

MCDR INSPECTION REPORT

1.0 GENERAL

SN	Particulars	Details
1	Name of inspecting office & designation	Shri Rajesh Kumar Das , Sr. ACoM Indian Bureau of Mines, Raipur
2	Accompanying Mine Official with Designation	Ritesh Kaimal (HOD- Mines)
3	Date of inspection	23.07.2021
4	Name of the Mine	Arasmeta Limestone Mines Lease no 3 (46.292 Hectare)
5	Total Lease Area (Ha) with breakup of Non-forest and forest land	Total Lease area 46.292 Hectare, Non- Forest Land 46.292 Hectare, and Forest Land- Nil
6	Mine Code	38CHG06002
7	IBM Registration Number under rule 45 of MCDR, 1988	IBM/378/2011
8	Name of the lessee, Address, phone, email and fax number	M/s Nuvoco Vistas Corporation Limited (Formerly Lafarge India Limited) Equinox Business Park, Tower 3, East Wing, 4th Floor, LBS Road, Kurla (West), Mumbai – 400 070 Phone: +91 (0) 22-67692500 Fax:+91 (0) 22 – 66306510 Email: jayakumar.krishnaswamy@nuvoco.com
9	Village	Arasmeta
10	Taluka / Mandal / District	Tehsil- Akaltra, District- Janjgir Champa
11	State	Chhattisgarh
12	Post office & PIN	Gopalnagar , 495663
13	Nearest police station	Mulmula
14	Nearest Railway station	Akaltra
15	Date of Grant of Mining Lease	18/06/1997 to 17/06/2017 (20 years)
16	Date of Execution	18/06/1997
17	Date of opening of Mine	19/11/2003
18	Date of first Renewal, if applicable and its period & expiry	18/06/2017 to 17/06/2047 (30 years) As per section 8A of MMDR Amendment Act, 2015, Mining Lease Period has been extended for 50 years. Supplementary lease agreement for extended period has been made on 28/01/2019
19	Date of second Renewal, if applicable and its period & expiry	Not applicable.
20	Date of submission of renewal application if Mining Operations are continuing under deemed extension	Not applicable.
21	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Nominated owner: Mr. Jayakumar Krishnaswamy M/s Nuvoco vistas Corporation limited Equinox Business Park Tower 3, East Wing 4th Floor, off Bandra -Kurla Complex, LBX road , Kurla West

		Mumbai-400070, India .Phone no 022-66306511, email- jayakumar.krishnaswamy@nuvoco.com , Website-www. nuvoco.com, Date of appointment-01/11/2018
22	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. Raghavendra Rao Jahagirdar , Agent & Plant Head Arasmeta Cement Plant of M/s Nuvoco vistas corporation limited P.O-Gopalnagar, Tehsil- Akaltra, District- Janjgir Champa, Chhattisgarh, Phone no- 07817-233234, Fax No -07817-234237,234286 Mail ID- raghavendrarao.jahagirdar@nuvoco.com , Date of appointment- 01/07/2020
23	Name of the Mines Manager with Address, phone, email, fax number and date of appointment in mines	Mr. Bhajan Singh Rawat, Nuvoco Vistas Corp. Ltd. P.O- Gopalnagar 495663, Dist: Janjgir Champa, B.E In Mining with first class manager Certificate of competency, - Email- bhajan.rawat@nuvoco.com Phone no -9893496799. date of appointment in mine-01/03/2021

24	Name of the Mining Engineer, Qualification and total experience with Address, phone, email, fax number and date of appointment in mine	Mr. Bhajan Singh Rawat, Nuvoco Vistas Corp. Ltd. P.O- Gopalnagar 495663, Dist: Janjgir Champa, B.E In Mining with first class manager Certificate of competency, - Email- bhajan.rawat@nuvoco.com Phone no -9893496799. date of appointment in mine- 01/03/2021
25	Whether Geologist and Mining Engineer appointed in mines satisfy the rule 55 & carrying out their duties as per rule 56 & 57.	Recruitment done
26	Date of Approval of Mining Plan/Modified Mining Plan with five-year period and specific condition in approval letter, if any.	Modified Mining plan approved vide letter no. Janjgir/Chup/Khayo/1243/2020 dated 28/10/2020 Proposal Period: 2017-18 to 2021-22
27	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five-year period and specific condition in approval letter, if any.	NA
28	Mineral(s) granted in lease and proved for mining	Limestone
29	Method of Mining(Open cast, Underground)	Open cast
30	Category (Fully Mechanised,	Fully Mechanized

	Others or Manual)	
31	Captive/Non Captive	captive
32	Existing EC Limit and validity	Under Process Limestone 84000.00 Metric Tonnes CTE (Consent to Established) obtained from Chhattisgarh Environment Conservation Board, Raipur vide letter no. 2536/B-190/TS/CECB/2003 Raipur dated 14/07/2003
33	Status of Financial Assurance as per rule 27 of MCDR, 2017	Rs. 4,74,750/- vide BG no. 1637615BG0000640 dated 26/06/2015 Validity: 26/06/2015 to 31/03/2022 Rs. 52,22,250/- vide BG no. 1637617BG0000246 dated 22/03/2017 Validity: 22/03/2017 to 31/03/2022 (Total Amount Rs. 56,97,000/-)

Scientific Mining: Compliance of proposals of approved mining plan/scheme of mining. –

1.0 Exploration

SN	Item	Proposals	Actual work	Remarks
1a	Backlog of previous year	No exploration has been proposed in the approved document during FY 2020-21 period.	Nil	
1b	Exploration over lease area for Geological axis 1 or 2.	-do-	As per the approved document the entire lease area has been explored under G1 level of exploration.	
1c	Exploration Agency & Expenditure in lakh Rupees during the year	NA	NA	
1d	Balance area to be explored to bring Geological axis in 1 or 2	To delineate depth wise 6 nos of bore has been proposed in the approved document during Fy 2021-22 period	As per the approved document the entire lease area has been	

			explored under G1 level of exploration.	
1e	Balance reserves as on 01.04.2021 (in Million Tonnes)	Under (111): 8.80 Million Tonnes Under (121): 0.93Million Tonnes Under (211): 2.30 Million Tonnes Under (221): 2.12 Million Tonnes	Under (111): 8.80 Million Tonnes Under (121): 0.93Million Tonnes Under (211): 2.30 Million Tonnes Under (221): 2.12 Million Tonnes	
1f	General remarks of inspecting officer on geology, exploration etc.	The deposit is broadly flat deposit and broadly lease area explored in G1 category but to delineate ore body depthwise 6 nos more bore holes proposed in 2021-22.		

2.0 Development

SN	Item	Proposals	Actual work	Remarks
2a	Location of development w.r.t. lease area (Range in UTM/Local Coordinate/Plot No./Location)	2020-21: In between coordinates 636866.4 E to 637131.15 E & 2428116.3N to 2427959.21N	No excavation has been done after grant of mining lease due to no environment clearance	
2b	Separate benches in topsoil, overburden and mineral (Rule 13)	Topsoil/OB: 01 no. Ore/Mineral: 01 nos.	NA	
2c	Stripping ratio or ore to OB ratio	1:1.10	NA	
2d	Quantity of topsoil generation in m3	81434.5 CuM	NA	
2e	Quantity of overburden generation in MT	20176.41 MT	NA	
2f	General remarks of inspecting officer on development of pit w.r.t. type of deposit etc.	No production & Development has been done during F.Y. 2020-21 due to no environment clearance.		

3.0 Exploitation

SN	Item	Proposals	Actual work	Remarks
3a	Number of pits proposed for production	01 no.	No excavation has been done after grant of mining lease	

			due to no environment clearance	
3b	Quantity of ROM mineral production proposed	80706 Metric Tonnes	Nil	
3c	Recovery of salable/usable mineral from ROM production	75%	NA	
3d	Quantity of mineral reject generation	No mineral reject will be generated during MMP Period.	Not applicable.	
3e	Grade of mineral reject generation and threshold value declared	Not mentioned in the approved document	Not applicable.	
3f	Quantity of sub-grade mineral generation	0	No excavation has been done after grant of mining lease due to no environment clearance.	
3g	Grade of sub-grade mineral generation	CaO 42.85% ,MgO: 3%, SiO2- 12.46%	NA	
3h	Manual / Mechanised method adopted for segregating from ROM	Mechanized sorting of limestone from shale and soil by machine	NA	
3i	Any analysis or beneficiation study proposed & carried out for sub-grade mineral and reject	No beneficiation study has been proposed in the approved document during MMP period.	NA	
3j	Provision of drilling & blasting in mineral benches	Dia.: 102 mm to 115 mm Spacing: 4 m to 5.0 m Burden: 2.0 m to 3.0 m Depth: 7.0 m	NA	
3k	Provision of mining machineries in mineral benches	1. Hydraulic Excavator 01 no. with	NA	

4.0 Solid Waste Management-Dumping

SN	Item	Proposals	Actual work	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 36, 37)	Proposal for separate dumping of Topsoil, Overburden and Mineral have been given in the approved document	No excavation has been done after grant of mining lease due to no environment clearance.	
4b	Location of topsoil, OB & mineral reject dumps (Range in UTM/Local Coordinate/Plot No./Location)	Coordinates 636866.4 E to 637131.15 E and 2428116.3 N to 2427959.21N	NA	
4c	Number of dumps within lease area and outside lease area	Topsoil: 01 no. Waste: 01 no.	-NA	
4d	Location of dumps w.r.t. ultimate pit limit (Rule 14)	Proposed beyond ultimate pit limit.	NA	
4e	Number of active & alive dumps	03 nos.	NA	
4f	Number of dead dumps	Proposal has not been given in the approved document.	NA	
4g	Number of dumps stabilised	Proposal has not been given in the approved document for dump stabilization.	NA	
4h	Whether Retaining wall or garland drain all along dumps are there	Proposal of 600 meter of retaining wall and 600 meter of garland drain has been given in the approved document	NA	
4i	Length of Retaining wall or garland drain all along dump	600 meter length has been mentioned in the approved document	NA	

4j	Number of settling ponds	Proposal has been given in the approved document for construction of settling ponds around waste dump to prevent Surface run off.	NA	
4k	Specific comments of inspecting officer on waste dump management	The mine not started excavation therefore no waste generation and no dump.		

5.0 Solid Waste Management-Backfilling

SN	Item	Proposals	Actual work	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Proposal for full extraction of mineral from mined out area before starting backfilling has been given in the approved document during conceptual stage	NA	
5b	Area under backfilling of mined out area	Proposal has not been given for backfilling.	NA	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 36)	Proposal has been given in the approved document for concurrent use of topsoil for restoration of the ground.	NA	
5d	Total area fully reclaimed & rehabilitated	Proposal for reclamation and rehabilitation has not been given in the approved document.	NA	

5e	General remarks of inspecting officer on backfilling, reclamation etc	
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6.0 Progressive Mine Closure Plan

SN	Item	Proposals	Actual work	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly - Rule 23. Details should be given in the format as given in Annexure-20.	Submitted on time.	2020-21 PMCP submitted	
6b	Management of worked/mined out benches i) Area available for rehabilitation (ha) ii) Afforestation done (ha) iii) No. of saplings planted during the year iv) Cumulative no. of plants v) Any other specific method of rehabilitation vi) Cost incurred on watch & care during the year	NIL 2500	Nil 1875	
6c	Compliance on reclamation and rehabilitation by backfilling i) Voids available for backfilling (L X B X D) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) Any other specific means	Proposal has not been given in the approved document.	Not applicable.	
6d	Compliance of Rehabilitation of waste land within lease i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation	2500	1875	
6e	Compliance of Environmental monitoring (core zone &	Proposal has been in the approved document for regular	No mining activities has been done after	

	buffer zone)	monitoring of environmental parameters at core and buffer zone	grant of mining lease due to no environment clearance.	
6f	General remarks of inspecting officer on PMCP compliance & progressive	As mining activity yet to be started therefore only afforestation has been done in 7.5 meter safety barrier zone.		

7.0 Mineral Conservation

SN	Item	Proposals	Actual work	Remarks
7a	ROM Mineral dispatch or grade-wise sorting within lease area	ROM Mineral will directly be dispatched from the lease area to the captive plant after mechanised crushing and screening.	No excavation has been done after grant of mining lease due to no environment clearance.	
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	Mechanised crushing and screening.	NA	
7c	Different grade of mineral sorted out at mines	Mechanised sorting has been proposed in the approved document before dispatch of the ROM to the captive plant.	NA	
7d	Any beneficiation process at mines	No beneficiation process has been proposed except crushing and screening.	NA	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	No comments as the mining activities yet to be started.		

8.0 Environment

SN	Item	Proposals	Actual work	Remarks
8a	Separate removal and utilization of topsoil (Rule 36)	Proposal has been given in the approved document for separate removal of topsoil and its	No excavation has been done after grant of mining lease due to no environment	

		utilization.	Clearance.	
8b	Concurrent use or storage of topsoil	Proposal has been given in the approved document for concurrent use of Topsoil.	NA	
8c	Separate dumps for overburden, waste rock, rejects and fines (Rule 37)	Separate dumping of Topsoil, Overburden, and Mineral have been proposed in the approved document.	NA	
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Proposal has not been given in the approved document for restoration of land during plan period.	N/A	
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Proposal has not been given in the approved document for reclamation and rehabilitation in the Mined out area.	NA	
8f	Baseline information on existence of plantation & additional plantation done (Rule 44)	2020-21: 2500 nos. saplings will be planted	1875 nos within lease area.	
8g	Survival rate	Not mentioned in the approved document	Approx 70%	
8h	Water sprinkling on roads to control airborne dust	Proposal has been given in the approved document for water sprinkling on roads through water tanker.	No excavation has been done after grant of mining lease due to no environment Clearance.	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	As the mine is yet to be start mining activities therefore no such adverse impact observed on aesthetic beauty in and around mines area.		

9.0 Compliance of Rule 45

S. N.	Item	COMMENTS	Remarks
	Status of submission of Monthly and Annual	M.R. Submitted upto – June 2021 A.R. submitted upto- 2020-21	

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: Bhajan Singh Rawat, Geologist: no given, Manager: Bhajan Singh Rawat	The recruitment of Geologist done and notice of appointment send of Shri Alok Diwedi	
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Pit- NIL Waste/reject- NIL Others- 0 Ha. Up to end of F.Y. 2020-21		
9d	Scrutiny of Annual return on Afforestation	Within lease area: 2500 nos.		
9e	Scrutiny of Annual return on mineral reject generation (Grade & quantity)	Nil	Not applicable	
9f	Scrutiny of Annual return on ROM stock and/or graded ore	Closing Stock: ROM: NIL Graded Ore: NIL	No excavation has been done after grant of mining lease due to no environment	
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production cost	Sale Value: NIL Ex-Mine Price: NIL Cost of Production: NIL	-do-	
9i	Scrutiny of Annual return on fixed assets	38120000 Rs		
9k	Scrutiny of Annual return on mining machineries	No machineries deployed.	Mine is non-working	

10- Details of violations observed during current inspection and compliance position of earlier violation pointed out:-The earlier violations has been complied and during present inspection no serious violation found.


4/08/2021

Rajesh Kumar Das, Sr. ACOM, Indian Bureau of Mines, Raipur Date of inspection: 23.07.2021