(3) MCR 2016	27/02/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No backlog for the 2016-17	Not applicable	Nil
1b	Exploration over lease area for geological axis 1 or 2	Total lease area exploration carried out.	Total lease area exploration carried out.	Nil
1c	Exploration Agencies and Expenditure in lakh rupees during the year	M/s RockEngineering Core Drilling.	M/s RockEngineering Core Drilling.	Nil
1d	Balance area to be explored to bring Geological axis in 1 or 2	No proposals	Not applicable	Nil
1e	Balance reserve as on 01/04/20	Balance reserves as on 31.03.2018 = 29.312 Mill tonnes	Balance reserves as on 31.03.2018=29.312 Mill tonnes	Nil
1f	General remarks of inspecting officers on geology, exploration etc	Nil	Nil	Geology and exploration as per proposals.

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	N9935-N10370 & E3400-E3660, 58 -52&46-40 RL	N9935-N10370 & E3400-E3660, 58 -52&46-40 RL	Nil
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No separate benches were proposed for topsoil & OB.	As per proposals.	Nil
2c	Stripping ratio or ore to OB ratio	NA	NA	Nil
2d	Quantity of topsoil generation in m3	No proposal.	Not applicable	Nil

2e	Quantity of overburden generation in m3	Nil	Nil	Nil
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	Nil	Nil	Mine development as per proposal.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 (One number)	1(one number)	Nil
3b	Quantity of ROM mineral production proposed	1000625 mt	50,000 mt	Lessee informed that due to EC clearence, produced less production.
3c	Recovery of sailable/usable mineral from ROM production	Nil	Nil	Nil
3d	Quantity of mineral reject generation	Nil	Nil	Nil
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	Nil
3f	Quantity of sub grade mineral generation.	Not proposed	Not applicable	Nil
3g	Grade of sub grade mineral generation	Not proposed	Not applicable	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanised	Mechanised	Nil
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No proposal	Not applicable	Nil

3j	Provision of drilling and blasting in mineral benches	Nil	Nil	Nil
3k	Provision of mining machineries in mineral benches	2 No's	2 No's	Nil
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6 meters	6 meters	Nil
3m	Total area covered under excavation/pits	5.630 ha	5.630 ha	Nil
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil	Nil
3o	Total area put in use under different heads at the end of year	15.653 ha.	15.653 ha.	Nil
3p	Production of ROM mineral during the last five year period as applicable	2017-18= 10,00,625 Mt 2016-17= 2,60,000 Mt 2015-16= 50,000 Mt 2014-15= 50,000 Mt 2013-14= 51,000 Mt	2017-18=50,000 Mt 2016-17=50,000 Mt 2015-16=50,000 Mt 2014-15=32,500 Mt 2013-14=2,000 Mt	During the inspection lessee informed that presently they have EC for 0.05 mtpa and EC for 1.00 mill tones is under process.
3q	General remarks of inspecting officers on method of mining etc.	Nil	Nil	Mining method is appropriate and exploitation as per proposal.

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	Not applicable	Nil

4b	Location of topsoil, OB and mineral reject dumps	No proposal	Not applicable	Nil
4c	Number of dumps within lease area and outside of lease area	Nil	Nil	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Nil	Nil	Nil
4e	Number of active and alive dumps.	Nil	Nil	Nil
4f	Number of dead dumps.	Nil	Nil	Nil
4g	Number of dumps established.	Nil	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there.	Nil	Nil	Nil
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil	Nil
4j	Number of settling ponds	Not proposed	Not applicable	Nil
4k	Specific comments of inspecting officer on waste dump management	Nil	Nil	Nil

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.	Not proposed as No part is fully extracted.	Not applicable	Nil
5b	Area under backfilling of mined out area	Not proposed.	Not applicable.	Nil

5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposal, as no separate soil is reported in last Approved document.	Not applicable.	Nil
5d	Total area fully reclaimed and rehabilitated	No proposal.	Not applicable	Nil
5e	General remarks of inspecting officers on backfilling and reclamation etc.		No proposal for backfilling and reclamation, and no work has been undertaken.	No proposal for backfilling and reclamation, and no work has been undertaken.

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).	Yes	Submitted	Nil
6b	Area available for rehabilitation (ha) .	Nil	Not applicable.	Nil
6c	afforestation done (ha).	0.040 ha, 500 numbers of saplings.	0.040 ha, 500 numbers of saplings planted.	satisfactory.
6d	No. of saplings planted during the year	500 numbers of saplings.	500 numbers of saplings planted.	satisfactory.
6e	Cumulative no .of plants	8000 numbers of plants	8000 numbers of plants.	Satisfactory.
6f	Any other method of rehabilitation	Not proposed.	Nil	Nil
6g	Cost incurred on watch and care during the year	Rs.5,04,985/-	Rs. 5,04,985/-	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Not proposed	Nil	Nil

6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	No proposal	Not applicable	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	No proposal of backfilling	Not applicable	Nil
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	No proposal	Not applicable	Nil
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other specific means.	No proposal	Not applicable	Nil
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	No proposal	Not applicable	Nil
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	No proposal	Nil	Nil
6o	Compliance of rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	Regular monitoring	Regular monitoring is being carried out.	Nil

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	Nil	PMCP compliances are satisfactory.	PMCP compliances are satisfactory.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	Total ROM Mineral to bedispatched to captive cement platnt.	Total ROM Mineral dispatched to captive cement plant.	Nil
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No sorting proposed.	Not applicable.	Nil
7c	Different grade of mineral sorted out at mines.	No sorting proposed.	Not applicable.	Nil
7d	Any beneficiation process at mines	Not proposed.	Not applicable.	Nil
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	Nil	Nil	No issue related to mineral coservation as all ROM mineral dispatched to captive cement plant.

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No topsoil, stacking,direct use for plantation	No topsoil stacking, direct use for plantation	Nil
8b	Concurrent use or storage of topsoil	Plantation.	Plntation.	Nil

8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No proposals.	Not applicable	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	Nil
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Out side plantation 1,000 No's samples.	Out side plantation 1,000 No's samples	Satisfactory.
8g	Survival rate	80%	80%	Satisfactory.
8h	Water sprinkling on roads to control airborne dust	Daily spraying with water tanker in haul roads.	Daily spraying with water tanker in haul roads.	Daily spraying with water tanker in haul roads.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	Proposed.	2 Water tankers deployed for water sprinkling	No threat to aesthetic beauty Plantation have been carried out as per proposal. Lessee is taking care for environment protection.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Yes.	Monthly returns submitted up to December -2018, Annual Return submitted for 2017-18.	Nil

9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Given	Given	Given
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Given.	Given	Nil
9d	Scrutiny of Annual return on afforestation	Gevin.	Given.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Given.	Given.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Given.	Given.	Nil
9h	Scrutiny of Annual return on fixed assets	Given	Given	Nil
9k	Scrutiny of Annual return on mining machineries	Given	Given	Nil

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 :

(D.P.Ravi kumar)

Indian Bureau of Mines