

**INDIAN BUREAU OF MINES
MINERALS DEVELOPMENT AND REGULATION DIVISION**

Review and updation of Mining Plan 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 : Sr. Asst. Contrl. Mines
- (iii) Accompanying mine :
Official with
Designation
- (iv) Date of Inspection : 07/03/2020
- (v) Prev.inspection date :

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 correspondance** : SIMHAPURI VILLAGE
MATTAMPALLY MANDAL
NALGONDA DISTICT
3. (a) **Lease Number** : APR0159
- (b) **Lease area** : 130.37
- (c) **Period of lease** : 50
- (d) **Date of Expiry** : 21/10/2040
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
	:	MP modif under 17(3) MCR 2016	31/03/2017

PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	10 Nos.	4 BORE HOLES	Violation was pointed out to lessee
1b	Exploration over lease area for geological axis 1 or 2	Entire lease area to be explored in G1 Scale	G1 Scale:49.90 Ha G2 scale: 48.78 Ha, G3 scale : 31.69 Ha	Violation was pointed out on 15/05/2020. Out of 32 bore holes, lessee drilled 13 bore holes only remaining 19 backlog bore holes are committed to drill in the year 2020-21 in the new document submitted
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Lessee	M/s Rock Engineering Core Drillers, Hyderabad under the guidance of lessee & Cost incurred is Rs. 17,80,310/	
1d	Balance area to be explored to bring Geological axis in 1 or 2	Entire lease area to be explored in G1 Scale	G2 scale : 48.78 Ha, G3 scale : 31.69 Ha	
1e	Balance reserve as on 01/04/20		56.695 Million Tonnes as on 01.04.2020	
1f	General remarks of inspecting officers on geology, exploration etc		Violation was pointed out to lessee for not carrying out exploration. Balance area of about 32 Ha is to be explored, Lessee submitted the proposal of exploration to be completed in 2020-21 to convert the area in to G1 scale. The lease area is part of palnad basin and of simple sedimentary formation consist of litho units, Grey to dark Grey Limestone, Light grey / White Limestone. Limestone bands have general trending NNE-SSW with shallow dip of 10 to 12 degrees towards East/ South East.	

Development :

Sl.No.	Item	Propasals	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	NA	
2c	Stripping ratio or ore to OB ratio	Nil	Nil	No OB
2e	Quantity of overburden generation in m3	No proposal of OB generation	Nil	
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc		Pit is proposed to develop by maintaing bench height of 6 meters. There is no OB available in the lease 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	10,00,000 MT	9,98,636 MT	
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	No proposal of Mineral generation	Nil	
3f	Quantity of sub grade mineral generation.	No proposal of Sub grade generation	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.	No proposal	Nil
3j	Provision of drilling and blasting in mineral benches	Deep hole drilling using 115mm dia drill hole by maintaining Spacing of 5 meters and Burden of 3 meters. Blasting is being done by using ANFO, Slurry explosives in combination with delay detonators.	Drilling and Blasting is being carried out as per proposals approved mining plan
3k	Provision of mining machineries in mineral benches	1).Shovels TATA 470H , Kobelco 220and 210 (rock Breaker). 2)Tippers: 10 Nos 16 cubic meters 4)BEML D80 Dozer 5)30Water Tanker 20KL	1).Shovels TATA 210 , TATA220and 200 (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		Yes Bench height of 6 meters is suitable for this mine
3m	Total area covered under excavation/pits	34.095 ha	28.98 ha

3o	Total area put in use under different heads at the end of year	Under Mining: 28.98 Ha Infrastructure : 0.24 Ha Road : 1.3 Ha																				
3p	Production of ROM mineral during the last five year period as applicable	<table border="0"> <tr> <td>2015-16</td> <td>2017-18=</td> </tr> <tr> <td>=8,50,000 Mt</td> <td>10,00,000 Mt</td> </tr> <tr> <td>2016-17</td> <td>2018-19=</td> </tr> <tr> <td>=7,94,840 Mt</td> <td>9,98,638 Mt</td> </tr> <tr> <td>2017-18</td> <td>2019-20=</td> </tr> <tr> <td>=10,00,000 Mt</td> <td>8,54,717 MT</td> </tr> <tr> <td>2018-19=</td> <td></td> </tr> <tr> <td>10,00,000 Mt</td> <td></td> </tr> <tr> <td>= 2019-20</td> <td></td> </tr> <tr> <td>Mt</td> <td></td> </tr> </table>	2015-16	2017-18=	=8,50,000 Mt	10,00,000 Mt	2016-17	2018-19=	=7,94,840 Mt	9,98,638 Mt	2017-18	2019-20=	=10,00,000 Mt	8,54,717 MT	2018-19=		10,00,000 Mt		= 2019-20		Mt	
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3q	General remarks of inspecting officers on method of mining etc.	Fully Mechanised method bydeploying HEMM with Deep hole Drilling and Blasting is being practised by maintaining bench height of 6 meters and width more than 20 meters.																				

Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	There is no top soil generation, hence no proposal	Nil	
4c	Number of dumps within lease area and outside of lease area	No dumps as there is no OB	Nil	
4h	Whether Retaining wall or garland drain all along dumps are there.	No retaining wall as there is no dumps in the area	Nil	
4j	Number of settling ponds	no proposal	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	No area is matured for RECLAMATION
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	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		No area is 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).	To be submitted yearly	Submitted for the year 2018-19	
6b	Area available for rehabilitation (ha) .	Nil	Nil	
6c	afforestation done (ha).	0.755 ha	0.755 ha	
6d	No. of saplings planted during the year	1260 No's	1260 No's	
6g	Cost incurred on - watch and care during the year	-	Rs. 3,30,000/-	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Environmental monitoring is to be carried out Every quarter.	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
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	1000000 Tonnes	999203 Tonnes	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	Nil	
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues			Siliceous limestone present in over grey Limestone having more than 18% Silica is also being utilized fir Cement Manufacturing by blending with high grade of ore of other leases 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	

8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Nil	Nil
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)		Within lease 1260 No's, Out side lease 1850 No's sapples planted
8g	Survival rate	-	80%
8h	Water sprinkling on roads to control airborne dust	Water sprinkling arrangements to be made with water tanker in haul roads.	wqater sprinkling arrangements are thre 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	AR & MR to be submitted regularly	AR & MR is being submitted regularly	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: D.V.Akhil Kalyan, Geologist: G.Kishan, Manager : G.S.Subba Rao	All are employed by lessee	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit : 25.965 Ha, Plantation :0.775 ha	Pit : 25.965 Ha, Plantation :0.775 ha	

9d	Scrutiny of Annual return on afforestation	Plantation of 1260 nos. within lease, 1860 nos. outside lease has been carried out	Yes the same is observed in the field
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	Rs. 166	Rs. 166
9h	Scrutiny of Annual return on fixed assets	Rs. 4167414	As reported by lessee
9k	Scrutiny of Annual return on mining machineries	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 5000.000 LITRE 1 DOZER 330.000 HP 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 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 couse position		
Rule NO.	Issued on	Compliance on	Rule NO.	Issued on	Compliance on
MCDR17	Rule 11 (1)	15/05/2020			
MCDR17	Rule 26 (1)	15/05/2020			
MCDR17	Rule 31 (1)	15/05/2020			

Date :**(SHRI IBRAHIM SARIF)**

Indian Bureau of Mines