

SHREE CEMENT LIMITED







(UNIT-SHREE RAIPUR CEMENT PLANT)

Village: Khaparadih, Tehsil: Simga, Distt. Baloda Bazar-Bhatapara (C.G) Pin: 493332,

Ph.:07727-203101, CIN No.: L26943RJ1979PLC001935

SRCP/ENV/2022-23/132

Date: 26/11/2022

To,
The Member Secretary,
State Environment Impact Assessment Authority
Paryavas Bhavan, North Block, Sector-19
Naya Raipur (C.G)

Sub: Submission of Half Yearly compliance report of Environmental Clearance for Township of Shree Raipur Cement Plant (A unit of Shree Cement Ltd.) located at Village - Bharuwadih, Tehsil - Balodabazar, District - Balodabazar - Bhatapara (Chhattisgarh) for the period from April 2022 to September 2022.

Ref: - EC Letter No. 1218/S.E.I.A.A., C.G./Residential project/B.B./2147, New Raipur dated 22/12/2016.

Dear Sir,

With reference to the above subject, we are submitting herewith Six Monthly Environment Clearance (EC) compliance status report of Township of Shree Raipur Cement Plant (A unit of Shree Cement Ltd.) located at Village - Bharuwadih, Tehsil - Balodabazar, District - Balodabazar - Bhatapara (Chhattisgarh) for the period from April - 2022 to September - 2022.

Submitted for your kind information and record please.

Thanking you

Yours faithfully

For Shree Raipur Cement Plant (A unit of Shree Cement Ltd.)

I.V. Mahesh

Asst. Vice President

Encl.- As above

CC to: -

 The In charge (Zonal Office), Central Pollution Control Board (CPCB), Parivesh Bhawan, Paryavaran Parisar E-5, Arera Colony, Bhopal-462016.

2. The Member Secretary, Chhattisgarh Environment Conservation Board, Paryavas Bhavan, North Block, Sector-19 Nawa Raipur, Atal Nagar (C.G).

 The Regional Officer, Chhattisgarh Environment Conservation Board, Commercial Complex, Chhattisgarh Housing Board Colony, Kabir Nagar, Raipur (C.G.) – 492099.

 Integrated regional Office, Aranya Bhawan, North Block, Sector-19, Naya Raipur, Atal Nagar, Chhattisgarh.

RAIPUR OFFICE : House No. 31/248, Civil Lines, Near C.M. House, Raipur-492001, Ph.: 0771-2430007, Fax: 0771-245007

■ REGD. OFFICE: Bangur Nagar, Post Box No. 33, Beawar, 305901, Dist. Ajmer (Raj.)
Phone: 01462-228101-105, Fax: 01462-228117/119, e-mail: shreebwr@shreecement.com, Website: www.shreecement.com

SIX MONTHLY COMPLIANCE REPORT OF ENVIRONMENT CLEARANCE (EC)

For

Township of Shree Raipur Cement Plant (A unit of Shree Cement Ltd.)

at

Village - Bharuwadih, Tehsil - Balodabazar, District - Balodabazar - Bhatapara (Chhattisgarh).

Submitted to:

Integrated Regional Office, Raipur
Ministry of Environment, Forests & Climate Change,
Central Pollution Control Board, Bhopal &
Chhattisgarh Environment Conservation Board, Raipur



by:

ENVIRONMENT MANAGEMENT DEPARTMENT

PERIOD: APRIL - 2022 - SEPTEMBER - 2022

SRCP Colony Environment Compliance Status report

Period from April - 2022 to September -2022

Name of Project:	SRCP Colony Shree Raipur Cement Plant (A unit of Shree Cement Ltd)					
Capacity & Location:	SRCP Colony (residential Colony) Total Colony area 220854 sq. meter (22.085 ha) and buildup area-110111 sq. meter at Village — Bharuwadih, Distt Balodabazar - Bhatapara (Chhattisgarh).					
EC letter No.:	1218/S.E.I.A.A., C.G./Residential project/B.B./2147, New Raipur dated 22/12/2016.					

Sr. No	Conditions	Compliance Status
I	Construction Phase	
•	Facility of Laborers during construction	
i)	Construction camp and temporary labor sheds shall be located away from the construction site. Construction camps shall be provided for construction personnel to avoid indiscriminate settlement of construction workers and laborers.	Being Complied. Construction camp and temporary labor sheds are located away from the construction site. Construction camps are provided for construction personnel to avoid indiscriminate settlement of construction workers and laborers.
ii)	Provision to drinking water, waste water disposal, solid wastes management and primary health facilities shall be ensured for labour camps. Proper sanitation facilities shall be provided at the construction site to prevent health related problem. Domestic as well as sanitary wastes from construction camps shall be cleared regularly. Provision shall be made for mobile toilets. The safe disposal of wastewater and solid wastes generated during construction phase shall be ensured.	Being Complied. Provision to drinking water, wastewater disposal, solid wastes management and primary health facilities are being ensured for labour camps. Proper sanitation facilities have been provided at the construction site to prevent health related problem. Domestic as well as sanitary wastes from construction camps are cleared regularly.
iii)	Water usage during construction shall be optimized to avoid any wastage.	Being Complied. Water usage during construction is being optimized to avoid any wastage.
iv)	Adequate safely measures shall be adopted to the construction workers.	Being Complied. Adequate safely measures have been adopted.
v)	All the labourers to be engaged for construction works shall be screened for health and adequately treated before issue of work permits. The contractor shall ensure periodic health check-up of construction workers. A first Aid room shall be provided in the project both during construction and operation of the project.	Being Complied. Medical facilities are available.
vi)	Provision shall be made for the supply of kerosene or cooking gas/pressure cooker to the labourers during construction phase.	Being Complied.

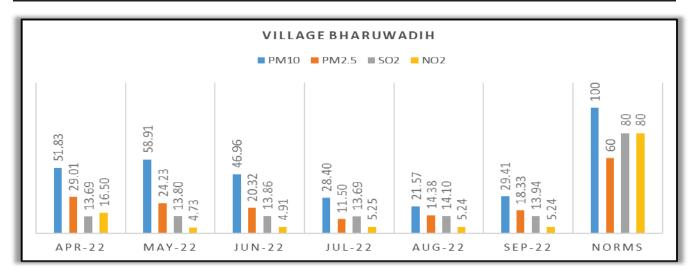
	Environmental Management During Construction :-	
i)	As far as practicable re-use of debris of demolished existing buildings/houses/structures at existing site is recommended with a special care for handling and disposal of asbestos waste if any. Rest of waste is to be disposed at the sanitary landfill disposal site.	Not Applicable. There is no Demolition, asbestos and other wastes generated from the construction site.
ii)	Appropriate measure like adequate drainage, embankment construction and slope stabilization shall be taken along the roads to avoid soil erosion. Top soils (20 cm) of the borrow pit sites shall be conserved and restored after completion of excavation. All the topsoil excavated during construction activities shall be stored for use in horticulture/landscape development within the project site. Proper erosion control and sediment control measures shall be adopted.	Being Complied. The top soil generated have been used for plantation purpose.
iii)	Earth material generated from excavation shall be reuse to the maximum possible extent as filling material during site development. The construction debris and surplus excavated material shall be disposed-off by mechanical transport in suitable pre-identified dumping areas to avoid land degradation and water logging due to indiscriminate dumping. Dumping areas shall be biologically reclaimed through topsoil cover and plantation.	Being Complied. Earth material generated from excavation is being reused as filling material at the site development.
iv)	A soil erosion and sedimentation control plan shall be prepared prior to construction. The soil erosion sediment control and storm water practices shall be incorporated depending upon the site characteristics to control soil erosion and loss of topsoil during construction.	Being Complied. There is no any soil erosion envisaged from the site however 8,500 Nos. of tree sapling have been planted at SRCP Colony.
v)	Disposal of muck including excavated material during construction phase shall not create any adverse effects on the neighboring communities and disposed-off taking the necessary precautions for general safety and health aspects.	Being Complied.
vi)	Low Sulphur diesel type diesel generator sets should be used during construction phase. Diesel generator sets during construction phase shall have acoustic enclosures and shall conform to Environment (Projection) Rules, 1986 prescribed for air and noise emission standards.	Being Complied. Installed DG fitted with acoustic enclosure and confirming the standards prescribed for noise and air emission.
vii)	All Vehicles/equipment's deployed during construction phase shall be ensured in good working condition and shall conform to applicable air and noise emission standards. These shall be operated only during non-peaking hours.	Being Complied. Regular maintenance of Vehicles/equipment's deployed during construction phase is being done to control the noise level and vehicles only having PUC certificate are deployed.
viii)	Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality shall be ensured during construction phase. Equipment noise levels shall be ensured during construction phase and closely monitored during construction phase. Adequate measures shall be provided to	Being Complied. Vehicles are maintained in good condition with proper oil and greasing to control unwanted noise pollution. Noise & Ambient Air Monitoring being done. Reports of Continuous Ambient Air Quality

maintain ambient air quality and noise levels during construction phase, so as to conform to the stipulated standards by CPCB/CECB. Fortnightly monitoring of ambient air quality (PM10,PM2.5, SO2 and NOX) shall be done.

monitoring are enclosed as **Annexure – I.**

Annexure – I

Conti	Continuous Ambient Air Quality Monitoring Report (Monthly Average Values) (μg/m³)								
Location Parameter Norms Monitoring Period									
Location	Parameter	NOTHIS	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	
	PM10	100	51.83	58.91	46.96	28.40	21.57	29.41	
Village	PM2.5	60	29.01	24.23	20.32	11.50	14.38	18.33	
Bharuwadih	SO2	80	13.69	13.80	13.86	13.69	14.10	13.94	
	NO2	80	16.50	4.73	4.91	5.25	5.24	5.24	



ix) The protective equipment's such as earplugs etc. Shall be provided to construction personnel exposed to high noise levels. Stationary construction equipment's generating noise shall be placed away from inhabited areas and silence zones. Construction activities carried out near residential area shall be scheduled to daytime only. Only limited necessary construction shall be done during night time. No unloading of construction materials shall be done at night. Vehicular noise and use of horns shall be controlled through enforcement of laws and public awareness. Use of pressure horns shall be strictly prohibited. To reduce noise level, the roads shall be designed to have more rows of plantation.

x) Construction spoils, including bituminous material and other

Being Complied.

The protective equipment's such as earplugs etc. are being provided to construction personnel exposed to high noise levels

Construction spoils, including bituminous material and other hazardous materials including oil from construction equipment's must not be allowed to contaminate watercourses and the dumpsites for such material must be secured so that they shall not leach into the ground water. If necessary, oil trap shall be installed where heavy machineries are deployed.

Being Complied.

All the necessary measures are being taken.

xi)	Proper and prior planning, sequencing and scheduling of all	Being Complied.
	major construction activities shall be done. Construction	Construction material is stored in covered
	material shall be stored in covered godowns / sheds. Trucks carrying soil, sand and other construction materials shall be	godowns / sheds. Ensuring trucks' carrying soil, sand and other construction materials are
	duly covered to prevent spillage and dust emission. Adequate	covered with tarpaulin.
	dust suppression measures shall be undertaken to control	Regular water sprinkling is being done for dust
	fugitive dust emission. Regular water sprinkling for dust	suppression to control dust emission.
,	suppression shall be ensured.	Data Constitut
xii)	Use of Ready-Mix concrete i.e. recommended for this project. Water demand during construction shall be reduced by use of	Being Complied. Ready-Mix concrete is being used for
	pre-mix concrete, curing agents and other best practices.	construction.
v:::\		
xiii)	Accumulation/stagnation of water shall avoid ensuring vector control.	Being complied.
xiv)	Regular supervision of the above and other measures shall be	Being Complied.
	in place all through the construction phase so as to avoid	Regular supervision being done to avoid
	disturbances to the surroundings.	disturbances to the surroundings.
	Selection of Materials for Better Energy Efficiency:-	
i)	Use of fly ash based bricks/ blocks/tiles/products shall be ensured. Blended cement with fly ash shall be used. The	Being Complied. Fly ash based bricks/blocks/products are being
	provisions of Notifications regarding use of fly ash must be	used for construction purpose.
	compiled with issued by Ministry of Environment, Forest and	asea for constituction parpose.
	Climate Change, Government of India. Appropriate usage of	
	other industrial wastes shall also be explored. Soil borrow	
	area should be filled up with ash with proper compaction and	
	covered with topsoil kept separately. Fly ash/ pond ash shall	
	be used for low – lying areas filling. In embankments / road construction etc. ash shall be utilized as per guidelines of	
	Ministry of Environment, Forest and Climate Change,	
	Government of India/ Central Pollution Control Board/ Indian	
	Road Congress etc. concerning authorities. The use of	
	perforated brick/ hollow blocks / fly ash based lightweight	
	aerated concrete etc. shall also be ensured so as to reduce	
::\	load on natural resources.	Paing Complied
ii)	Construction shall confirm to the requirements of local seismic regulations. The project proponent shall obtain	Being Complied. Our township project falls under seismic zone-II.
	permission for the plans and designs including structural	We are complying all applicable rule &
	design, standard, safety adequacy of fire fitting equipment's,	regulation related to the construction of colony.
	protection measures for lighting and specifications of all	Permission copy is attached as Annexure-2 A &
	construction works from concerned authority.	2B.
	construction works from concerned authority.	20.



(ईकाई श्री सीमेंट लिमिटेड) धापराबीह, सहसील शिममा जिला बलीदाबाजार-भाटापास (छ.ग.) विकास अनदा। बाहत ।

धर्मान्त्र संवर्षित आधेवन पत्र में व्यक्ताणित नृषि आधेवन /संस्था श्री रायपुर सीमेट प्लाट, (हंकाई सी सीमें किमिट, कार्यावीद, तावसील विभाग, जिल सर्वाधान, तावसील विभाग, ताव चपरोक्त संबर्धित आवंदन पत्र में यथावर्णित सूमि आवंदक/संस्था श्री रायपुर सीमेट प्लाट, (ईकाई भी सीन 0.291, 0.263, 0.526, 0.081, 0.132, 0.266, 0.328, 0.811, 0.137, 0.129, 0.384, 0.187, 0.089, 0.340, 0.578, 0.216, 0.077, 0.10 0.129, 0.363, 0.664, 0.482, 0.202, 0.162, 0.081, 0.587, 0.120 हो. सूल शासरा 77 गूल रुवाय 20.419 हे. पर आवासीय (स्टार बळाटर) प्रयोजनाय विकास को क्रियान्यधित करने की अनुज्ञा छ.ग. भूमि विकास नियम 1984 से नियम 27 के सहस निम्मिसीकी

बवारं) प्रयोजनान विकास को विध्यानकित करने की अनुष्ठा ए.स. भूनि विकास नियम, 1986 के नियम 27 के तहत निय्नशिक्षि करों के अध्यावीन रहते हुए प्रस्ता किया जाता है — (a) यदि ए.स. मू.-राजस्य शहिता, 1989 की धारा 172 के तहता मुझे का भू-व्यायवर्गन कराना आवश्यक हो, हो एंचिया विभाग से व्यायवर्गन कराया जाते । (a) ए.स. नरम प्राविक अधिविधार/ए.स. यान पंचायत अधिनियम के तहत कोई व्यनुस्ति/अनुष्ठा प्राप्त करना हो, हो ऐसी अनुस्ति प्राप्त करना पूर्णतः अनिवार्य होगा। कर व्यनुष्ठा इस अमार पर दी जाती है कि आविति मुझे व्यन्तवर होगा। सारहा तह्य के संबंध में कोई जानकारी असल्य पार्च जाने पर यह अनुष्ठा स्थाप निरस्त सामी जातेमी, जिसकी समस्त जवाबदार्थ आवेदक/संस्था की होती।

किसी भी रिव्यति में विकास अनुवा के विरुद्ध कोई विकास/निर्माण न किया जावें।

कार्यालय कार्यपालन अनियंता, ग्रानिण विकास संचारा, छ.म. ग्रामीण सहक अभिकरण, जिला बलीदाबाजार-कोबितिय कार्यपालन आनवात, प्रात्त्य (क्यान नामान, क्या, प्रात्त्य (क्यान नामान), क्या, प्रात्त्य (क्यान नामान), मारापाल (इ.स.) के पत्र क्यान कार्य कार्य (ब्रिक्ट / तक, / 2020, बतीयमाजार, दिलीक 19,08,2020 के अनुसार आवेदित भूमि के सम्मुख मार्ग की बीडाई 24,00 मीटर है। उस्त मार्ग क्या से 12,00 मी. छोड़कर सूर्णि की सीमा रेखा मानी जावे।

SUMBE 5 416

नगर तथा ग्राम निवेश बलीदाबाजार (छ.ग.)

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Permission copy is attached as **Annexure-2 A & 2B**

सीमांकन में किसी भी प्रकार का परिवर्तन अथवा साप में परिवर्तन हो, तो सीमांकित मानधित्र/अभिन्वास हुस कार्यालय से सत्यापित कराया जाना आवश्यक होगा।

मू-तल कवरेज एरिया मानचित्रानुसार होया।

फर्शी क्षेत्र अनुपात 1.25 से अधिक नहीं होगा।

छ.ग. मूर्मि विकास नियम, 1984 को नियम 64 को प्रावधानों के अनुसार प्रति 100 वर्गमीटर में एक वृक्ष की दर से वृक्षारोपण किया जाना अनिवार्य होगा ।

भवन निर्माण की अनुमति शंबंधित कार्यालय से प्राप्त करने के पश्चल ही भवन निर्माण कार्य किया जाना होगा.। छ.म. भूमि विकास नियम, 1984 (संशोधन, 2000) के नियम 78 (4) के प्रावधान के अनुसार रैन वाटर हार्वेस्टिय 90. वरणा करना आवश्यक होगा ।

मानचित्र में किसी भी प्रकार का परिवर्तन/संशोधन महन्य नहीं होगा। 11.

प्रतासन के निर्देश मुख्य करें कर अपने हुए हैं प्रतिस्था करते हैं हुए प्रतिस्था करते हैं है किया जारी तथा निर्माण कार्य सामन के निर्माण करते हैं हुए प्रतिस्था करते हैं हुए प्रतिस्था करते हैं है किया जारी तथा निर्माण कार्य में प्रनाई ऐसे बेस्क जैसे सीमेंट या कांकीट प्रनाई ऐसे ब्रिक्स या स्वीत्स या टाईव्स या करें प्रनाई ऐसे ब्रिक्स, 12 ब्लॉक्स या टाईस्स या सीमेंट फ्लाई ऐक ब्रिक्श या ब्लॉक्स का समान उत्पाद का छपयोग निर्माण कार्य में किया जावें।

इस अनुजा का यह आश्रय नहीं है कि प्रश्नाधीन धूमि शासकीय या अर्द्धशासकीय विभागों से प्रापा की जाने वाली अनुमतियों से मुक्त है अर्थात् यदि किशी प्रकार की अनुमति प्राप्त करना हो, तो ऐशी अनिवार्यता इस अनुजा से प्रभावित नहीं होगी।

निजी भूमि स्वामित्व के बाहर किसी भी प्रकार का अतिक्रमण न किया जावे।

भूमि स्वामी द्वारा शासकीय भूमि जैसे धरसा, सक्क, सार्वजनिक स्थल, खुला क्षेत्र, पार्क एव निकी भूमि होने पर अतिक्रमण न किया जावे एवं अन्य उपयोग में नहीं लिखा जावे। ऐसी स्थिति में विकास अनुसा स्वयं निरस्त मानी जावेगी।

छ.ग. नगर तथा ग्राम निवेश (संशोधन) अधिनियम, 2010 की धारा-33 में विशित प्रावधानी के अनुसार वह अनुता स्वीकृती दिनांक से 01 वर्ष तक प्रमावशील रहेगी। निर्माणित कालावधि में विवतस/निर्माण कार्य पूर्ण न होंने पर इस अनुष्ठा को वर्षानुकर्ष विकेशान्य कराना होगा. जिसकी कुल अवधि प्रथम अनुष्ठा दिनांक से अधिकतम 05 पांच वर्षों तक हो सकंगी।

जनव्यतिः/न्यायालयीन विवाद की स्थिति में यह अनुङा स्वमेव निरस्त मानी जादेगी।

इसं किसी भी पशा में भू-स्वामित्व अभिलेख न माना जावे।

पूर्व में आवेदित भूमि पर किसी आदिवासी का स्वामित्व पाये जाने एवं मू—राजस्व सांक्ष्ता, 1959 की धारा 165(6) का उल्लंघन पाये जाने पर यह अनुद्रा। स्वमेय निरस्त मानी जायेगी।

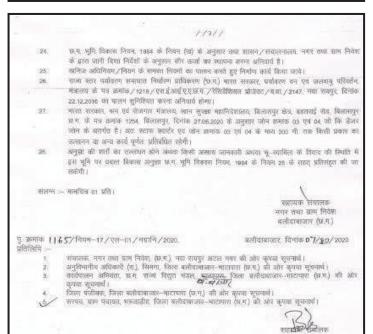
1. मुखण्ड में किसी भी प्रकार के भवन निर्माण/पुनर्निर्माण/भवन को गिराने के दौरान पर्यावरण संस्थाण एवं जनसुरक्षा तथा स्वारध्य के दृष्टिकोण से प्रदृषण की रोक्षमाम हेतु निर्माणातीन भवन के चारों ओर पूल अवरोधक लगाया जाना आवश्यक होगा। जिसमें निर्मालिखित सम्मलित होगी – स्थल की आवश्यकता अनुसार क्लॉज 2. भूमि स्वामी द्वारा अपने उत्तर वाविर्स्तो अथवा कर्ताव्यों का पालन नहीं किये जाने की दशा में घरतीसगढ़ भूमि हास नियम 1964 के नियम 31 (3) के अनुसार कार्यकाही की जावेगी।

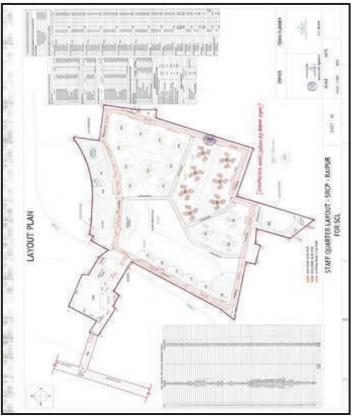
यह अनुद्रा शांतरम विभाग के सीमांचन प्रतिवेदन, जावेदका/संस्था के द्वारा प्रस्तुत प्रश्नामीम मृत्रि की विनती की बतलाबे अनुसार स्थल निशेक्षण एवं राजस्य निशेक्षक का बीहदूरी रिपोर्ट के आधार पर दी जा रही है। किसी भी प्रकार की मिन्नता पाये जाने पर आवेदक / संस्था स्वयं जिम्मेदार होगा। उसके लिए इस विभाग की कोई

जवाबदारी नहीं होगी तथा प्रदाय की गई विकास अनुवा स्वमंत्र निरस्त गानी जावेगी। आवासीय परिसर/टाऊनशीप/उद्योग/ध्यावसायिक कान्यतेक्स इत्यादि में उत्तर परिसर से उत्पन्न होने बाले दृषित जल उपचार हेतु सीवरेज ट्रीटमेंट प्लांट (SSP) की स्थापना एवं नियमानुसार पर्यावरण संस्क्रण मंडल से अनुमति प्राप्त किया जाना आवश्यक होगा।

अनुसार अपने कापो आपना आपता करिया है। छैना शासन्/संघालनातन/इस कार्यालन द्वारा समझ-संमय पर जारी आदेशो/निर्देशों के प्रतिन व अवेदक/संस्था के लिए वाक्यकारी होगा।

क्रमण ३ पर





iii)	Reduce the use of glazed surface as per National Building	Being Complied.
,	Code 2005. Use of glass in various buildings may be reduced	256 50
	up to 40 % to reduce the electricity consumption and load on	
	air- conditioning. If necessary, use of high quality double glass	
	with special reflective coating in windows. Roof of the various	
	buildings shall meet prescriptive requirement as per Energy	
	Conservation Building Code by using appropriate thermal	
	insulation material to fulfil requirement. Opaque wall shall	
	meet perspective requirement as per Energy Conservation	
	Building Code which is proposed to be mandatory for all air	
	conditioned spaces while it is inspirational for non-air-	
	conditioned spaces by use of appropriate thermal insulation	
	material to fulfill requirement.	
iv)	Use of energy efficient construction materials to achieve the	Being Complied.
	desired thermal comfort shall be incorporated. The desired	
	level of roof assembling 'U' factor and insulation 'R' value	
	must be achieved. Roof assembling 'U' factor for the top roof	
	shall not exceed 0.4 Watt/sq.m/degree centigrade with	
	appropriate modifications of specifications and building	
	technologies. The provisions of national Building Code 2005	
	shall be strictly followed.	
v)	Modern electrical power transmission & distribution system	Being Complied.
	shall be installed.	Modern electrical power transmission &
• • •	Construction of the constr	distribution system has been installed.
vi)	Street lighting shall be energy efficient. LED light shall be	Noted.
	provided in street lighting, garden, public place and houses.	
	LED lights and solar water heating systems shall be provided in the buildings (as required)	
vii)	Extensive network of cellular phones and landline shall be	Noted.
VII,	provided. The telephone and electric cables shall be laid in	Wolca.
	the same corridor. Adequate vertical and horizontal	
	separation between telephone and electric cable shall be	
	maintained.	
viii)	Reduced hard paving - Onsite (open area surrounding	Being Complied.
	building premises) and/or provide shade on hard paved	
	surfaces to minimize heat island effect and imperviousness of	
	the site.	
ix)	All air- conditioned buildings (if any) shall follow the norms	Noted.
	proposed in ECBC regulations framed by the bureau of Energy	
	Efficiency. Use of Chillers shall be CFC & HCFC free.	
(x)	Power requirement shall be met through Chhattisgarh State	Being Complied.
	Electricity Distribution Company Limited. Power backup shall	Power requirement is being met through
	be D.G. Sets, which should be acoustically proof and eco-	Chhattisgarh State Electricity Distribution
	friendly.	Company Limited. For Power backup D.G. Set
vil	The buildings shall have adequate distance assess the contract	has been installed with acoustic enclosure.
xi)	The buildings shall have adequate distance among them to	Being Complied.
	allow movement of fresh air and passage of natural light, air	
	and ventilation	
xii)	and ventilation. During Maintenance, energy efficient electric light fittings &	Being Complied.

	lamps – low power ballasts, low consumption high power	
	luminaries, lux level limiters & timers for street lighting shall	
	be provided. Used LED's shall be properly collected and	
	disposed off/sent for recycling as per the prevailing	
	guidelines/rules of the regulatory authority to avoid mercury	
	or other contamination. A report on the energy conservation	
	measure conforming to energy conservation norms finalized	
	by Bureau of Energy Efficiency shall be prepared	
	incorporating details about building materials & technology,	
	'R' value & 'U' factors etc.	
ļ.,	Water Body Conservation :-	
i)	Improvement or rehabilitation of existing natural streams,	Not applicable.
	channels / nallas falling within premises (if any) shall be	
	carried out without disturbing the ecological habitat.	
ii)	No untreated / treated waste water shall be discharged in the	Being Complied.
	any water bodies under any circumstances.	Domestic waste water is being treated in STP
		and treated water is being used for plantation
		purpose.
iii)	All the construction and preparatory activities shall be carried	Being Complied.
	out during dry seasons only.	All the construction and preparatory activities
		are being carried out during dry seasons only.
	Water Supply: -	
i)	Project proponent shall provide adequate measuring	Being Complied.
	arrangement at the inlet point of water uptake and at the	Water meters has been provided at the inlet
	discharge point for the measurement of water utilized in	point of water uptake and at the discharge
	different categories to monitor the daily water consumption.	point for the measurement of water utilized in
	Measuring arrangement for effluent generated shall also be	different categories to monitor the daily water
	provided.	consumption.
		Water Flow meter for measurement of effluent
		generated is provided.
ii)	Water saving practices such as usage of water saving devices /	Being Complied.
	fixtures, low flow flushing system, sensor based fixtures,	Water saving practices like water saving
	pressure reducing devices etc. shall be adopted.	devices/ fixtures, low flow flushing system etc.
		is adopted.
	Greening Programme :-	

i) Lay out of proposed buildings and roads etc. shall be made in such a way that it shall cause minimum disturbance to existing flora and fauna. Appropriate green belt shall be developed to compensate the habitat loss of trees for site clearing. The project proponent must obtain permission for tree cutting from competent authority as per prevailing act/rules. Plantation along the side of the roads and in the open spaces shall be developed to act as sinks of air pollutants. Adequate plantation programme along the roads and open spaces shall be planned. The plantation programme shall be drawn to confirm the natural climate conditions. The plantation shall consist of mixture of available indigenous, fast growing and sturdy species of trees, shrubs and herbs as proposed by the project proponent. Plantation shall be done in open spaces available within the premises. Trees of species like sagon, khamar etc which remain leafless for long time shall be avoided.

Being Complied.

Plantation along the side of the roads and in the open spaces are being developed. Please refer the following photographs.













	Sewage Management:-	
i)	Sewage Treatment plant with adequate capacity shall be installed. Sewage collection system of adequate capacity to convey the sewage during peak hours shall be laid to collect and convey the sewage from various buildings. The augmentation of STP shall be ensured before the completion of the buildings.	Being Complied. STP capacity of 350 KL/ Day & 150 KL/ Day have been installed for treatment of domestic waste water.
ii)	Domestic waste water after treatment shall be used in plantation and other uses. Zero discharge condition shall be maintained.	Being Complied. Domestic waste water after treatment is being used for plantation and other uses. Zero discharge condition is being maintained.
	Rain Water Harvesting Scheme:-	
i)	Rain water from open spaces shall be collected and reuse for landscaping and other purposes. Rooftop rainwater harvesting shall be adopted for the buildings. Every building shall have rainwater harvesting facilities. The storm water flowing in roadside drains shall also be recycled and reused to maintain the vegetation and treatment must be done to remove suspended matter and oil & grease. Rainwater harvesting pits shall be constructed as per proposal.	Rain Water harvesting pond of 20,000 KL capacity has been developed. The photograph of the Rain Water harvesting pond is attached as Photo no. 1.

Photo no. - 1



	Transport Management:-	
i)	Appropriate access shall be provided for physically challenged people in the pedestrian paths.	Being Complied. Appropriate access have been provided for physically challenged people in the pedestrian paths.
ii)	Traffic congestion near the entry and exit points from the roads adjoining the project site must be avoided. The design of service roads and the entry and exit from the building shall conform to the norms & standards prescribed by the National Highways authority of India / State public Works Development.	Being Complied.
iii)	Permeable (porous) paving in the parking areas and walkways & patio areas shall be used to control surface water runoff by allowing storm water to infiltrate the soil and return to ground water.	Being Complied.
iv)	The road drainage shall be designed to enable quick runoff of surface water and prevent water logging. The road level shall be kept at least 0.5 to 1.0 meter above the observed high flood level. The guidelines on urban drainage, IRC:SP-50 shall be followed. On the both sides of all roads, well —lit and smooth Will be complied. surfaced footpaths shall be provided. The hoardings shall be strictly prohibited along the roads.	Being Complied.
v)	Adequate provision shall be made to cater the parking needs. Parking shall be fully internalized and no public space be utilized parking spaces standards as given in Manual on Norms and Standards for Environment Clearance of Large Construction Projects, issued by Ministry if Environment, Forest and Climate Change, Government of India shall be adapted. Others:-	Being Complied. Fully internalized parking have been provided and No public space will be utilized as per the Norms and Standards for Environment Clearance of Large Construction Projects, Issued by Ministry of Environment, Forest and Climate Change, Government of India.
i)	All mandatory approvals and permissions as required shall be obtained.	Being Complied. All the necessary permission will be obtained.
ii)	Unskilled construction labourers shall be recruited from the local areas. Constructions materials shall be procured locally as far as possible.	Being followed.
iii)	Water heating system provided in the residential units and common buildings (if any) shall be 100% solar based only.	Being Complied.
iv)	Provision of composting for the biodegradable solid wastes as well as the large amount of biomass that shall be available from the tree plantation shall be made.	Being Complied.
v)	The ground water shall not be abstracted without prior permission from the competent authority in the project area.	Being Complied.

vi)	Adequate roadside drains shall be provided along the road to facilitate its better maintenance and increase in the life of the carriageway, which shall avoid soil erosion and land degradation due to water stagnation. The roadside drains shall be provided on both sides if the road, Longitudinal and cross drainage system shall be regularly maintained.	Being Complied.
	Adequate new drainage works and cross drainage structures shall be provided for smooth passage of runoff. Filling of existing natural drainage courses shall be strictly avoided. Suitable drainage at construction site and camp shall be provided to eliminate the formation of stagnant water pools.	
vii)	Regular supervision of the above and other measurement for monitoring shall be in place all through the construction phase, so as to avoid disturbance to the surroundings.	Being Complied. Regular supervision being done to avoid disturbances to the surroundings.
II.	Operation Phase	
	Sewage treatment plant :-	
i)	Project proponent shall operate and maintain the sewage collection/ conveyance system, sewage pumping system (if any) and sewage treatment system regularly to ensure the treated effluent quality within the standards prescribed by Ministry of Environment, Forest and Climate Change, Chhattisgarh of India or prescribed by Chhattisgarh Environment Conservation Board (which ever stringent) All the effluent treatment system shall be kept in good running conditions all the time and failure (if any), shall be immediately rectified without delay, otherwise same alternate arrangement shall be made for storage of untreated sewage until the control measure are rectified to achieve the desired efficiency. Project proponent shall install separate electric metering arrangement with time totalized for the running of pollution control systems. The record (logbook) of power & chemical consumption for running the pollution control systems shall be maintained.	Being Complied. STP capacity of 350 KL/ Day & 150 KL/ Day have been installed for treatment of domestic waste water and treated water is being used for plantation purpose. Please refer Annexure-3.

Annexure-3.

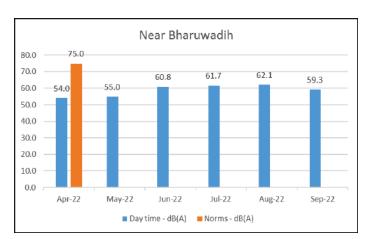


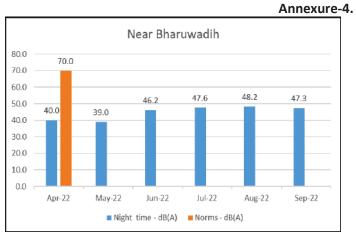


Sr. No.	Parameters	Prescribed Limit	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22
1	рН	5.5 - 9.0	7.82	7.8	7.52	7.8	7.6	7.81
2	Total Suspended Solids (TSS)	100	22	12	12	25	14	10
3	Biochemical Oxygen Demand (BOD)	250	10.8	15.8	12.4	12.6	16.8	8
4	Chemical Oxygen Demand (COD)	30	22.46	42.4	30.6	42.7	40.2	22
5	Oil & Grease	10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
6	Fecal coliform (FC)	1000	<100	<100	<100	<100	70	<100

						Į.		
	Municipal Solid Waste/Other Wastes :-							
i)	Three-chambered container or three bines (one for bedgradable, one for non-bio degradable and one domes hazardous waste) shall be placed at appropriate distance the roadside and inside building. Covered dustbins/garba collector in convenient places to collect the municipal so wastes shall be provided.	on on ige	Separ for no have	on-bio d been pl	ed. bins (one egradable, aced at a and inside l	one for oppropriate	other w	aste)
ii)	The proponent must develop the Solid Wastes Segregation Collection, Handing, Transportation and Disposal Schemensuring safe and scientific Segregation, collection, handling transportation and disposal of organic and inorganic portion the organic waste is to be composted/ Vermi composted the compost plant, the sludge generated from Sewal Treatment Plant (after drying) shall be used as manure for gardening purpose. Dry solid waste and recycling of recyclable wastes such as newspaper, aluminum cans glabottles, iron scrap and plastics etc. shall be ensured, municipal solid wastes shall be segregated, collected transported, treated and disposed as per provisions of the solid waste management rules, 2016.	ne ng, on, at age for all ass All	Organused The s Plant garde Dry so trans provis	as manui sludge ge (after dr ening pur olid wast ported,	e is convere in green enerated frying) is be	belt deve rom Sewa eing used a segregate and dispo	lopment ge Treat as manu ed , colle osed as	t. tment ire for ected, s per

iii)	Public awareness programmes of benefit if living a clean and healthy life by proper management of solid wastes shall be organized regularly.	Being Complied. Public awareness programmes of benefit of living a clean and healthy life are organized regularly.		
iv)	All hazardous wastes (if any) shall be segregated, collected, transported, treated and disposed as per provisions of the Hazardous and other wastes (Management and Trans boundary Movement) Rules, 2016.	Not Applicable. No hazardous waste will be generate from Colony.		
v)	The use of hand gloves, shoes and safety dress for all waste collectors and sorters shall be enforced.	Noted.		
Vi)	Recycling of all recyclable wastes such as newspaper, aluminum cans, glass bottles, iron scrap and plastics etc. shall be encouraged through private participation.	Being Complied.		
vii)	Necessary measurement shall be made to mitigate the odour problems from solid wastes processing plant.	Noted.		
	Others:			
i)	Project proponent shall make arrangement for collection, segregation, transportation and disposal of solid wastes generating during the operational phase as per provisions of the solid Waste Management Rules,2016, before the commissioning of the project.	Being Complied. Separate dust bins (one for bio degradable, one for non-bio degradable and one for other waste) has been placed at appropriate distance on the roadside and inside buildings. Organic waste is being converted into compost and used as manure in green belt development. The collected waste is being disposed through scientific manner.		
ii)	Project proponent shall make all necessary safety measures like firefighting, accident prevention etc. before the commissioning of the project.	Being Complied. All necessary safety measures adopted like firefighting teams, fire brigade, fire extinguishers, emergency preparedness etc.		
iii)	Noise shall be controlled to ensure that it does not exceed the prescribed standards. During night time the noise level measured at the boundary of the building shall be restricted to the permissible levels to comply with the prevented regulations.	Being Complied. All the noise control measures have been adopted. Noise monitoring report enclosed as Annexure-4.		





Shree Raipur Cement Plant Noise Monitoring Report						
S No.	Location	Near Bharua	dih)			
	Norm - dB(A)					
1	Apr-22	54.0				
2	May-22	55.0				
3	Jun-22	60.8	75			
4	Jul-22	61.7				
5	Aug-22	62.1				
6	Sep-22	59.3				

Shree Raipur Cement Plant Noise Monitoring Report						
S No.	Location	Near Bharu	adih)			
	Norm - dB(A)					
1	Apr-22	40.0				
2	May-22	39.0				
3	Jun-22	46.2	70			
4	Jul-22	47.6	/0			
5	Aug-22	48.2				
6	Sep-22	47.3				

iv)	Weep holes in the compound walls shall be provided to ensured natural drainage of rain water in the catchment area during the monsoon period.	Being Complied. Rain water harvesting pond capacity of 20,000 KL with internal drainage line has been constructed in colony.		
v)	The ground water level and its quality shall be monitored regularly in consultation with Central Ground Water Authority.	Being Complied. The ground water level & quality being monitored regularly. The monitoring report of the same is attached as Annexure – 5 & 6 respectively.		

	Annexure-5							
	Ground Water Level Monitoring Report (bgl) in meter							
Sr. No.	Month	AWLR-Near Old Mines Gate Level (M)	AWLR-Near Khapradih Gate (M)	AWLR-Near Crusher -1 (M) AWLR-Nea		AWLR-Near AAQMS-2 (Semradih Village) (M)	AWLR-Near AAQMS-4 (Khapradih Village) (M)	
1	Apr-22	15.84	31.12	19.34	7.00	14.92	36.10	
2	May-22	10.91	17.16	15.94	7.90	11.75	28.71	
3	Jun-22	12.07	15.83	16.24	6.76	10.15	25.19	
4	Jul-22	5.24	8.32	8.58	6.50	8.71	16.74	
5	Aug-22	2.61	4.65	5.30	6.17	6.04	11.51	
6	Sep-22	2.01	5.19	5.76	4.97	7.58	13.00	

S No	Parameters	Unit	Permissible Limit	Bharwadih	Mine Pit-2 RWH Pon
1	Colour	Hazen	15	<5	<5
2	Odour	-	Agreeable	Unobj.	Unobj.
3	Taste	-	Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	5	< 1	<1
5	рН	-	6.5 – 8.5	7.06	7.79
6	Conductivity	μS/cm	-	1191	517
7	Free Residual Chlorine	mg/L	1	< 0.1	<0.1
8	Total Dissolved Solids	mg/L	2000	682	305
9	Phenol (as C6H5OH)	mg/L	No Relaxation	<0.001	<0.001
10	Total Hardness (as CaCO3)	mg/L	600	372	148
11	Total Alkalinity (as CaCO3)	mg/L	600	414	110
12	Carbonates (as CO3)	mg/L	-	< 1	<1
13	Bi-Carbonate (as HCO3)	mg/L	-	414	110
14	Chloride (as Cl)	mg/L	1000	115	61
15	Sulphate (as SO4)	mg/L	400	56	53
16	Nitrate (as NO3)	mg/L	No Relaxation	10.5	7.5
17	Fluoride (as F)	mg/L	1.5	0.18	<0.05
18	Calcium (as Ca)	mg/L	200	117	40
19	Magnesium (as Mg)	mg/L	100	19	12
20	Sodium (as Na)	mg/L	-	90	45
21	Potassium (as K)	mg/L	-	2.5	2.5

		T	, · · · · · · · · · · · · · · · · · · ·				
22	Ammonia (as Total NH3-N)	mg/L	No Relaxation		<0.05	<0.05	
23	Boron (as B)	mg/L	2.4		<0.2	<0.2	
24	Chromium (as Cr)	Chromium (as Cr) mg/L No Relaxation		<0.05 <0.05		<0.05	
25	Copper (as Cu)	mg/L	1.5		<0.05	<0.05	
26	Manganese (as Mn)	mg/L	0.3		<0.05	<0.05	
27	Zinc (as Zn)	mg/L	15		0.16	<0.05	
28	Cadmium (as Cd)	mg/L	No Relaxation		<0.003	<0.003	
29	Iron (as Fe)	mg/L	No Relaxation		0.21	0.14	
30	Lead (as Pb)	mg/L	No Relaxation		<0.01	<0.01	
31	Silver (as Ag)	mg/L	No Relaxation		<0.05	<0.05	
32	Aluminium (as Al)	mg/L	0.2		<0.03	<0.03	
33	Nickel (as Ni)	mg/L	No Relaxation		<0.01	<0.01	
34	Arsenic (as As)	mg/L	No Relaxation		<2	<2	
35	Total Coliforms	MPN/100 ml	Shall not be		N.D.	N.D.	
			detectable in any				
			100 ml sample				
36	E- Coli	MPN/100 ml	Shall not be		N.D.	N.D.	
			detectable in any				
			100 ml sample				
				1			
	PART B – GENERAL CONDI	·					
i)	After approval of the firefighting system shall be		Noted	l.			
ii)	The environmental safeguard and mitigation measures			Noted	l.		
	contained in the application shall be implemented in letter and spirit.						
iii)	All the conditions, Liabilities and legal provision contained in				l.		
	the Environmental clearance shall be equally applicable to the						
	successor management o	f the project in	n the event of the				
	project proponent transfer	-	•				
	of management of the pro	ject to any othe	r entity.				
iv)	The project proponent shall make financial provision in the				Being Complied.		
	total budget if the project			The funds earmarked for the environmental			
	mentioned conditions and for suggested environmental				protection measures will not be diverted for		
	safeguard measures. The funds earmarked for the				other purposes. Total environment expenditure		
	environmental protection measures shall not be diverted for				incurred during the period from April -22 to		
	other purposes.			September -22 are as under: -			
				SN	Particular	Amount in Rs.	
				1	Plantation	930000	
				2	O&M STP	325737	
					Total	1255737	

v)	Six monthly monitoring reports shall be submitted to the SEIAA, Chhattisgarh, Regional office, Ministry of Environment Forest and Climate change, Government of India, Bhopal and Chhattisgarh environment Conservation Board, Naya Raipur who shall be monitoring the implementation of environmental safeguards shall be given full cooperation, facilities and documents / data by the project proponents during their inspection. A complete set of all the documents shall submit to State Level Environment Impact Assessment Authority, Chhattisgarh.	Being Complied. We are regularly submitting Six monthly EC Compliance Report to SEIAA, Chhattisgarh, Regional office, Ministry of Environment Forest and Climate change, Government of India, and Chhattisgarh environment Conservation Board, Naya Raipur (C.G.).
Vi)	The responsibility of implementation of environmental safeguards rests fully on the project proponent. Project proponent shall establish an environmental management cell under the supervision of senior executive, directly reporting to the head of organization.	Being Complied. We have established environmental management cell who directly reports to the Unit Head.
vii)	In the case of any change(s) in the scope of the project the project shall require a fresh appraisal by the SEIAA.	Noted.
viii)	The issuance of this letter does not convey any property rights in either real or personal property or any exclusive privileges nor does it authorize any injury to private property or any invasion of personal rights nor any infringement of central, state or local laws or regulations.	Noted.
ix)	All other statutory clearances from Chief Controller of Explosives, fire Department, civil Aviation Department, forest conservation act, 1980 and wildlife (protection) act, 1972 etc shall be obtained as applicable by project proponent. Project proponent shall obtain all necessary statutory clearance /licenses/permissions from concerned central government/state government departments, Boards, Bodies and corporations etc. Project proponent shall follow direction issued by Central government/State Government, Central pollution Board/Chhattisgarh Environment Conservation Board from time to time regarding control of water & air pollution and for environmental conservation.	Being Complied.
x)	The State Level Environment Impact Assessment Authority, Chhattisgarh reserves the right to ament the above conditions and add additional safeguard measures subsequently, if found necessary and to take action including revoking of the environment clearance under the provisions of the environmental (protection) Act.1986 to, ensure effective implementation of the suggested safeguard measures in a time-bound and satisfactory manner.	Agreed.

xi) The project proponent shall 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 within seven days from the date of this clearance letter, informing that the project has been accorded environment clearance and copies of clearance letter are available with the Chhattisgarh Environment Conservation Board and may also seen at Website of the SEIAA, Chhattisgarh at www.seiaacg.org.

Complied.

Advertised in two local newspapers i.e. Dainik Bhaskar & Hari Bhumi widely circulated in the region around the project on 28.12.16. Copy of newspapers cutting enclosed as **Annexure-7**.

Annexure-7



xiii)



to concerned panchayat, zila parisad/ municipal corporation, urban local body and the local NGO, if any from whom suggestion / representation, if any, received while processing the proposal. The clearance letter shall also be put on the website of the company by the proponent.

xiii) Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.

A copy of the clearance letter shall be sent by the proponent

Complied.

Copy of environment clearance letter has been sent to concerned panchayat, zila parisad/municipal corporation & urban local body.

EC letter has been put on our web site:www.shreecement.com

Noted.

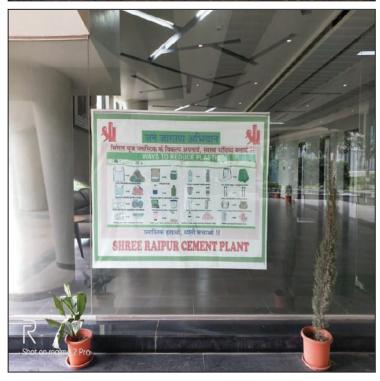
Compliance of MoEFCC Office Memorandum dated 18th, July 2022 for Sensitization on implementation of Ban on Single Use Plastic (SUP's)

Awareness through fixing of Banners at prominent places of Cement Plant, Mines and

Township area









Organized Marathon for awareness on No Single Use Plastic at SRCP









<u>Awareness Programme for workmen and Distribution of Cloth Bags</u>









Awareness programme for Township residence and Cloth bags distribution













Awareness programme at Schools of nearby Villages







