

INDIAN BUREAU OF MINES
MINERALS DEVELOPEMMENT 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 : 25) SHRI IBRAHIM SARIF
Officer and ID No.
- (ii) Designation : Deputy Controller Mines
- (iii) Accompanying mine : Sri. Subba Rao, DGM (Mines), Sri.A.Mahipal Reddy, Man
Official with
Designation
- (iv) Date of Inspection : 21-JAN-22
- (v) Prev.inspection date : 09-FEB-21

PART-I : GENERAL INFORMATION

1. (a) Mine Name : MATTAPALLI
- (b) Registration NO. : IBM / 578 / 2011
- (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	2018-19 : 4 No. of DTH Bore Holes to be drilled	04 no. of DTH bore holes drilled during 2020-21	
1b	Exploration over lease area for geological axis 1 or 2	Entire lease area is to be explored in G1 scale	Entire lease area had been explored in G1 scale. by 52 no. 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 spent on exploration till date.	
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 Reserves as on 01/02/2021 is 18.765 million Tonnes 01/04/2021 1/1/18 - 23.0 Million Tonnes Jan-18- 0.17 Million onnes Feb-18- 0.1 Million onnes 18-19 - 1.404918 Million onnes 19-20 - 1.353832 Million onnes 20-21 -1.49 Million onnes (21-22 upto Jan 22) - 1.24 Million onnes Balance Reserves as on 01.02.2022 : 17.25 Million onnes	
1f	General remarks of inspecting officers on geology, exploration etc			Entire lease area had been explored up to G1 level by 52 no. of bore holes with 1048 meterage.

Development :

Sl.No.	Item	Propasals	Actual work	Remarks
2a	Location of development w.r.t. lease area	F.Y : 2020-21: Mining operations are being carried out beyond approved proposals in <i>between the grid lines and within HFL line of Pulichintala dam.</i> proposed within the following grid intervals S-832-S629, S780- S682,S745- S642,S635- S37,S524-S-224	Mning operations are being carried out beyond approved proposals in <i>between the grid lines and within HFL line of Pulichintala dam.</i>	Vioaltins was pointed out for deviation in development.
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	No proposal of separate benches as there is no Overburden.	Nil	
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 of generation of top soil during the F.Y 2020-21	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			Development is being carried ny maintaining bench height of 8-9 mtrs. Deviation in excavation is observed, Hence Violation has been ointed out

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 - 1500000 Tonnes	2020-21 - 14,90,000 Tonnes	

3c	Recovery of sailable/usable mineral from ROM production	100%	100%
3d	Quantity of mineral reject generation	No proposal of Nil mineral reject generation is anticipated during the year. Entire ROM is being utilised in Captive Cement Plant.	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable Nil	
3f	Quantity of sub grade mineral generation.	No proposal of Nil generation of subgrade is anticipated.	
3g	Grade of sub grade mineral generation	Not applicable Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal of Nil segregation of ore as entire ROM.is being utilised in Captive Plant.	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No	Not applicable.
		beneficiation study has been proposed during plan period.	

3j	Provision of drilling and blasting in mineral benches	Deep hole Drilling with 115 mm dia drill hole and blasting is being 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	Wagon drill- 115 mm Dia- 1No., Tippers -14 cum- 8 No., excavators- 2.6 cum-1 No. 0.9 cum- No. and water tanker- 10,000 Liter capacity. Dozer 180 HP	Above machines are being deployed in the lease in Mineral benches	
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	35.83 Ha	About 37.5 mtrs	VIolation was pointed for excavating more than the area approved
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	38.47 Ha to be utilised for mining and allied activities	About 40.5 Ha area is utilised for mining and allied activities.	

3p	Production of ROM mineral during the last five year period as applicable	2016-17 -	2016-17 - 892896 Tonnes
		800000 Tonnes	2017-18 - 1048000 Tonnes
		2017-18 -	2018-19 - 1404918 Tonnes
		970000 Tonnes	2019-20 - 1353832 Tonnes
		2018-19 -	2020-21 - 14,90,000
		1193404 Tonnes	Tonnes
		2019-20 -	
		1500000 Tonnes	
		2020-21 -	
		1500000 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 separate dump of OB and Mineral reject dumps are there in the lease, as there is no OB, Mineral Reject generation is anticipated	Not applicable	
4b	Location of topsoil, OB and mineral reject dumps	Not applicable --		
4c	Number of dumps within lease area and outside of lease area	Not applicable	Nil	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not applicable	Nil	
4e	Number of active and alive dumps.	Not applicable -		
4f	Number of dead dumps.	No proposal	Nil	

4g	Number of dumps established.	Not applicable Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	Not applicable Nil	
4i	Length of Retaining wall or garland drain all along dumps	Not applicable Nil	There is no Dumps
4j	Number of settling ponds	Not applicable 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	No area is mataured for reclamation, hence no backfilling is being done.
5b	Area under backfilling of mined out area	No proposal	Not applicable	
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No top generation is anticipated during the year .	Not applicabele	
5d	Total area fully reclaimed and rehabilitated	No area is maturated for reclamation.	Nil	

5e General remarks of inspecting officers on backfilling and reclamation etc.

Mining operations are not reached the ultimate pit limit so far, Hence no reclamation is being 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 return of PMCP shall be submitted in time	Submitted in time	
6b	Area available for rehabilitation (ha) .	No proposal	Nil	no area is matured for reclamation/ rehabilitation.
6c	afforestation done (ha).	2020-21 - 0.26 Ha	2020-21 - 0.30 Ha	
6d	No. of saplings planted during the year	2020-21 - 260 Nos.	2020-21 - 310 Nos. within lease and 420 no.s outside lease arae.	
6e	Cumulative no .of plants	---	About 9500 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. 13,000	About Rs. 20,000.00 spent	
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 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.

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	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	2020- 21 - 1500000 Tonnes of ROM produced to be dispatched	2020-21 - 14900000 Tonnes of ROM produced had been dispatched	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal of sorting and sizing is made during the year 2020-21	Nil	
7c	Different grade of mineral sorted out at mines.	No proposal	Nil	
7d	Any beneficiation process at mines .	No beneficiation process is proposed during the year 2020-21	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 2020-21	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	No OB, Mineral Reject generation is there
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)	2020-21 - 260 Nos. within mining lease	2020-21 - 310 Nos. within mining lease and outside lease 420 Nos. of saplings planted	
8g	Survival rate	---	80%	
8h	Water sprinkling on roads to control airborne dust	Water Tankers to be provided for dust supression.	Water tanker is provided for dust supression.	

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.

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	Monthly return up to January 2022 and Annual Returns for the year 2020-21 are to be submitted in time.	Monthly return up to January 2022 and Annual Returns for the year 2020-21 submitted in time.	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager - A.Mahipal Reddy Mining Engineer - P.Swathikiran	Manager, Mining Engineer are employed in the mine.	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit - 35.13 Ha Plantation - 0.26Ha	Aera under mining is more than the area furnished	Violation was pointed out
9d	Scrutiny of Annual return on afforestation	2020-21 -310 Nos within lease 420 no. 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/-	4 no. of Bore holes are carried out during the year. whereas cost incurred for the same is not considered in COP	The same amount is furnished in all the 3 captive leases, but details of other leases is not furnished. VIolation was pointed out in this regard.
9h	Scrutiny of Annual return on fixed assets	Rs.4799661/-	As submitted by Lessee	
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 couse position	
Rule NO.	Issued on Compliance on	Rule NO.	Issued on Compliance on

Date :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines

