

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT 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 : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 07/03/2020
- (v) Prev.inspection date : 11/03/2017

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : **MATTAPALLI**
- (b) **Registration NO.** :
- (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 : 05/06/1998
- (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 : 13/10/2030
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 : S.K.NAZEER, Full Time
 Qualification : B.E.
 Appointment/ : 29/09/2009
 Termination date

Manager

Name : E.UPENDRA CHARY
 Qualification : DIPLOMA IN MINING & FIRST CLASS MINES
 Appointment/ : 20/10/2010
 Termination date

6. Date of approval of Mining	:	Mining Scheme rule 12 MCDR1988	05/03/2003
Plan/Scheme of Mining		Modif.approved Mining Scheme	28/04/2006
		Mining Scheme rule 12 MCDR1988	19/05/2008
		Mining Scheme rule 12 MCDR1988	23/09/2013
		MP modif under 17(3) MCR 2016	26/03/2018

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	4	4	
1b	Exploration over lease area for geological axis 1 or 2	Nil	Nil	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Nil	M/s Rock Engineering Core Drillers, Hyderabad under the guidance of lessee & Cost is rs 72,814/-	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20		21.278 Million Tonnes	
1f	General remarks of inspecting officers on geology, exploration etc		The lease area is part of palnad basin and of simple sedimentary formation of bedded stratiform deposit. So far 45 bore holes are drilled in the lease in 200 m grid interval	

Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	S781-S729 & E79-E415 S212- S148&E67-E242 S487- S191&E349-E519 S751-S675&W9- E226 S682-S488&W30- E135 S696- S206&E332-E501 S658- S227&E144-E438	Mine development is being carried within approved proposals for the plan period.	
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Nil	Nil	

2c	Stripping ratio or ore to OB ratio	Nil	Nil
2d	Quantity of topsoil generation in m3	Nil	Nil
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		Mine is developed by maintaining bench height of 6 meters and width more than height. There is no overburden present in the lease area

Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	1 No	1 No	
3b	Quantity of ROM mineral production proposed	11,93,404 MT	14,04,918 MT	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	Nil	Nil	
3e	Grade of mineral rejects generation and threshold value declared.	Nil	Nil	
3f	Quantity of sub grade mineral generation.	Nil	Nil	
3g	Grade of sub grade mineral generation	Nil	Nil	
3h	Manual / Mechanised method adopted for segregating from ROM	no such proposal	No segregation of mineral, as entire ROM is utilized in cement plant. Hence not applicable	

3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	No such proposals	Nil
3j	Provision of drilling and blasting in mineral benches	Deep hole drilling of 115 mm dia drill and Blasting with high explosives is to be carried out	Atlas capco XAH 210 Compressor and BVB 25 Drill machine(115mm dia) are used for drilling by maintaining burden spacing of 3m x 5m. Blasting is being carried out using milli second delay detonator.
3k	Provision of mining machineries in mineral benches	1).ShovelsTATA 470H , Kobelco 220and 210 (rock Breaker). 2)Tippers: 10 Nos 16 cubic meters , 4)BEML D80 Dozer 5)30Water Tanker 20KL	1).ShovelsTATA 470H , Kobelco 220and 210 (rock Breaker). 2)Tippers: 10 Nos 16 cubic meters , 4)BEML D80 Dozer 5)30Water Tanker 20KL
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	No Over Burden -	
3m	Total area covered under excavation/pits	31.72 ha	31.72 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	38.77 Ha	31.72 Ha

3p	Production of ROM mineral during the last five year period as applicable	1) 2018-19=11,93,404MT	1) 2018-19=14,04,918Mt
		2) 2017-18=9,70,000 Mt	2) 2017-18=10,48,000 Mt
		3) 2016-17=8,00,000 Mt	3) 2016-17=8,92,896 Mt
		4) 2015-16=8,00,000 Mt	4) 2015-16=8,54,000 Mt
		5) 2014-15=8,00,000 Mt	5) 2014-15=8,32,300 Mt

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 using high explosives with milli second delay detonators.
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Solid Waste Management - Dumping:

Sl.No.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Nil	Nil	
4b	Location of topsoil, OB and mineral reject dumps	Nil	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)	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.	Nil	Nil
4i	Length of Retaining wall or garland drain all along dumps	Nil	Nil
4j	Number of settling ponds	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management		No OB is there in the lease hence there no necessity of waste management

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.	Nil	Nil	
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)	Nil	Nil	
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.	Nil		No area is matured for reclamation

Progressive Mine Clousre Plan:

Sl.No.	Item	Propasals	Actual work	Remarks
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6a	Whether Annual report on PMCP submitted on time and correctly. Rule 23 E(2).	To be submitted yearly	Submitted for the year 2018-19
6b	Area available for rehabilitation (ha) .	Nil	Nil
6c	afforestation done (ha).	0.26 ha	0.26 ha
6d	No. of saplings planted during the year	255 No's	255 No's
6e	Cumulative no .of plants	9,904 No's	9,904 No's
6f	Any other method of rehabilitation	-	-
6g	Cost incurred on watch and care during the year	Rs. 5,34,000/-	Rs. 5,34,000/-
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (Lx B x D	Nil	Nil
6p	Compliance of environmental monitoring (core zone and buffer zone)	To be carried out quarterly.	Quarterly monitoring is being carried out regularly.
6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.		Afforestation is being carried out by lessee to improve aesthetic beauty, quarterly monitoring is being carried out and results are within permissible limit

Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
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7a	ROM Mineral dispatch or grade-wise sorting within lease area	11,93,404 MT	14,05,000 MT	Supplying to own Cement Plant by Blending of Limestone of Different Benches- Captive Mine
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	Mechanized	Mechanized	Blending from different benches in the lease and other mines of low grade ore.
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 high grade mineral of the lease is being utilized for blending with siliceous limestone of other lease of the lessee thus optimum utilization of low grade ore is ensured

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Nil	Nil	
8b	Concurrent use or storage of topsoil	Nil	Nil	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Nil	Nil	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil	

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Within lease 225 nos., Outside lease 1565 No's sapples	Within lease 225 nos., Outside lease 1565 No's sapples
8g	Survival rate		80%
8h	Water sprinkling on roads to control airborne dust	Water sprinling arrangements to be made to suppress the dust in the mine	Water sprinkling with water tanker in the lease is there to suppress the dust in the mine.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area		Plantation is being carried out to improve aesthetic beauty

Compliance of Rule 45:

Sl.No.	Item	Propasals	Actual work	Remarks
9a	Status of submission of Monthly and Annual returns	To be submitted yearly	Returns are submitted for the year 2018-19	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager : A.Mahipal Reddy, Mining Engineer in charge P.Swathikiran Reddy, Geologist in charge G.Kishan	All are employed	

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under current (O/C) Workings : 31.72 Ha, Plantation : 0.26 Ha	Covered under current (O/C) Workings : 31.72 Ha, Plantation : 0.26 Ha
9d	Scrutiny of Annual return on afforestation	255 sapplings	255 sapplings
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	6168 MT	6168 MT
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	AIR COMPRESSOR 450.000 CUM/MN 1 BACK HOE 2.30 CUM 2 TIPPER 14.000 CUM 6 ROCK DRILL (NON-ELEC.) 115.000 MM 1 EXPLOSIVE VAN 6.71 TONNE 1 WATER TANKER 12000 & 5000 LITRE 1 DOZER 330.000 HP 1 Pump 60.000 L/MN 1	AIR COMPRESSOR 450.000 CUM/MN 1 BACK HOE 2.30 CUM 2 TIPPER 14.000 CUM 6 ROCK DRILL (NON-ELEC.) 115.000 MM 1 EXPLOSIVE VAN 6.71 TONNE 1 WATER TANKER 12000 & 5000 LITRE 1 DOZER 330.000 HP 1 Pump 60.000 L/MN 1
9h	Scrutiny of Annual return on fixed assets		
9k	Scrutiny of Annual return on mining machineries		

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 :

(SHRI IBRAHIM SARIF)

Indian Bureau of Mines