

**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 : **RA15**) **Rajesh Kumar Das**
Officer and ID No.
- (ii) Designation : Assistant Controller Mine
- (iii) Accompanying mine : Sri G.S.Subba Rao, Mine Manager
Official with
Designation
- (iv) Date of Inspection : 12/02/2016
- (v) Prev.inspection date : 04/07/2014

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** : **20**
- (d) **Date of Expiry** : **21/10/2030**
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 : 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

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	30.43 ha.	proposal given for 17 bore hole in 2011-12 against which 11 bore holes drilled in 2014-15.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year			
1d	Balance area to be explored to bring Geological axis in 1 or 2	26 bore hole proposed in 2015-16 & 7 bore holes in 2016-17.	approx 100 ha.	
1e	Balance reserve as on 01/04/20	7.96 million tons	7.96 million tons as on 01.04.2015 as mentioned in modified mining plan dated 01.12.2015.	
1f	General remarks of inspecting officers on geology, exploration etc			

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	North & NW	As per the proposal.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	NA	NA	
2c	Stripping ratio or ore to OB ratio	NA	No OB generation.	
2d	Quantity of topsoil generation in m3	Nil	Negligible.	
2e	Quantity of overburden generation in m3	Nil	Nil	

2f General remarks of inspecting officers on development of pit w.r.t. type of deposit etc

The working is broadly as per the proposal.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	Two pits	Two pits	
3b	Quantity of ROM mineral production proposed	1043843 MT	415125 MT	
3c	Recovery of sailable/usable mineral from ROM production	100%	No waste generation.	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	NA	NA	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	NA	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	NA	NA	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	NA	NA	
3j	Provision of drilling and blasting in mineral benches	Drilling with 115 mm dia. drill machine and blasting with ANFO & booster.	As per proposal.	

3k	Provision of mining machineries in mineral benches	Provided with shovel tipper combination.	As per proposal.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Avg. height of bench proposed 7 meter.	The same is maintained and is suitable for present method of mining.
3m	Total area covered under excavation/pits		20 ha.
3n	Ore to OB ratio for the pit/mine during the year.	No OB generation.	No OB generation.
3o	Total area put in use under different heads at the end of year		20 ha. for o/c working, 0.25 ha. for infrastructure & roads, 0.25 ha. for plantation.
3p	Production of ROM mineral during the last five year period as applicable	2010-11:919618 MT, 2011-12:1065453 MT, 2012-13:1002920 MT, 2013-14:1042353 MT, 2014-15:1043843 MT	2010-11:389500 MT, 2011-12:535000 MT, 2012-13:425105 MT, 2013-14:344500, 2014-15:415125 MT.
3q	General remarks of inspecting officers on method of mining etc.		The working is within proposed area.

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	NA	NA	
4b	Location of topsoil, OB and mineral reject dumps	NA	NA	
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)	NA	Na
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.	NA	NA
4i	Length of Retaining wall or garland drain all along dumps	NA	NA
4j	Number of settling ponds	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management		No waste generation and no major dump.

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.	NA	Not matured for backfilling.	
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)		Small amount if appears is used for plantation.	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	

5e General remarks of inspecting officers on backfilling and reclamation etc. The ML area not matured for 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).		Not submitted.	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	last scheme period 9204 nos saplings proposed 6.143 ha. area	few afforestation observed in ML area(0.25 ha.)	
6d	No. of saplings planted during the year	last scheme period 9204 nos saplings proposed 6.143 ha. area	400 nos in 2014-15	
6e	Cumulative no .of plants	last scheme period 9204 nos saplings proposed 6.143 ha. area		
6f	Any other method of rehabilitation	NA	NA	
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	NA	NA	
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings	NA	NA	

6p	Compliance of environmental monitoring (core zone and buffer zone)	Quarterly monitoring.	As per proposal.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No grade wise sorting.	NA	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	NA	NA	
7c	Different grade of mineral sorted out at mines.	NA	NA	
7d	Any beneficiation process at mines .	NA	NA	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues		The ROM is directly feed in crusher.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No top soil generation.	Top soil generation negligible.	
8b	Concurrent use or storage of topsoil		for plantation.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	NA	NA	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	NA	NA
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	NA	NA
8h	Water sprinkling on roads to control airborne dust	10 KL water tanker proposed for water spraying.	As per proposal.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		No adverse impact observed.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	AR upto 2014-15 & MR upto feb'2016		
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	The information furnished.		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	20 ha. for o/c pit, 0.25 ha. for infrastructure ,plantation - 0.25 ha.		
9d	Scrutiny of Annual return on afforestation	400 nos in 2014-15 with survival 70%		

9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	29050 MT.
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex.mine price 110 Rs & production cost Rs 139/-
9h	Scrutiny of Annual return on fixed assets	Fixed asset value given Rs 2492529/-
9k	Scrutiny of Annual return on mining machineries	The information regarding machineries given.

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
Rule 13(1)	18/02/2016	21/06/2016			
Rule 23E(2)	18/02/2016	21/06/2016			

Date :

(Rajesh Kumar Das)

Indian Bureau of Mines