

MCDR INSPECTION REPORT

1.0 GENERAL

S. No	Particulars	Details
1	Name of the Mine, Name of Inspecting officer with designation & Date of Inspection	Chilhathi Limestone Mines, Shri Rajesh Kumar Das, Senior Assistant Controller of Mines, 08.06.2017
2	Total Lease area (Ha) with breakup of Non Forest and forest land	1- Non forest area - a) Private Land -996.956 Ha, b) Govt. land -88.409 Ha , Total lease area =1085.365 (Ha) 2- Forest area - Nil
3	Mine Code	38 CHG02002
	IBM registration Number under rule 45 of MCDR, 1988	IBM/378/2011
5	Name of The Lessee, Address Phone Number, email and Fax No	LAFARGE INDIA PRIVATE LIMITED of M/s Nuvoco vistas corporation limited (formerly Lafarge India Limited) Nominated owner Mr. Ujjwal Batria, Equinox Business Park Tower 3, East Wing 4th Floor, off Bandra -Kurla Complex, LBX road , Kurla West Mumbai-400070, India . Tel: 022-66306511, Fax: 02266306510 Website-www. nuvoco.in
6	Village	Chilhathi
7	Taluka/ Mandal	Masturi
8	District	Bilaspur
9	Pin code	495001
10	State	Chhattisgarh
11	Post office	Chilhathi
12	Nearest Police Station	Pachpedi
13	Nearest Railway Station	Jairamnagar
14	Date of Grant of Mining Lease	13/07/2015
15	Date of execution	22-12-2015 for the period of 15/12/2015 to 14/12/2065
16	Date of opening of mine	19/04/2017
17	Date of first Renewal, if applicable and its period and expiry	N/A
18	Date of second Renewal, if applicable and its period and expiry	N/A
19	Date of submission of renewal application if Mining operations are continuing under deemed extension	N/A

20	Name of the Nominated Owner with address, phone no, email, fax number and date of appointment	Nominated owner: Mr. Ujjwal Batria, Equinox Business Park Tower 3, East Wing 4th Floor, off Bandra -Kurla Complex, LBX road, Kurla West Mumbai-400070, India. Tel: 022-66306511, Fax: 02266306510, Mail ID- ujjwal.batria@nuvoco.in, Website-www. nuvoco.in, Date of appointment- 26/10/2015
21	Name of the Mine Agent with address, phone no, email, fax number and date of appointment	Mr. R.C. Pathak , Agent & Plant Head Arasmeta Cement Plant of M/s Nuvoco vistas corporation limited (formerly Lafarge India Limited), P.O-Gopalnagar, Tehsil- Akaltra, District- Janjgir Champa, Chhattisgarh, Phone no- 07817-233234, Fax No -07817-234237,234286 Mail ID- ramesh.chandra@ nuvoco.in, Date of appointment- 20/06/2016
22	Name of the Mines Manager with address, phone no, email, fax number and date of appointment	Mr. Sanjay Dwivedi, Arasmeta Cement Plant of M/s Nuvoco vistas corporation limited (formerly Lafarge India Limited), P.O-Gopalnagar, Tehsil- Akaltra, District- Janjgir Champa, Chhattisgarh, Phone no- 09981511598 Fax No -07817-234237,234286 Mail ID- sanjay.dwivedi@ nuvoco.in, Date of appointment-27/06/2016
23	Name of the Mining Engineer, qualification and total experience with address, phone no, email, fax number and date of appointment in mine	Mr. Sanjay Dwivedi, Arasmeta Cement Plant of M/s Nuvoco vistas corporation limited (formerly Lafarge India Limited), P.O-Gopalnagar, Tehsil- Akaltra, District- Janjgir Champa, Chhattisgarh, Phone no- 09981511598 Fax No -07817-234237,234286 Mail ID- sanjay.dwivedi@nuvoco.in, Date of appointment-27/06/2016
24	Name of the Geologist and Mining Engineer, appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 and 44	Mr. Mrinmoy chakraborty, Arasmeta Cement Plant of M/s Nuvoco vistas corporation limited (formerly Lafarge India Limited), P.O-Gopalnagar, Tehsil- Akaltra, District- Janjgir Champa, Chhattisgarh Mail ID- mrinmoy.chakraborty@nuvoco.in, Date of appointment- 15/04/2017
25	Date of approval of Mining Plan/ Modified Mining plan with five year period and specific condition in approval letter if any.	BLS/LST/MPLN-1105/NGP DATED 23/1/2015
26	Date of approval of Mining Scheme/ Modified Scheme with five year period and specific condition in approval letter if any.	NA
27	Mineral (s) granted in lease and proved for mining	Limestone
28	Method of Mining (Opencast, Under ground)	Opencast
29	Category (Fully Mechanized,	Fully Mechanized

	others or Manual)	
30	Captive/ Non Captive	Captive

Scientific Mining: Compliance of proposals of approved mining plan/ Scheme of Mining Exploration

S. No	Items	Proposal	Actual Works	Remarks
1a	Backlog of the previous year	2015-16-36 nos bore hole proposed and in 2016-17-42 bore hole proposed.	Till date 40 hole were drilled.	Mining plan valid from 15/12/2015 to 11/08/2020. CTO obtained -12/04/2017 Proposal 1 st year 36 bore hole, 2 nd year 42 and 3 rd year 60 nos. Mines has been started 19/04/2017
1b	Exploration over area for geological axis 1 &2	101.52 hectare proposed for G1 category Exploration	110.91 Hectare area explored	Total proposal 2015-16 & 2016-17 approx. 2050 ha. Area proposed but only approx.110 ha. Explored.
1c	Exploration Agency & Expenditure in lakh during the year	Shreeram Gemicon Pvt Ltd	36 lakh	
1d	Balance area to be explored to bring Geological axis in 1 or 2	101.52 Hec	110.91	110.91 hectare in G1 and balance Lease area 974.445 hectare in G2
1e	Balance reserve as on 01.04.2016	Category 111 - 64.05 million tonnes, and category 122 - 60.67 million tonnes and in category 222 - 340.423 million tonnes		64.05 Mt include additional reserve of 4.65 MT (recent drilling)

1f	General Remarks of inspecting officer on Geology Exploration etc	The deposit is simple sedimentary deposit and nearly flat. The exploration is lagging as per the proposal.
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2.0 Development

S. No	Items	Proposal	Actual Works	Remarks
2a	Location and development with respect to lease area	N11785-12842 E 10253-10442		CTO received on 12/04/2017 and development work started on April 2017
2b	Separate benches in topsoil, overburden and mineral (Rule 15)	Two benches Ist Bench Soil (241n to 236) and II nd bench Limestone (236-228)	No works in FY 2016-17	
2c	Stripping Ratio or Ore to OB ratio	1:0.10	No works	
2d	Quantity of Top soil generation in M3	17882	No work	
2e	Quantity of overburden generation in M3	17882	Nil	
2f	General Remarks of inspecting officer on development of pit with respect type of deposit etc.	The mine is started recently and only top soil removal is done till date of inspection..		

3.0 Exploitation

S. No	Items	Proposal	Actual Works	Remarks
3a	Number of proposed pit for production	One	Nil	CTO received on 12/04/2017 and development work started on April 2017
3b	Quantity of ROM mineral production proposal	1715625 MT	Nil	
3c	Recovery of salable/usable mineral from ROM production	90	Nil	
3d	Quantity of Mineral Reject generation	Nil	Nil	
3e	Grade of mineral reject generation and threshold value declared	Nil	Nil	
3f	Quantity of Sub grade mineral generation	Nil	Nil	
3g	Grade of sub grade mineral generation	N/A	N/A	

3h	Manual /Mechanized method adopted for segregating from ROM	Mechanized	NA	Mine yet to start production, it is only in development stage.
3i	Any analysis or beneficiation study proposed & carried out for sub grade mineral and reject	By blending method	NA	
3j	Provision of drilling and blasting in mineral benches	yes	As per mining plan	
3k	Provision of mining machineries in mineral benches	Yes , HEMM	As per proposal	
3l	Whether height of benches in overburden and mineral suitable to method of mining proposed in MP/SOM	Yes- for soil 5 meter (RL 241-236) and for mineral 16 meter (RL236to 220)	No work	
3m	Total area covered under excavations pit	4 hectare	No works	2016-17 no mining and allied activities.
3n	Ore to OB ratio for the pit/mine during the year	1:0.10	NA	
3o	Total area put in use under different heads at the end of the year	Pit-4 hectare Waste/reject Others	Nil	For plan period 28.31 ha for mining, 5.6 ha. For storage of top soil,4 ha for infrastructure,10.42 ha. Crusher complex with mineral storage,
3p	Production of ROM mineral during last five year period, as applicable	Nil	Nil	
3q	General remarks of inspecting officer on method of mining etc	The mining activities yet to start and presently only small area top soil removed.		

4.0 Solid waste management dumping

S. No	Items	Proposals	Actual Works	Remarks
4a	Separate dumping of topsoil, OB and mineral reject (Rule 32,33)	Yes	yes	
4b	Location of topsoil, OB & Mineral reject dumps	Proposal of soil dumping site towards NNW	Broadly as per proposal.	

		direction (N 12620-12850& E10220-10550) of the proposed production pit		
4c	Number of dumps with in lease area and outside the lease area	With in lease -1 and outside lease - 0	Broadly as per proposal.	
4d	Location of dumps with respect to ultimate pit limit (Rule 16)	((N 12620-12850 & E10220-10550)	Broadly as per proposal.	
4e	No of active and alive dumps	1	Nil	
4f	No of dead dumps	Nil	Nil	
4g	No of dump stabilized	Nil	Nil	
4h	Whether retaining wall or garland drain all along dumps are there	Yes	Nil	
4i	Length of Retaining wall or garland drain all along dumps	Yes	Nil	
4j	Number of settling pond	2	Nil	
4 k	Specific comments of inspecting officer	As mentioned mine is recently started and only top soil is removed for small area and last year 2016-17 no mining activities.		

5 Soil waste Management-Backfilling

S. No	Items	Proposals	Actual Works	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	No proposal		
5b	Area under backfilling of mined out area	Nil	Nil	
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (rule 32)	Nil		
5d	Total area fully reclaimed and rehabilitated	Nil	Nil	
5e	General remarks of inspecting officer on backfilling, reclamation etc	There is no area matured for backfilling therefore no backfilling activity initiated.		

6.0 Progressive Mine Closure Plan

S. No	Items	Proposals	Actual Works	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly- Rule 22E (2). Details should be given in format as given in Annexure 20	Yes	Will be submitted before 1 st July 2017	

6b	Management of worked/mined out benches 1) 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	N/A	N/A	
6c)	Compliance on reclamation and rehabilitation by backfilling i) voids available for backfilling (LxBXD) ii) Void filled by waste/tailings iii) Afforestation on the backfilled area iv) Rehabilitation by making water reservoir v) any other specific means		N/A	
6d	Compliance of rehabilitation of waste land with in lease area i) Afforestation ii) Area rehabilitated (ha) iii) Method of rehabilitation		N/A	
6e	Compliance of Environmental monitoring (core zone & buffer zone)	Proposed	Stared as per proposal	
6f	General remarks of inspecting officer on PMCP compliance & Progressive			

7.0 Mineral Conservation

S. No	Items	Proposals	Actual Works	Remarks
7a	ROM mineral dispatch or grade wise sorting with in lease area	By mechanized method	Nil	CTO received on 12/04/2017 and development work started on April 2017
7b	Method of grade wise mineral sorting i.e. manual or mechanical	Mechanical method	Nil	
7c	Different grade of Mineral sorted out at mines	Yes	Nil	
7d	Any beneficiation process at mines	N/A	Nil	
6f	General remarks of inspecting officer on PMCP compliance & Progressive			

8.0 Environment

S. No	Items	Proposals	Actual Works	Remarks
8a	Separate removal and utilization of topsoil (Rule 32)	Yes	Nil	
8b	Concurrent use or Storage of topsoil	Yes	Nil	
8c	Separate dumps for overburden waste rock reject and fines (Rule 33)	N/A	Nil	
8d	Use of overburden waste rock , reject and fines dumps for restoring the land to its original use	N/A	Nil	
8e	Phased restoration reclamation and rehabilitation of lands affected by mining operations (Pits , dumps etc)	N/A	Nil	
8f	Baseline information on existence of plantation & additional plantation done (rule 41)	3750 Plantation	4000 Plantation	With in lease and outside lease area
8g	Survival rate	75%	75%	
8h	Water sprinkling on roads to control airborne dust	Yes	By water tanker	
8i	General remarks of inspecting officer on aesthetic beauty in and around mines area	As there is no mining activity during 2016-17 therefore no adverse impact on aesthetic beauty observed.		

9.0 Compliance of Rule 45

S. No	Items	Comments	Remarks
9a	Status of submission of monthly and annual returns	M.R. submitted upto..May 2017 A. R. Submitted upto- will be submitted before 1 st July (First year of working)	

S. No	Items	Details given in A. R	Observation of inspecting officer	Remarks
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Annual return for 2016-17 not submitted	Annual return for 2016-17 not submitted	Mine code received on 17/09/2016 monthly return submitted upto May 2017 and annual return will be submitted before 1 st July 2017
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	NA	NA	
9d	Scrutiny of Annual return on afforestation	NA	NA	
9e	Scrutiny of Annual return on mineral reject generation (grade and quantity)	NA	NA	
9f	Scrutiny of Annual return on ROM stock and/or grade ore	NA	NA	
9g	Scrutiny of Annual return on sale value, Ex mine price and production cost	NA	NA	
9h	Scrutiny of Annual return on fixed assets	NA	NA	
9i	Scrutiny of Annual return on mining machineries	NA	NA	

Details of violations observed during current inspection and compliance position of earlier violation pointed out:-The Rule 11, 26 & 33 found violated.

(Name of inspecting officer with designation and date)
Rajesh Kumar Das, SrACOM, D.O.I-08.06.2017