

**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 : 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 : 01/11/2018

PART-I : GENERAL INFORMATION

1. (a) **Mine Name** : SULTANPURA THANDA
- (b) **Registration NO.** :
- (c) **Category** : A Mechanised
- (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 correspondance** : SULTANPURA THANDA
HUZURNAGAR
NALGONDA
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

6. Date of approval of Mining Plan/Scheme of Mining	:	Mining Scheme rule 12 MCDR1988	22/02/2005
		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	None	None	
1b	Exploration over lease area for geological axis 1 or 2	Total lease area exploration carried out.	Total lease area explored in G1 scale.	
1c	Exploration Agencies and Expenditure in lakh rupees during the year	-	M/s Rock Engineering Core Drillers, Hyderabad under the guidance of lessee	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Nil	Nil	
1e	Balance reserve as on 01/04/20		15.03 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. Total lease area explored in G1 scale.	

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	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 8 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	01	01	
3b	Quantity of ROM mineral production proposed	10,00,625 Mt	50,021 Mt	
3c	Recovery of sailable/usable mineral from ROM production	100% of ROM production	100% of ROM production	
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 segregation of mineral, as entire ROM is utilized in cement plant. Hence not applicable	Nil	
3i	Any analysis or beneficiation study proposed and carried out for sub grade mineral and rejects.	Nil	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).Shovels TATA 470H , Kobelco 220and 210 (rock Breaker). 2)Tippers: 10 Nos 16 cubic meters 3)BEML D80 Dozer 4)30Water Tanker 20KL,	1).Shovels TATA 470H , Kobelco 220and 210 (rock Breaker). 2)Tippers: 10 Nos 16 cubic meters 3)BEML D80 Dozer 4)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		6.700 ha
3n	Ore to OB ratio for the pit/mine during the year.	Nil	Nil
3p	Production of ROM mineral during the last five year period as applicable	1)2018-19=10,00,625 Mt 2) 2017-18=10,00,625 Mt 3) 2016-17=2,60,000 Mt 4) 2015-16=50,000 Mt 5) 2014-15=50,000 Mt	1)2018-19=50,021 Mt 2) 2017-18=50,000 Mt 3) 2016-17=51,000 Mt 4) 2015-16=52,000 Mt 5) 2014-15=32,500 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

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	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.	--	No area is matured for reclamation	

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).	Yearly report to be submitted regularly	Yearly report on Reclamation & Rehabilitation has been submitted in time.	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	0.37 ha	0.37 ha	
6d	No. of saplings planted during the year	445 No's	445 No's	
6e	Cumulative no .of plants	8445 No's	8445 No's	
6f	Any other method of rehabilitation	No proposal	Nil	
6g	Cost incurred on watch and care during the year	Nil	Nil	

6p	Compliance of environmental monitoring (core zone and buffer zone)	Environment monitoring to be carried out regularly	Environment monitoring is being carried out quarterly
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
7a	ROM Mineral dispatch or grade-wise sorting within lease area	10,00,625 MT	49950 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.	No proposal	Nil	
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		High grade of the mine is being blended with low grade ore of adjaace lease for optimum utilisation of low grade ore.	

Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
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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 445 nos. Outside lease 1240 No's sapples
8g	Survival rate	-	85%
8h	Water sprinkling on roads to control airborne dust	Water sprinkling arrangement is to be made using water tanker in the lease to suppress the dust .	Water sprinkling arrangement is there
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	MR & AR has to be submitted regularly.	MR & AR is being submitted regularly	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Manager G.S.Subba Rao, Mining Engineer in charge, D.V.Akhil Kalyan, 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 : 6.7 Ha, Plantation : 0.37 Ha	Covered under current (O/C) Workings : 6.7 Ha, Plantation : 0.37 Ha	
9d	Scrutiny of Annual return on afforestation	445 nos.	445 Nos.	
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	4571 MT	4571 MT	
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Rs. 154	Rs. 154	
9h	Scrutiny of Annual return on fixed assets	Rs. 4167414	As reported by lessee	

9k	Scrutiny of	AIR COMPRESSOR	AIR COMPRESSOR	450.000
	Annual return on	450.000 CUM/MN	CUM/MN	1
	mining	1	BACK HOE 2.30	CUM 2
	machineries	BACK HOE 2.30	TIPPER 14.000	CUM 6
		CUM 2	ROCK DRILL (NON-ELEC.)	
		TIPPER 14.000	115.000 MM	1
		CUM 6	EXPLOSIVE VAN	6.71 TONNE
		ROCK DRILL	1	
		(NON-ELEC.)	WATER TANKER	5000.000
		115.000 MM	LITRE	1
		EXPLOSIVE VAN	DOZER	330.000 HP
		6.71 TONNE	1	
		WATER TANKER		
		5000.000 LITRE		
		1		
		DOZER	330.000	
		HP	1	

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