

Indian Bureau of Mines
Minerals Development and Regulation Division
MCDR Inspection Report
Hyderabad Regional Office.

Mine File No: AP/NLG/Lst-27/Hyd.

Mine Code: 38APR14039

1) Name of Inspecting officer:	Shri. M.K. Kalmata
2) Designation	Regional Mining Geologist
3) Accompanying mine official with designation	Sri. G S Subba Rao – Mines Manager Sri. M .Manoj Kumar – Geologist Sri. G.Ganesh–Mining Engineer
4) Date of Inspection	12- 09 - 2024
5) Date of Previous Inspection	01- 02 - 2024

Part-I: General

S.No.	Particulars	Details
1	Name of the Mine	SulthanpurThandaLimestone Mine.
2	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease Area:42.83 Ha. Non Forest: 42.83 Ha
3	Mine code	38 APR 14039
4	IBM Registration Number under rule 45 of	IBM/578/2011
5	Name of the lessee, Address, phone, email and fax number	M/s NCL Industries Ltd, Simhapuri—508204 Mattampally(M),Suryapeta (Dt),Telangana (State)
6	Village	Peddavedu
7	Taluka/Mandal	Mattampally
8	District	Suryapeta
9	Pin code	508204
10	State	Telangana
11	Post office	Simhapuri
12	Nearest police station	Simhapuri
13	Nearest Railway station	Nadikudi
14	Date of Grant of Mining Lease	22.06.1996
15	Date of Execution	29.10.1996
16	Period	28.10.2046

17	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Shri.K. Gautam, Managing Director, Date: 13.11.2015 M/s. NCL Industries Ltd, 6 th & 7 th Floor, NCL Pearl, Near Rail Nilayam, S. D.Road, Secunderabad-500 026. Fax: 91-40 – 29807871 Phone: 91-40 – 30120000
18	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Sri. S.Chakradhar President (Works) Date: 17.07.2015 M/s. NCL Industries Ltd, Mattapally (V), Mattampally (M), Suryapeta – 508 204 Fax: 08683 - 227629 Phone: 08683 - 227630
19	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines, qualification	Sri. G S Subba Rao, Mines Manager Date: 02.09.2015 Email: mines@nclind.com
20	Name of the Mining Engineer & Geologist, Qualification and date of appointment in mine,	1. Mr G.Ganesh, Mining Engineer,(B.Tech Mining Engineering) Date: 30.03.2024 2. M.Manoj Kumar , Geologist(M.sc Geology) Date: 09.08.2021
21	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	AP/NLG/MP/LST-31/HYD 08.04.2021
22	Name of the Mineral	Limestone
23	Method of Mining(Opencast, Underground)	Opencast
24	Category (Fully Mechanized, Others or Manual)	Category – A (Fully Mechanized)
25	Captive/Non Captive	Captive

PART-II**Exploration :**

Sl. No.	Item	Proposals	Actual Work	Remarks
1a	Backlog of previous year	None in the year 2023-24.	None in the year 2023-24.	In the present plan period, lessee has drilled 19 boreholes against the proposal of 12 exploratory boreholes in the year 2020-21& 2021-22.
1b	Exploration over lease area for geological axis 1 or 2	None in the year 2023-24.	None in the year 2023-24.	Laterally, entire area was already explored under G-1 level, but most of the boreholes were ended in ore only. To prove the depth continuity of the ore body, lessee has drilled 19 boreholes in the present block period.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	None in the year 2023-24.	None in the year 2023-24.	The exploration was carried out by lessee only by engaging drilling machine. The exploration was carried out under the supervision of geologist of the lease and expenditure

				incurred on exploration is approximately 50 lakhs for 19 boreholes.
1d	Balance area to be explored to bring Geological axis in 1 or 2	None in the year 2023-24.	None in the year 2023-24.	Entire area is explored under G-1 level. However, to prove the depth continuity of ore body lessee has drilled 19 boreholes in the present plan period.
1e	Balance reserves as on 01/04/2017	As per the approved document dated 08-04-2021. The details of reserves/resources are as follows. (In Million tonnes) Proved Mineral Reserves(111) - 25.759 Feasibility M Resources (221) - 18.486 Total:- 44.245	Reserves/resources as on 01.04.2024 are as follows. (In million tonnes) Proved Mineral Reserves(111) - 24.351 Feasibility M Resources (221) - 18.486 Total:- 42.837	After completion Exploration lessee has submitted Geological report with updated reserves/resources. However, while scrutiny of report it is observed that Geological report was not properly prepared and reserves/resources were not estimated as per MEMC Rules 2015. So, violation is pointed out for the same under Rule 12

				(4B) of MCDR 2017. Since the reserves furnished in the Geological report are incorrect. Reserves/resources were updated by depleting the production carried out from 2021-22 to 2023-24 from the reserves/resources mentioned in the approved document.
1f	General remarks of inspecting officers on geology, exploration etc.		The area is located in the North-Eastern margins of the Cuddapah Basin called "Palnad sub-basin". The geological formation in the area comprises of a sequence of Arenaceous, Argillaceous and Calcareous rocks belongs to the Kurnool group of rocks. The general strike of the formation is NNE to SSW and dip varies from 10 to 12 degree towards East/South-	The entire Mineralized area is explored under G-1 level by drilling 47 exploratory boreholes to total depth of 2296 mtrs. The lessee has drilled 19 boreholes in the present plan period and submitted Geological report after completion of the exploration. The submitted geological report was not in order and reserves/resources were not updated as

			East.	per the MEMC Rules 2015. Violation is pointed out for the same under Rule 12(4B) of MCDR 2017.
Development :				
Sl.N o.	Item	Proposals	Actual Work	Remarks
2a	Location of development w.r.t. lease area	In the year 2023-24 there was a proposal to produce limestone between the co-ordinates N1848250 to N 1848755 & E 376580 to E 377030.	Actual working is carried out between the co-ordinates N1848360 to 1848940 and E 376600 to 376900.	In the Eastern side working is not carried out up to the proposed area, but production is achieved by advancing the benches in the North-Eastern and South-Western side of the lease. Violation is pointed out for the same under Rule 11(1) of MCDR 2017.
2b	Separate benches in topsoil, overburden and minerals (Rule-15)	Benches were proposed in ore only.	Benches exist in ore only.	No topsoil or OB is existing in the proposed working area. And existing benches are in ore only.
2c	Stripping ratio of ore to OB ratio	1:0	1:0	No OB is existing in the proposed working area.
2d	Quantity of topsoil generation in m ³	None in the year 2023-24.	None in the year 2023-24.	No topsoil generation is proposed in the present plan

				period.
2e	Quantity of overburden generation in m ³	None in the year 2023-24.	None in the year 2023-24.	No OB/waste generation is proposed in the present plan period.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc.		The bench parameters are almost kept as per the proposal. However, due to less production during last two years of the present five year block period the working has been not carried out as per the proposal. In the Eastern side working is not carried out up to the proposed area, but production is achieved by advancing the benches in the North-Eastern and South-Western side of the lease. Violation is pointed out for the same under Rule 11(1) of MCDR 2017.	
Exploitation :				
Sl.No.	Item	Proposals	Actual Work	Remarks

3a	Number of pit proposed for production	One pit in the year 2023-24.	One pit in the year 2023-24.	
3b	Quantity of ROM mineral production proposed	1000000 tonnes in the year 2023-24	999000 tonnes in the year 2023-24.	The production is almost achieved in the year 2023-24.
3c	Recovery of saleable / usable mineral from ROM production	100%	100%	
3d	Quantity of mineral reject generation	None in the year 2023-24.	None in the year 2023-24.	
3e	Grade of mineral rejects generation and threshold value declared.	Not applicable.	Not applicable.	
3f	Quantity of subgrade mineral generation.	None.	None.	
3g	Grade of subgrade mineral generation.	Not applicable.	Not applicable.	
3h	Manual / Mechanized method adopted for segregating from ROM	None.	None.	
3i	Any analysis or beneficiation study proposed and	None.	None.	

	carried out for subgrade mineral and rejects			
3j	Provision of drilling and blasting in mineral benches	yes, proposed deep hole drilling and blasting.	Lessee is doing drilling and blasting as per the proposal.	Using drilling machine of 115mm capacity for drilling blast holes and loose ammonium nitrate slurry explosive for blasting.
3k	Provision of mining machineries in mineral benches	Yes proposed.	Using Combination of excavators and tippers for production and development.	Additionally using rock drilling machine of 115mm for drilling blast holes.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	6.00 mtr bench height is proposed.	Maintained bench height of 5 to 6.00 mtrs.	The bench height proposed and maintained is suitable for the nature of the deposit and method of mining adopted.
3m	Total area covered under excavation / pits	Area under Mining:- 20.245 ha up to 2023-24.	Area under mining 12.90Ha up to 2023-24.	Due to less production during last two years of the present five year block period the working has been not carried out as per the

				proposal.
3n	Ore to OB ratio for the pit/mine during the year.	1:0	1:0	No OB is existing in the proposed working area.
3o	Total area put in use under different heads at the end of year	Area under Mining:- 20.245 ha, Infrastructure:- 1.026Ha Others (Plantation/garland drain) up to 2023-24.	Area under pits is 12.90Ha, Infrastructure (Road and buildings):- 3.42Ha, and area covered under plantation within the lease area is 0.68Ha.	
3p	Production of ROM mineral during the last five year period as applicable	2023-24 - 1000000T 2022-23 - 1000000T 2021-22 - 1000000T 2020-21 - 1000000T 2019-20 - 998763T	2023-24 - 999000T 2022-23 - 359500T 2021-22 - 49700T 2020-21 - 46789T 2019-20 - 46640T	Due to non availability of the EC for enhanced production, the production is not achieved as per the proposal up to 2022-23. So there is a negative deviation in the actual production.
3q	General remarks of inspecting officers on method of mining etc.		The mine is opencast & method of mining adopted is fully mechanized with deep hole drilling and blasting. Lessee is doing drilling and	Additionally, lessee is using rock drilling machine for reduce the size of the ROM boulders.

			blasting for loosening of strata and using combination of Excavators and tippers for bench cleaning and loading of the ROM.	
Solid Waste Management - Dumping :				
Sl.No.	Item	Proposals	Actual Work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32, 33)	None in the year 2023-24.	None in the year 2023-24.	No topsoil, OB is existing in the area proposed for mining in the present five years block period. Recovery is 100% and generation mineral reject is also Nil.
4b	Location of topsoil, OB and mineral reject dumps	None in the year 2023-24.	None in the year 2023-24.	No dumps are existing within the lease area.
4c	Number of dumps within lease area and outside of lease area	None in the year 2023-24.	None in the year 2023-24.	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Not applicable.	Not applicable.	
4e	Number of active and alive dumps.	None in the year 2023-24.	None in the year 2023-24.	No dumps are existing within the

				lease area.
4f	Number of dead dumps.	None in the year 2023-24.	None in the year 2023-24.	
4g	Number of dumps established.	None in the year 2023-24.	None in the year 2023-24.	
4h	Whether retaining wall or garland drains all along dumps are there.	None in the year 2023-24.	None in the year 2023-24.	
4i	Length of retaining wall or garland drain all along dumps.	None in the year 2023-24.	None in the year 2023-24.	
4j	Number of settling ponds	None in the year 2023-24.	None in the year 2023-24.	
4k	Specific comments of inspecting officers on waste dump management .		No topsoil, OB, and mineral reject is proposed and generated in the present five year block period, so no dumping was made.	No dumps are existing within the lease area.

Solid Waste Management - Backfilling :

Sl.N o.	Item	Proposals	Actual Work	Remarks
5a	Status of part or full extraction of	Not proposed.	Nil	No backfilling is proposed in the

	mineral from mined out area before starting backfilling			present plan period.
5b	Area under backfilling of mined out area	Not proposed.	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed.	Nil	
5d	Total area fully reclaimed and rehabilitated	Not proposed.	Nil	
5e	General remarks of inspecting officers on backfilling and reclamation etc.		Present working is not reached up to the proved depth and no proposals were made for reclamation and rehabilitation in the present plan period.	

Progressive Mine Closure Plan :

Sl.No.	Item	Proposals	Actual Work	Remarks
6a	Whether Annual report on PMCP submitted on time and	Before 1st July of every year.	Submitted yearly report on PMCP within the prescribed time limit.	PMCP report submitted on 28.06.2024 along with the Annual returns submitted

	correctly. Rule 26(2)			for the year 2023-24.
6b	Area available for rehabilitation (ha)	None in the year 2023-24.	None in the year 2023-24.	No area is matured for Reclamation and Rehabilitation.
6c	Afforestation done (ha)	0.133Ha in the year 2023-24.	0.14Ha in the year 2023-24.	
6d	No. of saplings planted during the year	333 saplings in the year 2023-24.	340 saplings in the year 2023-24.	
6e	Cumulative no. of plants	1558 saplings in the present five year block period (2021-22 to 2025-26)	1026 saplings were planted up to 2023-24 in the present five year block period.	Total plantation made so far is 4169 and area covered is 4.27Ha.
6f	Any other method of rehabilitation	None.	None.	
6g	Cost incurred on watch and care during the year	Rs 12000 for plantation.	Approximately Rs 50000	For plantation and watch and care.
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (LxBxD)	Nil	Nil	
6i	Compliance	Nil	Nil	

	on reclamation and rehabilitation by backfilling (ii) Voids filled by waste / tailings			
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on backfilled area	Nil	Nil	
6k	Compliance on reclamation and rehabilitation by backfilling (iv) Rehabilitation by making water reservoir	Nil	Nil	
6l	Compliance on reclamation and rehabilitation by backfilling (v) any other	Nil	Nil	

	specific means.			
6m	Compliance of rehabilitation of waste land within lease (i) afforestation	Nil	Nil	
6n	Compliance of rehabilitation of waste land within lease (ii) Area rehabilitation (ha)	Nil	Nil	
6o	Compliance of rehabilitation of waste land within lease (ii) Method of rehabilitation	Nil	Nil	
6p	Compliance of environmental monitoring (core zone and buffer zone)	Yes, Air, Water and Noise monitoring was proposed in Core and Buffer zone.	Environmental monitoring in the core and buffer zone is carried out as per the proposal and results are within permissible limits.	Environmental monitoring is carried out by M/s Lawn Enviro Associates, Hyderabad.
6q	General remarks of inspecting officers on PMCP compliance		Only Plantation was proposed under progressive Mine Closure plan. Accordingly lessee has	

	and progressive closure operations etc.		planted 340 sapling in the year 2023-24 and total saplings planted so far is 4169. Carried out environmental monitoring for Air, Water etc. and results are within the permissible limits.	
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Mineral Conservation:-				
Sl.N o.	Item	Proposals	Actual Work	Remarks
7a	ROM mineral dispatch or gradewise sorting within lease area	Proposed dispatch of Cement grade ROM to Captive Cement Plant.	Lessee is dispatching Cement grade ROM to Captive plant as proposed.	Lessee is not doing any processing at mine site.
7b	Method of gradewise mineral sorting i.e. manual or mechanical	None.	None.	Sending ROM to Crusher which is existing near the plant area. From crusher point feeding to Captive Cement plant.
7c	Different grade of mineral sorted out at mines	Cement Grade.	Cement Grade.	
7d	Any beneficiation process at mines	None.	None.	
7e	General remarks of inspecting		Lessee is not doing any mineral processing at	

	officers on mineral conservation and beneficiation issues.		the mine site at present and Dispatching ROM Crusher which is existing near the plant area. After crushing feeding to Captive Cement plant linked with the mine.	
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Environment:-

Sl.No	Item	Proposals	Actual Work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	None in the year 2023-24.	None in the year 2023-24.	No topsoil is existing in the area proposed for production and development in the year 2023-24, so no topsoil is removed in the present plan period.
8b	Concurrent use or storage of topsoil	Not applicable.	Not applicable.	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	None.	None.	
8d	Use of overburden, waste	None.	None.	

	rock, rejects and fines dumps for restoring the land to its original use			
8e	Phased restoration, reclamation and rehabilitation of land affected by mining operations (pits, dumps etc.)	None.	None.	
8f	Baseline information on existence of plantation and additional plantation done (Rule 41)	Baseline information was furnished in the mining plan. Additional plantation proposals are being given in the Mining Plan documents.	Additionally lessee has planted about 4169 saplings so far within the lease area.	
8g	Survival rate	None.	75 to 80%	
8h	Water sprinkling on roads to control airborne dust	Yes proposed.	Regularly spraying water on the working benches, Haul road etc.	One water tanker of 12000 ltr capacity is in use for dust suppression.

8i	General remarks of inspecting officers on aesthetic beauty in and around mine areas.		One pit is existing within the lease area. The benches are maintained systematically. Plantation was made in the 7.5mtr safety zone.	
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Compliance of Rule 45 :

Sl.N o.	Item	Proposals	Actual Work	Remarks
9a	Status of submission of monthly and annual returns	A monthly return shall be submitted before the tenth day of every month in respect of the preceding month and an annual return shall be submitted before the 1st day of July each year for the preceding financial year.	Submitting Monthly and Annual returns within the time limit.	Submitted Annual returns for the year 2023-24 on 28-06-2024.
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	As per the Annual returns submitted for the year 2023-24, details are as follows, Mining Engineer:- P.Kumar, Geologist:- Manoj Kumar, Mines Manager:-G.S.Subba Rao.	Mining Engineer: G.Ganesh, B.Teh Mining, Geologist:- Mr.Manoj kuamr, Msc Geology, Mines Manager:-G.S.Subba Rao.	The details furnished in the Annual Returns are found correct. However, recently Lessee has appointed G. Ganesh as a Mining Engineer and sent notice of appointment to this office.

9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under Mining 11.83Ha, Infrastructure:- 1.026Ha, Green belt:- 4.27Ha.	Area under pits is 12.90Ha, Infrastructure (Road and buildings):- 3.42Ha, and area covered under plantation within the lease area is 0.68Ha.	The land use details furnished are not matching with the drone data submitted to this office for the year 2023-24, so Show cause notice is issued for the same under Rule 45(7) of MCDR 2017.
9d	Scrutiny of Annual return on afforestation	340 saplings in the year 2023-24 with survival rate of 70%.	The information furnished in the Annual returns submitted for the year 2023-24 is found correct.	
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	None in the year 2023-24.	None in the year 2023-24.	Entire ROM is dispatched to Captive plant under cement grade.
9f	Scrutiny of Annual return on ROM stock and/or graded ore	ROM: Opening and closing stock:- Nil, Production:-999000 tonnes. Grade wise: Cement Grade:- Opening and closing stock:-Nil, Production and dispatch:- 999000 tonnes	The details furnished in the AR submitted for the year 2023-24 is found correct.	Entire ROM produced is dispatched to captive plant under cement grade.

9g	Scrutiny of Annual return on Sale value, Ex Mine price and production cost	Sale value, cost of production and Ex-mine price is shown as Rs 154/ton.	The information furnished in the Annual returns submitted for the year 2023-24 is found correct.	Since the mine is captive cost of production and Ex-mine price is same. And as per the instruction given by HQ, Sale value is given by multiplying quantity dispatched and cost of production.
9h	Scrutiny of Annual return on fixed assets	Value of fixed assets was mentioned as ₹ 6316103 in the year 2023-24.	At Part II A, under capital structure figures are given same for all the three leases of the M/s. NCL Industries Ltd. In case information is furnished combinedly, in that case for other leases only mine codes of the leases for which information is furnished combined to be given. Further, no industries, residential buildings are observed in the lease area however, value for the same are mentioned in the Annual returns submitted for the year 2023-24. Further, value	Show cause notice was issued for the same under Rule 45(7) of MCDR 2017.

			of land which is mentioned as Rs 18849 appears incorrect.	
9k	Scrutiny of Annual return on mining machineries	Shovel 2.5 cum - 01. Shovel-1.0 cum-01, Tippers of 17cum-10, Drilling machine of 115mm-01.	The details furnished in the AR submitted for the year 2023-24 is found correct.	

Details of violations observed during current inspection and compliance position of violation pointed out

Violation observed			Show cause position		
Rule No.	Issued on	Compliance position	Rule No.	Issued on	Compliance position
11(1), 12(4B)	24-09-2024		45(7)	24-09-2024	

Date:-

(KALMATA.M.K)

Indian Bureau of Mines