

**MCDR INSPECTION REPORT (2023-24)****File no: MCDR-MiFLOLST/11/2023-BNG-IBM\_RO\_BNG.**

S. N.	Particulars	Details
1	Name of the Mine	Chittapur Limestone Mine (ML No 2588)
2	Total Lease Area (Ha) with breakup of non-forest and forest land	796.43 Ha. Non-Forest Land: 796.43 Ha Forest Land: Nil
3	Mine code	38KAR10013
4	IBM Registration Number under rule 45 of MCDR, 1988	IBM/378/2011
5	Name of the lessee, Address, phone, email and fax number	M/s Nuvoco Vistas Corporation Limited Equinox Business Park, Tower -3, East Wing,4th Floor, Office Bandra-Kurla Complex, LBS Road, Kurla- West, MUMBAI-70, Maharashtra. Phone No- 022-66306511, Fax No- 022-66306510,
6	Village	Ravoor
7	Taluk/Mandal	Chittapur
8	District	Kalaburagi
9	Pin-code	508255
10	State	Karnataka
11	Post office	Ravoor
12	Nearest police station	Wadi/Chittapur
13	Nearest Railway station	Wadi Jn.
14	Date of Grant of Mining Lease	18.11.2008
15	Date of Execution	18.11.2008
16	Date of expiry	17.11.2058(50 years)
17	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. Jayakumar Krishnaswamy Nominated Owner M/s Nuvoco Vistas Corporation Limited Equinox Business Park, Tower -3, East Wing,4th Floor, Office Bandra-Kurla Complex, LBS Road, Kurla- West, MUMBAI- 70, Maharashtra. Phone No- 022-66306511, Fax No- 022-66306510, Date of appointment: 01.11.2018
18	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. Sanjay Joshi Chief Projects & Manufacturing Officer, M/s Nuvoco Vistas Corporation Limited Equinox Buisness Park, Tower -3, East Wing,4th Floor, Office Bandra-Kurla Complex, LBS Road, Kurla- West, MUMBAI- 400070, Maharashtra. Phone No- 022-66306511,

		Fax No- 022-66306510, E-mail: sanjay.joshi@nuvoco.com Date of appointment: 01.11.2022
19	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Shiojee Roy B.E. Mining with First Class Manager's Certificate of Competency, Chittapur Limestone Mine M/s Nuvoco Vistas Corporation Limited Village & Post - Ravoor, PIN-585225, District – Gulbarga (Karnataka), Mobile – 7899689405 E-mail: <a href="mailto:shiojee.roy@nuvoco.com">shiojee.roy@nuvoco.com</a> Date of appointment: 10.04.2023
20	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. Tejnath K B Mining Engineer, B. E.- Mining with Second Class Manager's Certificate Chittapur Limestone Mine M/s Nuvoco Vistas Corporation Limited Village & Post - Ravoor, PIN-585225 District – Gulbarga (Karnataka) Mobile – 9482664224 E-mail- <a href="mailto:tejanath.k.b@nuvoco.com">tejanath.k.b@nuvoco.com</a> Date of Appointment: 03.11.2022
21	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Sri Nagur Meera Saheb Sheik, Geologist M.Sc. (Geology), Chittapur Limestone Mine M/s Nuvoco Vistas Corporation Limited Village & Post - Ravoor, PIN-585225 District – Gulbarga (Karnataka) Mobile: +91 9492945580, Email: <a href="mailto:nagurmeer.asaheb@nuvoco.com">nagurmeer.asaheb@nuvoco.com</a> Date of Appointment: 03.08.2023,
22	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	Approval of Review & Updation of Mining plan vide Letter. No: 279/659/99/BNG, dtd:14.07.2023 for the period (2023-24 to 2027-28)
23	Mineral(s) granted in lease and proved for mining	Limestone
24	Method of Mining (Opencast, Underground)	Opencast Mining
25	Category (Fully Mechanized, Others or Manual)	A-Fully Mechanized
26	Captive/ Non captive	Captive
27	Date of inspection	12.07.2024
28	Name of accompanying mine officials with designation	Shri. Shiojee Roy, Mine Manager, Shri Nagur Meera Saheb Sheik, Geologist, Shri Tejnath K B, Mining Engineer and other

	mine officials
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## Exploration

S.N.	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No proposal	Nil	Nil
1b	Exploration over lease area for Geological axis 1 or 2.	Total 36 Nos. of exploratory bore Holes were proposed with 1200m for the year 2023-24.	It is observed that against the proposed exploratory drilling of 36 boreholes with total of 1200 metres, only 18 exploratory boreholes drilling with total of 1178 metres were carried out for the year 2023-24.	Violation issued under Rule 11(1) of MCDR 2017.
1c	Exploration Agency & Expenditure in lakh Rupees during the year	Not mentioned.	M/s Ecomen, 34.95 Lakhs	As reported by Lessee during inspection.
1d	Balance area to be explored to bring Geological axis in 1 or 2	G1: 375.00 Ha. G2: 235.00 Ha. G3: 186.43 Ha.	G1: 375.00 Ha. G2: 235.00 Ha. G3: 186.43 Ha.	Entire area mineralized.
1e	Balance reserves as on 01.04.2024	481,230,315 tons of limestone as on 01.04.2023(Grade- 46.60% CaO)	481,208,315 tons of limestone as on 01.04.2024	As reported in AR 2023-24 after depletion.
1f	General remarks of inspecting officer on geology, exploration etc.	<p>i) Reserve/Resource reported correctly in AR 2023-24 after depletion as per the last approved RMP document dtd 14/07/2023.</p> <p>ii) It is observed that against the proposed exploratory drilling of 36 boreholes with total of 1200 metres, only 18 exploratory boreholes drilling with total of 1178 metres were carried out for the year 2023-24. Violation issued under rule 11(1) of MCDR 2017.</p> <p>iii) It is observed during inspection that the details of 18 exploratory boreholes drilled during the year 2023-24 have not been updated in the Geological plan &amp; sections, and submitted to this office as per the provision of this rule. Violation issued under</p>		

		<p>Rule 33 of MCDDR 2017.</p> <p>iv) The record of the 18 nos. of exploratory boreholes drilled during the year 2023-24 were not found maintained in 'Form-J' with depth wise Lithology, chemical analysis &amp; other details as per provision of this rule. Violation issued under Rule 48 of MCDDR 2017.</p>
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## Development

S.N.	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area	Development proposed between Section P1-P1' to P2-P2'.	It is observed during inspection and analysis of drone data submitted for the year 2023-24 that the horizontal development of Pit-1 beyond Section P1-P1' at South western portion (N-1889176, E-715091) is lagging and have not been carried as per the proposed horizontal extent for the year 2023-24.	Violation issued under Rule 11(1) of MCDR 2017
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	For top soil/OB - 1 bench For Mineral: 1 bench. Proposed bench height for Mineral-6 Meters.	Separate benches for OB & mineral maintained. Bench height in mineral-6m.	Nil
2c	Stripping ratio or ore to OB ratio	1:0 (in tons) Proposed ore- 22000 tons Proposed OB- Nil.	1:0 (in tons) Achieved ore production - 22000 tons Achieved OB-	No OB proposal.

			Nil.	
2d	Quantity of topsoil generation in m3	No Topsoil generation proposal	Nil	Nil
2e	Quantity of overburden generation in m3	No Overburden generation proposal	Nil	Nil
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	<p>i) It is observed during inspection and analysis of drone data submitted for the year 2023-24 that the horizontal development of Pit-1 beyond Section P1-P1' at South western portion (N-1889176, E-715091) is lagging and have not been carried as per the proposed horizontal extent for the year 2023-24. Violation issued under Rule 11(1) of MCDR 2017.</p> <p>ii) The mining plan dated 14/07/2023 is approved with Special conditions B.3., which states, ' The Approval of Review and Updation of Mining Plan along with Progressive Mine Closure Plan is accorded in reference to the Proceedings of the meeting held on 15/03/2023 under the chairmanship of Secretary to the Government of Karnataka, Commerce &amp; Industries Department (MSME &amp; MINES) and further, based on the proceedings, the process of demarcation in the field by Department of Mines and Geology, Karnataka as per DGPS Lease sketch signed by Revenue Department is initiated. If there are any changes in the aforesaid Mining Lease sketch or boundary pillar co-ordinates during demarcation, the documents should be modified accordingly.''. It has been observed during inspection and subsequent analysis of submitted drone data for the year 2023-24 that there are changes in the boundary pillar Co-ordinates of BP-1 to 13, BP-26 to 28, BP-34, BP-38 to 41 , BP-44, BP-47, BP-54 to 56, BP-60, BP-69 to 70, BP-74, BP-76 to 79 &amp; BP-84 to 99 as per the final DGPS sketch approved by State Govt. dated 11.03.2024 along with the Supplementary Mine Lease deed of 11.03.2024. However, the document has not been modified as per the above mining plan condition. Violation issued under Rule 11(1) of MCDR 2017.</p>		

#### Exploitation

S.N.	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for	One pit Proposed (Pit-1)	Actual working carried out in one	Nil

	production		pit (Pit-1).	
3b	Quantity of ROM mineral production proposed	22000 tons ROM production proposed	22000 tons ROM production achieved	As reported by Lessee in AR 2023-24.
3c	Recovery of salable/usable mineral from ROM production	100 % proposed	100% achieved	Nil
3d	Quantity of mineral reject generation	No Proposal	Nil	Nil
3e	Grade of mineral reject generation and threshold value declared	No Proposal	Nil	Nil
3f	Quantity of sub-grade mineral generation	No Proposal	Nil	Nil
3g	Grade of sub-grade mineral generation	No Proposal	Nil	Nil
3h	Manual / Mechanised method adopted for segregating from ROM	Dry Crushing proposed with capacity of 800 tph, Feed Size: -700mm & Product Size: -75mm	Presently only Rock Breaker utilized for sizing of ROM.	As reported by Lessee during inspection.
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No beneficiation proposal	Nil	Nil
3j	Provision of drilling & blasting in mineral benches	Drilling & Blasting proposed.	No Drilling and Blasting carried out during year 2023-24	As reported by Lessee during inspection.
3k	Provision of mining machineries in mineral benches	Mining Machineries proposed.	Excavator: 1.5 Cum: 1 Nos. Tipper: 1 No. Water Tanker: 3KL- 1no.	As reported by Lessee in AR 2023-24.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Proposed bench height in mineral 6m for year 2023-24.	Bench height maintained in mineral.	Nil
3m	Total area covered under excavation/pits	2.88 ha as on 31.03.2024 as per the approved document.	2.73 ha	As reported by Lessee in AR 2023-2024.
3n	Ore to OB ratio for the pit/mine during the year	1:0 (in tons) Proposed ore-	1:0 (in tons) Achieved ore	No OB proposal.

		22000 tons Proposed OB- Nil.	production - 22000 tons Achieved OB- Nil.	
3o	Total area put in use under different heads at the end of year (in ha)	Area under Mining: 2.88 ha Overburden/Waste Dumping: 0.40 ha Infrastructure and Roads: 1.00 ha (proposed as on 31.03.2024) as per the approved document.	Area under Mining: 2.73 Overburden/Waste Dumping: 0.40 ha Infrastructure and Roads: 1.00	As reported by Lessee in AR 2023-2024.
3p	Production of ROM mineral during last five-year period, as applicable	2019-20: 22,000 2020-21: 22,000 2021-22: 22,000 2022-23: 22,000 2023-24: 22,000 (in tonnes)	2019-20: 22,000 2020-21: 22,000 2021-22: 22,000 2022-23: 22,000 2023-24: 22,000 (in tonnes)	As reported by Lessee in AR 2023-2024.
3q	General remarks of inspecting officer on method of mining etc.	<p>i) It is observed during inspection from the submitted drone data for the year 2023-24 and surface plan updated as on 31.03.2024 that there are difference/error in elevation(mRL) in the maintained surface plan. The drone data indicates bottom mRL of Southern portion Pit-1 as 414 mRL (N-1889177, E-715099 to N-1889175, E715199) whereas in the updated surface plan as on 31.03.2024, the same is mentioned as 420 mRL. Similarly for top bench at Western side of Pit-1(N-1889223, E-715065) drone data indicates 422 mRL whereas in surface plan it is mentioned 426 mRL, bottom mRL in northern portion of Pit-1 as per drone data is 413 mRL (N-1889221, E-715112 to 1889219, E-715166) whereas in surface plan it is indicated as 420 mRL. Violation issued under Rule 31(4) of MCDR 2017.</p> <p>ii) Also, it is observed during inspection and analysis of drone data submitted for the year 2023-24 that the horizontal development of Pit-1 beyond Section P1-P1' at South western portion (N-1889176, E-715091) is lagging and have not been carried as per the proposed horizontal extent for the year 2023-24. Violation issued under Rule 11(1) of MCDR 2017.</p>		

#### Solid Waste Management-Dumping

S.N.	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil,	No waste/OB	No waste/OB	Nil

	OB & mineral reject (Rule 32, 33)	dumping proposal for year 2023-24	generation during year 2023-24	
4b	Location of topsoil, OB & mineral reject dumps	No waste dumping proposal for year 2023-24	No waste/OB generation during year 2023-24	Nil
4c	Number of dumps within lease area and outside lease area	2 waste dumps within lease having id Waste & TS-stock as per the approved document.	2 waste dumps within lease having id Waste & TS-stock as per the approved document.	Nil
4d	Location of dumps w.r.t. ultimate pit limit (Rule 16)	All dumps are within UPL	All dumps are within UPL	Entire area mineralized.
4e	Number of active & alive dumps	2 active waste dumps within lease having id Waste & TS-stock as per the approved document.	2 active waste dumps within lease having id Waste & TS-stock as per the approved document.	Nil
4f	Number of dead dumps	Nil	Nil	Nil
4g	Number of dumps stabilized	No proposal	Nil	Nil
4h	Whether Retaining wall or garland drain all along dumps are there	No proposal	Nil	Nil
4i	Length of Retaining wall or garland drain all along dump	No proposal	Nil	Nil
4j	Number of settling ponds	No proposal	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management.	No Waste/OB generation and dumping proposal for the year 2023-24 as per the approved document.		

#### Solid Waste Management-Backfilling

S.N.	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No Proposal	Nil	Nil
5b	Area under backfilling of mined out area	No Proposal	Nil	Nil
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	No Proposal	Nil	Nil
5d	Total area fully reclaimed & rehabilitated	No Proposal	Nil	Nil
5e	General remarks of	No backfilling proposals as mineral not exhausted.		



inspecting officer on backfilling, reclamation etc	
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## Progressive Mine Closure Plan

S.N.	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23E (2). Details should be given in the format as given in Annexure-20.	To be submitted before 1 <sup>st</sup> of July every year.	Annual PMCP report submitted by the Lessee along with AR 2023-24 on 27/06/2024	Nil
6b	Area available for rehabilitation (ha)	0.25 ha proposed for afforestation near seasonal nallah.	Afforestation carried out at earmarked location as per the proposal	Nil
6c	Afforestation done (ha)	0.25 ha proposed for afforestation near seasonal nallah.	Afforestation carried out at earmarked location as per the proposal	Nil
6d	No. of saplings planted during the year	700 Nos. saplings plantation proposed	706 Nos. saplings planted	As reported by Lessee in AR 2023-24.
6e	Cumulative no. of plants	3908 nos. as per the last approved document.	5362 nos. plants cumulative as on 01.04.2024.	As reported by Lessee in AR 2023-24.
6f	Any other specific method of rehabilitation	No proposal	Nil	Nil
6g	Cost incurred on watch & care during the year	Rs. 50,000/- proposed for afforestation	As per proposal.	Nil
6h	Compliance on reclamation and rehabilitation by backfilling (i) Voids available for backfilling (L x B x D)	No proposal	Nil	Nil
6i	Compliance on reclamation and rehabilitation by backfilling (ii) Void filled by waste/tailings	No proposal	Nil	Nil
6j	Compliance on reclamation and rehabilitation by backfilling (iii) Afforestation on the backfilled area	No proposal	Nil	Nil
6k	Compliance on reclamation and rehabilitation by	No proposal	Nil	Nil

	backfilling (iv) Rehabilitation by making water reservoir			
6l	Compliance on reclamation and rehabilitation by backfilling (v) Any other specific means	No proposal	Nil	Nil
6m	Compliance of Rehabilitation of waste land within lease (i) Afforestation	No proposal	Nil	Nil
6n	Compliance of Rehabilitation of waste land within lease (ii) Area rehabilitated (ha)	No proposal	Nil	Nil
6o	Compliance of Rehabilitation of waste land within lease (iii) Method of rehabilitation	No proposal	Nil	Nil
6p	Compliance of Environmental monitoring (core zone & buffer zone)	Environment Monitoring proposed in both Core and Buffer zone	The Environment Monitoring in Core and Buffer zone for air, water, noise & soil carried out. Mar-24 monitoring report checked during inspection. Parameters within limit.	Nil.
6q	General remarks of inspecting officer on PMCP compliance & progressive closure operations	i) Annual PMCP report for the year 2023-24 submitted within timeline. ii) PMCP proposals related to afforestation, Environmental monitoring etc. carried out inside the mine as per the proposal.		

#### Mineral Conservation

S.N.	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	22,000 Tons ROM production proposed Dry crushing is proposed to reduce size with capacity of 800 tph, Feed Size: - 700mm & Product Size: -	22,000 tons ROM production achieved. Presently only Rock Breaker utilized for sizing of ROM.	No sorting of mineral proposed. Only size reduction.

		75mm		
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Cement Grade limestone proposed for year 2023-24.	Cement Grade limestone Production- 22,000 tons & Dispatch- 10,960 Tons.	As reported by Lessee in AR 2023-24.
7c	Different grade of mineral sorted out at mines	Cement Grade limestone proposed for year 2023-24.	Cement Grade limestone Production- 22,000 tons & Dispatch- 10,960 Tons.	As reported by Lessee in AR 2023-24.
7d	Any beneficiation process at mines	No Proposal	Nil	Nil
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	The mineral conservation activities carried out inside mine as per proposal.		

#### Environment

S. N	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	No topsoil generation proposal for year 2023-24.	No topsoil generated during year 2023-24.	Nil
8b	Concurrent use or storage of topsoil	No topsoil generation proposal for year 2023-24.	No topsoil generated during year 2023-24.	Nil
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 33)	No waste/OB dumping proposal for year 2023-24	No waste/OB generation during year 2023-24	Nil
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	No proposal	Nil	Nil

8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	No proposal	Nil	Nil
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	3908 nos. as per the last approved document.	5362 nos. plants cumulative as on 01.04.2024.	As reported by Lessee in AR 2023-24.
8g	Survival rate	90% proposed	95% achieved	As reported by Lessee in AR 2023-24.
8h	Water sprinkling on roads to control airborne dust	Dust suppression using water sprinkler proposed.	One no. of water tanker with capacity 3 KL engaged for water spraying to control airborne dust in mine.	3 KL water sprinkler- -1 no. As reported by the Lessee in AR 2023-24.
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	The aesthetic beauty in and around the mines looks good.		
Compliance of Rule 45				
S. N.	Item	COMMENTS		Remarks
9a	Status of submission of Monthly and Annual returns	M.R. Submitted up to June-2024 on 04.07.2024 ***** A.R. Submitted up to 2023-24 on 27.06.2024		Submitted within timeline.
S. N.	Item	Details GIVEN in A.R.	Observation of I/Officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining Engineer: Mr. Tejnath K B  Geologist: Mr. Nagur Meera Saheb  Manager: Mr. Shiojee	Appears to be correct	Nil

		Roy		
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Covered under opencast workings: 2.73 Used for waste disposal: 0.40 ha Occupied by plant, buildings, residential: 1.00 ha	Appears to be correct	Nil
9d	Scrutiny of Annual return on afforestation	706 nos. of saplings planted during 2023-24 within ML area with 95 % survival rate	Appears to be correct.	Nil
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Appears to be correct.	Nil
9f	Scrutiny of Annual return on ROM stock and/or graded ore	<b>ROM:</b> O/s -0 ton, Production - 22,000 tons, C/s – 0 ton <b>Graded Ore</b> O/s- 1,13,610 ton Production- 22,000 tons Despatch- 10,960 tons C/s- 1,24,649 ton. (Cement grade Limestone)	Appears to be correct.	Nil
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Cost of production- Rs 585.58 per tonne. Ex mine price- Rs. 585.58 per tonne	Appears to be correct.	The mine is captive.
9i	Scrutiny of Annual return on fixed assets	Rs. 25,27,22,500.	Appears to be correct.	Nil
9k	Scrutiny of Annual	Excavator: 1.5	Appears to be	Nil

	return on mining machineries	Cum: 1 Nos. Tipper: 1 No. Water Tanker: 3KL- 1no.	correct.	
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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
11(1),31(4),33,48	23/07/2024	14/10/2024	-	-	-

**Signed by Sandeep Kumar Singh**

**Date: 04-11-2024 15:18:48**

(संदीप कुमार सिंह. /Sandeep Kumar Singh)

वरिष्ठ सहायक खान नियंत्रक/ Senior Assistant Controller of Mines