Your (Half Yearly Compliance Report) has been Submitted with following details	
Proposal No	J-11015/120/2006/IA. II(M)
Compliance ID	127708764
Compliance Number(For Tracking)	EC/M/COMPLIANCE/127708764/2025
Reporting Year	2025
Reporting Period	01 Jun(01 Oct - 31 Mar)
Submission Date	24-05-2025
RO/SRO Name	Shri Senthil Kumar Sampath
RO/SRO Email	agmu156@ifs.nic.in
State	CHHATTISGARH
RO/SRO Office Address	Integrated Regional Offices, Raipur
Note:- SMS and E-Mail has been sent to Shri Senthil Kumar Sampath, CHHATTISGARH with Notification to Project Proponent.	

ADITYA BIRLA

UltraTech

UTCL/BKCW/ENV/MoEFCC/2024-25/139 21st May'2025

The Regional Officer,
Ministry of Environment, Forest and Climate Change,
Aranya Bhawan, North Block, Sector – 19,
Nava Raipur, Atal Nagar, Raipur (C.G)
Pin - 492002
E-mail: iroraipur@gmail.com

Sub: - Submission of Six Monthly compliance status report of Environment Clearance granted to Century Cement Limestone mines, ML 74.843 Ha, located at Village(s) Bahesar and Tulsi, Tehsil – Tilda, Dist. Raipur (CG) – 493 116.

Ref: - EC Letter No. F. No. J-11015/120/2006-IA. II(M) Dated 16th April'2007.

Dear Sir,

This has reference to above cited subject matter, we are submitting herewith point wise six-monthly compliance status report ***(for the period October'2024 to March'2025)*** of the Environment Clearance, Letter No. F. No. J-11015/120/2006-IA. II(M) Dated 16th April'2007, granted to Century Cement Limestone Mines, ML 74.843 Ha, located at Village(s) Bahesar and Tulsi, Tehsil – Tilda, Dist. Raipur (CG) – 493 116.

As per MoEF&CC notification S.O.5845 (E) dated 16/11/2018, we are submitting herewith the compliances report to your good office through E-mail: iroraipur@gmail.com

This is for your kind information please.

Thanking you,

Yours Faithfully
For UltraTech Cement Ltd
Unit: Baikunth Cement Work
(Formerly known as Century Cement)

Ashok Kumar Sinha
Agent & Sr. General Manager (Strategy & Planning)

Encl: a/a

Copy to: -

1. Member Secretary, Chhattisgarh Environment Conservation Board, Atal Nagar, Nava Raipur (CG)-492002.
2. The Regional Officer, Chhattisgarh Environment Conservation Board, New Office Building Ring Road No.2, Tatibandh, Raipur (CG)- 492099.
3. In Charge, Zonal office (Central), Central Pollution Control Board, 4th Floor, Shankar Bhavan, North T.T. Nagar, Bhopal – 462003 (MP).

ENVIRONMENT CLEARANCE COMPLIANCE REPORT

Name of the Project	**:**	**UTCL Baikunth Limestone Mines (ML 74.843 Ha) M/s UltraTech Cement Limited, Unit: - Baikunth Cement Works Village - Bahesar & Tulsi, Tahsil - Tilda, District-Raipur, (C.G.).**
Environmental Clearance Letter No.	**:**	**J-11015/120/2006/IA. II(M) dated 16th April 2007 For Max. up to 1.8 MTPA Limestone production. (Both leases together)**
Period of Compliance Report	**:**	**October - 2024 to March - 2025**

A. Specific Conditions

S.No.	Condition	Status
I.	Topsoil shall be stacked properly with Proper slope with adequate safeguards and shall be backfilled for reclamation and rehabilitation of mined out area.	1. The 74.843 Ha. Mining Lease (ML) Area is the second mining lease of M/s. UltraTech Cement & Ltd. First Mining Lease (ML) Area of 237.003 ha. and second Mining Lease Area of 74.843 ha. are contiguous to each other sharing a common boundary. Southern boundary of 74.843 Ha. and northern lease boundary of 237.003 Ha. is making common boundary of mining lease. The benches of B-block of 237.003 Ha. ML, in northern direction, will advance towards the adjoining 74.843Ha. ML and will become the Ist, IInd & IIIrd benches for the 74.843 Ha. ML 2. One top soil dump has been created within the ML area to preserve the top soil which encountered during mining. The ML and surrounding areas have thin soil cover (0.5 to 3 m), mostly it is composed of unfertile murum. Therefore, wherever scarce fertile top black cotton soil is available, it is separately handled and stacked. Black cotton soil is conserved as stated above and very judiciously utilized for the afforestation. The control measures to prevent soil erosion and wash off from the top soil dump has been adopted. Garland drain has been made around the stack to prevent any wash offs.

Details of Top Soil Dump

Sr.No.	Dump No.	Dump Type TS/OB/MR /SGM	Within Co-ordinates		Volume (M^3)	Angle	Capacity (M^3)
1.	2	TS	2379271N – 2379337N	581832E 581915E	4500	Natural angle of repose	5600

Actual Generation, Utilization and Storage of Top Soil

Year	*Stock at the beginning of the year m^3*	*Generation of Top soil*	*Utilization of Top Soil*	*Stock at the year end*	*Purpose of Utilization of Top Soil*
		m^3	*m^3*	*m^3*	
2019-20	*2290*	*4547*	*4547*	*2290*	Top soil used for plantation
2020-21	*2290*	*3895*	*3048*	*3137*	
2021-22	*3137*	*3468*	*3224*	*3381*	
2022-23	*3381*	*2495*	*2091*	*3785*	
2023-24	*3785*	*660*	*325*	*4120*	
2024-25	*4120*	*5142*	*4558*	*4708*	

Black Cotton Soil Dump

Utilisation of Black Cotton Soil

Sr.No.	Condition	Status
II	Overburden shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The maximum height of the dump shall not exceed 30m, each stage shall, preferably, be of 10mt and	Complied with 1. In 74.843 ha. ML, till date only one OB dump (Linear dump which works as barrier for mining lease) and one Black Cotton Soil dump has been created on the earmarked sites as per the mining plan approved by IBM.

	overall slope of the dump shall exceed 280 The mine pit area shall be reclaimed by backfilling the OB in a phased manner. The OB dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off. Monitoring and management of rehabilitated areas shall continue until the vegetation becomes self-sustaining. Compliance status shall be submitted to the MoEF on six monthly bases.	2. This linear dump is progressively being stabilized and rehabilitated by plantation with native species viz. Kasia-semia, Karanj, Peltaform, Tikma etc. 3. The plantation which has been done in the year 2009 to 2022-2023 are now self-sustainable and there is no erosion. Monitoring and management of area rehabilitated in later period will be continued until the vegetation becomes self-sustaining. 4. The maximum height of the dump is 6 m and the slope of the dump is the natural angle of repose of material. 5. To prevent erosion plantation has been done over dumps and Garland drains has been provided all around the dumps to prevent surface run off. 6. Backfilling has been started in south-west part of the mine since 2015-16. 7. Compliance status is being submitted regularly since 2008 to the MoEF&CC on six monthly bases.

DETAILS OF DUMPS

Sl. No.	Dump No.	Dump Type TS/OB/MR/SGM	Within Co-ordinates		Area (Ha.)	Max. Ht. (M)	Angle	Capacity M^3	Plantation
1	1	OB(Linear Dump)	21°30'47'' to 21°31'01'' N	81°47'21'' to 81°47'31'' E	1.024	6.0	Natural angle of repose	28163	2480
2	2	TS(Top Soil Dump)	2379271N to 2379337N	581831E 581915E	0.15	2.5	-do-	4500	NIL
3	Back-filling	OB & IB (Backfilling)	2379078N to 2379209N	581616E to 581830E	2.8	24	-do-	665000	NIL

Sr.No.	Condition	Status
III	Garland drains of appropriate size shall be constructed to arrest silt and sediment flows from soil and mineral dumps. The water so collected shall be utilized for watering the mine area, roads, green belt development etc. The drain shall be regularly desilted particularly after monsoon and maintained properly. Garland drain (size, gradient and length) shall be constructed for both mine pit and waste dump and sump capacity shall be designed keeping 50% safety margin over and maximum discharge in the area adjoining the mine site. Sump capacity shall also provide adequate retention period to allow proper settling of silt material. Sedimentation pits shall be constructed at the corners of the garland drains and sedimentation pits shall be constructed at the corners of the garland drains and desilted at regular intervals.	Complied with. 1. Garland drain has been constructed with proper size, gradient and length, around mine pit and waste dump to arrest silt and sediment flows from soil and waste dump. Size of the drain is as follows: **Length: 3681 m** **Width: 1.2 – 1.4 m** **Depth: 0.5-1.5 m** 2. These drains are regularly desalted particularly after monsoon and are maintained properly. 3. We accumulate the rain water and store in mine sump. 4. The mine water so collected, before it is pumped out, is stored for sufficient time in the sump, so that the entrained solids and SPM what so ever get settled and then only clean water is pumped out and utilized for watering the mine area, roads, green belt development etc. 5. Sump is so designed that it can accommodate more than twice the surface / rain water of the catchment area. 6. Sedimentation pits are constructed at the corners of the garland drains and sedimentation pits are desilted at regular intervals. 7. All the surface run off of both the leases (74.843 Ha.ML & 237.003 Ha. ML) are trapped in a common drain.

 	
Garland drain around mine Pit	**Photograph of the Sedimentation Pit**

Sr.No.	Condition	Status
IV	Drilling and blasting shall be using dust extractors/wet drilling.	Complying with. Drilling: In-built water injection system is being adopted in all the drills for 100% dust-free wet drilling.
V	Plantation shall be raised in an area of 76.672 including green belt of adequate width by planting the native species around the ML area, roads, OB dumpsites etc. in consultation with the local DFO/ Agriculture Department. The density of the trees shall be around 2500 plants per ha.	Complying with. We have consulted Divisional Forest Officer (DFO), Raipur regarding our afforestation efforts vide our letter no. CC/MO/BPM/270 dated 17.08.2010. We have received letter NO. No/Steno/334 dated 13.04.2011 and letter No. Steno/359 dated 23.04.2011 from Divisional Forest Officer (DFO). Raipur regarding the conservation of Flora and fauna of local area. **Regarding Plantation** The management and infrastructure for both the mine i.e. 74.843 Ha. and 237.003 Ha. are common and both the mines are adjacent to each other. The total area of the project site is 74.843 Ha. as per the approve Mining Plan, about 43.143 Ha. of land will be planted. Within Mining Lease Area: Total Non-mineralized area in Mining Lease is 41.34 Ha., out of which plantation done so far in 23.29 Ha. area with 45969 plants. Outside ML Area: Outside Mining Lease Area 345085 nos. of tree has been planted in an area of 176.59 Ha.

Plantation details of Lease Area 237.003 Ha. & adjoin 74.843 Ha. as on 31.03.2025

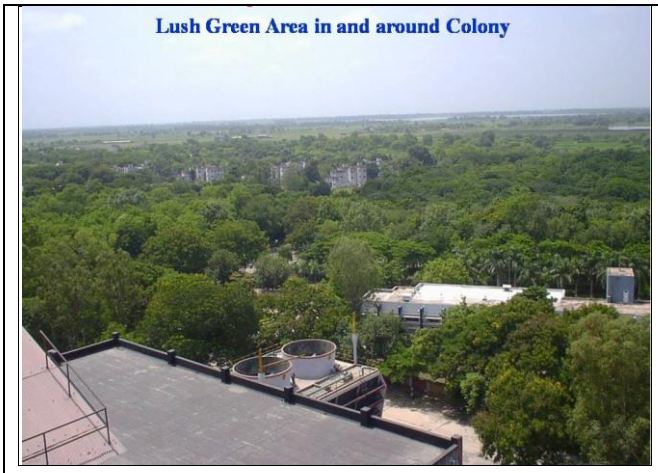
AFFORESTATION AS ON 31.03.2025

Sr. No.	Particulars	With Mining Lease			Outside ML	Grand Total
1	Area available	237.003	74.843	311.846	204.524	516.37
2	Afforestation Area (H) till 2024-25	86.87	23.89	110.76	176.60	287.36
3	% Area afforested	36.65	31.92	35.52	86.35	55.65
4	No. of tree planted till 2024-25	170716	47169	217885	345110	562995
5	Trees planted / Ha.	1965	1974	1967	1954	1959
6	No. of tress survived	163887	43867	207754	331306	539060
7	Survival	0.96	0.93	0.95	0.96	0.96
8	Density of survival trees / Ha.	1886	1836	1876	1876	1876
9	Area planted in 2024-25	0.3	0.3	0.6	0	0.6
10	No. of trees planted 2024-25	600	600	1200	0	1200

Sr.No.	Species of Plant	Total planted as on 31.03.2023	Plantation done during the year (01.04.2023 to 31.03.2024)	Total planted as on 31.05.2025(237.003H.)	Total planted as on 31.03.2025 (74.843H.)	Total plantation done as on 31.05.2025
1	Neelgiri	23446		0	0	23446
2	Peltafarm	46211	700	0	0	46911
3	Gulmohar	17558		0	0	17558
4	Sisu	54657		0	0	54657
5	Neem	21934		0	0	21934
6	Parkhiya	356		0	0	356
7	Karanj	68919	300	300	0	69519
8	Siras	24025		0	0	24025
9	Bakayan	8288		0	0	8288
10	Sahtut	3188		0	0	3188
11	Moulshree	491		0	0	491
12	Khair	790		0	0	790
13	Khamar	8891		0	0	8891
14	Amaltas	5727		0	0	5727
15	Kalpataru	2200		0	0	2200
16	Peepal	1606		0	0	1606
17	Bargad	375		0	0	375
18	Fruit plants	28072	600	0	0	28672
19	Ponsitiya	345		0	0	345
20	Bougainvillea	3622		0	0	3622
21	Bel	102		0	0	102

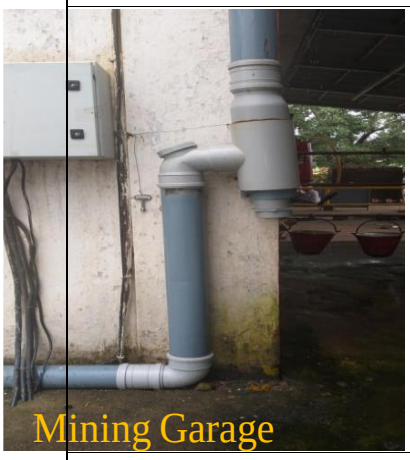
22	Bamboo	11740		0	0	11740
23	Fragrant plants	5250		0	0	5250
24	Paras Peepal	2769		0	0	2769
25	Kapok	5797		0	0	5797
26	Bottlebrush	1133		0	0	1133
27	Badam	573		0	0	573
28	Kachnar	7019		0	0	7019
29	Subabul	8240		0	0	8240
30	Kessal Penia	2589		0	0	2589
31	Bahera	405		0	0	405
32	Bahumiya Purpuria	989		0	0	989
33	Kesia Samiya	73384	610	300	600	74894
34	Pangra	4601		0	0	4601
35	Kadam	159		0	0	159
36	Coconut	57		0	0	57
37	Acacia	17115		0	0	17115
38	Raintree	1097		0	0	1097
39	Chhateem	2823		0	0	2823
40	Teak plant	7728		0	0	7728
41	Mangium	1200		0	0	1200
42	Jangal Jalebi	660		0	0	660
43	Ratanjot	13413		0	0	13413
44	Kaner	1854		0	0	1854
45	Casiya Fistula	300		0	0	300
46	Others	60215		0	0	60215
47	Awala	2420		0	0	2420
48	Arjun	1984		0	0	1984
49	Village schools (Tandwa, Kundru, Jangira, Tulsi, Kirna, Konari	1200		0	0	1200
50	Jamun	100		0	0	100
TOTAL		**557617**	**2210**	**600**	**600**	**561027**
Area covered (Hectare)		**285.66**	**1.1**	**0.3**	**0.3**	**287.36**


Plantation Within ML Area



Plantation Within ML Area

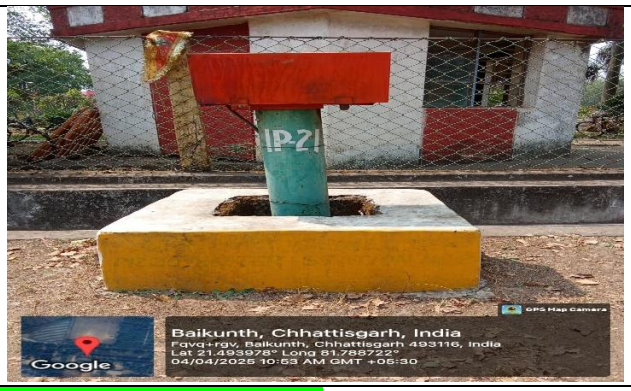
Sr.No.	Condition	Status
VI	The project authority shall implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, Central Ground Water Board.	As guided by CGWB we have constructed ground water recharging pond near the mine. Also, other rain water harvesting efforts such as Roof Top Harvesting structures has been constructed as per the consultation and suggestions of CGWB, NCCR, Raipur. We have consulted Central Ground Water Board (CGWB) & obtained No Objection Certificate (NOC) for drawl of ground water, vide their letter CGWA/NOC/MIN/REN/4/2025/11318 dated 03.04.2025 having validity from 22.11.2023 – 21.11.2025. **Both the projects i.e. 74.843 Ha. Mining Lease and 237.003 Ha. Mining lease are common hence the arrangement for both projects are common.**



Rain Water Harvesting
(Roof top Water Harvesting)

Sr.No.	Condition	Status
VII	Regular monitoring of ground water level and quality shall be carried out by establishing a network of existing wells and constructing new piezometers during the mining operation. The monitoring shall be carried out four times in a year – pre-monsoon (April-May),	Regular monitoring of ground water level and quality is being carried out by a network of existing wells (Core zone & Buffer Zone) and piezometers. The monitoring is being carried out four times in a year – pre-monsoon (April-May), monsoon (August), post-monsoon (November) and winter (January) and the data collected is

	monsoon (August), post-monsoon (November) and winter (January) and the data. Thus collected may be sent regularly to MOEF, Central Ground Water Authority and Regional Director Ground Water Board.	being sent regularly to Central Ground Water Authority and Regional Director Ground Water Board. Report has been prepared and submitted annually to the Central Ground Water Board, North Central Chhattisgarh Region, Raipur and Central Ground Water Authority, New Delhi. Yearly Ground water monitoring report is been submitted regularly to Central Ground Water Board, NCCR, Raipur and Central Ground Water Authority. Following is the copy of the Ground Water Monitoring Report.



Ground Water Monitoring Through Piezometer

Ground Water Quality Monitoring Data for October - 2024 to March -2025																
S. No.	**Parameters**	**Testing Protocol**	**Limit as per IS:10500-2012**		**Un**	**Bore well Colony**	**Bore well Mines**	**Jota**	**Tandwa**	**Kundru**	**Bahesar**	**Sirwai**	**Konari**	**Nakti**	**Kirna**	**Chicholi**
			Desirable	**Permissible**		**Project Site**		**Core Zone**							**Buffer Zone**	
1.	Color	APHA 23rd Edition,2120B	5	15	-	BDL(DL 1.0)	BDL(DL 1.0)	BDL(DL 1.0)	BDL(DL1.0)	BDL(DL1.0)	BDL(DL1.0)	BDL(DL1.0)	BDL(DL 1.0)	BDL(DL1.0)	BDL(DL1.0)	BDL(DL1.0)
2.	Odor	APHA 23rd Edition,2150	Agreeable	Agreeable	Mg	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3.	Turbidity	APHA 23rd Edition,2130	1	5	NT	BDL(DL 1.0)	BDL(DL 1.0)	BDL(DL1.0)	BDL(DL 1.0)	BDL(DL1.0)	BDL(DL1.0)	BDL(DL1.0)	BDL(DL 1.0)	BDL(DL1.0)	BDL(DL1.0)	BDL(DL1.0)
4.	pH at 25o	APHA 23rd Edition,4500-H+B	6.5-8.5	NR	Mg	7.40	7.38	7.51	7.41	7.45	7.50	7.61	7.57	7.43	7.45	7.40
5.	Total Dissolved Solids	APHA 23rd Edition,2540 C	500	2000	Mg	441.0	427	450	431	441	360	357	469	335	393	431
6.	Alkalinity as CaCO3	APHA 23rd Edition,2320 B	200	600	Mg	177	161	159	173	138	135	112	118	176	187	157
7.	Hardness as CaCO3	APHA 23rd Edition,2340 C	200	600	Mg	180	201	188	198	212	177	177	179	191	214	176

8.	Calcium as Ca	APHA 23rd Edition,3500Ca B	75	200	Mg	61.36	67.04	67.52	60.59	70.45	54.15	60.75	62.32	61.49	62.21	62.04
9.	Magnesium as Mg	APHA 23rd Edition,2340 B	30	100	Mg	6.54	8.20	4.75	11.38	8.81	10.18	6.18	5.71	9.13	13.08	5.15
10.	Chloride as Cl	APHA 23rd Edition,4500Cl-B	250	1000	Mg	42.64	59.46	69.71	90.71	149	57.37	48.84	181	46.74	61.57	98.21
11.	Sulphate as SO4	APHA 23rd Edition,4500 E	200	400	Mg	38.91	36.29	66.58	40.23	50.57	25.22	17.51	39.78	37.62	54.02	47.33
12.	Fluoride as F	APHA 23rd Edition,4500-F-D	1.0	1.5	Mg	BDL(DL 0.05)	BDL(DL 0.05)	BDL(DL 0.05)	BDL(DL 0.05)	DL(DL 0.05)	BDL(DL 0.05)	DL(DL 0.05)	BDL(DL 0.05)	DL(DL 0.05)	DL(DL 0.05)	BDL(DL 0.05)
13.	Iron as Fe	APHA 23rd Edition,3500-Fe B	1.0	NR	Mg	0.25	0.17	0.41	0.41	0.32	0.25	0.28	0.26	0.18	0.20	0.92
14.	Aluminium as Al	APHA 23rd Edition,3500 Al-B	0.03	0.2	Mg	BDL (DL 0.03)	BDL (DL0.03)	BDL (DL0.03)	BDL DL 0.03)	BDL (DL 0.03)	BDL (DL0.03)	BDL (DL0.03)	BDL (DL 0.03)	BDL DL0.03)	BDL (DL 0.03)	BDL DL 0.03)
15.	Zinc as Zn	APHA 23rd Edition,3113 B	5	15	Mg	BDL (DL0.00005)	BDL (DL0.00005)	BDL (DL0.00005)	BDL (DL0.00005)	BDL (DL0.00005)	BDL (DL0.00005)	BDL (DL0.00005)	BDL (DL0.00005)	BDL	BDL	BDL (DL0.00005)

														(DL0.005)	(DL0.005)	
16.	Lead as Pb	APHA 23rd Edition,3113 B	0.01	NR	Mg	BDL (DL0.008)	BDL (DL0.008)	BDL (DL0.008)	BDL (DL0.008)	BDL (DL0.008)	BDL (DL0.008)	BDL (DL0.008)	BDL (DL0.008)	BDL (DL0.008)	BDL (DL0.008)	BDL (DL0.008)
17.	Arsenic as As	APHA 23rd Edition,3114 C	0.01	NR	Mg	BDL (DL0.002)	BDL (DL0.002)	BDL (DL0.002)	BDL (DL0.002)	BDL (DL0.002)	BDL (DL0.002)	BDL (DL0.002	BDL (DL0.002)	BDL (DL0.002)	BDL (DL0.002)	BDL (DL0.002)
18.	Cadmium as Cd	APHA 23rd Edition,3113 B	0.003	NR	Mg	BDL (DL0.002)	BDL (DL0.002)	BDL (DL0.002)	BDL (DL0.002)	BDL (DL0.002)	BDL (DL0.002)	BDL (DL0.002)	BDL (DL0.002)	BDL (DL0.002)	BDL (DL0.002)	BDL (DL0.002)
19.	Copper as Cu	APHA 23rd Edition,3111 B	0.05	1.5	Mg	BDL (DL0.02)	BDL (DL0.02)	BDL (DL0.02)	BDL (DL0.02	BDL (DL0.02	BDL (DL0.02)	BDL (DL0.02)	BDL (DL0.02)	BDL (DL0.02)	BDL (DL0.02)	BDL (DL0.02)
21.	Nitrate as NO3	IS:3025 (part34)	45	NR	Mg	BDL (DL0.03)	BDL (DL0.03)	BDL (DL0.03)	BDL (DL0.03)	BDL (DL0.03)	BDL (DL0.03)	BDL (DL0.03)	BDL (DL0.03)	BDL (DL0.03)	BDL (DL0.03)	BDL (DL0.03)

Note: BDL-Below Detection Limit, DL-Detection Limit, NR-No Relaxation

<table>
<tr><th>Sr.No.</th><th>Condition</th><th>Status</th></tr>
<tr><td>VIII</td><td>Prior permission from the competent authority shall be obtained for drawl of ground water if any.</td><td>We have consulted Central Ground Water Board (CGWB) & obtained No Objection Certificate (NOC) for drawl of ground water, vide their letter CGWA/NOC/MIN/REN/4/2025/11318 dated having validity from 22.11.2023 – 21.11.2025.</td></tr>
<tr><td>IX</td><td>Vehicular emission shall be kept under control and regularly monitored. Measures shall be taken for maintenance of vehicles used in mining operations and in transportation of mineral. The vehicles shall be covered with a tarpaulin and shall not be overloaded.</td><td>Vehicular emission is kept under control by proper and timely maintenance of machineries. Continuous environmental monitoring system has been installed in the mine premises for continuous monitoring of SPM, SOX NOX and CO in ambient air. The analysis report shows that all parameters are well within the limits.

All vehicles engaged in mineral transport ply within the mining lease area (Core Zone), which is for a short distance, and no transportation of mineral is done by vehicles, outside the core zone. However, if required, the vehicles engaged in transportation of minerals outside the core zone will be provided with tarpaulin and no overloading will be allowed towards mineral transportation.

Mineral/overburden is transported in LW-35 & BH35-2, CAT-770G-40 Haul pak rear dumpers, plying on well laid haul roads and ramps, either to the crusher or to dump yards.

There are two types of dumper haul roads in the mines

<table>
<tr><td>1.</td><td>Concrete/Tar-surfaced Roads</td><td>From pit top to crushing plant.</td></tr>
<tr><td>2.</td><td>Roads on natural surface with

well compacted murrum top</td><td>a. From quarry working to the pit top
b. From pit top to dump yards or to connect the concrete road.</td></tr>
</table>
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	 Form 59 Pollution Under Control Certificate Date 07/03/2025 Time 15:59:12 PM Validity upto 06/03/2026 DIESEL Rs.120.00 Vehicle Photo with Registration plate 50 mm x 30 mm Sr. No. / Pollutant (as applicable) / Units (as applicable) / Emission limits / Measured Value (upto 2 decimal places) Carbon Monoxide (CO) / percentage (%) Hydrocarbon (THC/HC) / ppm CO / percentage (%) RPM / RPM / 2500 ± 250 Lambda / - / 1 ± 0.03 Light absorption coefficient / 1/metre / 0.7 / 0.27 This PUC certificate is system generated through the national register of motor vehicles and does not require any signature.	
X	A final mine closure Plan, along with details of Corpus Fund, shall be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.	Complying with. Final Mine closure plan along with the corpus fund details will be submitted 5 years in advance of final closure of Mines to the Ministry of Environment & Forest.

B. General Conditions

Sr.No.	Condition	Status
I	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment & Forest.	Prior approval of the Ministry of Environment & Forest. will be taken in case of any change in mining technology and scope of working .
II	No change in the calendar plan including excavation, quantum of mineral limestone waste shall be made.	No Change .
III	Conservation measures for protection of flora and fauna in the core & buffer zone shall be drawn up in consultation with the local forest and wildlife department.	We have received guidance from DFO vide letter **No./Steno/334 dated 13.04.2011**. We are following the guidance given by DFO. The land procured initially by group was barren. We have developed green belt over 287.36 Ha. (up to 31.03.2025) of land both in core zone and buffer zone, with more than 5.62 Lac number well grown trees. Now this area is lush green area which is evident in the photographs as follows.
		

IV	Four ambient air quality monitoring station shall be established in the core zone as well as in the buffer zone for RPM, SPM, SO2, NOx monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.	We have consulted Chhattisgarh State Environment Control Board (CECB) and obtained Consent to Operate (CTO) for the project. All the conditions imposed in CTO are being complied. Four ambient air quality monitoring station are established in consultation with CECB in the core zone as well as in the buffer zone based on the meteorological data, topographical features and environmentally and ecologically sensitive targets for PM10, PM2.5, SO2, NOx and CO monitoring. We are submitting hereby the AAQM results carried out for the mine. The results depicted that all the parameters are well within the limits. Sampling location and analysis results been given as below:

Location	**Zone**	Distance	Direction
Mine Office	Core Zone	-	-
Loading Point	Core Zone	-	-
Haul road	Core Zone	-	-
Dumping Site	Core Zone	-	-
Bahesar	Buffer Zone	1.0	SE
Tulsi	Buffer Zone	1.3	NE
Tandwa	Buffer Zone	2.5	W
Kirna	Buffer Zone	2km	SW

		Ambient Air Quality Monitoring as carried out by J.M. Envirolab Pvt Ltd Haryana, which is a NABL accredited laboratory, results of the core zone as well as buffer zone are as follows. –

Ambient Air Quality Monitoring Data for Mines Core & Buffer Zone from October-2024 to March -2025

Parameters	Permissible Limit	Core Zone							
		Location 1 Mines Office		Location 2 Loading Point		Location 3 Haul Road		Location 4 Dumping site	
		Min	Max	Min	Max	Min	MAX	Min	Max
PM 10	100 µg/m^3	45.39	68.22	44.11	58.34	44.36	65.37	42.33	62.44
PM 2.5	60 µg/m^3	28.34	36.18	26.37	35.34	30.22	35.36	24.49	35.38
SO_2	80 µg/m^3	9.11	13.24	8.22	11.62	8.39	12.18	8.29	11.58
NOx	80 µg/m^3	15.28	21.17	15.22	19.62	14.17	20.34	13.48	17.49
Parameters	**Permissible Limit**	**Buffer Zone**							
		Location 5 Bahesar		**Location 6 Tulsi**		**Location 7 Tandawa**		**Location 8 Kirna**	
		Min	**Max**	**Min**	**Max**	**Min**	**MAX**	**Min**	**Max**
PM 10	100 µg/m^3	42.41	58.37	45.27	47.42	42.13	43.46	43.28	44.11
PM 2.5	60 µg/m^3	27.21	33.29	29.34	30.11	25.33	27.28	28.44	29.35
SO_2	80 µg/m^3	9.15	12.41	10.26	11.29	9.45	10.14	10.18	11.26
NOx	80 µg/m^3	15.39	19.34	16.51	17.49	15.32	15.44	14.20	15.22

Sr.No.	Condition	Status
V	Data on ambient air quality (RPM, SPM, SO2, NOx) should be regularly submitted to the Ministry including its Regional office located at Bhopal and the State Pollution Control Board / Central Pollution Control Board once in six months.	Data on ambient air quality is being regularly submitted half yearly to Regional Office, MoEF, Bhopal (IRO, Raipur) and CECB.
VI	Fugitive dust emissions from all the sources shall be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points shall be provided and properly maintained.	The Company has been accredited with ISO-14001 for its Environment Management System (EMS). Ultratech Cement has a well-designed Environment Policy. Funds and any other resources are no constraints for its implementation. Environment management and pollution control measures have been taken up by way of massive tree plantation on open non-mineral bearing areas & dead dumps, control over air-borne dust, noise, ground vibration and periodical monitoring of the quality of mine water. Details are given below: -

		<u>Dust Suppression Measures</u>: a) **Wet drilling operation**: Inbuilt water injection system is adopted on all drills to ensure 100% dust free wet drilling. b) **Other sources of dust generation at quarry** Other sources of dust generation in the mines are the loading points, haul roads and the blasting operation. At loading points, muck pile wetting by Water jet fitted on water tanker is tried to suppress the dust generated during digging action. It is found to be partly effective. However, this source of generation is not much. Similarly, dust generation during blasting is only for a few minutes and is unavoidable. Hydraulic rock-breaker is used which has eliminated the dust generation due to secondary blasting.

Sr.No.	Condition	Status
		c) **On haul roads**: Dust suppression on haul roads is done by; 1. A very effective system of road wetting by permanently installed sprinklers fitted along dumper haul roads. In all, 73 sprinklers covering about 1460 m length of haul road are successfully operating at present. 2. Another major part of haul road (about 2 Kms) has been concreted to minimize dust generation on roads. 3. Water sprinkling by truck mounted water tanker is used for dust suppression. d)**Blasted Muck Piles:** Rain gun has been installed on the water tanker; it is being used at the time loading, to suppress the dust generated during loading. e) **Crushing Plant** Though it is out of mining lease, here also atomized Water spray is provided in the hopper. Bag filter system at all the conveying and transfer points provided to control The dust very effectively. f) **Survey of air-borne dust:** • A High Volume & Respirable Dust Sampler carries out quantitative survey of air-borne dust once in a quarter. • We also have a personal sampler. This is useful in monitoring the exposure of any worker to air borne dust in a specific work situation.

Sr no.	Location	Dust suppression measurement taken
1	Haul Road	No. of Sprinkler – 73 Nos.
2	Dump	Water Tanker - 1 No.

	
Water Sprinklers installed on Haul Road	**Rain gun has been installed on the water tanker**
	
Water Spray in hopper	**Ambient Monitoring**

Sr.No.	Condition	Status
VII	Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operation of HEMM, etc. should be provided with ear plugs/muffs.	For subject lease area, same methodology has been adopted for the noise measurement and control system same as adopted for the adjoining lease area of 237.003 Ha. The machineries and infrastructure are common for both mining lease area. Quarterly measurements of noise levels at different sources are carried out. From the following noise level survey record, it may be observed that at seven locations no protection is required, still earplugs have been provided. At six locations low-level protection is required. Since, there is no way to reduce these levels as per the manufacturer's design of these equipment's, the operating staff at these locations has been provided with earmuffs.

Noise Level Survey –For 30 min

Protocol Used: IS:4758-1968

MACHINE/PLACE	LOCATION	NOISE LEVEL IN dB(A)	PROTECTIVE MEASURES ADOPTED
DOZER-115A	Operator's cabin running on load	83.1	Ear muff provided
POCLAIN 300CK	Operator's cabin running on load	84.7	Ear muff provided
HAULPAK-35T	Operator's cabin running on load	82.3	Ear muff provided
IBH-10 DRILL	Operator's cabin running on load	82.5	Ear muff provided
HEAVY BLASTING(INSTANTANEOUS)	Blasting shelter	86.7	Momentary, Ear muff provided

Sr.No.	Condition	Status
VIII	Industrial waste water (workshop and waste water from the mine) should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May 1993 and 31st December 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop effluents.	We do not generate waste water in mining process. Also, there is no effluent generation at workshop . Only a small amount of waste water is generated due to washing of vehicles. This water passes through four chamber separation tanks (Oil & Grease Trap) where oil and grease, if any is separated from water. The cleaned water is utilized for watering of plantation within mining lease. Thus, there is no effluent. Discharge water Quality Monitoring as carried by NABL accredited laboratory.

4-Chamber 'Oil-Separation Tank' (Oil Trap) At Machinery Washing Place to Render Waste Water Free from Oil and Grease

Discharge Water Monitoring Data from October-2024 to March-2025

S.No.	Parameters	Testing Protocol	Unit	Permissible limit	LMV Washing		HEMM Washing	
					Min	Max	Min	Max
1	pH (at 25 ^{o}C)	APHA 23rd Edition, 4500-H+B	-	5.5-9.0	7.26	7.64	7.23	7.82
2	TSS	APHA 23rd Edition, 4500-H+B	mg/lit	100	67	89	46	96

	3	**Oil & Grease**	**APHA 23rd Edition, 4500-H+B**	**mg/lit**	**10**	**1.8**	**3.42**	**1.6**	**3.52**
	4	**BOD (3Days at 27 ^{o}C)**	**IS 3025,P-44,1999 (Reaff.-2003)**	**mg/lit**	**30**	**13**	**21**	**19**	**33**
	5	**COD**	**APHA 23rd Edition, 4500-H+B**	**mg/lit**	**250**	**46**	**66**	**65**	**98**

Sr.No.	Condition	Status
IX	Personnel working in dusty areas shall wear protective respiratory devices and they shall also be provided with adequate training and information on safety and health aspects.	**Health Safety and Welfare Amenities** We are regularly providing PPEs to all workers working in mines. Initial training to all workers are being imparted before taken into job at mines and also refresher training of the all workers employed in mines are so arranged that every worker receives refresher training at least once in every five year. The details of training imparted are regularly being submitted with compliance report. Record of issue of PPE are available at mines at all the time. **Annual report of Training (Year: 2024-25)**

Sr. No.	Type of Training imparted	No. of Persons trained
1.	Induction Programme	0
2.	Refresher Course	7
3.	Special/orientation course	0
4.	Basic Training (New appointments)	0
Total		**7**

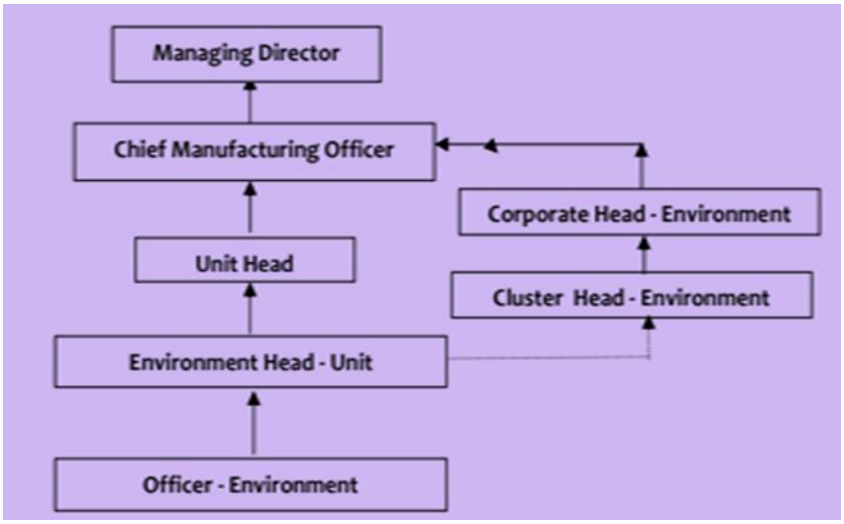
Officers are also sent for special trainings and seminars etc.

General Safety Consciousness of workers:

Continuous efforts are made to educate the workers about the safety of men and machines through regular departmental talks & instructions, vocational training etc.

Functioning of Safety Committee:

In accordance with Mines Rules, 1955, Safety Committee has been formed which has 12 workmen and 12 officials and is chaired by the manager, senior most assistant manager being the secretary.

Sr.No.	Condition	Status
X	Occupation health surveillance program of the workers shall be undertaken periodically to observe any contraction due to exposure to dust and take corrective measures, if needed.	Initial Medical Examination (IME) of every worker before joining the mine and Periodical Medical Examination (PME) of all workers employed in mines are being done regularly in such a manner that every worker undergoes PME at least once in every year. Total 65 persons PME done till Sep-2024. There is no case of occupational diseases till date. Latest PME was done on Sep-2024.
XI	A separate environmental management cell with suitable qualified personnel shall be set-up under the control of a Senior Executive, who will report directly to the Head of the Organization.	The Environmental Management cell has been established under the control of senior executives; having suitable qualified personnel & facilities to carry our overall environmental monitoring/ measurement and management activities. 
XII	The project authorities shall inform to the Regional Office located at Bhopal regarding date of financial closures and final approval of the project by the concerned authorizes and the date of start of land development work.	Complied and Production from mines started from 21.03.2008.
XIII	The funds earmarked for environmental protection measures shall be kept in separate account and should not be diverted for other purpose. Year wise expenditure shall be reported to the Ministry and its Regional Office located at Bhopal.	**Complying with. The details are as under :**

EXP INCURRED TOWARDS IMPLIMENTATION OF EMP
(October 2024 to March 2025)

Sr No	Expenses Head	UOM	H-1 FY'24-25 (April 24-Spt-24)	H-2 FY'24-25 (Oct 24-March-25)	FY 24-25

1	Safety & Hospital (Occupational Health)	Rs.	98.23	**92.11**	**190.34**
2	Green Belt maintenance exp.	Rs.	2.93	**6.44**	**9.37**
3	Pollution Control & Monitoring	Rs.	0.89	**0.89**	**1.78**
4	Expert advice expenses (Others)	Rs.	0	**0**	**0.00**
5	Back filling	Rs.	0	**0**	**0.00**
	Total		**102.05**	**99.44**	**201.49**

Sr.No.	Condition	Status
XIV	The Regional Office of this Ministry located at Bhopal shall monitor compliance of the stipulated condition. The project authorities should extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring reports.	We will extend full cooperation to the officer(s) of the Regional Office during visits for data/information/monitoring reports.
XV	A copy of clearance letter will be marked to concerned Panchayat / local NGO, if any from whom suggestion / representation has been received while processing the proposal.	**Complied.**
XVI	State Pollution Control Board should display a copy of the clearance letter at the regional office, District Industrial Centre and Collector's office/ Tehsildar's Office for 30 days.	**Noted**
XVII	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 day of the issue of the clearance letter informing that the project has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and also at web site of the Ministry of Environment and Forest at http://envfor.inc.in and a copy of the same shall be forwarded to the Regional Office of this Ministry located Bhopal.	Complied.  लोक सुनवाई सूचना  दैनिक भास्कर लोक सुनवाई सूचना