



Date: 17.11.2023

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Ref: VC/WS/ENV/2023-24/F1

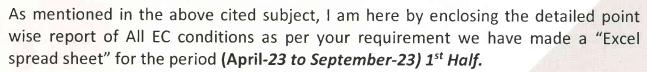
To

The Director-IA Division, Ministry of Environment, Forests & Climate Change, Indira Paryavaran Bhavan,

Jor Bagh Road, New Delhi - 110 003.

Respected Sir,

Sub: Submission of Half Yearly All EC Compliance Report-Reg.



EC-PLANT AND MINES

S.No	EC Number and Date	No of Pages
	Plant	
1	No. J-11011/11/95- IA.II Dt. September 6 th , 1995	02
2	No. J-11011/22/2005-IA.II Dt. May 9 th , 2005	05
3	No. J-11011/383/2006-IA.II(I) Dt. May 16 th , 2007	08
	Plant & Mines	
4	No. J-11011/1044/2007-IA-II(I) Dated 20 th Jan, 2010	10
	Mines	
5	No. J-11015/98/2004-IA.II(M) Dt. 28 th March 2005	05
6	No. J-11015/328/2006-IA.I(M) Dt. April 4, 2007	05

Kindly find the enclosed details for your perusals.

Thanking You,

Yours faithfully,

For Vasavadatta Cement,

For Kesoram Inds. Ltd.,

CIN of KIL-L17119WB1919PLC003429

(U. Venkatpati Raju) Chief Manufacturing Officer

> Kesoram Industries Limited Cement Division

Unit: Vasavadatta Cement Works: Post. Sedam - 585 222.

Tq. Sedam, Dist. Kalaburagi, Karnataka

Registered Office: Birla Building, 8th Floor, 9/1, R.N. Mukherjee Road, Kolkata-700 001

CIN - L17119WB1919PLC003429

P + 08441 - 276005 / 276391

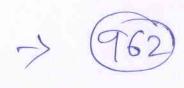
Corporate Office:

E: corporate@kesoram.net



Cc:

- The Additional Principal Chief Conservator of Forests (C),
 Ministry of Environment, Forests & Climate change,
 4th Floor, E & F Wing, Kendriya Sedan,
 Koramangala, Bangalore 560 034.
- Secretary to Government,
 Department of Ecology & Environment,
 Government of Karnataka,
 7th floor, Multistoried Building,
 Bangalore 560001.



Chairman,
 Central Pollution Control Board,
 Parivesh Bhawan, CBD-cum-Office Complex,
 East Arjun Nagar,
 New Delhi – 110 032.



4. The Member Secretary,
Karnataka State Pollution Control Board,
49, 4th & 5th floor,
Parisara Bhavana,
Church Street,
Bangalore – 560 001.



5. Environmental Officer, Karnataka State Pollution Control Board, Plot No.12/2, Sy.No.19/P, Mansafdar Layout, M.G.Road, Santraswadi Kalaburagi- 585101

Office copy — (Envi. Dept)

Office copy → (Mines. Dept)

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HALF YEARLY COMPLIANCE REPORT FOR ENVIRONMENTAL CLEARANCES (PLANT AND MINES)

(April -2023 to September -2023) 1st Half



S.No.	• EC Number and Date
	Plant
1	No. J-11011/11/95- IA.II Dt. September 6 th , 1995
2	No. J-11011/22/2005-IA.II Dt. May 9 th , 2005
3	No. J-11011/383/2006-IA.II(I) Dt. May 16 th , 2007
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	Mines
5	No. J-11015/98/2004-IA.II(M) Dt. 28 th March 2005
6	No. J-11015/328/2006-IA.I(M) Dt. April 4, 2007

Kesoram Industries Ltd. – Cement Division Unit: Vasavadatta Cement Post: Sedam - 585222

Dist: Kalaburagi Karnataka







DETAILS FOR CORRESPONDENCE

1.	Name & Address of concerned person	U.Venkatpati Raju Chief Manufacturing Officer M/s. Vasavadatta Cement (Prop: Kesoram Industries Ltd.) Sedam, Kalaburagi District Karnataka – 585 222
	STD Code, Phone No.	08441 - 276006
H	Fax No.	08441 - 276139
	E-Mail Address	uv.raju@kesoram.com
	Company Website	https://www.birlashakticement.com
	Environment	Management Cell
2	Name & Address of concerned	Mr.Shambuling.V.Patil
	person	HOD-Environment Dept.
	STD Code, Telephone no.	08441 - 276006 Extn: 481
	E-Mail Address	vc.environment@kesoram.com
3	Name of the person	Mr.Sandesh.yargol-Asst.Officer
4	Name of the person	Mr.Kalikavai Edukondalu-Officer
	Telephone no.	08441 - 276006 Extn: 481

GPS LOCATION OF VASAVADATTA CEMENT

PLA	ANT
Latitude	17° 05′ - 17° 15′ N
Longitude	77° 15′ - 77° 20′ E
MIN	ES
Latitude	17° 03′ - 17° 15′ N
Longitude	77° 08′ - 77° 20′ E

	Daint Wise	M/s.VASAVADATTA CEMENT Compliance Report to Ministry Of Environment and Forests
		EF EC No: J-11011/11/95-IA.II (I) Dt. September 6th 1995
S.No	Conditions	Compliance statement
i.	stipulations made by the State Government and Karnataka State Pollution Control Board.	All the stipulations laid down by State Pollution Control Board & State Govt are been strictly followed.
II.	Any further expansion of the plant or process modifications having bearing on pollution potential can be taken up only with the prior approval of this Ministry.	For any process modifications of the plant or Expansion, approval will be taken from ministry.
iii.	The project authorities should commission a post expansion comprehensive EIA study within six months of commissioning of plant covering one year data (4 seasons) and submit the report to this Ministry within 15 months of commissioning of the study.	The EIA report has been submitted vide our letter Nos. VC /WS/ENV/CKJ/00/756C, Dt.02.03.2000 and VC / ENV/CKJ/99/422C, Dated. 29.10.99.
iv.	emissions in the existing plant to keep them within the prescribed limits including clinker cooling section and cement packing units.	In Vasavadatta cement Concrete roads were paved at colony, Cement plant and CPP areas, 08 no's Truck mounted sweeping machines are used for good housekeeping, Bag filters are installed at Transfer points, Vaccum cleaning device is installed at Packing Plant area and Water sprinklers are installed to control fugitive emissions.
V.	conform to the standards prescribed by the competent authorities or in the EPA 1986 or as will be prescribed from time to time. At no time emission of particulates from the stacks of Unit-II should exceed the limit of 50 mg/Nm ³ .	
	project proponent that the pollution control equipment will be designed to achieve operation	In order to achieve operation efficiency of less than 50 mg/Nm3, Vasavadatta Cement has been carried out Conversion of ESP to Bag House in respect of particulate emissions from the various stacks, for which letter has been submitted to KSPCB Bangalore, vide our letter No. VC /WS/ENV/CKJ/F27A (ENV), Dated. 01.03.2014. Also additional measures has been taken for reduction in dust emission levels less than 30 mg/Nm3 by replaced the existing RABH bags with fibre glass acid resistance with membrane lamination bags to maintain the emission levels as per MoEF & CC norms Vide GSR 496(E) & 497 (E) dated 09/05/2016 & 10/05/2016 respectively.

	Interlocking arrangement should be provided so that in the event of non-functioning of the pollution control equipment (s), the main plant gets automatically shut down. Also in the event of failure of any pollution	equipment i	arrangem from our C	ent is incor Captive pow	porated in a er plant to f	all the units facilitate un	.Power ar ninterrupt	rangei ed ope	ment i eration	s made	to all p	ollution	contro	1
	control system adopted by the unit, the respective unit should be put out of operation immediately and should not be restarted until the control systems are rectified to achieve the desired efficiency.	-												
vi.	The project authority should not change any design of stacks without the permission of the State Pollution Control Board.	Board.												
	At least three air quality monitoring stations for measuring of particulate matters should be set up in the down wind direction, as well as where maximum ground level concentration is anticipated, in consultation with State Pollution Control Board.	Five Air Qua are submitted regularly to the latest re The Min, M	ed to the S The Additi port subm	state Polluti ional Princip nitted, Vide Values of Pl	on Control I pal Chief Co our letter n M10,PM2.5,	board on m nservator o o VC/WS/E SO2 & NOx	nonthly ba of Forests NV/23-24 of for the p	sis and -Regio /834 [d half nal Of Dated: April '2	yearly r fice of 12.10.2 2023 to	the min 2023 Sept '2	are bein istry at E 023 is as	g subm Bangak s follov	ore, /s:-
	and the second section of the section	e kini s ni	Rand hoe	PM ₁₀ in μg/m		Pf	Λ _{2.5} μg/m ³		HULL	SO ₂ μg/r	n*	N	Ox μg/m	
vii.	and the property of the party o	Location	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
200		Mines office	67	86	78	27	57	45	8	14	12	9	15	13
	The second secon	Power Plant	68	86	78	27	57	45	7	15	12	9	15	13
		Staff Club	65	86	77	25	57	43	6	14	11	8	16	13
		Dairy Farm	65	86	77	26	57	43	7	15	11	8	15	12
		Lions Bhavan	64	85	77	25	56	44	7	15	12	8	16	13
				Pr. Cr de	.1- 2000 1-	- d t - i - 1 / D -	sidential/P	ural or	PM ₁₀		PM _{2,5}		5O ₂	NOπ
	and the state of sold and address of the state of the sta	National Amother areas						ui ai Ui	100		60	- helf	80	80
	Also Stack emission should be monitored by setting up automatic stack monitoring unit.	Continuous Emission da	Emission I ta is being	monitoring transferre	systems are d regularly t	installed to CPCB ser	o all majo ver and Si	r stack PCB se	s in Varver.	asavada	atta Cen	nent. Or	line St	ack
	Air quality and stack emissions should be monitored			emissions ar			_							

	Fugitive emissions of particulate matters should be monitored regularly. The data collected should be statistically analyzed, interpreted and submitted to the State Pollution Control Board once in three months and this Ministry once in every six months.	Pollut 24/F1 plant filters sprink	ion Control Bo -834 dated: 12 and CPP areas, are installed at	ard and No.10.2023. OB no's True Transfer ped to cont	Ministry. Lat In Vasavada ack mounted oints, Vaccu rol fugitive e	est submit atta cemer d sweeping am cleaning emissions.	tted repored t Concret machines g device is	data collected is submitted to the State t vide our letter no VC/WS/ENV/2023-e roads were paved at colony, Cement are used for good housekeeping, 23 Baginstalled at Packing Plant area and Water
viii	Noise levels in the working Environment should not exceed the limit of 85 dB (A) on 8 hourly exposure basis.	Blowe screw Noise	ers and Compre compressors v levels of Moto	essors have vith acous rs are redu	e been segre tic enclosure aced by repla	egated and e. In CPP a acing with	d housed i III turbines FRP blade:	85 dB (A). Noise generating sources like in secluded buildings. We have selected are provided with Acoustic enclosures, in place of aluminium blades.
ix.	A green belt of adequate width and density should be developed all around the plant on scientific basis using native plant species in consultation with the local DFO. About 1500-2000 plants per ha. Of land should be raised in the proposed green belt.	specie Neem D. Sis	es are being use , Tulsi, Marva,	ed for plan Lemon Gra Details of	tation:- iss, Lentana Tree Plantat	Hedge, Pe	ltophoram avadatta C	ase wise manner. The following native n, Pongamia, Cassia Sp, Banyan, Pipal, , ement Colony, Factory and Mines area ws:
			Year	Colony	Factory	Mines	Total	SECTION AND THE PARTY OF THE PA
	and the state of t	211 70	2009-10	2500	1000	5500	9000	
			2010-11	2400	1490	6565	10455	
		N EST	2011-12	3060	3115	3140	9315	HE SEE THE PARTY NAMED IN
	and a series of the series of	TAILE I	2012-13	2055	2135	2075	6265	
	And the second s		2013-14	2914	6577	24027	33518	and then by quarter and party agency
	The second of the first and or compare to the second		2014-15	1865	544	4516	6925	
			2015-16	1973	6380	4224	12577	
			2016-17	9856	9090	6994	25940	
			2017-18	9983	11262	4075	25320	
	THE STREET OF THE PERSON NAMED IN COLUMN 2		2018-19	5204	5317	2977	13498	the Month or product of
			2019-20	3404	3329	1995	8728	politicus settind you stronger.
	The second secon		2020-21	220	290	2340	2850	PILL OF THE OWNER OF THE PERSON WAS IN
	the state of the s		2021-22	1110	520	3260	4890	Will all the land the second will
	make 1921 and assembly specially sales and have been		2022 23	2470	279	2380	5129	The section of the section
			2023-24 (As on Sep)	1650	1438	4150	7238	Personant City of page 17

Х.	Environmental lab should be established with adequate number and type of pollution monitoring (ambient and stack) and analysis equipment in consultation with the State Pollution Control Board.	The Environmental Lab is equipped with 2 nos. of Stack Monitoring kits (Vayubodhan Stack Kit), 5 No. of AAQ equipments (Envirotech APM 550 to monitor PM ₁₀ ,PM _{2.5} ,SO ₂ & NO _x), 3 No's Personal sampler, Noise level meter, B.O.D, incubator, DO meter, Spectrophotometer, Quintox gas Analyzer, along with all necessary chemicals and glass wares.
xi.	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided adequate training and information on necessary safety and healthy aspects.	Personnel Protective Equipment is provided to all workers working in the given on necessary safety and healthy aspects.
xii.	Occupational health surveillance programme of the workers should be undertaken periodically to observe any contraction of respiratory diseases amongst the workers due to exposure to dust.	The Occupational Health Centre is fully equipped with 3 No's Ambulances 1 is with equiped with advance life support and other 2 are with normal with O2 support and life support drug, we have back support oxygen cyliders, Oxygen concentrator, Pharmacy, Genral ward with day care, Clinical laboratory, ECG, Spirometer, audiometer, Pulseoximeter and nebulizer, Digital X-Ray machine 300MA, Vission test is out source by opthamology. (Following health checkups are being carried out at our OHC centre periodically for staff & workers, Lung function test & Sputum analysis is being done).
xiii.	A separate environmental management cell with suitably qualified personnel to carryout various functions should be set up under the control of senior executive who will report directly to head of the organization.	Environment cell is provided with well qualified Engineers holding P.G in Environment to carryout various activities like Stack Emission Monitoring, Ambient Air Quality monitoring, Noise monitoring at plant boundaries and machineries, Report preparation and Compliances etc., The Environment Cell is set up under senior Executive of Head-Environment who is reporting directly to Chief Manufacturing Officer.
xiv.	The funds earmarked for environmental protection measures should not be diverted for other purposes and year-wise expenditure should be reported to this Ministry.	The funds earmarked & year-wise expenditure reports for environmental protection measures for the financial year 2022-23 is submitting regularly to MoEF, the latest report submitted Vide our letter no.VC /WS/MINE/UVR/66-B/2023-24 dated 25.05.2023 and funds are not diverted for any other purposes.
xv.	The regional office of this Ministry located at Bangalore will monitor the implementation of the above conditions. Necessary facilities for undertaking for monitoring work may be provided to the staff of the Regional office.	Vasavadatta Cement will provide the necessary facilities to the staff of the Regional office or for the authorities who will undertake monitoring.
2	The Ministry or any other competent authority may stipulate any further condition(s) after reviewing the environmental monitoring reports etc.	All the stipulations made by Ministry or any other competent Authorities for further conditions are strictly followed after reviewing the environmental monitoring reports.
3	The above conditions will be enforced, inter alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 the Air (Prevention and Control of Pollution) Act, 1981 the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules	Vasavadatta Cement will implement the above said conditions under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 the Air (Prevention and Control of Pollution) Act, 1981 the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.

		M/s.VASAVADATTA CEMENT
E	Point	Wise Compliance Report to Ministry Of Environment and Forests
		Vide MoEF EC No: J-11011/22/2005-IA.II Dt. May 9th 2005
S.N o	Conditions	Compliance statement
	Specific condications	
i.	The gaseous and particulate matter emissions from various units shall conform to the standards prescribed by the State Pollution Control Board. At no time the particulate emissions should exceed 50 mg/Nm ³ . Further, the Company may also take appropriate additional measures to improve the design and operating practices of the pollution control equipment Trappings in kiln ESP shall be minimized. Interlocking facility shall be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the respective units are shut down automatically.	The gaseous and Particulate matter emissions from various units are meeting the standards prescribed by the Stat Pollution Control Board. Additional measures have been taken to control of particulate matter by replaced the existing RABH bags with fibr glass acid resistance with membrane lamination bags to maintain the emission levels less than 30mg /Nm3. Interlocking arrangement has been incorporated in all the units. We have replaced ESP'S with Bag houses for Kiln to avoid ESP tripping.

Monitoring of AAQ and stack emissions are being carried out as per the SPCB guidelines & monthly reports are Ambient Air Quality including ambient noise levels being submitted to SPCB, half yearly reports are being submitted regularly to The Additional Principal Chief must not exceed the standards stipulated under Conservator of Forests -Regional Office of the ministry at Bangalore, the latest report submitted Vide our letter no EPA/State authorities. Monitoring of ambient air VC/WS/ENV/23-24/F1/834 dated: 12.10.2023. The Min, Max & Avg. Values of PM10,PM2.5,SO2 and NOx for the quality and stack emissions shall be carried out period April'2023 to September'2023 is as follows:regularly in consultation with SPCB and report submitted to the Board quarterly and to the $PM_{2.5} \mu g/m^3$ SO₂ µg/m³ PM₁₀ in µg/m³ Location Ministry (Regional Office at Bangalore) half yearly. Min Max Min Max Avg Min Max Avg Min Avg Automatic stack monitoring system shall be 8 14 12 57 45 14 86 78 27 Mines office 67 installed in the major stacks of the plant. 27 57 45 7 15 15 12 78 68 86 Power Plant 11 25 57 43 6 14 14 65 86 77 Staff Club 15 26 57 43 7 15 11 77 65 86 Dairy Farm 7 15 15 12 85 77 25 56 44 64 Lions Bhavan PM₁₀ PM_{2.5} National Ambient Air Quality Standards - 2009 Industrial/Residential/Rural or other areas(24 hourly average in 60 100 $\mu g/m^3$) for PM10, PM2.5, SO₂, NO_X The Ambient Noise levels at Plant Boundaries for the Month of July -2023 are :ii. Lnight Lday (10.00 PM Monitorin (6.00 AM to Limit Limit Zone to 06.00 g Location 10.00 PM) AM) Kamalavat 63 53 hi river (E) Lorry yard 53 gate-02 68 (W) Industrial 70 75 Power Zone dB(A) 61 70 plant (N) STP area 58 48

NOx μg/m³

Max

8.5

8.5

7.9

8

80

SO2 NOx

Avg

15

15

16

15

16

80

64

54

Towards

Mines (NE)

	The company shall install adequate dust collection	Bag Filters	are installed	to contro	l fugitive du	ust emissions at various transfer points. The dust collected from
	and extraction system to control fugitive dust	Pollution C	Control Equip	ment is re	cycled back	k into process at appropriate stages.
	emissions at various transfer points. Company		terials are st			
	shall provide bag filter at all dry material conveyor					
			er Hopper.			
	pollution control equipment shall be recycled back	ii. L.S.Crus	her BC-2 and	BC-4 discl	narge end (Lime Stone Conveying Belts)
iii.	into the process. Storage of raw material shall be	iii. Wagon	Tippler Hop	per in Coal	Handling S	ystem during loading and unloading of wagons
	in closed roof sheds. Water sprinkling	3. Water s	prinkling on	blasted he	aps and on	haul roads is used to reduce dust.
	arrangement shall be made in the raw material					
	stock yard and cement bag loading areas.					
	The coal storage area shall be covered and water	Coal is sto	red under co	vered she	d water spr	inkiling system is provided at wagon tippler area during unloading of
	spraying arrangements shall be made to control	coal to cor	troal fugitiv	e dust emi	ssions. Late	est two nos of M/S NIVIS,ITALY Dust Suppression System are procurred
	the fugitive dust emissions.	One is use	d at cement	plant at ur	loading of	raw materials like coal and the other one is latest mounted
iv.	the rughtive dust critissions.	system.us	ed at limesto	ne mines.	These equi	pments are based on Water Mist Technology used to controal fugitive
						ng and unloading.
v.	The company shall install bag filters to control the	Bag filters	are provided	In all the	coal grindin	ng units. Electrostatic Precipitators (ESP's) with three phase
	emissions from the coal grinding units. Further,	transforme	ers are insta	lled at all t	ne stacks o	f CPP. The Outlet concentrations of particulates are below 50 mg/Nm
	emissions from the stack of CPP shall be	The Min, N	/lax & Avg Va	alues for th	e period A	pril -2023 to September-2023 is as follows:-
	controlled by installation of ESP. The outlet					
	concentration of particulates shall not exceed 50	Unit	Min(mg/N		Avg(mg/N	
	mg/Nm ³ .	Offic	m³)	Nm³)	m ³) *	
		CPP-I	19	26	23	
		CPP-II	NR	NR	NR	
		CPP-III	18	27	23	
		CPP-IV	22	25	24	
		CPP-V	17	27	22	
			50 mg/Nr	m³ as per M	DEF & CC	
		Limit	notification	S.O 3305(E) dated 7 th	
				Dec 2015		
	The company shall use fly ash up to 35% from the	Vasava <mark>d</mark> at	ta Cement is	utilizing F	ly ash as pe	er BIS Standards, 100% Fly ash generated at Captive Power Plant is us
vi.	The company shall use fly ash up to 35% from the proposed captive power plant for manufacturing	Vasavadat for manufa	ta Cement is acturing of P	utilizing F	ly ash as pe zzolana cer	er BIS Standards, 100% Fly ash generated at Captive Power Plant is usment.

vii.	No discharge of treated effluent shall be done outside the premises and all the treated effluent shall be utilized for green belt development and other plant related activities.	total treated water is used for Greenbert development at colony, Flant and Milles.
viii	As per charter on Corporate Responsibility for Environmental Protection in respect of cement industries, the company shall reduce CO ₂ emission to 0.75 tonne/tonne of cement production. Action plan in this regard shall be submitted to the Ministry.	
ix.	The company shall develop green belt in an area of 5.25 ha in addition to 92.46 ha already brought under the green belt development. Central Pollution Control Board guidelines must be followed in planning and developing green belt and selection of species etc.	As per Central Pollution Control Board guidelines Vasavadatta Cement is developing Green Belt accordingly by following the guidelines & selecting the species. The Total trees planted in M/s. Vasavadatta Cement from April' 1983 to September' 2023 are 6,15,343 out of which 3,49,913 trees are survived with a Survival rate of 57 %.
х.	The company must harvest the rainwater from the rooftops and storm water drains to recharge the ground water.	Rain water collected from the roof top and surface runoff is diverted by drains to the rain water harvesting pit at power plant. At mines, Sump is developed in to Mines pit, for storage of rain water in order to use the stored water during lean period. Garland drains are cut around the quarry channelizing the rainwater from the catchment area with capacity of 40 Lakh m ³ .

3. G	eneral Conditions	0.													
i		Noted & will All the stipula			State Pollu	tion Contr	ol Board	& State	Govt	are be	en strict	ly follo	wed.		
ii	this Ministry.	No further Ex										- 1			-
	stations should be established in the downward direction as well as where maximum ground level	Five ambient monitoring is concerned St the ministry	being dor ate Pollut	ne regularl ion Contro	ly and the ol Board an	data of An d Additior	nbient Air nal Princip	· Qualit oal Chie	y & St f Cons	ack em servato	ission is or of Fore	being : ests -Re	submit egional	ted to Office	of
	anticipated in consultation with the Karnataka	24/ F1/834 d The Min, Ma	ated: 12.1 x & Avg. V	.0.2023. alues of PN	M10,PM2.	5,SO2 & N	Ox for th			il '2023	to Sept				
	anticipated in consultation with the Karnataka State Pollution Control Board. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional	24/ F1/834 d The Min, Ma:	ated: 12.1 x & Avg. V	0.2023. alues of PN	M10,PM2.	5,SO2 & N	Ox for th	e perio	d Apr	il '2023 so₂ μg/	to Sept	N	Ox μg/m	3	
iii	anticipated in consultation with the Karnataka State Pollution Control Board. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bangalore and the State Pollution Control	24/ F1/834 d The Min, Ma:	ated: 12.1 x & Avg. V	O.2023. Falues of PN PM ₁₀ in µg/m ³ Max	M10,PM2.	5,SO2 & N Pl Min	Ox for th M _{2.5} μg/m ³ Max	e perio	d Apr	il '2023 \$0 ₂ μg/	to Sept				
Ш	anticipated in consultation with the Karnataka State Pollution Control Board. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bangalore and the State Pollution Control Board / Central Pollution Control Board once in six	24/ F1/834 d The Min, Ma:	ated: 12.1 x & Avg. V	0.2023. alues of PN	M10,PM2.	5,SO2 & N	Ox for th	e perio	d Apr	il '2023 so₂ μg/	to Sept	N Min	Ox µg/m Max	3 Avg	
III	anticipated in consultation with the Karnataka State Pollution Control Board. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bangalore and the State Pollution Control	24/ F1/834 d The Min, Max Location Mines office	ated: 12.1 x & Avg. V P Min 67	0.2023. Falues of PN PM ₁₀ in μg/m ³ Max 86	M10,PM2. Avg 78	5,SO2 & N PI Min 27	Ox for th M _{2.5} μg/m ³ Max 57	Avg 45	Min 8	SO ₂ μg/ Max	to Sept	Min 9	Ox μg/m Max 15	Avg	
Ш	anticipated in consultation with the Karnataka State Pollution Control Board. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bangalore and the State Pollution Control Board / Central Pollution Control Board once in six	24/ F1/834 d The Min, Ma: Location Mines office Power Plant	Ated: 12.1 x & Avg. V Min 67 68	0.2023. falues of PN M ₃₀ in μg/m ³ Max 86 86	M10,PM2. Avg 78 78	5,SO2 & N Pi Min 27 27	Ox for th M _{2.5} μg/m ³ Max 57	Avg 45 45	Min 8	SO ₂ μg/ Max 14	to Sept	Min 9	Οχ μg/m Max 15	Avg 13 13	
ш	anticipated in consultation with the Karnataka State Pollution Control Board. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bangalore and the State Pollution Control Board / Central Pollution Control Board once in six	24/ F1/834 d The Min, Ma: Location Mines office Power Plant Staff Club	Ated: 12.1 x & Avg. V Min 67 68 65	CO.2023. Calues of PN CM ₁₀ in μg/m ³ Max 86 86 86	Avg 78 78	5,SO2 & N Pi Min 27 27 25	Ox for th M _{2.5} µg/m ³ Max 57 57	Avg 45 45 43	Min 8 7 6	SO ₂ μg/ Max 14 15	Avg 12 11	Min 9 9 8	Ox μg/m Max 15 15	Avg 13 13 13	
Ш	anticipated in consultation with the Karnataka State Pollution Control Board. Data on ambient air quality and stack emission should be regularly submitted to this Ministry including its Regional Office at Bangalore and the State Pollution Control Board / Central Pollution Control Board once in six	24/ F1/834 d The Min, Max Location Mines office Power Plant Staff Club Dairy Farm	Ated: 12.1 x & Avg. V Min 67 68 65 65	CO.2023. Calues of PN Company Max Ref Ref Ref Ref Ref Ref Ref Re	Avg 78 78 77 77	5,5O2 & N Pi Min 27 27 25 26 25	Ox for th M _{2.5} μg/m ³ Max 57 57 57 56	Avg 45 45 43 43 44	Min 8 7 6 7 7	SO ₂ μg/ Max 14 15 14	Avg 12 11 11	Min 9 9 8 8 8 8	Ox μg/m Max 15 15 16	Avg 13 13 13 12	

	collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th	collected &	treated as I	per GSR 42	2 (E) star	dards & Ce	is utilized for plantation The wastewater is being properlement manufacturing process. The analysis mples from ETP outlet for the month of July -2023 is tabu
	amended from time to time. The treated wastewater should be utilized for plantation		S No	Characte ristics	Actual	Stipulate d	
	purpose.		1	рН	8.15	5.5 to 9.0	
iv			2	TSS, mg/I	15.9	20	Tanana and
V	TO THE PARTY OF TH		3	Oil & Grease, mg/l	2.5	10	
	motern at the transfer of the same	Also th	e analysis v	alues for th			ated sewage samples at the outlet of STP for the month of STP for the mo
			S No	Characte ristics	Actual	Stipulate d	
			1	BOD	6	10	The state of the s
			2	TSS, mg/l	14	20	
	The overall noise levels in and around the plant area should be kept well within the standards 85 dB (A) by providing noise control measures including acoustic hoods, silencers,	(Protection secluded b with Acous) Act.Noise uildings. We tic enclosure	generating have sele es. Noise le	sources cted scree evels of M	like Blowers w compress lotors are r	e within the prescribed standards under Environmental is and Compressors have been segregated and housed in sors with acoustic enclosure. In CPP all turbines are proveduced by changing Air cooling fans & Shell cooling fans evel monitoring for the Month of September-2022 is as
	enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under Environmental (Protection) Act, 1986 Rules, 1989 viz.75 dB(A) (day time) and 70 dB(A) (night time).	Zone	Monitoring Location	Lday (6.00 AM to 10.00 PM)	Limit	Lnight (10.00 PM to 06.00 AM)	Limit
			Kamalavathi river (E)	63.2		52.8	A I I I

	Lorry yard gate-02 (W)	68.5		53.6		
Industria Zone	Industrial Power plant (N)	7()		61	70	
dB(A)	STP area	58.6		48.3	70	
	Towards Mines (NE)	64.3		54.1		

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vi	Proper housekeeping and adequate occupational health programmes must be taken up. Occupational Health Surveillance programme should be done on a regular basis and records maintained. The programme must include lung function and sputum analysis tests once in six months	Two TPS 3D machines & Six truck mounted system are operated for road sweeping in plant and colony. Apart from this manually operated floor sweeping machines are in operation in order to maintain good housekeeping. The Occupational Health Centre is fully equipped with Ambulances 2 No's, clinical laboratory, ECG, X-ray, spirometer, audiometer, ultrasound scanning, eye testing equipment, pulseoximeter and nebulizer. Following health checkups are being carried out at our OHC centre for staff & workers Lung function test & Sputum analysis is being done Once in six months and all records are maintained.
vii	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the Environmental Impact Assessment/ Environmental Management Plan.	Vasavadatta Cement is complying & safeguarding all the environmental protection measures recommended in the Environmental Impact Assessment/ Environmental Management Plan.
viii	A separate environmental management cell with full-fledged laboratory facilities to carry out various management and monitoring functions should be set up under the control of Senior Executive.	Environment cell is provided with well qualified Engineers holding P.G Degree in Environment to carryout various activities like stack emission monitoring, Ambient air quality monitoring, Noise monitoring at plant boundaries and machineries, Report preparation and Compliances etc.,. The Environment Cell is set up under senior Executive of Head-Environment who is reporting directly to Chief Manufacturing Officer
ix	The project authorities will provide separate funds both recurring and non-recurring to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided should not be diverted for any other purposes.	Vasavadatta Cement has provided separate funds for both recurring and non-recurring in order to implement the conditions stipulated by the Ministry of Environment and Forests and in any condition the fund will not be diverted for any other purposes.
х	The Regional Office of this Ministry at Bangalore / Central Pollution Control Board/ State Pollution Control Board will monitor the stipulated conditions. A six monthly compliance report and the monitored data along the statistical interpretation should be submitted to them regularly.	A six monthly compliance report and the monitored data along the statistical interpretation are being submitted to The Additional Principal Chief Conservator of Forests -Regional Office of the ministry at Bangalore, KSPCB Bangalore & R.O Kalaburagi. The last submitted report of all EC compliance vide our letter no. VC/WS/ENV/2023-24/F-218 dated 11.05.2023 for the period October -22 to March-23. The recent statistical interpretation is submitted Vide our letter no VC/WS/ENV/23-24/ F1-834 dated: 12.10.2023.

xi	The Project Authorities should inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Vasavadatta Cement will inform the date of financial closure & date of commencing the land development work to Regional Office as well as the Ministry.
xii	The Project Proponent should inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State Pollution Control Board/ Committee and may also be seen at Website of MoEF at http//envfor.nic.in. This should be advertised within seven days from the date of issue of the	Vasavadatta Cement has informed the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in. After issuance of the clearance, Clearance letter has been published in two local newspapers in the vernacular language.
	clearance letter at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the	1) Deccan Herald
	locality concerned and a copy of the same should be forwarded to the R. O.	2) Prajavani and the copies of the same have been forwarded to the R. O.

3	The Ministry or any competent authority may stipulate any further condition(s) on receiving reports from the project authorities. The above conditions will be monitored by the Regional Office of this Ministry located at Bangalore.	Vasavadatta Cement will abide the stipulations made by Ministry / competent Authority on receiving reports. The above conditions can be monitored by the Regional Office of this Ministry located at Bangalore.
4	The Ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.	Vasavadatta Cement has implemented and fulfilled all the conditions mentioned above satisfactorily.
5	Any other conditions or alteration in the above conditions will have to be implemented by the project authorities in a time bound.	Vasavadatta Cement will implement the above conditions / alterations in a time bound manner.
6	The above conditions will be enforced, inter alia under the provisions of the Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules	Vasavadatta Cement will implement the above said conditions under the provisions of the Water (Prevention and Control of Pollution) Act 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act 1986, and the Public Liability Insurance Act 1991 along with their amendments and rules.

	and taking referred to a property	M/s.VASAVADATTA CEMENT				
	Point Wise Co	ompliance Report to Ministry Of Environment and Forests				
Vide MoEF EC No: J-11011/383/2006-IA.II (I) Dt.16th May, 2007						
S.No	Conditions	Compliance statement				
A.Spe	cific Conditions					
i.	The gaseous emissions from various units shall conform to the standards prescribed by the concerned State Pollution Control Board (SPCB) or by the Ministry, whichever is stringent. Bag filter system shall be provided for flue gas instead of conditioning towers. SPM emission from all the stacks, including CPP will be <50 mg/m³. The CPP will be based on AFBC technology and will preferably have Air Cooled Condenser System for cooling of water for CPP.	The gaseous and Particulate matter emissions from various units are meeting the standards prescribed by the State Pollution Control Board. Bag filter system is incorporated for flue gas at all kiln stacks instead of gas conditioning towers and the SPM emission from all the stacks, including CPP will be <50 mg/Nm3. Air cooled condensers are installed at CPP in for cooling of water.				
ii.	The unit shall use the high calorific hazardous waste in their kiln. The relevant designed factors shall be incorporated at the inception stage itself.	Vasavadatta Cement is using high calorific hazardous waste in its kiln. The relevant design factors are incorporated at its inception stage itself by installing Burner pipe which is capable of handling alternative fuels.				
lila	The predicted values for SO ₂ seems low and will further decrease if the actual sulphur content of 0.4 to 0.5 % is considered. These may be rechecked and submitted to the Ministry with in fifteen days of issue of this letter.	We are using low sulphur content fuels to reduce so ₂ emissions.				
iv.	The height of stack with Unit-IV AFBC will be 88 m, of raw mill, 90 m, of coal mill 100 m, while other stacks will be 30-40 m and CPP, it will be 110 m. Bag house will be installed at all other emission points except the cooler exhaust.	The heights of the stacks are provided as per the standards, Bag houses are installed at all other emission points except the cooler exhaust.				

	Bag filters will be provided at all material handling and transfer locations. Low NOx burners shall be installed to control NOx emissions and lime injection shall be carried out to reduce SO ₂ emissions if required.	Bag filters are provided at all material handling and transfer locations. Low NOx burner is installed to control NOx emissions and lime injection will be carried out to reduce SO2 emissions if required.
V	Continuous on-line monitors for particulate emissions, SO ₂ and NOx in Raw Mill / Kiln, clinker cooler, coal mill, cement mill etc. shall be provided and shall make necessary arrangements for submission of on-line real time emission data to CPCB website. Interlocking facility shall be provided between pollution control equipment and the process operation so that in the event of the pollution control equipment not working if the respective unit (s) is shut down automatically.	Continuous Online Emission monitoring systems are provided for all the major stacks of cement plant and Captive Power plant for monitoring Particulate Emissions, SO2 and NOx. The on-line real time emission data is also being transferred continuously to CPCB, New Delhi and ready to get connected to KSPCB, server from our end. Interlocking facility has been provided between pollution control equipment and the process operation

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vi	carried out. The location of the monitoring stations will be reviewed in consultation with the State Pollution Control Board and additional stations will be installed, if required. It will be ensured that at	Vasavadatta Cement has installed 5 Nos. AAQ stations in consultation with KSPCB and is being monitored regularly and the data collected is being submitted monthly to the Board. We have installed online AAQ station one at upwind direction and other one at downwind direction. As per law, emission details are displayed for public domain at plant main gate. The Min, Max & Avg. Values of PM10,PM2.5,SO2 & NOx for the period April'2023 to September'2023 is as follows -												
			PM ₁₀	in μg/m	3	PM _{2.5}	μg/m³	mm i	SO ₂ I	ıg/m³		NO	13	
	transferred to the CPCB and APPCB regularly. The instruments used for ambient air quality	Location	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	M	Max	Avg
	monitoring shall be calibrated regularly.	Mines office	67	86	78	27	57	45	8	14	12	9	15	13
		Power Plant	68	86	78	27	57	45	7	15	12	9	15	13
		Staff Club	65	86	77	25	57	43	6	14	11	8	16	13
		Dairy Farm	65	86	77	26	57	43	7	15	11	8	15	12
		Lions Bhavan	64	85	77	25	56	44	7	15	12	8	16	13
		National Ambient Air Quality Standards – 2009 Industrial/Residential/Rural or other areas (24 hourly								PM ₁₀ PM			SO ₂	Nox 80
vii	Fugitive emission shall be < 500 mg/m³. Bag filters	Online Ambient Air Quality data is being transferred regularly to CPCB and is ready to get connected from our end to KSPCB server. The instruments used for Ambient Air Quality monitoring are calibrated regularly Regular Monitoring of fugitive dust emissions are being carried out as per the CPCB guidelines.											rated	
	shall be provided for all stacks except CPP Boiler and Cooler where ESP shall be provided. The regular monitoring of fugitive emission shall be carried out by the unit as per the CPCB guidelines.	Bag filters are provided for all the stacks of Cement plant except Cooler and CPP Boiler, where ESP is provided, In order to maintain fugitive dust emission levels < 500 mg/m3												
viii	Raw material will be stored in covered yards and clinker in Silos / covered tanks to control fugitive emissions. Fugitive emissions from cement mill, packing area and coal yard also are controlled.	Covered sheds are provided for raw materials like limestone, Coal, Laterite / Bauxite yards and clinker i stored in silos in order to control fugitive emissions. Bag filters and water sprinklers are provided to control fugitive emissions.									inker is to			

ix Vacuum dust cleaning system will be provided to evacuate dust on floors. All roads will be swept with sweeping machines. Material will be transported in tippers, covered trucks, covered containers, covered rail wagons etc. Dust collectors and extraction system (suction apparatus) shall be installed to control fugitive dust emissions at coal				colony house filters emiss	y. Apart (keeping are insta	from this Suction alled at v	manually operated apparatus is being	d system are operated daily for road sweeping in plant and I floor sweeping machines are in operation for good equipped for Packing plant for control of fugitive dust Bag ansfer points, stockpiles in order to control the fugitive
	and limestone un			r				
10.0	points, stockpiles	to arrest free i	release of dust.	300				THE ANGLE OF SECURE AND ADDRESS OF THE ADDRESS OF T
	12 1 2 1E			4				
	22 10 (1)			E IF				
		EI X I	10 12 1	11	P.	-6.1	milmol	
							n de la company	

Х	Windbreakers will be installed to restrict fugitive dust.	Plantation has been done on the Soil dumped area, near power plant in order to act as windbreaker.						
xi	Water sprinkling arrangement should be made in the raw material stock yard and suction system for cement bag loading areas. Regular water sprinkling shall be carried out at all areas where fugitive dust can be generated.	Latest two no's of M/s NIVIS, ITALY Dust Suppression System are procured. One is used at cement plain order to minimize the fugitive emissions during unloading of raw materials like coal etc and the Ot one is latest truck mounted system which is used at limestone mines. These equipment's are based of Water Mist Technology used to control fugitive emission away from 25 to 50 meters during loading a unloading, water sprinkling system is provided to suppress the dust emissions at required areas. At cement bag loading area, Vaccum cleaning device is used to collect the dust from the packed bag top						
xii	The proposed cooling system for CPP may be decided and submitted along with a detailed water balance resubmitted.	Air cooled condenser system for CPP is adopted in addition to water cooled condenser. Now CPP can run on any one of the system.						
xiii	Acoustic enclosures will be provided at all high noise equipment and place to limit the noise levels below 85 dB (A).	Acoustic enclosures are provided at various locations to control high noise levels below 85 dB (A).						
xiv	Copy of water withdrawal permission from the authority shall be submitted before starting the project.	Vasavadatta Cement has submitted a copy of Kagina water withdrawal permission letter obtained from Minor Irrigation department, vide letter no.No: KNNL/TAMSA-1/SA.EM-6/Vasavadatta Cement-71/2020-21 dated 22-09-2020.						
xv	Note on source wise water withdrawal and status of permissions on this account is needed.	Vasavadatta Cement is permitted to draw water for 238 days in a year from Kagina River at the rate of 17 Lakh gallons per day. Permission letter no.No: KNNL/TAMSA-1/SA.EM-6/Vasavadatta Cement-71/2020-21 dated 22-09-2020.						

xvi	Water requirement will not exceed from 10,869 m³/d. No wastewater will be generated in cement manufacture. he wastewater from CPP and domestic activities shall be treated in Effluent Treatment Plant (ETP) and Sewage Water Reclamation Plant (SWRP) respectively and recycled/reused in cement plant for make-up, in CPP for cooling, dust suppression, other plant related activities and green belt development. No waste water will be released outside the premises. "Zero" discharge shall be strictly adopted. During monsoon, the waste water will be stored in the mine pit. Separate storm water drains will be provided and storm water from CPP area will be stored in a settling tank before discharging into the nala.	The state of the second training of the state of the stat
xvii	Solid waste generated shall be 100 % recycled and reutilized in the process and no solid waste shall be disposed off outside the plant premises. The solid waste will be dumped in the low lying areas and the area thus filled up /reclaimed shall be used for tree plantation.	Vasavadatta Cement has generated 73,060 MT of Fly ash from its Captive Power Plant, from which 100 % is utilized for the production of Portland Pozzolana Cement, during the period April-23 to September-23.

xviii	Vermi Composting shall be adopted for disposing of bio-degradable waste from the domestic sources.	Noted and Complied.
xix	0.226 MMTPA of fly ash generated from CPP will be transported pneumatically to the cement plant fly ash silos and shall be 100% utilized in Portland Pozzolana Cement production. Bottom ash shall	1. Fly ash generated from CPP is transported pneumatically to cement plant from fly ash silo and is utilized 100 % in PPC production, Bottom ash is also being used in cement plant. Treated STP sludge is being used as manure for green belt development.
	also be used in cement plant or used for land filling. Treated STP sludge shall be used as manure for green belt development. Waste oil sludge shall be reused in the plant and finally burnt in the kiln or sold to authorized recyclers / re-processors.	2. Waste oil sludge is reused in the plant & burnt in Kiln/ sold to authorized recyclers / re-processors for which Vasavadatta Cement has a permission.
xx	The company shall strictly follow all the recommendations mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).	Vasavadatta Cement is strictly following the recommendations mentioned in the Charter on Corporate Responsibility for Environmental Protection (CREP).
1	Cement plants which are not complying* with notified standards shall do the following to meet the standards. Augmentation of existing Air pollution control devices- by July 2003. Replacement of existing air pollution control devices- by July 2004. (* Non complying units shall give bank guarantee to respective SPCBs)	Vasavadatta Cement has converted the ESP's of Cement Kiln I & II (older units) to Bag Houses to meet the standards.

2	Cement plants located in critically polluted or urban areas (including 5 km distance outside urban boundary) will meet 100 mg/Nm³ limit of particulate matter by December, 2004 and continue working to reduce the emission of particulate matter to 50 mg/Nm³.	Vasavadatta cement is maintaining the emission level of particulate matter less than 30 mg/Nm³ and is not exceeding the limit prescribed by KSPCB.
3	The new cement kilns to be accorded NOC / Environmental clearance w. e. f. 01.04.2003 will meet the limit of 50 mg/Nm ³ for particulate matter emissions.	As per the CFO issued by KSPCB the limits for particulate matter emissions is 30 mg/Nm³ but Vasavadatta cement is maintaining the emission levels less than 30 mg/Nm³ for all our existing units (Unit-I, II, III & IV).
4	CPCB will evolve load based standards by Dec. 2003.	Recently MoEF & CC has released a new notification on load based standards on 10 th May 2016, for cement plants with co-processing, as per this notification, Vasavadatta Cement is taking all the necessary measures to maintain the particulate matter emission less than 0.125 Kg/tonne of Clinker.
5	CPCB & NCBM will evolve SO₂ and NOx emission standards by June 2004.	As per the notification for SO ₂ and NOx standards issued by MoEF & CC for Cement Plant Vide GSR 612 (E) dated 25 th August 2014 and GSR 496(E) & 497 (E) dated 09/05/2016 & 10/05/2016 and CPP Vide S.O 3305(E) dated 7 th December 2015, Vasavadatta Cement has taken necessary measures & conducted a trial run by adding limestone with Coal @ different compositions for all the Captive Power Plant's in order to reduce the emission levels of SO ₂ . Vasavadatta Cement will carry out the project of limestone feeding with coal @ Captive Power Plant to comply with the standards for SO ₂ .
6	The Cement industries will Control fugitive emissions from all the raw material and products storage and transfer points by Dec. 2003. However, the feasibility for the control of fugitive emissions from limestone and coal storage areas will be decided by the National Task Force (NTF). The NTF shall submit its recommendations within three months.	To control fugitive emissions from limestone and coal storage yards, Vasavadatta cement will abide by the decision of NTF. However closed sheds are provided for limestone & coal stock piles in order to Control fugitive emissions. • Additional 23 small bag filters are installed at various transfer points for controlling fugitive emissions. 1.4 KM length of closed conveyor system is installed from mines crusher to Plant to control fugitive emission. Cement Bag cleaning device is installed at packing plant to control fugitive emission. • Concreting of 40,000 Sq.m area at lorry parking is done in order to reduce fugitive dust emissions.
7	CPCB, NCBM, BIS and Oil refineries will jointly prepare the policy on use of petroleum coke as fuel in cement kiln by July 2003.	Noted & complied VC will abide the policy on usage of petroleum coke as fuel in cement kiln.

8	After performance evaluation of various types of continuous monitoring equipment and feedback from industries and equipment manufacturers, NTF will decide feasible unit-operations / sections for installation of continuous monitoring equipment. The industry will install the continuous monitoring systems (CMS) by December 2003.	Vasavadatta Cement has already installed nine numbers of online continuous Monitoring systems at all major stacks and the data is connected to CPCB Server, New Delhi and connected to KSPCB server.
9	Tripping in kiln ESP to be minimized by July 2003 as per the recommendation of NTF	Vasavadatta Cement has converted the ESP's to Bag Houses for the older units of Unit-I & II Cement Kilns, in order to eradicate tripping. If required Vasavadatta Cement will take all the necessary measures further as recommended by NTF.
10	Industries will submit the target date to enhance the utilization of waste material by April 2003.	Vasavadatta Cement has utilized 100 % of its Fly ash generated from Captive Power Plant during the period April-2023 to September-2023 for Manufacturing of Pozzolona Portland Cement. i.e., 73,060 MT. In addition to this Vasavadatta cement is utilizing fly ash from other industries like YTPS,ADANI,NTPC, PARLI, UDIPI POWER CORP,ARV,STCM,GLOBAL ENGG etc.,
11	NCBM will carry out feasibility study on hazardous waste utilization in cement kiln by December 2003.	In order to utilize hazardous waste in Cement Kiln, Vasavadatta Cement has installed Hot Disc Reactor at Unit-III, which is the first cement industry in Asia to install such advance technology for co-processing of different wastes.
12	Cement industry will carry out feasibility study and submit target dates to CPCB for co-generation of power by July 2003.	The consented capacity of Captive Power Plant is 79.2 MW for co-generation of power, where the generated power is utilized in Both Colony & Cement plant for manufacturing of cement. In case of any Excess generation of Power, the power is exported to KPTCL.
xxi	An additional area of 5.25 ha shall be developed as green belt.	Vasavadatta Cement is developing a green belt for an additional area of 5.25 ha in a phase wise manner
xxii	The company must harvest surface as well as rainwater from the rooftops of the buildings proposed in the expansion project and storm water drains to recharge the ground water and use the same water for the various activities of the project to conserve fresh water.	Vasavadatta Cement, as a part of water conservation measure, rainwater harvesting is being done by collecting the storm water for storage in the mines pit, in order to use the stored water during lean season & to recharge the ground water. Also RWH pits are developed near TPP to harvest rain water from colony & Plant runoff water.

xxiii	Studies on noise dosimeter and audiometry to assess the noise induced hearing loss in case of exposed employees will be carried out and appropriate ameliorative measures will be taken, wherever necessary.	Noise monitoring is done regularly. Ear plugs are provided to employees exposed to noisy areas and Half yearly audiometry & noise dosimeter test is carried out to assess the noise induced hearing loss in case of exposed employees and conservative measures for better improvement are also being taken.
B. Ge	eneral Conditions	
i m	The project authorities must strictly adhere to the stipulations made by State Pollution Control Board (SPCB) and the State Government.	Vasavadatta Cement will adhere to the stipulations made by KSPCB & state government.
ii	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	Vasavadatta Cement will not carry any expansion or modification of the plant without prior approval of the ministry.
	are as in gament asserted forcettened or sich might	name or beautiful or and the formation of the formation of the first or sequent property formation of the first or an article of the formation

iii	Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the SPCB. Regular monitoring shall be carried out for relevant parameters.		Vasavadatta Cement is carrying out effluent quality monitoring in Consultation with the SPCB regular for relevant parameters. Vasavadatta Cement is complying and safeguarding all the environmental protection measures recommended in the EIA/ EMP report.								
iv	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/ EMP report.	recomme									
,	Industrial wastewater shall be properly collected and treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 th May 1993 and 31 st December, 1993 or as amended from time to time.		The wastewater is being properly collected & treated as per GSR 422 (E) standards. Presently, the treated wastewater from power plant is utilized for plantation & Cement manufacturing process. The analysis values for the particulars of industrial wastewater samples from ETP outlet for the month of July-2023 is tabulated below.								
	The treated wastewater shall be utilized for plantation purpose.	Detail	S No	Characteristics	Actual	Stipulated					
	- * SLET L		1	рН	8.15	5.5 to 9.0					
			2	TSS, mg/I	14	20					
			3	Oil & Grease, mg/l	2.5	10					
		100	twig.	1095							
			Also the analysis values for the particulars of Treated sewage samples at the outlet of STP f month of July-2023 is tabulated below.								
			S No	Characteristics	Actual	Stipulated					
			1	BOD	7.44	10					
		н.	2	TSS, mg/l	15.9	20					

vi	The overall noise levels in and around the plant area shall be limited within the prescribed standards 85 dB(A) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation.	buildings. Vasavada silencers for Unit-3 Compressors have compressors with a	atta Cement I & 4 cement been segrega acoustic enclo e reduced by ades.	has installed plants to red ated and hou osure. In CPP changing Air	screw con luce noise sed in sec all turbin r cooling f	mpressors le levels. No cluded buil les are pro- fans & Shel	with acoust ise generati dings. We h vided with A I cooling far	ed and housed in seclude ic enclosure and fans with ng sources like Blowers at ave selected screw acoustic enclosures. Noise as aluminium blades are
		Zone	Monitorin g Location	Lday (6.00 AM to 10.00 PM)	Limit	Lnight (10.00 PM to 06.00 AM)	Limit	
	WHOLE S	1 100	Kamalava thi river (E)	63		52		
			Lorry yard gate-02 (W)	68		53		
		Industrial Zone dB(A)	Power plant (N)	70	75	61	70	
		A zatalenia esta	STP area (S)	58		48		-
		T Gradie	Towards Mines	64		54		

(NE)

vii	Proper Housekeeping and adequate occupational health programs shall be taken up. Regular Occupational Health Surveillance Programme shall be carried and records shall be maintained properly for at least 30-40 years. The programme shall include lung function and sputum tests once in six months. Sufficient preventive measures shall be adopted to avoid direct exposure to dust etc.	Two TPS 3D machines & Six truck mounted system are operated for road sweeping in plant and colony. Apart from this manually operated floor sweeping machines are in operation in order to maintain good housekeeping. The Occupational Health Centre is fully equipped with Ambulances 2 No's, clinical laboratory, ECG, X-ray, spirometer, audiometer, ultrasound scanning, eye testing equipment, pulseoximeter and nebulizer. Following health checkups are being carried out at our OHC centre for staff & workers Lung function test & Sputum analysis is being done Once in six months and all records are maintained.
viii	A separate environment management cell with full fledge laboratory facilities to carry out various management and monitoring functions shall be set up under the control of a Senior Executive.	Environment cell is provided with well qualified Engineers holding P.G in Environment to carryout various environmental monitoring activities, stack emission monitoring, Ambient air quality monitoring, Noise monitoring at plant boundaries and machineries, Report preparation and Compliances etc.,. The Environment Cell is set up under senior Executive of Head-Environment who is reporting directly to Chief Manufacturing Officer

ix	As proposed in the EIA/EMP, Rs 28.00 Crores and Rs. 04.20 Crores/annum earmarked to meet the capital and recurring cost/annum respectively for the environmental protection measures shall be used judiciously to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. The funds so provided shall not be diverted for any other purpose.	The amount proposed in the EIA/EMP/annum towards earmarked funds for environmental protection measures is used judiciously to implement the conditions stipulated by State Government & Ministry of Environment and Forests. The funds so provided are not been diverted for any other purpose.
×	The concerned Regional Office of this Ministry/ State Pollution Control Board / Central Pollution Control Board shall monitor the implementation of the stipulated conditions. Six monthly compliance status report and monitoring data along with statistical interpretation shall be submitted to them regularly.	Statistical interpretation data is being submitted regularly to MoEF New Delhi & Regional office - Bangalore, The latest six months report is submitted, Vide our letter no VC/WS/ENV/22-23/F1 748 dated: 10.10.2022.

xi	The Project Proponent should advertise in at least two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned informing that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in. The advertisement should be made within 7 days from the date of issue of the clearance letter and a copy of the same should be forwarded to the Ministry's Regional Office at Bangalore.	Vasavadatta Cement has informed the public that the project has been accorded environmental clearance by the Ministry and copy of the clearance letter is available with the State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in After issuance of the clearance, the letter has been published in two local newspapers in vernacular language. 1) Deccan Herald 2) Prajavani and the same have been forwarded to the Ministry's Regional Office at Bangalore.
xii	The Project Authorities shall inform the Regional Office as well as the Ministry the date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.	The date of financial closure is informed to Ministry / Regional Office vide letter no VC: WS: ENV: CKJ: B82A/2007/1562 dated. July 19, 2007.
5	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Vasavadatta Cement will follow & implement all the above conditions satisfactorily.
6	The Ministry reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner.	Vasavadatta Cement will follow & implement the stipulated additional conditions in a time bound manner.

The above conditions will be enforced, inter alia under the provisions of the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, the Public Liability Insurance Act, 1991, Hazardous Waste (Management & Handling) Rules, 1989 and Manufacture, Storage, and Import of Hazardous Chemicals Rules, 1989 along with their amendments and rules.

Vasavadatta Cement will implement the above said conditions under the provisions of the Water (Prevention and Control of Pollution) Act- 1974, the Air (Prevention and Control of Pollution) Act- 1981, the Environment (Protection) Act- 1986, the Public Liability Insurance Act, 1991 & Hazardous Waste (Management & Handling) Rules- 2016 and Manufacture, Storage, and Import of Hazardous Chemicals Rules-2016 along with their amendments and rules.

Trans.	NEXT TO STREET, IN SECURITION OF STREET	M/s.VASAVADATTA CEMENT
		liance Report to Ministry Of Environment and Forests
	Vide MoEF EC	No: J-11011/1044/2007-IA.II (I) Dt.20 th Jan, 2010
S.No	Conditions	Compliance statement
A.Spe	cific Conditions	
	The Company shall comply with all the stipulations mentioned in the environmental clearance letter accorded by the Ministry vide letter no J-11011/383/2006-IA-II (I) dated 16 th May, 2007.	Vasavadatta Cement will comply all the stipulations mentioned in the Environment clearance letter accorded by the Ministry.
ii	The Company shall comply with the conditions stipulated in the mining plan approval letter no. issued by the Indian Bureau of Mines and mining lease accorded by the State Government.	Review of Mining Plan including progressive Mine Closure Plan for period from 2022-23 to 2026-27 pertaining to Injepalli Limestone Mine is approved from the Indian Bureau of mines Bangalore vide 279/168/90/BNG/100 dtd 27.01.2022 Along with PMCP we have submitted the bank Guarantee for Rs.11,73,80,000/- (Rupees Eleven Crores Seventy-three Lakhs Eighty Thousand Only) for period from 01.04.2012 to 31.03.2027. Towards financial assurance. As per new rule 27(1) of Mineral Conservation and Development (Amendment) rules,2021 and rules of MCDR 2017 @ of Rs.5,00,000/- per Ha.
iii	The proponent shall upload the status of compliance of the stipulated EC conditions, including monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of MoEF, the respective Zonal Office of CPCB and the SPCB. The criteria pollutant namely; SPM, RSPM, SO ₂ , NOx (Ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the project shall be monitored and displayed at the convenient location near the	Monthly Air Emission Monitoring reports (Ambient & Stack) and All EC compliance reports are being uploaded in our Vasavadatta Cement website regularly. Vasavadatta Cement has submitted Half yearly point wise compliance report October-2022 to March-2023, vide our letter no VC/WS/ENV/2022-23/F1-218 dated 11.05.2023. Online Stack Emission & Ambient Air Quality data parameters are displayed at our Plant main gate area for public domain and the same data is being transferred regularly to CPCB Server and connected to SPCB server. The web link of Vasavadatta Cement is as provided below https://www.birlashakticement.com
iv	main gate of the Company in the public domain. The Company shall install low NOx burner with Kiln/calciner for control of NOx emissions below 400 mg/Nm ³ .	Noted & will be complied
V	Secondary fugitive emissions shall be controlled within the prescribed limits and regularly monitored. Guidelines / Code of Practice issued	Bag filters are installed at various transfer points to control fugitive emission for existing plants (Unit – I to IV) well within the prescribed limits. Additional control equipment's as required for new unit will be provided.

		Vasavadatta C air quality is in Monitoring of submitted to S Forests -Regio VC/WS/ENV/2 The Min, Max	n accorda AAQ and SPCB, half onal Office 2023-24/F	nce with stack end fyearly reference of the reference of	the MoEnissions a eports a ministry a ated: 12.	F Notification being care being sulated being sulated Bangalor 10.2023.	ion for NA arried out omitted r e the late	AAQ Star t as per t egularly est repor	ndards 2 the SPC to The t submi	2009. B guidel Addition tted, Vic	ines & m nal Princi de our le	onthly re pal Chief tter no	ports are Conserva	being itor of
		Location	Location PM10 in µg/m3			PM2.5 μg/m3			SO2 μg/m3			Nox μg/m3		
			Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg
	District of property of	Mines office	67	86	78	27	57	45	8	14	12	9	15	13
	Ambient air quality including ambient noise levels shall not exceed the standards stipulated under EPA or by the State authorities.	Power Plant	68	86	78	27	57	45	7	15	12	9	15	13
-		Guest House	65	86	77	25	57	43	6	14	11	8	16	13
		Dairy Farm	65	86	77	26	57	43	7	15	11	8	15	12
		Lions Bhavan	64	85	77	25	56	44	7	15	12	8	16	13
vi		National Amb Industrial/Res average in µg,	as (24 houi , NO _x	PM ₁₀ PM _{2.5} SO ₂ 100 60 80				NOx 80	opryou conyou controls					
		The Values of ambient Noise levels in Industrial zone for the Month of July-2023 are :-								шшщ				
	visit (1990) ili pludagan basadan	Lday dB(A)	Limit dB(A)	L _{Ni} dB(Limit dB(A)								
		63		5	2									
		68		5	3									
		70		61										
		58	75	4	8	70								
		64		5	4									

vii	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 shall be followed.	Vasavadatta Cement is following National Ambient Air Quality Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009.
viii	Efforts shall be made to reduce impact of the transport of the raw materials and end products on the surrounding environment including agricultural land.	Vasavadatta Cement has adopted transportation policy in order to reduce the impact of the transport of raw materials and the end products on surrounding environment including agricultural land. Vasavadatta Cement has received Green Co Platinum rating award from CII in the year 2015-16. Vasavadatta Cement had received a "IconSWM – CE Excellence Award 2019" The programme is being organized by Ministry of Housing & Urban Affairs, Govt. of India, New Delhi. 1000 delegates from 22 countries attended this Award Presentation ceremony. Vasavadatta Cement had received a "22nd GreenTech Environment Award-2022" from Greentech Foundation New Delhi.
ix	Fly ash shall be utilized as per the provisions of Fly Ash Notification, 1999, subsequently amended in 2003. Fly ash shall be stored in ash silo and 100% used in the cement manufacturing.	100 % Fly ash is utilizing in cement manufacturing process and Fly ash is stored in silos, as per the provisions of Fly Ash Notification, 1999, subsequently amended in 2003.
X	The company shall carry out the trace metal like mercury, chromium, lead, arsenic, and uranium etc., analysis in the all the raw materials like lime stone, gypsum, fly ash, slag coal etc. and the analysis reports shall be submitted Ministry's Regional Office at Bangalore, CPCB and SPCB.	All the raw material analysis of trace metals like mercury, chromium, lead, arsenic, uranium, in all the raw materials like lime stone, gypsum, fly ash, coal etc is being done as per ISO.
хi	The company shall make the efforts to utilize the high calorific hazardous waste in the cement kiln and necessary provisions shall be made accordingly. The company shall keep the record of the waste utilized and shall submit the details to ministry's Regional Office at Bangalore, CPCB and SPCB.	Vasavadatta Cement has installed a new technology named Hot Disc reactor for co-processing/utilization of high calorific wastes like tyre chips, rubber, plastic waste and carbon black powder etc. Vasavadatta Cement is submitting and maintaining the data of waste co processed in cement kiln to SPCB & CPCB periodically. The latest report was submitted vide our letter. No. VC/ WS/ENV/23-24/G-912 dated: 02.11.2023.

xii	Total water requirement shall not exceed 13983 m³/day from Kagina River, Kamalavati barrage and Mines pit and the conditions stipulated in the permission letter obtained from the Central Ground Water Authority/State Ground Water	Total water requirement is not exceeding 13983 m³/day from Kagina River, Kamalavati barrage and Mines pit. Stipulated in the permission letter obtained from the Central Ground Water Authority/State Ground Water Board is being complied with and shall be submitted to Ministry's Regional Office at Bangalore.
	Board complied with and shall be submitted to Ministry's Regional Office at Bangalore. The treated wastewater from STP and utilities shall be reutilized for green belt development and other plant related activities i.e. cooling and dust suppression in raw material handling area etc. after	
	necessary treatment. 'Zero' discharge shall be strictly adopted and no effluent from the process	S. Charles Index and Confederate V
	shall be discharged outside the premises.	must be mad it from the dataset of OCC introducers and one particular set from the safety and
xii	Rainwater harvesting measures shall be adopted for the augmentation of ground water at cement plant, colony and mine site. Besides, company must also harvest the rainwater from the rooftops and storm water drains to recharge the ground water. The company must also collect rain water in	utilized in the cement plant during lean season.
	the mined out pits of captive lime stone mine and use the same water for the various activities of the	Presently the water storage capacity is approx. 29.00 Lakh m3 as on September'2022 at Mines Pit.
	project to conserve fresh water and reduce the water requirement pressure from the river. The Company shall construct the rain water harvesting	
	and groundwater recharge structures outside the	
	plant premises also in consultation with local Gram	
	Panchayat and Village Heads to augment the ground water level. An action plan shall be submitted to Ministry's Regional Office at Bangalore within 3 months from date of issue of this letter.	The same of the sa

xiv	The project proponent shall modify the mine plan of the project at the time of seeking approval for the next mining scheme from the Indian Bureau of Mines so as to reduce the area for external over burden dump by suitably increasing the height of the dumps with proper terracing. It shall be ensured that the overall slope of the dump does not exceed 28°.	treated as over	burden. The slo	burden whereas the top soil (Black Cotton Soil) generated will be see of soil bund will be maintained within $37 - 1/2^0$ and due to step maintained as 28^0 .
xv	Top soil, if any, shall be stacked with proper slope at earmarked site(s) only with adequate measures and shall be used for reclamation and			Bund along the mining lease boundary for development of green for bund formation.
	The state of the s	Year	Top Soil m3	
	rehabilitation of mined out areas.	2008-09	162589	
	F12 200.0 P11 DN	2009-10	96025	
	THE REST WAS TRANSFER OF THE PARTY OF THE PA	2010-11	161820	
	the season of other bonness of light are not beautiful	2011-12	175340	
	at the first tracks out at the state of the	2012-13	85916	
	ED YALL DW DV	2013-14	126302	
	and and the Company of the street form	2014-15	187749	
	amin'ny be	2015-16	171500	
		2016-17	196062	
	White the state of	2017-18	142925	
		2018-19	168563	
		2019-20	115922	
	and the same of th	2020-21	188767	
		2021-22	159476	
		2022-23	312367	
		2023-24 as on Sept-23	121985	

Year	Colony	Factory	Mine	Total
2009-10	2500	1000	5500	9000
2010-11	2400	1490	6565	10455
2011-12	3060	3115	3140	9315
2012-13	2055	2135	2075	6265
2013-14	2914	6577	24027	33518
2014-15	1865	544	4516	6925
2015-16	1973	6380	4224	12577
2016-17	9856	9090	6994	25940
2017-18	9983	11262	4075	25320
2018-19	5204	5317	2977	13498
2019-20	3404	3329	1995	8728
2020-21	220	290	2340	2850
2021-22	1110	520	3260	4890
2022-23	2470	279	2380	5129
2023-24(As on Sep-23)	1650	1438	4150	7238

Reclamation and rehabilitation of mined out area shall be carried out in accordance with mining plan / scheme approved by the Indian Bureau of Mines i.e. Hydro reclamation of mine pit. Request to issue corrigendum. We have requested for corrections vide letter no.VC: WS: ENV: CKJ: B83/2007 dated July 28, 2007. In addition to other species, Concarpus crectus trees (Common Name: Dubai Trees) are also planted in mines.

Characteristics of trees are as under:

- 1) High tolerance to drought & frequent wet soils,
- 2)Dense foliage & feathery leaves,
- 3)Resistant to dust pollution,
- 4)Required a very little amount of water,
- 5) Resistant to pests & diseases

xvi	The project proponent shall ensure that no natural water course shall be obstructed due to any mining and plant operations. The company shall make the plan for protection of the natural water course passing through the plant and mine area premises and submit to the ministry's Regional Office at Bangalore.	located 4.4 KM from the mine boundary. Hence the impact of mining activity to that distance of 4.4 KM is not envisaged.
xvii	The inter burden and other waste generated shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. The total height of the dumps shall not exceed 30 m in three terraces of 10 m each and the overall slope of the dump shall be maintained to 28°. The inter burden	The last submitted report of all EC compliance vide our letter no. VC/WS/ENV/2023-24/F-218 dated 11.05.2023 for the period October-2022 to March-2023.
	dumps shall be scientifically vegetated with suitable native species to	the beautiful and the second for the first facilities and the second of
	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 Ministry of Environment & Forests and its Regional Office, Bangalore on six monthly bases.	A programme and the second sec

xviii	The void left unfilled shall be converted into water	Two pits of 40 Lakh m ³ of water storage capacities are developed. The present water storage is
	body. The higher benches of excavated void/mining	27.00 Lakh m³ as on October'2023.
	pit shall be terraced and plantation to be done to	
	stabilize the slopes. The slope of higher benches	
	shall be made gentler for easy accessibility by local	The state of the s
	people to use the water body. Peripheral fencing	White the bearing the contract of the contract
	shall be carried out along the excavated area.	
xix	Catch drains and siltation ponds of appropriate size	Vasavadatta Cement has provided a drain driven in the lease hold connecting the sloping area to
	shall be constructed for the working pit, inter	arrest soil erosion and check dam is constructed across to prevent carrying of silt and clay particles
	burden and mineral dumps to arrest flow of silt and	along with it which will be accumulated in check dam and will be de silted after monsoon.
	sediment. The water so collected shall be utilized	One when should produce the tracket and
	for watering the mine area, roads, green belt	The second extilination to learn purpose of the second sec
	development etc. The drains shall be regularly	the same of the sa
	desilted, particularly after monsoon, and	and the second distance and best face on 111 for response
	maintained properly.	period sout and between the sit for a south
xx	Garland drain of appropriate size, gradient and	Garland drains are cut around the mine pit, whereby the rain water from the catchment area is
	length shall be constructed for both mine pit and	channelized in to the mine pit. The catch drains will also be cut around the soil dump and the
	inter burden dumps and sump capacity shall be	water will be directed to mines pit which will act as settling pond apart from the water storage.
	designed keeping 50% safety margin over and	Considering as rainfall of 1025 mm total capacity of sump required is around 14.18 Lakh m ³ . We
	above peak sudden rainfall (based on 50 years	have already developed pit capacity of 40 Lakh m ³ capacities keeping 50% margin as advised. The
	data) and maximum discharge in the area adjoining	stored water in the mine pit is utilized in the cement plant for process, watering in mine road and
	the mine site. Sump capacity shall also provide	for gardening at mines.
	adequate retention period to allow proper settling	
	of silt material. Sedimentation pits shall be	
	constructed at the corners of the garland drains	
	and desilted at regular intervals.	
xxi	Dimension of the retaining wall at the toe of inter	There is no dump of over burden. Top removed being used for formation of Bund along the
	burden dumps and inter burden benches within	mining lease boundary for development of green belt.
	the mine to check run-off and siltation shall be	
	based on the rain fall data.	

xxii	Regular monitoring of ground water level and	The result of ground water level and quality monitoring report (from October '2022 to March
	quality shall be carried out by establishing a	'2023) collected from GWSU Gulbarga and water quality report of Winter & Summer Season 2022
	network of existing wells and constructing new	23 is submitted to Ministry vide our letter VC/WS/MINE/UVR/66A/2023-24/ Dated. 22.04.2023.
	piezometers at suitable locations by the project	
	proponent in and around project area in	
	consultation with Regional Director, Central	
	Ground Water Board. The frequency of monitoring	51-31
	shall be four times a year- pre-monsoon (April /	NO. 31 (1)
	May), monsoon (August), post-monsoon	
	(November), and winter (January). Data thus	
	collected shall be sent at regular intervals to	
	Ministry of Environment and Forests and its	
	Regional Office at Bangalore, Central Ground	
	Water Authority and Central Ground Water Board.	
xxiii	Blasting operation shall be carried out only during	Blasting operations are carried out using the latest controlled blasting technique; NONEL and lates
	the daytime. Controlled blasting shall be practiced.	Software BIMS (Blast Information System). Blasting is carried out in day time only and will be
	The mitigative measures for control of ground	avoided in windy periods.
	vibrations and to arrest fly rocks and boulders shall	Annual of page 10 the family from the family for the family from the family fr
	be implemented.	and state which to be and its basis within the said of last and an increase of the said of
	The project proponent shall adopt wet drilling.	Drills are being wet operated
XXV	As proposed, green belt shall be developed in	Vasavadatta Cement has already developed 86 Ha, Approx. Green belt in plant, colony, Mines and
	76.34 ha in plant & colony and around the plant as	around the plant as per the CPCB guidelines.
	per the CPCB guidelines. The mining area except	The Details of Tree Plantation in Vasavadatta Cement Colony, Factory and Mines area from 2009-
	water body shall be developed as green belt.	10 to 2023-2024 as on September-2023 are as follows:

		Year	Colony	Factory	Mine	Total		
The l		2009-10	2500	1000	5500	9000		
		2010-11	2400	1490	6565	10455		
	Particulation of the Communication of the Com	2011-12	3060	3115	3140	9315		
		2012-13	2055	2135	2075	6265		
		2013-14	2914	6577	24027	33518		
		2014-15	1865	544	4516	6925		
		2015-16	1973	6380	4224	12577		
		2016-17	9856	9090	6994	25940		
		2017-18	9983	11262	4075	25320		
		2018-19	5204	5317	2977	13498		
		2019-20	3404	3329	1995	8728		74
		2020-21	220	290	2340	2850		
		2021-22	1110	520	3260	4890		
		2022-23	2470	279	2380	5129	metti il met u	
		2023-24 (As on Sep-23)	1650	1438	4150	7238		
xxvi	All the recommendations of the Corporate Responsibility or Environmental Protection (CREP) for the cement plants shall be strictly followed. Vehicular emissions 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	Responsibility for Environment Vehicular emission is regula (8) Karnataka Motor vehicle The limestone fragmentation is drenched with water regulace to crusher installed in the second s	rly monitore Rules – 198 n is maintai Ilarly before	ed once in 6 39. ned at aver	every 6 mo rage level dumpers	with no find for onward	es generation. transportation	The material from mines
	not be overloaded.	to plant by 1.4Km long conv	eyor covere	d with hoo	d.			
xxviii	Digital processing of the entire lease area using remote sensing technique shall be done regularly once in three years for monitoring land use pattern and report submitted to Ministry of Environment	Digital processing of the enmonitoring land cover and letter no.VC/WS/MINE/GSR Three years is completed Chaithanya Geo Surveys, H	land use p /66A/ 2020 from last s	attern. Re -21/18 date ubmission	port of st ed: 10.07.2 for latest	udy is subi 2020. LULC work	mitted to Mini	stry vide our ady issued to

xxix	A Final Mine Closure Plan along with	Review of Mining Plan including progressive Mine Closure Plan for period from 2022-23 to 2026-27 pertaining to
	details of Corpus Fund shall be	Injepalli Limestone Mine is approved from the Indian Bureau of mines Bangalore vide 279/168/90/BNG/100 dto
	submitted to the Ministry of	27.01.2022 Along with PMCP we have submitted the bank Guarantee for Rs.11,73,80,000/- (Rupees Elever
	Environment & Forests 5 years in	Crores Seventy-three Lakhs Eighty Thousand Only) for period from 01.04.2012 to 31.03.2027. Towards financia
	advance of final mine closure, for	assurance. As per new rule 27(1) of Mineral Conservation and Development (Amendment) rules,2021 and rules
	approval.	of MCDR 2017 @ of Rs.5,00,000/- per Ha.
	The state of the s	
XXX	Provision shall be made for the	Vasavadatta Cement will provide all the necessary infrastructure facilities & amenities; once the project is
	housing of construction labor within	completed, temporary structures will be removed.
	the site with all necessary	
	infrastructure and facilities such as	The sales of the s
	fuel for cooking, mobile toilets,	The state of the s
	mobile STP, Safe drinking water,	
	medical health care, crèche etc. The	The state of the s
	housing may be in the form of	TE DE TO LOS DONNES
	temporary structures to be removed	THE PROPERTY OF THE PROPERTY O
	after the completion of the project.	
Gene	ral Conditions:-	
1	The project authority shall adhere to	Vasavadatta Cement will follow the stipulations made by Karnataka State Pollution Control Board (KSPCB) and
	the stipulations made by Karnataka	State Government.
	State Pollution Control Board	The Salar Service read the lewest are the contract of the salar and the salar are the salar are the salar are
	(KSPCB) and State Government.	Containing of the containing and ordered. The contribute well the process in the last section.
ii	No further expansion or modification	No further expansion or modification of the plant will be carried out without prior approval of the Ministry
	of the plant shall be carried out	higher stignishments and a stignishment of the
	without prior approval of this	
	Ministry.	

At least four ambient air quality monitoring stations
shall be established in the down wind direction as well
as where maximum ground level concentration of
SPM, SO ₂ and NO _x are anticipated in consultation with
the SPCB. Data on ambient air quality and stack
emissions shall be regularly submitted to this Ministry
including its Regional Office and SPCB / CPCB once in
six months.

Environmental monitoring report from (October' 2022 to March'2023) is submitted vide our letter. No.VC/WS/MINE/NA/66A/2023-24/348 Dated 13.06.2023.

Five air Quality monitoring stations are installed in consultation with KSPCB and monitored data is submitted to the State Pollution Control board on monthly basis and half yearly reports are being submitted regularly to Additional Principal Chief Conservator of Forests -Regional Office of the ministry at Bangalore, the latest report submitted, Vide our letter no VC/WS/ENV/2023-24/F-834 dated: 12.10.2023.

The Min, Max & Avg. Values of PM10,PM2.5,SO2 & NOx for the period April'2023 to September'2023 is as follows:-

Location	on PM ₁₀ in µg/m ³			PM ₂	PM _{2.5} μg/m ³			SO ₂ μg/m ³			NOx μg/m ³		
	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	Min	Max	Avg	
Mines office	67	86	78	27	57	45	8	14	12	9	15	13	
Power Plant	68	86	78	27	57	45	7	15	12	9	15	13	
Staff Club	65	86	77	25	57	43	6	14	11	8	16	13	
Dairy Farm	65	86	77	26	57	43	7	15	11	8	15	12	
Lions Bhavan	64	85	77	25	56	44	7	15	12	8	16	13	

National Ambient Air Quality Standards – 2009	PM ₁₀	PM _{2.5}	SO ₂	Nox
Industrial/Residential/Rural or other areas (24 hourly average in µg/m³) for PM10, PM2.5, SO ₂ , NO _x	100	60	80	80
Hours average in µg/116 / 101 / 1412.5, 302, 100x				

Industrial wastewater shall be properly collected and 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. The treated wastewater shall be utilized for plantation purpose.

The wastewater is being properly collected & treated as per GSR 422 (E) standards. Presently, the treated wastewater from power plant is utilized for plantation & Cement manufacturing process. The analysis values for the particulars of industrial wastewater samples from ETP outlet for the month of July-2023 is tabulated below.

S No	Characteristics	Actual	Stipulated	
1	рН	8.15	5.5 to 9.0	
2	TSS, mg/I	15.9	20	
3	Oil & Grease, mg/l	2.1	10	

		Also the analysis tabulated below		ulars of T	reated sewage	samples at the o	utlet of STP for th	ne month of July-2023 is	
		S No	Characteristics	Actual	Stipulated				
		1	BOD	7.44	20				
of the J-Kin		2	TSS, mg/l	15.9	20	nian in Summer	abai bet mor	water and prospering	
the plant kept we standard	area shall be Il within the s (85 dBA) by g noise control	selected screw of Motors are redu	g sources like Blowers compressors with acouced by changing Air of itoring for the Month	ustic encl cooling far	osure. In CPP al ns & Shell coolii	II turbines are prong fans aluminium	ovided with Acou	ecluded buildings. We ha stic enclosures. Noise le aced by FRP blades.	vels
acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The		Zone	Monitoring Locat	ion	Lday (6.00 AM to 10.00 PM)	Limit	Lnight (10.00 PM to 06.00 AM)	Limit	
ambient	noise levels		Kamalavathi river	(E)	63	Africa, bina non	52		
standard	shall conform to the standards prescribed		Lorry yard gate-02	(W)	68		53		
	Environmental on) Act, 1986	Industrial Zone	Power plant	(N)	70	75	61	70	
Rules, 19	89 viz. 75 dBA	dB(A)	STP area	(S)	58	dunt indexes	48		
	(day time) and 70 dBA (night time)	Towards Mines	(NE)	64		54			

vi	Proper housekeeping and adequate occupational health programmes shall be taken up. Occupational Health Surveillance programme shall be done on a regular basis and records maintained properly for at least 30-40 years. The programme shall include lung function and sputum analysis tests once in six months. Sufficient preventive measures shall be adopted to avoid direct exposure to dust etc.	Two TPS 3D machines & Six truck mounted system are operated for road sweeping in plant and colony. Apart from this manually operated floor sweeping machines are in operation in order to maintain good housekeeping. The Occupational Health Centre is fully equipped with Ambulances 2 No's, clinical laboratory, ECG, X-ray, spirometer, audiometer, ultrasound scanning, eye testing equipment, pulseoximeter and nebulizer. Following health checkups are being carried out at our OHC centre for staff & workers Lung function test & Sputum analysis is being done Once in six months and all records are maintained. other activities like providing best health facility to our employee & their dependants, Free distribution of medicine, Maintenance of the health data of employees, Pre-placement examination of the employee before joining our organization, Periodical medical examination, Conducting health education, Health surveillance of the surrounding villages, We invite specialists weekly/ monthly from Gulbarga such as Orthopedician, ENT Surgeon, Ophthalmologist, Gynaecologist, Gen.Physician & Pediatrician.
vii	The company shall undertake eco-development measures including community welfare measures in the project area.	The company will undertake eco-development measures including community welfare measures in the project area.
viii	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/ EMP.	VC will comply all the environmental protection measures and safeguard the recommended EIA/EMP.
ix	A separate environmental management cell with full fledged laboratory facilities to carry out various management and monitoring functions shall be set up under the control of Senior Executive.	Environment cell is provided with well qualified Engineers (3 persons) holding P.G in Environment to carryout various activities, stack emission monitoring, Ambient air quality monitoring, Noise monitoring at plant boundaries and machineries, Report preparation and Compliances etc., The Environment Cell is set up under senior Executive of Head-Environment who is reporting directly to Chief Manufacturing Officer

X	Adequate fund shall be allocated to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government. Time bound implementation schedule for implementing all the conditions stipulated herein shall be submitted. The funds so provided shall not be diverted for any other purpose.	For Existing Cement Plant (I to IV) and Power plant (I to V) pollution control expenditure as on March 2023 is 131.10 Crores (Approx.). Expenses on social activities (town and rural development) and GAK from the year 2006 to 2023 as on October-23 is 13.49 Crores. Environmental implementation schedule will be prepared when the project starts (Unit – V Cement plant). The funds earmarked for environmental protection is not diverted for any other purposes.
xi	The Regional Office of this Ministry / CPCB / KSPCB shall monitor the stipulated conditions. The project authorities shall extend full cooperation to the officer (s) of the Regional Office by furnishing the requisite data / information / monitoring	Vasavadatta Cement will provides cooperation to the officers of the Regional Office by furnishing the requisite data / information / monitoring reports. Six monthly reports are being submitted regularly to The Additional Principal Chief Conservator of Forests -Regional Office of the ministry at Bangalore, The last submitted report of all EC compliance vide our letter no. VC/WS/ENV/2022-23/F-218 dated 11.05.2023 for the period October-22 to March-23.
	reports. A six monthly compliance report and the monitored data along with statistical interpretation shall be submitted to them regularly.	The latest report of monitored data along with statistical interpretation is submitted to The Additional Principal Chief Conservator of Forests -Regional Office of the ministry at Bangalore Vide our letter no VC/WS/ENV/23-24/F-834 dated: 12.10.2023. For the period April-23 to September-23.

make the second process of emission process and process and the real point make the

xii	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated EC conditions including results of monitored data (both on hard copies as well as by e-mail) to the respective Regional Office of MoEF, the respective Zonal Office of CPCB and the KSPCB.	Half yearly point wise compliance report for environmental clearance for the period October-2022 to March-2023 is submitted, vide our letter no VC/WS/ENV/2022-23/F1-218 dated 11.05.2023.
xiv	No change in mining technology and scope of working shall be made without prior approval of the Ministry of Environment & Forests. No change in the calendar plan including excavation, quantum of limestone and waste shall be made.	Any change in the technology and scope of working will be implemented only after the prior approval of MoEF.
xv	Measures shall be taken for control of noise levels below 85 dB(A) in the work environment. Workers engaged in operations of HEMM etc. shall be provided with ear plugs / muffs.	Appropriate measures are being taken for control of noise levels below 85 dB (A) by maintaining all machines in good conditions, following scheduled preventive maintenance and Tightening of fasteners regularly. Persons engaged in blasting drilling & Heavy Earth Moving Machineries operations are provided with ear Plugs / muffs.
	Industrial wastewater (workshop and wastewater from the mine) shall 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.	Oil and Grease separation tank is constructed & maintained to separate the oil, grease content from the water used for Heavy Earth Moving Machineries washing. The Oil and grease trap Water confirms to the standards prescribed under GSR 422(E). The wastewater is being properly collected & treated to the GSR 422 (E) standards. Presently, the wastewater from power plant is utilized for plantation purpose. Regular monitoring of effluent water is carried out as per the standards under GSR422 (E) for four seasons in a year. The latest Monitoring report for 2023-24 carried out in July '2023 as tabulated below:

S No	Characteristics	Results	Stipulated	printer or
1	рН	8.15	5.5 to 9.0	
2	BOD, mg/l	9.4	30	
3	COD, mg/l	38.5	250	
4	TSS, mg/l	15.9	20	
5	TDS, mg/I	656	2100	
6	Sulphate as S,mg/l	98	250	
7	Chlorides as CI, mg/l	213	1000	
8	Oil & Grease, mg/l	2.5	10	
	1 2 3 4 5 6 7	1 pH 2 BOD, mg/l 3 COD, mg/l 4 TSS, mg/l 5 TDS, mg/l 6 Sulphate as S,mg/l 7 Chlorides as CI, mg/l 8 Oil & Grease, mg/l	1 pH 8.15 2 BOD, mg/l 9.4 3 COD, mg/l 38.5 4 TSS, mg/l 15.9 5 TDS, mg/l 656 6 Sulphate as S,mg/l 98 7 Chlorides as CI, mg/l 213	1 pH 8.15 5.5 to 9.0 2 BOD, mg/l 9.4 30 3 COD, mg/l 38.5 250 4 TSS, mg/l 15.9 20 5 TDS, mg/l 656 2100 6 Sulphate as S,mg/l 98 250 7 Chlorides as Cl, mg/l 213 1000 8 Oil & Grease, mg/l 2.5 10

protective respiratory devices and they shall	
information on safety and health aspects.	
workers shall be undertaken periodically to observe any contractions due to exposure to	Carrier To
dust and take corrective measures, if needed.	
Regional Office located regarding date of	work of Power plant only in vide our letter no VC / WS / ENV / CKJ / 2010/B87/3519, dated: 24.02.2011.
A copy of clearance letter shall be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation, if any, was received while processing the proposal.	A copy of clearance letter has been submitted to concerned Panchayat vide our letter no. VC/WS/ENV/CKJ/10/B90/121, dated: 16.04.2010.
A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local	A copy of clearance letter has been submitted to concern Panchayat and is also displayed on the Company website. The EC copy is advertised in Two newspapers namely
suggestions/representations if any were received while processing the proposal. The clearance letter shall also put up on the website	1)DeccanHerald 2) Prajavani.
	observe any contractions due to exposure to dust and take corrective measures, if needed. The project authorities shall inform to the Regional Office located regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work. A copy of clearance letter shall be marked to concerned Panchayat / local NGO, if any, from whom suggestion / representation, if any, was received while processing the proposal. A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zilla Parisad/Municipal Corporation, Urban Local Body and the Local NGO, if any, from whom suggestions/representations if any were received while processing the proposal. The

xxi	The project authorities shall advertise at least in two local newspapers widely circulated, one of which shall be in the vernacular language of the locality concerned, within 7 days 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 Karnataka State Pollution Control Board and also at web site of the	Vasavadatta Cement has informed the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at After issuance of the clearance, Clearance letter has been published in two local newspapers in vernacular language 1) Deccan Herald 2) Prajavani and the same have been forwarded to the R. O.
	Ministry of Environment and Forest at	the second interest and the se
	"http://envfor.nic.in" and a copy of the same shall be	Control manufacture manufactured in the Control of their approximate access out
	forwarded to the Regional Office of this Ministry.	20 10 JOURNAL DESCRIPTION OF THE PROPERTY OF T
xxii	The environmental statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986 as amended subsequently, shall also be put on the website of the Company along with the	Vasavadatta Cement is submitting Environmental statement Report in Form-V regularly to State Pollution Control Board & MoEF Regional Office, each financial year, after 31 st March, and the same is uploaded in Vasavadatta Cement website and status of compliance of All EC conditions is being sent to the respective regional Office of the MoEF.
	status of compliance of EC conditions and shall also be sent to the respective regional Office of the MoEF by e-mail.	
6	The Ministry or any other competent authority may stipulate any further condition(s) on receiving reports from the project authorities. The above conditions shall be monitored by the Regional Office of this Ministry.	Vasavadatta Cement will follow the stipulations/ further conditions made by Ministry / competent Authority.
7	The Ministry may revoke or suspend the clearance if implementation of any of the above conditions is not satisfactory.	Vasavadatta Cement will follow & implement the above conditions satisfactorily.

8	Any other conditions or alteration in the above conditions shall have to be implemented by the	Vasavadatta Cement will follow & implement the stipulated additional conditions in a time bound manner.
	project authorities in a time bound manner.	
9	Any appeal against this environmental clearance shall lie with the National Environment Appellate	If any appeal against this environmental clearance will be intimated to the Conserned authority at the specified address.
	Authority, Second Floor, Trikoot-I, Bhikaji Cama Place, New Delhi-110066, if preferred within a period	
	of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.	The same story of any property of the control of
10	The above conditions shall be enforced, inter-alia under the provisions of the Water (Prevention and	Vasavadatta Cement will implement the above said conditions under the provisions of the Water (Prevention and Control of Pollution) Act, 1974 the Air (Prevention and Control of Pollution) Act,
	Control of Pollution) Act, 1974 the Air (Prevention and Control of Pollution) Act, 1981 the Environment	1981 the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991.
	(Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments	there is being a sense of the property of the sense of th
	and rules.	(unitaring) pages and the most arranged

	POINTWISE COMPLIANCE REPO	ORT TO EC FOR MINES M	TOEF, Delhi.	
	Vide MoEF EC no. J-11015/98/2004-IA. II (M)	Dated 28 th March 2005.	Updated as on 30.09.2023	
S.no	Condition		Compliance Status	
A. Speci	fic Conditions	minute of the same of	en lings & budge in	
i)	Topsoil should be stacked properly with proper slope at earmarked site(s) and should not be kept active and shall be used for reclamation and development of greenbelt and for	Top soil is used for for development of green as follows:	mation of Bund along the mi belt. Top soil handled and use	ning lease boundary fo ed for bund formation i
	bund construction.	Year	Soil Utilized for Bund formation in m ³	a hagay in a
		2011-2012	175340	the sales are sales
	and the second section of mixing the second section of	2012-2013	85916	a margari da ana
	dynthrotologia grantum ti	2013-2014	126302	
	a new all-ordinant no reasons during many taste lines remaining	2014-2015	187749	
	The state of the s	2015-2016	171500	-
	the country of the second of t	2016-2017	196062	
	the train is not remember towards to the limited at potentiality in	2017-2018	142925	
		2018-2019	168563	
	and account to continuous state part presents of but are quite to it	2019-2020	115922	and below to strong
		2020-2021	188767	Graduation and
	Constant Representation of the Article of Annal Section 5 Section 5 Section 6 Section	2021-2022	159476	
		2022-2023	312367	
	Annual Control of the	2023-24 As on Sept'2023	121985	

(ii)	Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from soil dump and from within lease area. The water so	1. Garland drains are cut around the mine pit, whereby the rain water from the catchment area is channelized into the mine pit.
	collected should be utilized for watering the mine area, roads, green belt development, etc. The drains should be regularly desilted and maintained properly.	2. The catch drains also cut around the soil dump and the water is directed to mines pit which will act as settling pond.
	Garland drains (size, gradient & length) and sump capacity should be designed keeping 50% safety margin over and above the peak sudden rainfall and maximum	3. Considering average rain fall of 1025 mm a sump of capacity 14.18 Lakh m ³ is required
	discharge in the area adjoining the mines site. Sump capacity should also provide adequate retention period to allow proper settling of silt material.	4. We have developed pit capacity of 40 Lakh m ³ . Keeping 50 % margin as advised. The stored water in the mine pit is utilized in the cement plant for process.
(iii)	Crushers should be operated with high efficiency bag	Following precautions are taken at crusher hopper.
	filters, water sprinkling system should be provided to check fugitive emissions from crushing operations, haulage roads, transfer points, etc.	1.Bag Filter is provided at crusher.
		2. Conveyor belt curtain along with water sprinkler is provided on hopper for suppression dust generated during unloading.
		3. Static road sprinklers and Mist type water tanker on haul roads are provided to suppress the dust generated during transportation of material.
		4. Water in the form of mist is being sprayed by rain gun on blasted material before loading of material to reduce dust.
		5. Regular stack monitoring is carried out at crusher chimney as a part of environmental management.
(iv)	Drills should be wet operated or with dust extractors and operated only during daytime.	Drills are being wet operated to suppress the dust generation at source itself.
	AND THE RESERVE TO TH	Also Dust collector is provided in the drilling machine to arrest the dust generated during drilling.
	TABLET C	3. Drilling operation is being carried out only during daytime.

(v)	Controlled blasting should be practiced with the use of delay detonators and only during daytime. The mitigative measures for control of ground vibrations and to arrest the fly rocks and boulders should be implemented.	2. Latest Software BIMS (Blast Information System). Blasting is used for designing post blasting parameters to minimise the effect of Noise and Vibration.				
		3. Carried out in day t		والمال إنجال		ds.
(vi)	The total area that shall be brought under	Plantation is done in	Mine Lease area a	s mentioned	below.	descent of public
	plantation at the end of mine life is 90 ha which	Year	Colony	Factory	Mine	Total
	includes areas under green belt, and reclaimed	2009-10	2500	1000	5500	9000
	dumps by planting native plant species in	2010-11	2400	1490	6565	10455
	consultation with the local DFO/Agriculture Department. The density of the trees should be	2011-12	3060	3115	3140	9315
	around 2000 plants per ha.	2012-13	2055	2135	2075	6265
		2013-14	2914	6577	24027	33518
		2014-15	1865	544	4516	6925
		2015-16	1973	6380	4224	12577
		2016-17	9856	9090	6994	25940
		2017-18	9983	11262	4075	25320
		2018-19	5204	5317	2977	13498
		2019-20	3404	3329	1995	8728
		2020-21	220	290	4150	4660
		2021-22	1110	520	3260	4890
		2022-23	2470	279	2380	5129
	to estable.	2023-24 As on Sept'2023	1650	1438	4150	7238
		In addition to other species, Concarpus crectus trees (Common Name: Dubai Trees) are also planted in mines.				
		Characteristics of trees are as under:				
		1)High tolerance to d	rought & frequent	t wet soils, 2)	Dense foliage	e & feathery leaves,
		3)Resistant to dust po				
		4)Required a very littl		r,		
		5) Resistant to pests 8	& diseases			

(vii)	Reclamation of quarried area (void) of 807.86 ha shall be developed as a water reservoir and used for recharge of ground water. The higher benches of the void shall be terraced and plantation done to stabilize the slopes. Peripheral fencing shall be done along the excavated area.	
(viii)	Total Just Livin	The point number (viii) is missing and we assume that it is a typographical error in numbering.
(ix)	The company shall implement measures for rainwater harvesting and other measures for recharge of ground water for augmentation of ground water resource.	Two pits of 40 Lakh m ³ water storage capacities are developed. The present water storage is 27.00 Lakh m ³ as on 01.10.2023.
(x)	Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells and construction of new piezometers. The monitoring for quantity should be done for a minimum four times a year in pre monsoon (May), monsoon (August), post-monsoon (November) and winter (January) seasons and for ground water quality in May. Data thus collected should be submitted to the Ministry of Environment & Forests and the Central Ground Water Board, Regional Office quarterly within one month of monitoring.	The result of ground water level and quality monitoring report (from Oct'2022 to March'2023) collected from GWSU Gulbarga and water quality report for Winter season 2022-23 is submitted to Ministry vide our letter VC/WS/MINE/UVR/66A/2023-24/182 Dtd 22.04.2023.
(xi)	Mining will not intersect ground water. Prior permission of the CGWA and MOEF shall be taken to mine below ground water.	Authenticated certificate is given by GWSU, ZP, Gulbarga through Letter No SG/GWS/ZP/2005-06/840 Dated 30.01.2006.

(xii)	Digital processing of the entire lease area using remote sensing techniques should be done regularly once in 3 years for monitoring land use pattern and report submitted to MOEF and its Regional Office at Bhopal.	Digital processing of the entire lease area by using remote sensing techniques has been done for monitoring land cover and land use pattern. Report of study is submitted to Ministry vide our letter no.VC/WS/MINE/UVR/66A/2023-24/597dated:05.08.2023. Apart from above, as per rule 34A of Mineral Conservation & Development Rules, 2017 we have carried out drone survey of ML Area including 100 MTS buffer zone for the year 2022-23.
(xiii)	A Final Mine Closure Plan along with details of Corpus Fund should be submitted to the Ministry of Environment & Forests 5 years in advance of final mine closure for approval.	A final Mine Closure Plan will be prepared 5 years prior to closing of mines.
(xiv)	The Proponent shall earmark a separate fund of 1% of the total project cost subject to a minimum of Rs. 50,000/- for eco development measures including community welfare measures in the project area. The amount shall be deposited by the Company in a separate account within three months to be maintained by the Karnataka State Pollution Control Board. The action plan in this regard shall be submitted to the SDCR as well as to MoSE and its	M/s Vasavadatta Cement has deposited an amount of Rs.50000/- with the Karnataka State Pollution Control Board vide letter no. VC/WS/ENV/CKJ/B55/526DT dated 25.05.2005. The action plan in this regard is submitted to the KSPCB as well as to MOEF and its Regional office at Bangalore. Request for reimbursement for Eco-development fund is submitted vide our letter no. VC: WS: ENV: CKJ: F10 (ENV):554, dated 31.08.2009 again requested vide letter Vc:WS:ENV:HMO:2018-19:B-59(Env), dated 20.06.2018.
	submitted to the SPCB as well as to MoEF and its Regional office at Bangalore within three months of issue of this letter. After approval of the action plan by the SPCB, the amount deposited shall be released in two instalments to the project authorities based on progress of implementation. The SPCB shall ensure that implementation of the action plan for eco development measures is completed within two years from date of its	The second secon

B. Ge	neral Conditions	the same of the sa
(i)	No change in mining technology and scope of working should be made without prior approval of the Ministry Of Environment & Forests.	Any change in the technology and scope of working will be implemented only after taking prior approval of MoEF.
(ii)	No change in the calendar plan including excavation, quantum of limestone, waste dumps should be made.	No changes will be made in calendar plan including excavation, quantum of limestone handling.
(iii)	Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for monitoring RPM, SPM, NOX and SO2. Location of the ambient air quality station should be decided based on meteorological data, topographical features and environmentally and ecologically sensitive targets and the frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.	Five stations in core zone and 7 stations in buffer zone are established in consultation with the State Pollution Control Board. Four permanent AAQ stations (02 in Core & 02 in Buffer zone is fixed) with the approval of KSPCB) The monitoring of ambient air quality is in accordance with the MoEF Notification, NAAQ Standards 2009
(iv)	Data on the environmental quality should be regularly submitted to the Ministry including its Regional Office at Bangalore and the State Pollution Control Board / Central Pollution Control Board once in six months.	Environmental monitoring report from (October'2022 to March'2023) vide : VC/WS/MINE/VD/66A/2023-24/348. Dtd 13.06.2023 is submitted to Moefcc for Post-Monsoon- 2022, Winter - 2023 & Summer Seasons for 2023.
(v)	Adequate measures for control of fugitive emissions should be taken during drilling & blasting operations, loading and transportation of mineral, etc. Fugitive dust emissions should be regularly monitored and data recorded properly. Water spraying arrangements on haul roads, loading and unloading points, and transportation of minerals, etc. should be provided and properly maintained.	 Due care is taken in control of fugitive emissions as under. Wet drilling arrangement is made in drilling machine. Permanent water sprinklers are installed on haul road for dust suppression. Apart from above 02 No's water tankers are provided with pressurized water sprinkling arrangements for haul road and rain fitted for water sprinkling on blasted heap prior to loading. NIVIS dust suppression system for suppression of Air borne dust.

noise levels below 85 dB (A) in the work		mainte	maintenance.				
	environment. Workers engaged in blasting and	2.	All the HEMM are provided	with AC	Cabins.		
	drilling operations, operations of HEMM, etc.,	3.	Tightening of fasteners is do	one regu	larly.	Zürgen (fügel)	
	should be provided with ear plugs/muffs.					ons are provided with ear Plugs / muffs	
(vii) Industrial waste water (workshop and waste water from the mine) should be properly collected,		Water 2023-2	- All Control of the	effluen	t as per G	SR-422(E) During During Monsoon Season	
	and 31 st December 1993 or as amended from time		Oil and Grease separation tank is constructed & maintained to separate the oil, grease content from the water used for Heavy Earth Moving Machineries washing. The Oil and grease trap Water confirms to the standards prescribed under GSR 422(E).				
	to time. Oil and grease trap should be installed in the mine for treatment before discharge of effluents from the Workshop. Mine seepage water shall be tested and treated to conform to prescribed standards before discharge.	The wastewater is being properly collected & treated to the GSR 422 (E) standards. Presently, the wastewater from power plant is utilized for plantation purpose.					
		Regular monitoring of effluent water is carried out as per the standards under GSR422 (E) for four seasons in a year.					
		The latest Monitoring report for Winter Season2022-23 carried out in <u>August '2023</u> as tabulated below:					
		S No	Characteristics	Max	Min	Stipulated	
	The state of the s	1	pH	7.97	7.76	5.5 to 9.0	
	They I've an another but which they been to mis-	2	TDS, mg/l	289	263	2100	
	In territories of other transmissional developments from	3	Chlorides as CL, mg/l	38.6	45.1	1000	
		4	Flouride as F, mg/l	1.38	1.31	2	
		-	Sulphastes as SO4, mg/l	65.1	62.9	1000	
		5	Sulphastes as 304, mg/1	03.2			
		6	Iron as Fe, mg/l	0.05	0.02	1.0	
					0.02		

(viii)	Personnel working in dusty areas should wear protective respiratory devices and they should also be provided with adequate training and information on safety and health aspects.	Protective respiratory devices are provided to Persons working in dusty areas and training & information on safety and health aspects have been given.
	Occupational health surveillance programme of the workers should be undertaken periodically and corrective measures taken, if required. Annual audiometric tests shall be done to employees in noise generating work zone and preventive measures implemented.	All the persons are periodically examined for medical covering general health check-up, audiometry, spirometry, lung function test and X ray.
(ix)	The data on environmental quality should be collected and analyzed either through an in-house environmental laboratory established with adequate number and type of pollution monitoring and analysis equipment or got analysed through an approved laboratory under the Environment (Protection) Rules, 1986 in consultation with the State Pollution Control Board.	The data of environmental quality is collected and got analysed through an NABL approved laboratory by M/s. Universal Enviro Associates., Hyderabad and Reports are submitted regularly to Ministry on quarterly basis.
(x)	A separate environmental management cell with suitable qualified personnel should be set up under the control of a senior executive who will report directly to the head of the organization.	Environment cell is provided with well qualified Engineers holding P.G in Environment to carry out various activities like Analysis of stack emission monitoring, Ambient air quality monitoring, Noise monitoring at plant boundaries and machineries, Report preparation and Compliances under senior Executive of Head-Environment who is reporting directly to Chief Manufacturing Officer.

(xi)	The funds earmarked for environmental protection measures should be kept in separate account and not diverted for any other purpose. Year-wise expenditure should be reported to the Ministry of Environment & Forests.	The funds earmarked & year-wise expenditure reports for environmental protection measures for the financial year 2022-23 is being submitted to MoEF, vide our letter no.VC/WS/MINE/UVR/2023-24/272 Dated 25.05.2023 and funds are not diverted for any other purposes.
(xii)	The project authorities should inform to the Regional office located at Bangalore regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	The date is informed vide letter no VC: WS: ENV: CKJ: B82A/2007/1562 dated. July 19, 2007 regarding financial closure.
(xiii)	The Regional Office of this Ministry located at Bangalore shall monitor compliance of the stipulated environmental conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/information /monitoring reports.	Vasavadatta Cement will ensure full cooperation in all respect to the officers by furnishing the requisite data/information /monitoring reports to Regional Office of Ministry.
(xiv)	A copy of the clearance letter should be marked to concerned Panchayat / local NGO, if any, from whom any suggestion/representation has been received while processing the proposal.	A copy of clearance is already submitted to concern Panchayat.
(xv)	The State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and the collector's /Tehsildar's Office for 30 days.	Not Applicable
(xvi)	The project authorities should advertise at least in two local newspapers widely circulated around the project, one of which shall be in the vernacular language of the locality concerned within 7 days of issuance 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 may also be seen at web site of the Ministry of Environment and forests at http://envfor.nic.in.	The EC copy is advertised in Two newspapers namely 1) Deccan Herald 2) Prajavani.

		Additionally we are hosting EC compliance reports in company we https://www.birlashakticement.com On half yearly basis.	b site
3	The Ministry or any other competent authority may stipulate any further additional condition for environmental protection.	Vasavadatta Cement will follow all the additional condition stipulated on us.	
4	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance.		
5	The above conditions will be enforced, inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control) of Pollution Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments	the tree of multiplicated and the second	3
	and rules.	the second party and the second party and the second secon	

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POINTWISE COMPLIANCE REPORT TO ENVIRONMENTAL CLEARANCE FOR MINES (Accorded by MoEF, New Delhi.)

Vide MoEF EC No. J-11015/328/2006-IA.II (M) Dated. April 4th 2007 & corrigendum No. J-11015/328/2006-IA.II (M) dated September 17th, 2007. Updated As on 30.09.2023.

S.No.	Condition	Compliance Status
Specif	ic Conditions	
(i)	The mining operation shall not intersect the ground water table. Prior approval of the Ministry of Environment and Forests and Central Ground Water Authority shall be obtained for mining below water table.	Maximum Mining depth will be 60 meter (BGL). Depth of ground water table in the area is 90-95 meter (BGL). Hence the mining operations will not intersect ground water table. However, prior approval of the Ministry of Environment & Forests and Central Ground Water Authority will be obtained for mining below water table. Authenticated certificate is given by GWSU, ZP, Gulbarga through Letter No.SG/GWS/ZP/2005-06/840 Dtd.30.01.06.
(ii)	Top soil shall be stacked properly with proper slope with adequate safeguards and shall be backfilled for reclamation and rehabilitation of mined out area.	Top soil will be utilized for formation of bund along mining lease boundary and green belt development outside the mining lease area. So far 61,79,444 MT the top soil generated and utilized for bund formation. Mines having top soil as overburden up to the depth of 1 to 1.5m from the surface and generated soil quantity is very less and also it is used for formation of green belt all along the lease boundary, plant & Colony. So there is no sufficient top soil to backfill for Reclamation hence mined out area will be converted into Hydro reclamation in accordance with mining plan / scheme approved by the Indian Bureau of Mines.
(iii)	Over burden 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 30 m; each stage shall preferably be of 10 m and overall slope of the dump shall not	The slope of soil bund will be maintained within the limit 37 -1/20 and due to step dumping over all slopes is maintained as 280. Rehabilitation of mined out area into Hydro reclamation in accordance with mining plan / scheme approved by the Indian Bureau of Mines.
	exceed 28°. The mine pit area shall be reclaimed by back filling 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 Ministry of Environment & Forests on six monthly basis.	Half yearly point wise compliance report for environmental clearance for the period October'2022 to March'2023 is submitted, vide our letter no VC/WS/ENV/2023-24/F1 dated 11.05.2023.

(iv)	(Garland drains/trench around the mine shall be constructed to arrest flow of limestone, silt and sediment flows from soil, and mineral dumps into the agricultural field. The water so collected shall be utilized for watering the mine area, roads; green belt development etc. The drains shall be regularly desilted particularly after monsoon and maintained properly. Garland drain (size, gradient and length) shall be constructed for both mine pit and for waste dump and sump capacity shall be designed keeping 50 % safety margin over and above peak sudden rainfall (based on 50 years data) 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 desilted at regular intervals.	the proof of the little of the first of the strength of the st
(v)	The project proponent shall prepare a rehabilitation action plan to rehabilitate the villagers for implementation in consultation with the State Government and the affected person	This is not Applicable for present project.

(vi)	Drilling & blasting shall be by using dust extractors/wet drilling.	Drilling machines are Blasting is avoided in for arrest of dust ger	windy condition; F	Plantation is being do		
(vii)	Plantation shall be raised in an area of 63.8 ha	Plantation carried ou	t for different year	s is as follows.	and private the	
	including a green belt of adequate width by	Year	On Bund	Other area	Total	
	planting the native species around the ML area,	2009-10		5500	5500	
	roads, OB dump sites etc. in consultation with the local DFO / Agriculture Department. The	2010-11	3450	3415	6865	
	density of the trees shall be around 2500 plants	2011-12	3246	1504	4750	
	per ha.	2012-13	800	2315	3115	
		2013-14		7492	7492	
		2014-15	3850		3850	
		2015-16	1945	4805	6750	
		2016-17	2000	4994	6994	
		2017-18	1030	3045	4075	
		2018-19	1067	1910	2977	
		2019-20	0	1995	1995	Treath of
		2020-21	0	2340	2340	
		2021-22	1770	1490	3260	
		2022-23	• 0	2380	2380	
		2023-24 As on Sept'2023	2680	1470	4150	
(viii)	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	constructing check d lease. We have sub- letter no.VC: WS: M	am in lower laying nitted a letter to TINES: CKJ: 66: 200	een taken to augmen area and making garl he Regional Director 09 / 10 : 849 Dated (rely increasing order	and drains along t , CGWB, Bangalor 06 [/] 11/2009 about	the mining e vide ou the wate

(ix)	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), 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 Central Ground	The result of ground water level and quality monitoring report (from Oct'2022 to March'2023) collected from GWSU Gulbarga and water quality report for Winter season 2022-23 is submitted to Ministry vide our letter VC/WS/MINE/UVR/66A/2023-24/182 Dtd 22.04.2023.
(x)	Water Board. The project proponent shall convert the mined out area into pisciculture and as a source of drinking water and recreational activities and form a cooperative society of local people to	Vasavadatta Cement will encourage pisciculture once the mine life is exhausted as per IBM approved Review of Mining Plan including progressive Mine Closure Plan for period from 2022-23 to 2026-27 pertaining to Injepalli Limestone Mine is approved from the Indian Bureau of
	undertake pisciculture.	mines Bangalore vide 279/168/90/BNG/100 dtd 27.01.2022 Along with PMCP. Regular monitoring of vehicular emission is done once in every six months as required under

(xii)	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.	Review of Mining Plan including progressive Mine Closure Plan for period from 2022-23 to 2026-27 pertaining to Injepalli Limestone Mine is approved from the Indian Bureau of mines Bangalore vide 279/168/90/BNG/100 dtd 27.01.2022 Along with PMCP we have submitted the bank Guarantee for Rs.11,73,80,000/- (Rupees Eleven Crores Seventy-three Lakhs Eighty Thousand Only) for period from 01.04.2012 to 31.03.2027. Towards financial assurance. As per new rule 27(1) of Mineral Conservation and Development (Amendment) rules,2021 and rules of MCDR 2017 @ of Rs.5,00,000/- per Ha.
(xiii)	The project proponent shall engage a doctor who is trained in occupational health.	Doctor is appointed with qualification of MBBS & AFIH and also trained in ILO Classification as prescribed by DGMS.
		Apart from above Vasavadatta cement has facilities
		Clinical Laboratory -
		• ECG -
	in the state of state and the	Spirometry -
	to show of trailmin it the after his	Audiometer-
	The state of the s	Ultrasound -
		Pulse Oximeter -
		Nebulizer -
	trades in East and any and the second	Autoclave -
	of early farmer or more proportion, and one	Handling Biomedical waste -
Gener	ral Conditions	continuent for the state of community and state of the production
(i)	No change in mining technology and scope of working shall be made without prior approval of the Ministry Of Environment & Forests.	Any change in the technology and scope of working will be implemented after a prior approval of MoEF
(ii)	No change in the calendar plan including excavation, quantum of mineral, limestone and waste shall be made.	No changes will be made in calendar plan including excavation, quantum of limestone handling.

(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.	Vasavadatta cement having full-fledged horticulture department to look plantation activities in and around the Mines.	
(iv) Four ambient air quality-monitoring stations shall be established in the core zone as well as in the buffer zone for RPM, SPM, SO ₂ and NO _x monitoring. Location of the stations should be decided based on the meteorological data, topographical features and environmentally and ecologically sensitive targets and the frequency of monitoring should be undertaken in consultation with the State Pollution Control Board.		the State Pollution Control Board. Four permanent AAQ stations (02 in Core & 02 in Buffer zone is fixed) with the approval of KSPCB. The monitoring of ambient air quality is in accordance with the MoEF Notification, NAAQ Standards 2009	
(v)	Data on ambient air quality (RPM, SPM, SO ₂ , NO _x) should be regularly submitted to the Ministry including its Regional Office located at Bangalore and the State Pollution Control Board / Central Pollution Control Board once in six months.	Environmental monitoring report from (October'2022 to March'2023) vide : VC/WS/MINE/VD/66A/2023-24/348. Dtd 13.06.2023 is submitted to Moefcc for Post-Monsoon- 2022, Winter - 2023 & Summer Seasons for 2023.	
(vi)	Fugitive dust emissions from all the sources shall	1) Drills are wet operated.	
	be controlled regularly. Water spraying arrangement on haul roads, loading and unloading and at transfer points shall be provided and properly maintained.	2) Water is sprayed regularly on Haul roads there are two Mist type water tankers are deployed this are also fitted with rain guns for spraying water on blasted heap before commencement of Loading operations.	
		3) One NIVIS water taker is deployed for suppression of respirable dust at loading point of LG Stock as well as on haul roads.	
		4) Static Water sprinklers are installed at the crusher hopper and Haul roads which are operated continuously.	
		5) The belt Curtain is installed in Hopper	
(vii)	Measures shall be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc., shall be provided with ear plugs/muffs.	1. Machineries are maintained in good condition by following scheduled and preventive maintenance.	
		2. All the HEMM are provided with AC Cabins.	
		3. Tightening of fasteners is done regularly.	
		4. Persons engaged in blasting, drilling & HEMM operations are provided with ear Plugs / muffs.	

			& Grease separation tank is cor the water used for HEMM wash		naintaine	d to separate the oil & grease content
	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 19 May, 1993 and 31 st December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharge of workshop	2. Water conforms to the standard prescribed under GSR 422 (E) General Standards for discharge of effluents inland surface water.				
		Water Quality of Mines Workshop effluent as per GSR-422(E) During During Monsoon Season 2023-24.				
		Oil and Grease separation tank is constructed & maintained to separate the oil, grease content from the water used for Heavy Earth Moving Machineries washing. The Oil and grease trap Water confirms to the standards prescribed under GSR 422(E).				
		The wastewater is being properly collected & treated to the GSR 422 (E) standards. Presently, the wastewater from power plant is utilized for plantation purpose.				
(viii)						
		The la		iter Season20)22-23 ca	rried out in <u>August '2023</u> as tabulated
	effluents.	S No	Characteristics	Max	Min	Stipulated
		1	рН	7.97	7.76	5.5 to 9.0
	extends about the motor sold and bright	2	TDS, mg/I	289	263	2100
	the principal of the party of t	3	Chlorides as CL, mg/l	38.6	45.1	1000
	and to the west for any short his Excellent to hear	4	Flouride as F, mg/l	1.38	1.31	Ben Allegate Long 2
		5	Sulphastes as SO4, mg/l	65.1	62.9	1000
		6	Iron as Fe, mg/I	0.05	0.02	1 40 20 400 4 10 - 1
		7	Colour	<1	<1.0 All efforts should be r	
		8	Odour	Objecti	onable	remove colour and unpleasant odour as far as practicable.

(ix)	Personnel working in dusty areas shall wear protective respiratory devices and they shall also	1. Personal Protective equipment's are issued to the personnel working in dusty areas.
	be provided with adequate training and information on safety and health aspects.	2. Regular health education, training and information are given to workers on safety & Health aspects.
(x)	(x) Occupational health surveillance program of the	1. Initial Medical examination of New appointed employees is done.
	workers shall be undertaken periodically to observe any contractions due to exposure to dust and take corrective measures, if needed.	2. Periodical Medical examination of Employees five year once for below 45 years age and Three years once for above 45 years of age is being carried out in accordance with the guidance of DGMS.
(xi)	A separate environmental management cell with suitable qualified personnel shall be set up under the control of a Senior Executive, who will report	Environment cell is provided with well qualified Engineers holding P.G in Environment to carryout various activities like stack emission monitoring, Ambient air quality monitoring, Noise monitoring at plant boundaries and machineries, Report preparation and
	directly to the Head of the Organization.	Compliances etc. The Environment Cell is set up under senior Executive of Head- Environment who is reporting directly to Chief Manufacturing Officer, for mines environmental monitoring is done by NABL accredited Lab i.e. Universal Enviro associates. Hyderabad.
(xii)	The project authorities shall inform to the Regional Office located at Bangalore regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Data submitted vide our letter no.VC: WS: ENV: CKJ: B82A/2007/1562 dated. July 19, 2007 regarding date of financial closure.
(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 Bangalore.	The funds earmarked & year-wise expenditure reports for environmental protection measures for the financial year 2022-23 is being submitted to MoEF, vide our letter no.VC/WS/MINE/UVR/2023-24/272 Dated 25.05.2023 and funds are not diverted for any other purposes.

(xiv)	The project authorities shall inform to the Regional Office located at Bangalore regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Financial closures is submitted vide our letter no.VC:WS:ENV:CKJ:B82A/2007/1562 dated. July 19 th , 2007 regarding date of financial closure.		
(xv)	The Regional Office of this Ministry located at Bangalore shall monitor compliance of the stipulated conditions. The project authorities should extend full cooperation to the officer(s) of the Regional Office by furnishing the requisite data/information/monitoring reports.	the requisite data / information / monitoring reports. Six monthly compliance reports and the monitored data along with statistical interpretation will be submitted.		
(xvi)	A copy of the clearance letter will be marked to concerned Panchayat / local NGO, if any, from whom any suggestion / representation has been received while processing the proposal.	A copy of clearance is already submitted to concern Panchayat.		
(xvii)	State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office / Tehsildar's Office for 30 days.	A copy of clearance has already been displayed as advised.		
(xviii)	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 days of the issue of the clearance letter informing that the project	The EC copy is advertised in Two newspapers namely		
		1) Deccan Herald. 2) Prajavani.		
	has been accorded environmental clearance and a copy of the clearance letter is available with the State Pollution Control Board and may also at web site of the Ministry of Environment and Forests at http://envfor.nic.in and a copy of the same shall be forwarded to the Regional Office of this Ministry located Bangalore.	Additionally we are hosting EC compliance reports in company web site https://www.birlashakticement.com on half yearly basis.		

6	The Ministry or any other competent authority may alter/modify the above conditions or stipulate any further condition in the interest of environment protection.	Vasavadatta cement will comply if any additional condition stipulated on us.
7	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Vasavadatta cement will abide to the condition.
8	The above conditions will be enforced inter-alia, under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with	Vasavadatta cement will abide to the condition.
	their amendments and rules.	Level State Pollution Spirited Seam abunda Harring at Assessed Statistics has Marring December 2015
		Promotion that salves yeared period cellular and cellular
		Water the property of the party