

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

**MCDR inspection REPORT**

**Bangalore regional office**

**Mine file No :** KNT/GLB/LST-47/BNG

**Mine code :** 38KAR10013

- (i) Name of the Inspecting : **S011** ) **K.SRINIVAS**  
Officer and ID No.
- (ii) Designation : Junior Mining Geologist
- (iii) Accompanying mine : Sri Ashok Kumar Joshi, Mines Manager and others.  
Official with  
Designation
- (iv) Date of Inspection : 25/02/2022
- (v) Prev.inspection date :

**PART-I : GENERAL INFORMATION**

1. (a) **Mine Name** : **CHITTAPUR**
- (b) **Registration NO.** : **IBM/378/2011**
- (c) Category : A Mechanised
- (d) Type of Working : Opencast
- (e) Postal address  
State : KARNATAKA  
District : GULBARGA  
Village : CHITTAPUR  
Taluka : CHITTAPUR  
Post office :  
Pin Code :  
FAX No. : 022-66306510  
E-mail : amitkumar.roy@lafarge.com  
Phone : 022-67692595
- (f) Police Station : WADI
- (g) First opening date : 03/10/2016
- (h) Weekly day of rest : SUN
2. Address for : NUVOCO VISTAS CORPORATION LTD  
correspondance : RVR TOWERS, HNO 6-3-1089/F,LEVEL 4,  
RAJBHAVAN RD, SOMAJIGUDA HYDERBAD - 500082
3. (a) Lease Number : KAR1615  
(b) Lease area : 796.43  
(c) Period of lease : 20  
(d) Date of Expiry : 17/11/2028
4. Mineral worked : LIMESTONE Main

## 5. Name and Address of the

Lessee : NUVOCO VISTAS CORPORATION LTD  
 RVR TOWERS, HNO 6-3-1089/F,  
 LEVEL 4, RAJBHAVAN RD,  
 SOMAJIGUDA HYDERBAD  
 HYDERABAD TELANGANA  
 Phone:  
 FAX :

## Geologist

Name : ALOK DWIVEDI, Full Time  
 Qualification : M.TECH (APPLIED GEOLOGY)  
 Appointment/ :  
 Termination date

## Manager

Name : G NARASIMHAM  
 Qualification : DIPLOMA IN MINING ENGINEERING  
 Appointment/ : 18/07/2016  
 Termination date

6. Date of approval of Mining	:	Fresh under rule 22 MCR1960	23/03/2000
Plan/Scheme of Mining	:	Modif.of approved Mining Plan	24/10/2000
	:	MP review under 17(1) MCR 2016	19/04/2018

## PART - II : OBSERVATION/COMMENTS OF INSPECTING OFFICERS

## Exploration :

Sl.No.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	Nil	Nil	-
1b	Exploration over lease area for geological axis 1 or 2	24 boreholes of total Meterage 960 Mts proposed for the year 2020-21.	No exploration has been carried out	The violation has been issued.
1c	Exploration Agencies and Expenditure in lakh rupees during the year	Not specified	nil	-
1d	Balance area to be explored to bring Geological axis in 1 or 2	Not specified	G2- 610.22ha G3-186.18ha	Exploration not carried out due to Covid19.
1e	Balance reserve as on 01/04/20	-	-	Reserves 221 Million tonnes (122) as on 1.4.2021 as per the annual Return 2020-21. Grade- above 35%CaO
1f	General remarks of inspecting officers on geology, exploration etc	-	-	The proposed exploration work has not been carried out for the year 2020-21. The violation has been issued.

## Development :

Sl.No.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t.lease area	Western part of the ML area.	Western part of the ML area Developed	-
2b	Separate benches in topsoil, overburden and minerals (Rule 15)	Top Soil one Bench And Mineral one Bench proposed	Top Soil one bench and Mineral one Bench maintained	-
2c	Stripping ratio or ore to OB ratio	1 : 0.47 (in tones)	1: 0.43 (in tones)	Ore :22000t Waste :9588t

2d	Quantity of topsoil generation in m3	1650 m3	1498 cu.m	2397t top soil generation
2e	Quantity of overburden generation in m3	3100 m3	2876 cu.m	7191t of waste generation.
2f	General remarks of inspecting officers on development of pit w.r.t. type of deposit etc	-	-	The development has been carried out almost as per the proposals.

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### Exploitation:

Sl.No.	Item	Propasals	Actual work	Remarks
3a	Number of pit proposed for production	One	One	-
3b	Quantity of ROM mineral production proposed	22000 MT	22000 MT	-
3c	Recovery of sailable/usable mineral from ROM production	100%	100%	-
3d	Quantity of mineral reject generation	No proposal	nil	-
3e	Grade of mineral rejects generation and threshold value declared.	No proposal	nil	-
3f	Quantity of sub grade mineral generation.	No proposal	nil	-
3g	Grade of sub grade mineral generation	No proposal	nil	-
3h	Manual / Mechanised method adopted for segregating from ROM	No proposal	nil	-

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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 and blasting proposed.	Deep hole drilling and blasting carried out.	Drills of 102mm dia. Blasting carried out using slurry explosive in conjunction with delay electric detonators.
3k	Provision of mining machineries in mineral benches	Excavator and Tipper combination proposed	HydraulicExcavator -1 Drill-1 Tipper -1 Water Tanker-1	-
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Height of benches in OB - 1 to 3m. Height of benches in Mineral - 1 to 6m	Height of bench in OB- 1.5m' Height of bench in Mineral-4.5m	Height of bench in OB and mineral maintained within the specified limits.
3m	Total area covered under excavation/pits	9.88 ha at the end of the plan period(2022-23)	4.599ha	As per the Annual Return 2020-21
3n	Ore to OB ratio for the pit/mine during the year.	1 : 0.47 (in tones)	1: 0.43 (in tones)	Ore :22000t Waste :9588t
3o	Total area put in use under different heads at the end of year	Area under Mining -9.88ha Waste dump - 1.5ha Top soil - 1.69ha Infrastructure &Roads-3.25ha Mineral storage - 1.30ha Garland drain/Green belt - 6ha at the end of the plan period(2022-23)	Area under Mining -4.599ha Waste dump -0.764ha Infrastructure&Roads- 1.75ha Other(Mineral storage,Garland drain/Green belt, Top soil dump etc. - 3.447ha	-

3p	Production of ROM mineral during the last five year period as applicable	2016-17 :Nil 2017-18 : 2,00,000 2018-19 : 22000 2019-20 : 22000 2020-21: 22000  ( in tonnes)	2016-17 :Nil 2017-18: 3600 2018-19 :22002 2019-20 :22008 2020-21: 22000  ( in tonnes)	Date of opening of mine - 3rd October,2016.
3q	General remarks of inspecting officers on method of mining etc.	-	-	The production has been carried out as per the approved proposals.

## Solid Waste Management - Dumping:

Sl.No.	Item	Propasals	Actual work	Remarks
4a	Separate dumping of topsoil, OB and mineral rejects (Rule 32,33)	Separate dumping of Overburden &Top Soil proposed.	Separate dumping of Overburden &Top Soil maintained.	-
4b	Location of topsoil, OB and mineral reject dumps	Top soil dump- E714908to 715049 N- 1889387to1889440 OB dump- E714864to 714975 N- 1889173to1889222	The dumping of waste and top soil carried out in the proposed area.	-
4c	Number of dumps within lease area and outside of lease area	3dumps (2 top soil dumps and 1 OB dump) within the mining lease.	3dumps (2 top soil dumps and 1 OB dump) within the mining lease.	All the dumps within the lease area.
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	Dumps proposed within the UPL	All the dumps within the UPL	-

4e	Number of active and alive dumps.	3dumps (2 top soil dumps and 1 OB dump) within the mining lease.	3dumps (2 top soil dumps and 1 OB dump) within the mining lease.	-
4f	Number of dead dumps.	No proposal	nil	-
4g	Number of dumps established.	No proposal	nil	-
4h	Whether Retaining wall or garland drain all along dumps are there.	No proposal	nil	-
4i	Length of Retaining wall or garland drain all along dumps	No proposal	nil	-
4j	Number of settling ponds	No proposal	nil	-
4k	Specific comments of inspecting officer on waste dump management	-	-	The dumping of top soil and waste has been carried out as per the proposals.

#### 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 proposals	nil	-
5b	Area under backfilling of mined out area	No proposals	nil	-
5c	Concurrent use of topsoil for restoration or rehabilitation of mineral out area (Rule 32)	No proposals	nil	-
5d	Total area fully reclaimed and rehabilitated	No proposals	nil	-

5e	General remarks of inspecting officers on backfilling and reclamation etc.	-	-	No specific comments.
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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 the annual report on PMCP under Rule26(2)	Annual PMCP Report for the year 2020-21 submitted	-
6b	Area available for rehabilitation (ha) .	No proposal	nil	Mine is Opened on 3rd Oct 2016. No Area proposed.
6c	afforestation done (ha).	0.50ha	0.08	-
6d	No. of saplings planted during the year	700 saplings proposed	177 saplings within lease area and 200saplings planted outside Mine lease area.	As reported in AR 2020-21 Violation issued for less plantation
6e	Cumulative no .of plants	3805 no. of plants(Safety zone & Area within ML area)	3387 no. of plants(Safety zone & Area within ML area)	-
6f	Any other method of rehabilitation	No proposal	nil	-
6g	Cost incurred on watch and care during the year	No proposal	nil	-
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)	Environment monitoring proposed for Air, Water, Dust, Ground water & Noise.	Environment monitoring carried out for Air, Water, Dust, Ground water & Noise	All the environmental parameters within limit.

6q	General remarks of inspecting officers on PMCP compliance and progressive closure operations etc.	-	-	The PMCP proposals have been implemented in the mine as per the proposed. The violation has been issued for less afforestation than the proposed.
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Mineral Conservation:

Sl.No.	Item	Propasals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	No proposal	nil	The captive cement plant has not yet been erected. The ROM is stacking in the earmarked place within the lease.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical.	No proposal	nil	-
7c	Different grade of mineral sorted out at mines.	No proposal	nil	-
7d	Any beneficiation process at mines	No proposal	nil	-
7e	General remarks of inspecting officer on Mineral conservation and beneficiation issues	-	-	No specific comments.

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Environment:

Sl.No.	Item	Propasals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Top soil storage proposed.	Top soil dumping carried out as proposed.	-
8b	Concurrent use or storage of topsoil	Top soil storage proposed.	1498 cu.m top sail generated and stored.	-

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8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	Separate dumping proposed for waste.	Separate waste dump maintained.	No generation of fines and rejects.
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)	3805 no. of plants(Safety zone & Area within ML area)	3387 no. of plants(Safety zone & Area within ML area)	-
8g	Survival rate	95%	95%	-
8h	Water sprinkling on roads to control airborne dust	Water sprinkling on haul roads proposed to control airborne dust.	Water sprinkling carried out to control the airborne dust on haul roads and screening plant.	A water tanker of 3000 liters capacity used for water sprinkling.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	-	-	There is no change in aesthetic beauty in and around mines area.

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Compliance of Rule 45:

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Sl.No.	Item	Propasals	Actual work	Remarks
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9a	Status of submission of Monthly and Annual returns	Monthly Returns submitted up to January 2022 on 07.02.2022. Annual Return submitted for the year 2020-2021 on 25.06.2021.	-	-
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Sri Alok Dwivedi, Geologist Sri Vijay Kumar, Mining Engineer Sri Narasimham G, Manager	Appears to be correct.	-
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Area under Mining - 4.599ha Waste dump - 0.764ha Infrastructure & Roads - 1.75ha Other (Mineral storage, Garland drain/Green belt, Top soil dump etc.) - 3.447ha.	Appears to be correct.	-
9d	Scrutiny of Annual return on afforestation	177 saplings within lease area.	The plantation has not been carried out as proposed as 700 saplings.	Violation issued.
9e	Scrutiny of Annual return on mineral reject generation (Grade and quantity)	Nil	Appears to be correct.	-
9f	Scrutiny of Annual return on ROM stock and/or graded ore	O/S - Nil Production - 22000t C/S - Nil	Appears to be correct.	-
9g	Scrutiny of Annual return on sale value, Ex. Mine price and production cost	Cost of production - Rs480.50/tonne . Ex-price mine - Rs331/tonne	In case of captive mine, the Ex-mine price per tone is per unit cost of production.	Violation issued.

9h	Scrutiny of Annual return on fixed assets	Fixed Assets- Rs 0/-	The fixed assets not furnished correctly.	The violation issued.
9k	Scrutiny of Annual return on mining machineries	HydraulicExcavator -1 Drill-1 Tipper -1 Water Tanker-1	Appears to be correct.	-

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**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)	09/03/2022	01/06/2022	MCDR17	Rule 45(7)	09/03/2022	01/06/2022
MCDR17	Rule 45(7)(a)	09/03/2022	01/06/2022				

**Date :**

**(K.SRINIVAS)**

Indian Bureau of Mines