

MCDR INSPECTION REPORT

General:

Sl No.	Particulars	Details
1	Name of the Mine	Kukurdih Limestone Mines
2	Date of Inspection:	14.06.2022
3	Name of Inspecting Officer	Shri D. Upadhyay, Sr ACOM
4	Name of official accompanying inspection	Mr. Mayank Saini
5	Last date of Inspection & Officer	11/01/2021 Shri Rajesh Das , Sr ACOM
6	Total Lease Area (Ha) with breakup of Non-forest and forest land	Forest – 7.234 Ha. Non Forest – 244.293 Ha
7	Mine code	38CHG19002
8	IBM Registration Number under rule 45 of MCDR, 1988/2017	IBM/441/2011
9	Name of the Lease, Address, Phone, email and fax number	Name - M/s UltraTech Cement Limited Address - 'B" Wing, Ahura Centre 2 nd floor, Mahakali caves Road, Andheri (E), Mumbai 400093 Fax No – 02266928109, Phone No- 02266917800 Email - ajit.ostwal@adityabirla.com
10	Village	Kukurdih
11	Taluka/Mandal	Balodabazar
12	District	Chhattisgarh
13	Pin code	Balodabazar, 493332
14	State	Balodabazar
15	Post Office	Bhatapara
16	Nearest Police Station	Kukurdih
17	Nearest Railway Station	Balodabazar
18	Date of Grant of Mining Lease	06/04/2010
19	Date of Execution	04/11/2010
20	Weekly day of rest	Sunday
21	Date of opening of Mine	10/10/2016
22	Date of First Renewal, if applicable and its period & expiry	NA
23	Date of Second Renewal, if applicable and its period & expiry	NA
24	Date of submission of renewal application if Mining Operations are continuing under deemed extension	NA
25	Name of the Nominated Owner with Address, phone, email, fax number and date of appointment	Mr. K.C.Jhanwar UltraTech Cement Limited Aditya Birla Centre, S.K. Ahire Marg, Worli, Mumbai–400 030 Email: ajit.ostwal@adityabirla.com Phone No.: 022-66917421 Date of Appointment – 19/10/2018

26	Name of the Mine Agent with Address, phone, email, fax number and date of appointment	Mr. Vinay Sharad Chitale Agent & Asst. Vice President (Mines) Kukurdi Limestone Mines Grasim Vihar Rawan, Tahsil – Simga, District – Baloda Bazar Bhatapara (Chhattisgarh) Email – vinay.chitale@adityabirla.com Phone no – 09922413048 Date of appointment – 12/11/2021
27	Name of the Mine Manager with Address, phone, email, fax number and date of appointment in mines	Shri Narender Singh Sekhawat Kukurdi Limestone Mines Grasim Vihar Rawan, Tahsil – Simga, District – Baloda Bazar Bhatapara (Chhattisgarh) Phone No- 09977300559 Email- narender.s@adityabirla.com Date of appointment- 06/04/2022
28	Name of the Mining Engineer, Qualification and total experience with address, phone, email, fax number and date of appointment in the mine	Shri Narender Singh Sekhawat Kukurdi Limestone Mines Grasim Vihar Rawan, Tahsil – Simga, District – Baloda Bazar Bhatapara (Chhattisgarh) Phone No- 09977300559 Email- narender.s@adityabirla.com Date of appointment- 06/04/2022
29	Whether Geologist and Mining Engineer appointment in mines satisfy the rule 42 & carrying out their duties as per rule 43 & 44.	Yes
30	Date of Approval of Mine Plan/Modified Mine Plan with five- year period and specific condition in approval letter, if any.	- बलोदाबा / चुप / खायो -1213/ 2019- रायपुर 543 dated 09]12]2019 for the period (2020-21 to 2024-25)
31	Date of Approval of Scheme of Mining/Modified Scheme of Mining with five- year period and specific condition in approval letter, if any.	
32	Mineral(s) granted in lease and approved for Mining	Limestone
33	Method of Mining (Opencast, Underground)	Open cast
34	Category (Fully Mechanized, Others or Manual)	Mechanized
35	Captive/Non-Captive	Captive
36	Present EC Status	5.0 MTPA, 24/02/2016 , Valid for 30 Year
37	Status of Financial Assurance	1) BG NO- 240GT02193100009, Amount- Rs 22,100,000.00/- Date-06.11.2019, Bank- HDFC

		2) BG NO- 240GT02193100009 Amount- Rs. 3,35,00000/- Date-28.12.2021 Bank- Yes bank
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Scientific Mining: Compliance of proposals of approved Mining Plan/Review of Mining Plan:

1.0 Exploration:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
1a	Backlog of previous year Proposals	Not proposed	Nil	No Backlog
1b	Exploration over lease area for Geological axis 1 or 2.	Not proposed	Nil	Area explored Under G1 Category: 231.116 Ha, Under G2: 12.907 Ha
1c	Exploration Agency & Expenditure in Lakh Rupees during the year	Not proposed	Nil	Earlier Central Drilling Associates Nagpur has carried out Exploration in year 2017-18 total expenditure Rs 495804/-
1d	Balance area to be explored to bring Geological axis in 1 or 2.	Not proposed	Nil	In 2024-25, exploration has been proposed to convert 12.907 Ha, G2 level to G1 level.
1e	Balance reserves as on 01.04.2022	(111): 147.99 (121):11.91 (122): - (211):139.97 (222):8.07 (332):6.08	(111): 147.90 (121):11.91 (122): - (211):139.97 (222):8.07 (332):6.08	
1f	General remarks of Inspecting officer on geology, exploration etc.	Total lease area is explored under G1/G2 level of exploration. Under G1 level 231.116 Ha and Under G2: 12.907 Ha have been covered. Further. Further in 2024-25, exploration has been proposed to convert G2 level to G1 level.		

2.0 Development:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
2a	Location of Development			Developmental is

	w.r.t. lease area	X = 612938.19 to X= 613365.61 Y=2395071.79 to Y = 2395649.14	X= 613053 to X= 613296 Y=2395203 to Y = 2395358	carried out within approved proposal.
2b	Separate benches in topsoil overburden and mineral (Rule 15)	Separate bench proposed.	Separate benches in topsoil & OB are maintained.	Separate benches in topsoil & OB are maintained.
2c	Stripping ratio or ore to OB ratio	1:0.176cum/T	1:0.11 cum/T	
2d	Quantity of topsoil generation in m ³	28033 cu.m	25700 cu.m	Due to Less ROM production generation of top soil is less.
2e	Quantity of overburden generation in m ³	152828 cu.m	17905 cu.m	Due to Less ROM production generation of OB is less.
2f	General remarks of Inspecting officer on development of pit w.r.t type of deposit etc.	Developmental is carried out within approved proposal.		

3.0 Exploitation:

S.N	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
3a	Number of pits proposed for production	1	1	Single pit proposed.
3b	Quantity of ROM mineral production proposed	1030000	87580.90	
3c	Recovery of Salable/usable mineral from ROM production	1000000	87580.90	
3d	Quantity of mineral reject generation	30000	Nil	Mineral reject simultaneously blended with high grade.
3e	Grade of mineral reject generation and threshold value declared	Below 42% CaO	Nil	
3f	Quantity of sub-grade mineral generation	30000	Nil	Mineral reject simultaneously blended with high grade.
3g	Grade of sub-grade mineral generation	Below 42% CaO	Nil	
3h	Manual/Mechanized method adopted for segregation from ROM	Mechanized	Mechanized	Mechanized
3i	Any analysis or beneficiation	Not proposed	Nil	

	study proposed & carried out for sub-grade mineral and reject			
3j	Provision of drilling & blasting in mineral benches	Drilling and blasting is proposed,	Drilling and blasting is carried out as per proposal.	Drilling and blasting is carried out as per proposal.
3k	Provision of mining machineries in mineral benches	Shovel and dumper combination	Shovel and dumper combination	Excavator, Loader and Dumper are equipped to winning out the mineral.
3l	Whether height of benches in overburden and mineral suitable for method of mining proposed in MP/SOM	Yes	Yes	Bench height is suitably matched with the excavator.
3m	Total area covered under excavation /pits	43.78 Ha.	13.061Ha	Total area covered under pits 13.061Ha
3n	Ore to OB ratio for the pit/mine during the year	1:0.176cum/T	1:0.11 cum/T	
3o	Total area put in use under different heads at the end of year	66.91 Ha.	23.5Ha	Total area put in use under different heads at the end of year is 23.5Ha
3p	Production of ROM mineral during last five-years period, as Applicable (tonne)	17-18= 3000000T	NIL	
		18-19= 5000000T	NIL	
		19-20= 5000000T	6416.38	
		20-21= 10300000T	NIL	
		21-22= 10300000T	87580.90	
3q	General remarks of inspecting officer on method of mining etc	The ROM production has been carried out from single pit as per proposal.		

4.0 Solid Waste Management-Dumping:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
4a	Separate dumping of topsoil, OB & mineral reject (Rule 32,33)	Separate dumping of topsoil, OB.	Separate dumping of topsoil, OB are maintained.	Separate dumping of topsoil, OB are maintained.
4b	Location of topsoil, OB & mineral reject dumps	Top soil X= 612710-612781, Y = 2395511-239559 OB X= 614055-614152	Top soil- X= 612710-612781, Y = 2395511-239559 OB	Deviation of OB dumping is pointed out through violation letter.

		Y= 2395779-2395870	X- 614039.8 - 614098.9 Y-2395842.3 -2395909 Reject - Nil	
4c	Number of Dumps within lease area and outside lease area	01 OB dump	01 OB dump	01 OB dump
4d	Location of Dumps w.r.t. ultimate pit limit (Rule 16)	Outside UPL	Outside UPL	Outside UPL
4e	Number of Active & Alive dumps	01 waste dump	01 waste dump	01 waste dump
4f	Number of dead dumps	Not proposed	Nil	Nil
4g	Number of dumps established			
4h	Whether Retaining wall or garland drain all along dumps are there	Retaining wall and garland drain Proposed	Not completed as per proposal.	Deviation of OB dumping is pointed out through violation letter.
4i	Length of Retaining wall or garland drain all along dump	Retaining wall 195m Garland drain 315m	Not completed as per proposal	Deviation of OB dumping is pointed out through violation letter.
4j	Number of settling ponds	Not proposed	Nil	Nil
4k	Specific comments of inspecting officer on waste dump management	Separate dumping of topsoil, OB are maintained. Deviation of OB dumping, Retaining wall and garland are pointed out through violation letter dated 28/06/2022. .		

5.0 Solid Waste Management-Backfilling:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
5a	Status on part or full extraction of mineral from mined out area before starting backfilling	Not proposed	Nil	Area is not matured for reclamation and rehabilitation.
5b	Area under backfilling of mined out area	Not proposed	Nil	--do--
5c	Concurrent use of topsoil for restoration or rehabilitation of mined out area (Rule 32)	Not proposed	Nil	--do--
5d	Total area fully reclaimed & rehabilitated	Not proposed	Nil	--do--
5e	General remarks of inspecting officer on backfilling, reclamation etc	Area is not matured for reclamation and rehabilitation.		

6.0 Progressive Mine Closer Plan:

S.N	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
6a	Whether Annual report on PMCP submitted on time and correctly-Rule 26 (2)	As per provision of MCDR 2017.	Annual report on PMCP submitted.	Annual report on PMCP submitted.
6b	Management of worked/mined out benches	Not proposed.	Area is not matured for reclamation and rehabilitation.	Area is not matured for reclamation and rehabilitation.
	Area available for rehabilitation (Ha)	Not proposed.	Area is not matured for reclamation and rehabilitation.	Area is not matured for reclamation and rehabilitation.
	Afforestation done (ha)	0.4ha	0.4ha	Afforestation done in 0.4ha
	No. of saplings planted during the year	1000	1000	1000 no. of saplings planted during the year
	Cumulative no. of plants	Not specified	1000	Cumulative no. of plants 1000
	Any other specific method of rehabilitation.	Not proposed	Nil	Area is not matured for reclamation and rehabilitation.
	Cost incurred on watch & care during the year			
6c	Compliance on reclamation and rehabilitation by backfilling Voids available for backfilling (L*B*D) Void filled by waste/tailings Afforestation on the backfilling Rehabilitation by making water reservoir Any other specific means	Not proposed.	Area is not matured for reclamation and rehabilitation.	Area is not matured for reclamation and rehabilitation.
6d	Compliance of Rehabilitation of waste land within lease i. Afforestation ii. Area rehabilitation (ha) iii. Method of rehabilitation	1000 no. of saplings in 0.4ha area	1000 no. of saplings in 0.4ha area	1000 no. of saplings planted during the year
6e	Compliance of Environment monitoring (core zone & buffer zone)	Quarterly monitoring	Quarterly monitoring	Quarterly monitoring
6f	General remarks of inspecting officer on PMCP compliance & progressive closer operations	Area is not matured for reclamation and rehabilitation. Plantation is carried out as per proposal.		

7.0 Mineral Conservation:

S.N.	Item	Proposals	Actual Work	Remarks
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		(2021-22)	(2021-22)	
7a	ROM mineral dispatch or grade wise sorting within lease area	ROM mineral dispatched	ROM mineral dispatched	ROM mineral dispatched for its captive plant.
7b	Method of grade-wise mineral sorting i.e. manual or mechanical	ROM mineral dispatched	ROM mineral dispatched	
7c	Different grade of mineral sort out at mine	ROM mineral dispatched	ROM mineral dispatched	
7d	Any beneficiation process at mines	Not proposed	Nil	
7e	General remarks of inspecting officer on Mineral conservation & beneficiation issues	ROM mineral dispatched for its captive plant.		

8.0 Environment:

S.N.	Item	Proposals (2021-22)	Actual Work (2021-22)	Remarks
8a	Separate removal and utilization of topsoil (Rule32)	Yes	Top soil utilized in plantation.	Top soil utilized in plantation.
8b	Concurrent use or storage of topsoil	Yes	Top soil utilized in plantation.	Top soil utilized in plantation.
8c	Separate dumps for overburden waste rock, rejects and fines (Rule 33)	01 waste dump	01 waste dump	01 waste dump
8d	Use of overburden, waste rock, rejects and fines dumps for restoring the land to its original use	Not proposed.	Nil	Area is not matured for reclamation and rehabilitation. Plantation is carried out as per proposal.
8e	Phased restoration, reclamation and rehabilitation of lands affected by mining operations (Pits, dumps etc)	Not proposed.	Nil	Area is not matured for reclamation and rehabilitation. Plantation is carried out as per proposal.
8f	Baseline information on existence of plantation & additional plantation done (Rule 41)	1000 no. of saplings in 0.4ha area	1000 no. of saplings in 0.4ha area	1000 no. of saplings planted during the year
8g	Survival rate	80%	80%	Survival rate 80%
8h	Water sprinkling on roads to control airborne dust	water tanker	One water tanker of 4KL	One water tanker of 4KL

			deployed.	deployed.
8i	General remarks of inspecting officer on aesthetic beauty in and around mine area	Aesthetic beauty in and around mines area is maintained by plantation.		

9.0 Compliance of Rule 45:

S N	Item	Comments		Remarks
9a	Status of submission of monthly and Annual returns	AR & MR submitted regularly.		AR & MR submitted regularly.
S N	Item	Details Given in A.R.	Observation of I/Officer	
9b	Scrutiny of Annual return for information on Mining Engineer, Geologist and Manager	Mining engineer, geologist employment is furnished	Mining engineer, geologist are employed in the mine.	Mining engineer, geologist are employed in the mine.
9c	Scrutiny of Annual return on land use pattern for area under pits, reclaimed area, dumps etc.	Land use pattern furnished in AR.	Found in order.	Found in order.
9d	Scrutiny of Annual return on afforestation	1000 no. of saplings	1000 no. of saplings	1000 no. of saplings
9e	Scrutiny of Annual return on mineral reject generation (Grade & Quantity)	Nil	Nil	Nil
9f	Scrutiny of Annual return on ROM stock and/or grade ore	Closing stock- Nil.	Closing stock- Nil.	Closing stock- Nil.
9g	Scrutiny of Annual return on sale value, Ex. Mine price & production costs	Ex-mine Price Rs 449.01/-	Ex-mine Price Rs 449.01/-	Ex-mine Price Rs 449.01/-
9i	Scrutiny of Annual return on Fixed assets			
9k	Scrutiny of Annual return on mining Machineries	Machineries furnished in AR.	Found in order.	Found in order.

10- Details of violations observed during inspection and the compliance status.

Violation of Rule 11(1) and 12(1) were issued to lessee on 28/06/2022.

Date: 01/07/2022

Signature:
Name: D. Upadhyay
Designation: Sr. ACOM