

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 : 25) SHRI IBRAHIM SARIF
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : shri. Mahipall Reddy, Manager (Mines),
Official with Designation
- (iv) Date of Inspection : 20-JAN-22
- (v) Prev. inspection date : 08-FEB-21

PART-I : GENERAL INFORMATION

1. (a) Mine Name : GUNDLAPALLI (322.06GUNTAS)
- (b) Registration NO. : IBR/578/2011
- (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-MAR-92
- (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-OCT-40
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-NOV-10
 Termination date

Manager

Name : K.SUDHAKAR RAO
 Qualification : DME
 Appointment/ : 17-AUG-10
 Termination date

6. Date of approval of Mining Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	14-SEP-98
		Mining Scheme rule 12 MCDR1988	05-MAR-03
		Mining Scheme rule 12 MCDR1988	05-AUG-08
		Renewal under rule 24 MCR1960	03-JAN-11
		MP modif under 17(3) MCR 2016	31-MAR-17
		MP review under 17(1) MCR 2016	31-MAR-20
		MP review under 17(1) MCR 2016	15-JUL-20
	MP modif under 17(3) MCR 2016	28-JUN-21	

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	2020-21 - 22 20-21- Nil Bore Holes i.e. 11 DTH and 11 Core Bore holes.	2 Bore holes completed during the year 2020-21, as on date of inspection total 17 bore holes were completed in the year 2021-22. Nil	Violation was pointed out for the balance exploration. <i>Exploration is under progress to carry out exploration.</i>
1b	Exploration over lease area for geological axis 1 or 2	Entire lease area is to be explored in G scale	Entire lease area has been explored in G1 and G2 scale by drilling 79 no. of bore holes in 200 X 200 m grid interval and 400m X 400m Grid interval.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee	Exploration work was allotted to M/s. Rock Engineering Core drillers, Hyderabad. Expenditure incurred so far is Rs. 19,30,130.00 Only	
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	<i>Exploration is under progress.</i>
1e	Balance reserve as on 01/04/20	As on 01.04.2021 : 111- 59.699 Million tonnes	111- 59.699 Million tonnes	
1f	General remarks of inspecting officers on geology, exploration etc			Exploration is completed in G1 scale within UPL by 79 no. of Bore holes, <i>under progress to</i>

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	Nil	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.

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	
3b	Quantity of ROM mineral production proposed	2020-21 - 1000000 Tonns	2020-21 - 996000 Tonns	
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 -		
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- 2.3 cum capacity. Tippers - 10 Nos.- 14 cum capacity Drill machine - 1 No.- 115 mm dia
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	30.478 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	31.813 Ha

3p	Production of ROM mineral during the last five year period as applicable	2015-16 - 850000 Te	2017-18 - 1000000 Te
		2016-17 - 794840 Te	2018-19 - 998638 Te
		2017-18 - 1000000 Te	2019-20 - 854717 Te
		2018-19 - 1000000 Te	2020-21 - 9,96,000 Te
		2019-20 - 1000000 Te	
		2020-21 - 1000000 Te	
		2020-21 - 1000000 Te	
		2020-21 - 1000000 Te	
		2020-21 - 1000000 Te	
		2020-21 - 1000000 Te	

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.

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	Not applicable	
4f	Number of dead dumps.	Nil	-	
4g	Number of dumps established.	Nil	-	
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	Not applicable	

4i	Length of Retaining wall or garland drain all along dumps	No proposal	Not applicable	
4j	Number of settling ponds	No proposal	-	
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	No area is matured for reclamation.
5b	Area under backfilling of mined out area	No proposal	Nil	No area is matured for reclamation.
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	Not applicable	
5e	General remarks of inspecting officers on backfilling and reclamation etc.			No area is matured for reclamation hence no backfilling is done.

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 report on PMCP to be submitted in time	Submitted in time	

6b	Area available for rehabilitation (ha) .	No proposal	Nil
6c	afforestation done (ha) .	2020-21 - 1.33 Ha	2020-21 - 1.33 Ha
6d	No. of saplings planted during the year	2020-21 - 1350 Nos.	2020-21 - 1350 Nos.
6e	Cumulative no .of plants	Not mentioned	5210 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.	Nil	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 2020-21 and all the parameters are within the permissible limit.	
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.			Concrete Retaining wall was construction on the southern side and middle portion of the lease area all along HFL line to avoid the flooding from back waters of Pulichintla dam HFL.

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2020-21 - 100000 Te	2020-21- 996000 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 in captive plant.

Environment:

Sl.No.	Item	Proposals	Actual work	Remarks
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	Not applicable	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	No area is matured for reclamation

8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	2020-21 - 1350 Nos. within mining lease	2020-21 - 1330 Nos. within mining lease and outside lease 650 Nos. of saplings planted	
8g	Survival rate	No proposal	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. Retaining wall construction all along HFL to avoid inundation of mine working due to Pulichintala Dam

Compliance of Rule 45:

Sl.No.	Item	Proposals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to December 2021 A.R. Submitted up to F.Y. 2020-21	M.R. Submitted up to December 2021 and A.R. Submitted up to F.Y. 2020-21	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Following Persdons are reported as employed by Lessee: i. Manager : Sri G.S.Subba Rao ii. Mining Engineer in charge : Sri D.V.Akhil Kalyan iii. Geologist in charge : Sri G.Kishan	Following Persdons are employed by Lessee: i. Manager : Sri G.S.Subba Rao ii. Mining Engineer in charge : Sri D.V.Akhil Kalyan iii. Geologist in charge : Sri G.Kishan	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under Current Working : 30.42 Ha, Plantation : 1.335 Ha	Area under Infrastructure like Over bridge, Haul Road in not furnished.	Violation was pointed out for the same.

9d	Scrutiny of Annual return on afforestation	1351 sapplings is reported to be planted	Plantation of 1351 sapplings carried out with 70% Survival
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	ROM Ore- Nil Graded Ore- Nil	ROM Ore- Nil Graded Ore- Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Ex- Mine Price and Cost of Production : Rs. 166.00	Ex- Mine Price and Cost of Production : Rs. 166.00
9h	Scrutiny of Annual return on fixed assets	Rs. 47,99,661	As reported by Lessee
9k	Scrutiny of Annual return on mining machineries	Shovel- 2.3 cum- 2 No. Tipper/ Dumper- 14.0 cum- No. Dozer- 180 HA- 1 No. Blast Hole Drilling Machine- 115 mm- 1 No.	Shovel- 2.3 cum- 2 No. Tipper/ Dumper- 14.0 cum- No. Dozer- 180 HA- 1 No.

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

Date :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines

