



SHREE CEMENT LTD.

An ISO 9001, 14001, 45001 & 50001 Certified Company

Regd. Office:

BANGUR NAGAR, POST BOX NO.33, BEAWAR 305901, RAJASTHAN, INDIA

CIN No. : L26943RJ1979PLC001935
Phone : 01462 228101-6
Toll Free : 1800 180 6003 / 6004
Fax : 01462 228117 / 228119
E-Mail : shreebwr@shreecement.com
Website : www.shreecement.com

SRCP/ENV/2022-23/31 8764

Date: 26/05/2022

✓ 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 for the period from October 2021 to March 2022 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).

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 for the period from October - 2021 to March - 2022 for Township of Shree Raipur Cement Plant (A unit of Shree Cement Ltd.) located at Village - Bharuwadih, Tehsil - Balodabazar, District - Balodabazar - Bhatapara (Chhattisgarh).

Submitted for your kind information and record please.

Thanking you

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


Dr. Anil Kumar Trivedi
Asst. Vice President & Head - Environment

Encl.- As above

CC to: -

1. 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).
3. The Regional Officer, Chhattisgarh Environment Conservation Board, Commercial Complex, Chhattisgarh Housing Board Colony, Kabir Nagar, Raipur (C.G.) - 492099.
4. Integrated regional Office, Aranya Bhawan, North Block, Sector-19, Naya Raipur, Atal Nagar, Chhattisgarh.

JAIPUR OFFICE : SB-187, Bapu Nagar, Opp. Rajasthan University, JLN Marg, Jaipur 302015
Phone : 0141 4241200, 4241204

NEW DELHI OFFICE : 122-123, Hans Bhawan, 1, Bahadurshah Zafar Marg, New Delhi 110002
Phone : 011 23370828, 23379218, 23370776

CORP. OFFICE : 21, Strand Road, Kolkata 700001 Phone : 033 22309601-4 Fax : 033 22434226

SRCP Colony Environment Compliance Status report

Period from October - 2021 to March -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	<u>Construction Phase</u>	
	<u>Facility of Laborers during construction</u>	
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 safety measures shall be adopted to the construction workers.	Being Complied. Adequate safety 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.
	<u>Environmental Management During Construction :-</u>	
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 5,000 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.
vi)	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.

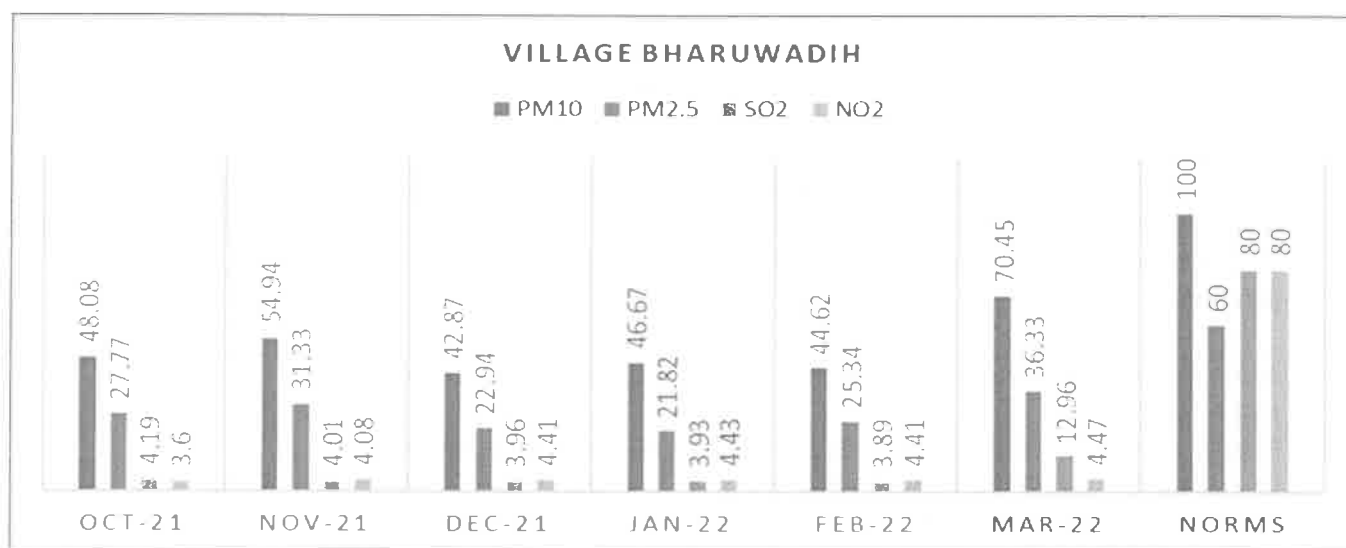
- vi
ii) Ambient noise levels shall conform to residential standards both during day and night. Incremental pollution loads on the ambient air and noise quality shall be ensured during construction phase. Equipment noise levels shall be ensured during construction phase and closely monitored during construction phase. Adequate measures shall be provided to 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.

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 Ambient Air Quality monitoring are enclosed as **Annexure – I**.

Annexure – I



Continuous Ambient Air Quality Monitoring Report (Monthly Average Values) ($\mu\text{g}/\text{m}^3$)

Continuous Ambient Air Quality Monitoring Report (Monthly Average Values) (µg/m³)								
Location	Parameter	Norms	Monitoring Period					
			Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
Village Bharuwadih	PM10	100	48.08	54.94	42.87	46.67	44.62	70.45
	PM2.5	60	27.77	31.33	22.94	21.82	25.34	36.33
	SO2	80	4.19	4.01	3.96	3.93	3.89	12.96
	NOx	80	3.6	4.08	4.41	4.43	4.41	4.47

- 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

Being Complied.

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

	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 hazardous materials including oil from construction equipments 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 major construction activities shall be done. Construction material shall be stored in covered godowns / sheds. Trucks carrying soil, sand and other construction materials shall be duly covered to prevent spillage and dust emission. Adequate dust suppression measures shall be undertaken to control fugitive dust emission. Regular water sprinkling for dust suppression shall be ensured.	Being Complied. Construction material is stored in covered godowns / sheds. Ensuring trucks' carrying soil, sand and other construction materials are covered with tarpaulin. Regular water sprinkling is being done for dust suppression to control dust emission.
xii)	Use of Ready-Mix concrete i.e. recommended for this project. Water demand during construction shall be reduced by use of pre-mix concrete, curing agents and other best practices.	Being Complied. Ready-Mix concrete is being used for construction.
xiii)	Accumulation/stagnation of water shall avoid ensuring vector control.	Being complied.
xiv)	Regular supervision of the above and other measures shall be in place all through the construction phase so as to avoid disturbances to the surroundings.	Being Complied. Regular supervision being done to avoid disturbances to the surroundings.
	<u>Selection of Materials for Better Energy Efficiency :-</u>	
i)	Use of fly ash based bricks/ blocks/tiles/products shall be ensured. Blended cement with fly ash shall be used. The provisions of Notifications regarding use of fly ash must be complied with issued by Ministry of Environment, Forest and 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.	Being Complied. Fly ash bricks are being used for construction purpose.

24. 0.15 ग्राम विकास नियम 1984 के नियम (घ) के अनुसार तब तक नगर/सकल-नगर नगर तथा ग्राम निवेश के द्वारा जारी दिशा निर्देशों के अनुसार एन.टी.डी. का सम्यक् कर्तव्य अर्पित है।
25. बजट/अनुमानित/निर्माण के समस्त निर्माण के पारदर्शक रूप से लेखांकन कार्य किया जाये।
26. राज्य स्तर पर योजना/समाधान निर्धारण प्राधिकरण (एन.टी.डी.) द्वारा तैयार, पब्लिशिंग एवं एन.टी.डी. के माध्यम से पत्र-व्यवहार/12/18/एसईआई/एन.टी.डी./निर्देशिकाएं/बजट/2147 नया रायपुर दिनांक 22.12.2018 को भारत में प्रसारित करना अनिवार्य होगा।
27. भारत सरकार, एन.टी.डी. के माध्यम से ग्राम विकास महानिदेशक, बिलासपुर क्षेत्र, बिलासपुर नगर विकास क्षेत्र के पत्र-व्यवहार/12/18/एसईआई/एन.टी.डी./निर्देशिकाएं/बजट/2147 नया रायपुर दिनांक 22.12.2018 को भारत में प्रसारित करना अनिवार्य होगा।
28. अनुसूची की शर्तों का उल्लंघन होने अथवा किसी अवसर पर जानकारी अथवा न.टी.डी. के विचारों को विचारों के 15 ग्राम विकास नियम 1984 के नियम 28 के तहत, प्रसारित की जा सकेगी।

संलग्न :- मानचित्र 01 शर्त।

सहायक सचालक
नगर तथा ग्राम निवेश
बलीदाबाजार (घ.म.)

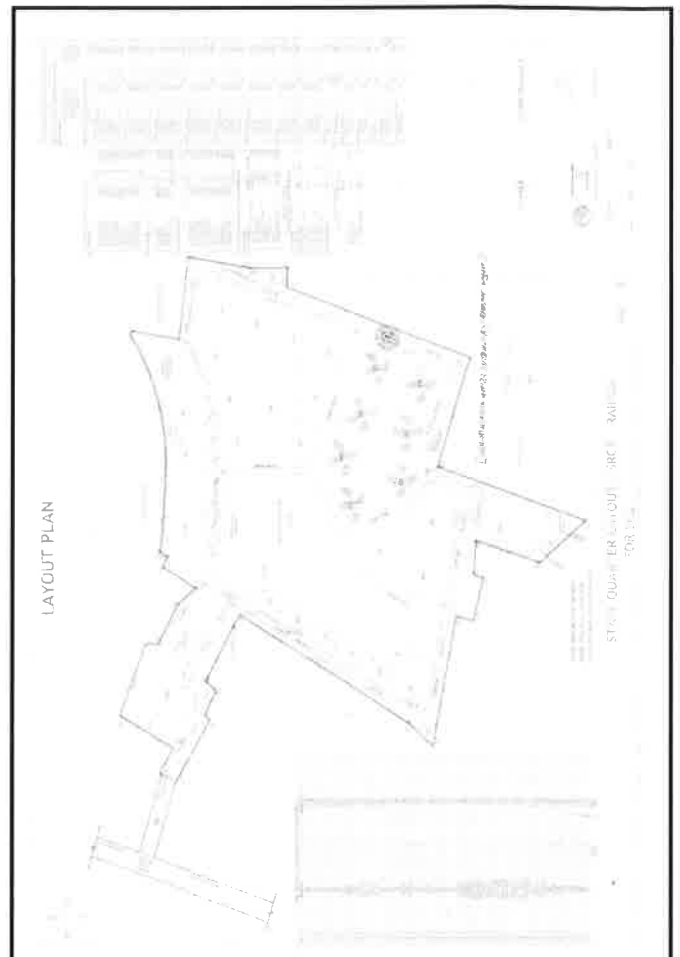
पु. क्रमांक 1165/नियम-17/रत-01/नगर/2020

बलीदाबाजार दिनांक 07/10/2020

प्रतिरूपित

1. सचालक नगर तथा ग्राम निवेश (घ.म.) नया रायपुर अंतर्गत नगर की ओर कृपया सूचनाएं।
2. अनुमानित/अनुमानित (घ.म.) निर्माण, बिलासपुर नगर-बिलासपुर (घ.म.) की ओर कृपया सूचनाएं।
3. बिलासपुर नगर विकास क्षेत्र के पत्र-व्यवहार/12/18/एसईआई/एन.टी.डी./निर्देशिकाएं/बजट/2147 नया रायपुर दिनांक 22.12.2018 को भारत में प्रसारित करना अनिवार्य होगा।
4. अनुसूची की शर्तों का उल्लंघन होने अथवा किसी अवसर पर जानकारी अथवा न.टी.डी. के विचारों को विचारों के 15 ग्राम विकास नियम 1984 के नियम 28 के तहत, प्रसारित की जा सकेगी।

सहायक सचालक
नगर तथा ग्राम निवेश
बलीदाबाजार (घ.म.)



iii)	Reduce the use of glazed surface as per National Building Code 2005. Use of glass in various buildings may be reduced 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.	Being Complied.
iv)	Use of energy efficient construction materials to achieve the 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	Being Complied.

	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 shall be installed.	Being Complied. Modern electrical power transmission & distribution system has been installed.
vi)	Street lighting shall be energy efficient. LED light shall be provided in street lighting, garden, public place and houses. LED lights and solar water heating systems shall be provided in the buildings (as required)	Noted.
vii)	Extensive network of cellular phones and landline shall be provided. The telephone and electric cables shall be laid in the same corridor. Adequate vertical and horizontal separation between telephone and electric cable shall be maintained.	Noted.
viii)	Reduced hard paving – Onsite (open area surrounding building premises) and/or provide shade on hard paved surfaces to minimize heat island effect and imperviousness of the site.	Being Complied.
ix)	All air- conditioned buildings (if any) shall follow the norms proposed in ECBC regulations framed by the bureau of Energy Efficiency. Use of Chillers shall be CFC & HCFC free.	Noted.
(x)	Power requirement shall be met through Chhattisgarh State Electricity Distribution Company Limited. Power backup shall be D.G. Sets, which should be acoustically proof and eco-friendly.	Being Complied. Power requirement is being met through Chhattisgarh State Electricity Distribution Company Limited. For Power backup D.G. Set has been installed with acoustic enclosure.
xi)	The buildings shall have adequate distance among them to allow movement of fresh air and passage of natural light, air and ventilation.	Being Complied.
xii)	During Maintenance, energy efficient electric light fittings & 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.	Being Complied.
	<u>Water Body Conservation :-</u>	
i)	Improvement or rehabilitation of existing natural streams, channels / nallas falling within premises (if any) shall be	Not applicable.

	carried out without disturbing the ecological habitat.	
ii)	No untreated / treated waste water shall be discharged in the any water bodies under any circumstances.	Being Complied. 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 out during dry seasons only.	Being Complied. All the construction and preparatory activities are being carried out during dry seasons only.
<u>Water Supply: -</u>		
i)	Project proponent shall provide adequate measuring arrangement at the inlet point of water uptake and at the discharge point for the measurement of water utilized in different categories to monitor the daily water consumption. Measuring arrangement for effluent generated shall also be provided.	Being Complied. Water meters has been provided at the inlet point of water uptake and at the discharge point for the measurement of water utilized in different categories to monitor the daily water consumption. Water Flow meter for measurement of effluent generated is provided.
ii)	Water saving practices such as usage of water saving devices / fixtures, low flow flushing system, sensor based fixtures, pressure reducing devices etc. shall be adopted.	Being Complied. Water saving practices like water saving devices/ fixtures, low flow flushing system etc. is adopted.
<u>Greening Programme :-</u>		
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	Being Complied. STP of 350 KL/ Day capacity has been installed for treatment of domestic waste water.
----	---	--

	augmentation of STP shall be ensured before the completion of the buildings.	
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.
	<u>Rain Water Harvesting Scheme:-</u>	
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



	<u>Transport Management:-</u>	
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	Being Complied.

	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.	
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 of Environment, Forest and Climate Change, Government of India shall be adapted.	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.
	<u>Others:-</u>	
i)	All mandatory approvals and permissions as required shall be obtained.	Being Complied. We have obtained CTE from CECB, Raipur vide letter no. 5703/TS/CECB/2018, dated:- 16.10.2018.
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 of the road, Longitudinal and cross drainage system shall be regularly maintained. 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.	Being Complied.
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.	<u>Operation Phase</u>	
	<u>Sewage treatment plant :-</u>	

- 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 for the capacity of 350 KLD has been installed for treatment of domestic waste water and treated water is being used for plantation purpose. Please refer **Annexure-3**.

Annexure-3.

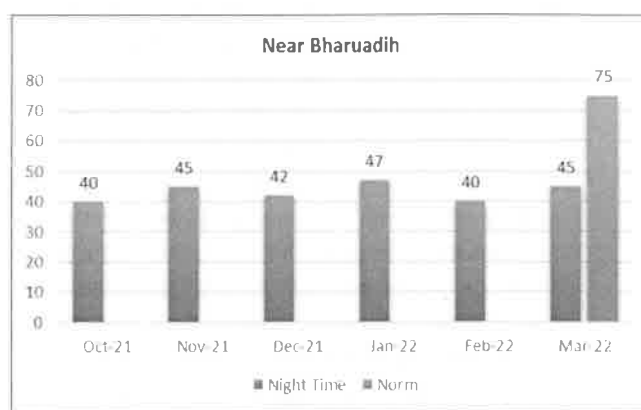
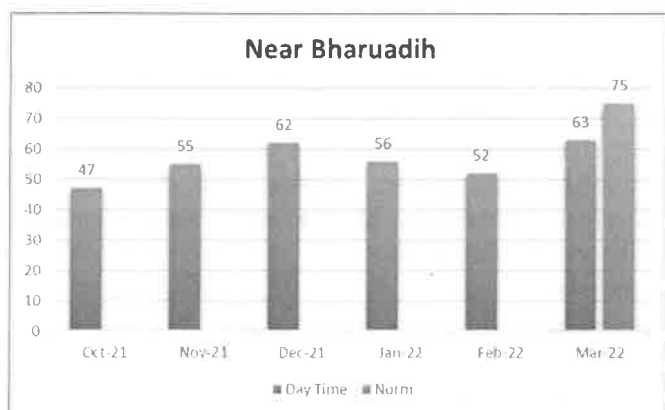


Sr. No.	Parameters	Prescribed Limit	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
1	pH	6.5-9.0	8.6	7.70	8.30	7.68	7.79	7.9
2	TSS	100	37	30	26	18	21	26
3	COD	250	60	50	30.42	28.84	32.25	30.26
4	BOD (3 day 27°)	30	10	9	8.73	10.60	11.80	12.60
5	Oil & Grease	10	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0
6	Fecal Coliform	1000	<100	<100	<100	<100	<100	<100

	Municipal Solid Waste/Other Wastes :-	
i)	Three-chambered container or three bins (one for bio degradable, one for non-bio degradable and one domestic hazardous waste) shall be placed at appropriate distance on the roadside and inside building. Covered dustbins/garbage collector in convenient places to collect the municipal solid wastes shall be provided.	Being Complied. Separate dust bins (one for bio degradable, one for non-bio degradable, one for other waste) have been placed at appropriate distance on the roadside and inside buildings.
ii)	The proponent must develop the Solid Wastes Segregation, Collection, Handling, Transportation and Disposal Scheme ensuring safe and scientific Segregation, collection, handling, transportation and disposal of organic and inorganic portion, the organic waste is to be composted/ Vermi composted at the compost plant, the sludge generated from Sewage Treatment Plant (after drying) shall be used as manure for gardening purpose. Dry solid waste and recycling of all recyclable wastes such as newspaper, aluminum cans glass bottles , iron scrap and plastics etc. shall be ensured, All municipal solid wastes shall be segregated , collected, transported, treated and disposed as per provisions of the solid waste management rules, 2016.	Being Complied. Organic waste is converted into compost and used as manure in green belt development. The sludge generated from Sewage Treatment Plant (after drying) is being used as manure for gardening purpose. Dry solid waste is being segregated , collected, transported, treated and disposed as per provisions of the solid waste management rules, 2016.
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 converted into compost and used as manure in green belt development. The collected waste is sent to municipal waste segregation site for further processing.

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 .

Annexure-4.



Shree Raipur Cement Plant Noise Monitoring Report			
S No.	Location	Near Bharuadih)	
	Month	Day Time	Norm
1	Oct-21	47	75
2	Nov-21	55	
3	Dec-21	62	
4	Jan-22	56	
5	Feb-22	52	
6	Mar-22	63	

Shree Raipur Cement Plant Noise Monitoring Report			
S No.	Location	Near Bharuadih)	
	Month	Night Time	Norm
1	Oct-21	40	70
2	Nov-21	45	
3	Dec-21	42	
4	Jan-22	47	
5	Feb-22	40	
6	Mar-22	45	

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. 20,000 KL capacity Rain water harvesting pond with internal drainage line being 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-1 (Near Old Mines Gate)	AWLR-2 (Near Khapradih Gate)	AWLR-3 (Near Semradih Village)	AWLR-4 (Near CAAQMS-3)	AWLR-5 (Near Crusher-1)	AWLR-6 (Near Khapradih Village)
1	Oct-21	2.26	6.80	8.96	7.10	6.40	11.05
2	Nov-21	5.41	10.60	11.86	4.45	9.46	13.69
3	Dec-21	8.38	14.16	14.38	4.09	11.30	17.70
4	Jan-22	10.41	14.96	15.84	4.10	12.49	20.37
5	Feb-22	13.11	18.00	14.08	6.15	17.40	30.78
6	Mar-22	15.14	22.43	15.61	7.57	19.51	35.27

Annexure – 6

Ground Water Quality Monitoring Report (December, 2021)

Sr.No.	Parameters	Unit	Permissible Limit	Bharuadih Village	Mines Pit
1	pH	-	No relaxation	7.25	8.02
2	Turbidity	NTU	5	<0.10	2.90
3	Total Alkalinity	mg/lit	600	256.00	122.00
4	Total Hardness as CaCO ₃	mg/lit	600	238.00	148.00
5	Ca Hardness as CaCO ₃	mg/lit	-	160.00	98.00
6	Mg Hardness as CaCO ₃	mg/lit	600	78.00	50.00
7	Chlorides as Cl	mg/lit	1000	24.99	15.99
8	Total Dissolved Solid	mg/lit	2000	415.00	281.00
9	Nitrate as NO ₃	mg/lit	No relaxation	9.23	9.25
10	Calcium as Ca	mg/lit	200	64.13	39.28
11	Magnesium as Mg	mg/lit	100	18.95	12.15
12	Sulphates as SO ₄	mg/lit	400	11.67	12.15
13	Iron As Fe	mg/lit	No relaxation	<0.05	<0.05
14	Copper as Cu	mg/lit	1.5	<0.03	<0.03
15	Fluoride as F	mg/lit	1.5	<0.10	<0.10
16	Manganese as Mn	mg/lit	0.3	<0.20	<0.20
17	Free Residual Chlorine	mg/lit	1	<1.00	<1.00
18	Zinc as Zn	mg/lit	15	<0.05	<0.05
19	Mineral oil	mg/lit	No relaxation	<2.00	<2.00
20	Phenolic compound	mg/lit	0.002	<0.0001	<0.0001
21	Ammonical Nitrogen (as NH ₃)	mg/lit	No relaxation	<0.05	<0.05
22	Anionic detergents (as MBAS)	mg/lit	1.0	<0.10	<0.10
23	Barium (as Ba)	mg/lit	No relaxation	<1.00	<1.00
24	Boron as B	mg/lit	1.0	<0.10	<0.10
25	Chloramines (as Cl ₂)	mg/lit	No relaxation	<1.00	<1.00
26	Sulphide (as H ₂ S)	mg/lit	No relaxation	<0.10	<0.10
27	Selenium (as Se),	mg/lit	No relaxation	<0.05	<0.05

	PART B – GENERAL CONDITIONS :-	
i)	After approval of the competent authority appropriate firefighting system shall be adapted.	Noted.
ii)	The environmental safeguard and mitigation measures contained in the application shall be implemented in letter and spirit.	Noted.
iii)	All the conditions, Liabilities and legal provision contained in the Environmental clearance shall be equally applicable to the successor management of the project in the event of the project proponent transferring the ownerships , maintenance of management of the project to any other entity.	Noted.
iv)	The project proponent shall make financial provision in the total budget if the project for implementation of the above mentioned conditions and for suggested environmental safeguard measures. The funds earmarked for the environmental protection measures shall not be diverted for other purposes.	Noted.
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 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. We have obtained CTE from CECB, Raipur Vide Letter No. 5703/TS/CECB/2018, Dated:- 16.10.2018.
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 .



xiii)	A copy of the clearance letter shall be sent by the proponent 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.	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
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.	Noted.