



CHHATTISGARH ENVIRONMENT CONSERVATION BOARD

Paryavas Bhawan, North Block, Sector - 19,

Atal Nagar, District - Raipur (C.G.)

E-mail - hocecb@gmail.com

No. 7341 /TS/CECB/ 2019

Atal Nagar, Dated 29 / 01/ 2019

To,

M/s Emami Cement Limited
Village - Risda, Suhela Road,
Balodabazar,

District – Balodabazar-Bhatapara (C.G.) 493332

Sub: - Renewal of the consent of the Board under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981.

Ref: -

1. Consent of the Board issued under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 vide letter no. 6045/TS/CECB/2018 Naya Raipur, dated: 31/01/2018 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 vide letter no. 6047/TS/CECB/2018 Naya Raipur, dated: 31/01/2018.
2. Last renewal of the Board issued under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 vide letter no. 3162/TS/CECB/2018 Naya Raipur, dated: 13/07/2018 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 vide letter no. 3164/TS/CECB/2018 Naya Raipur, dated: 13/07/2018.
3. Your online application dated: 22/12/2018 (online application no. 2142986)

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With reference to your above application, consents under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 are hereby renewed for a period of one year i.e. from 01/02/2019 to 31/01/2020, subject to the fulfillment of the terms and conditions incorporated in the water consent letter no. 6045/TS/CECB/2018 Naya Raipur, dated: 31/01/2018 and air consent letter no. 6047/TS/CECB/2018 Naya Raipur, dated: 31/01/2018 and additional conditions mentioned below.

These renewal of consents are valid for production capacity of: -

S. No.	Plant	Capacity
01	Cement (inclusive of Clinker Production 3.2 Million Tonnes per Annum)	2.5 Million Tonnes per Annum (Two Point Five Million Tonnes Per Annum)

02	Captive Power Generation	30 Megawatt (Thirty Megawatt)
03	Waste Heat Recovery Based Power Plant	09 Megawatt (Nine Megawatt)
04	Use of Pet-Coke	900 Tonnes Per Day (Nine Hundred Tonnes Per Day)

Additional Conditions

A. Water consent as per the Water (Prevention and Control of Pollution) Act, 1974

1. Industry shall not use biomass (rice husk) as fuel/raw material in the cement/ power plant in any case.
2. Industry use petcoke only as feed stock in existing cement kiln for clinker manufacturing.
3. Industry shall operate and maintain the effluent treatment system effectively and regularly. Industry shall ensure treated effluent quality within the standards prescribed by Board published in Gazette Notification dated 25.03.88 all the time. Industry shall not discharge any treated/untreated effluent into the river or any surface water bodies. No effluent shall be discharged outside of the factory premises in any circumstances; hence zero discharge condition shall be maintained all the time.
4. Industry shall follow the standards prescribed by Ministry of Environment, Forest and Climate Change, Government of India regarding cement plant and power plant.
5. Industry shall ensure compliance of Plastic Waste Management Rule 2016 (as amended) & seek registration from Central Pollution Control Board, Delhi under the responsibility of Brand Owners specified in Rule 9 (2) of Plastic Waste Management Rule, 2016 (as amended).
6. Industry shall provide safe and scientific arrangement for handling, storage, utilization and disposal of all solid wastes such as; ash and dust collected in air pollution control devices etc. Solid wastes/ ash shall not be stored in open areas under any circumstances. The ash shall be stored in silo only and regular use of ash / dust in cement manufacturing shall be ensured.
7. All internal roads shall be maintained pucca. Good housekeeping practices shall be adopted by the industry.
8. Industry shall ensure transportation of raw materials / fuel by mechanically covered vehicles.
9. Industry shall use fly ash brick, fly ash block and fly ash based products in the construction/repairing activities.
10. Wide green belt of local plant species shall be maintained all along the boundary of the plant premises. At least 33% area shall be used for green belt development. As far as possible maximum area of open spaces shall be utilized for plantation purposes.

11. Industry shall submit Environment Statement to this Board as per provision of Environment (Protection) Amendment Rule, 1993 for the previous year ending 31st March on or before 30th September every year.
12. This renewal of consent is being issued under the "Scheme of Auto-Renewal of Consent" of the Board issued vide office order no. 5937 dated 29/01/2018 as per self certificate submitted by authorized signatory Mr. Dilip Kumar Sharma, Sr. VP (Technical), M/s Emami Cement Limited, Village - Risda, Suhela Road, Balodabazar, District – Balodabazar-Bhatapara (C.G)
13. Chhattisgarh Environment Conservation Board reserves the rights to revoke the consent / renewal of consent at any time for any violation/non-compliance.

B. Air (Prevention and Control of Pollution) Act, 1981

1. Industry shall not use biomass (rice husk) as fuel/raw material in the cement/ power plant in any case.
2. Industry use petcoke only as feed stock in existing cement kiln for clinker manufacturing.
3. Industry shall operate and maintain the existing air pollution control equipments regularly and effectively so as to ensure the particulate matter emission level below 30 mg/Nm³ all the time. Ambient air quality shall be ensured within the limits prescribed by Board all the time. Chhattisgarh Environment Conservation Board may further stipulate stringent particulate matter emission limit depending upon environmental conditions.
4. Industry shall follow the standards prescribed by Ministry of Environment, Forest and Climate Change, Government of India regarding cement plant and power plant.
5. Industry shall ensure regular running of continuous ambient air quality monitoring station for monitoring of ambient air quality and Online Emission Monitoring System(s) for monitoring of pollutant's level in the stack(s). Industry shall submit stack and ambient air quality monitoring reports to the Board regularly.
6. Industry shall ensure compliance of Plastic Waste Management Rule 2016 (as amended) & seek registration from Central Pollution Control Board, Delhi under the responsibility of Brand Owners specified in Rule 9 (2) of Plastic Waste Management Rule, 2016 (as amended).
7. Industry shall provide safe and scientific arrangement for handling, storage, utilization and disposal of all solid wastes such as; ash and dust collected in air pollution control devices etc. Solid wastes/ ash shall not be stored in open areas under any circumstances. The ash shall be stored in silo only and regular use of ash / dust in cement manufacturing shall be ensured.

8. All internal roads shall be maintained pucca. Good housekeeping practices shall be adopted by the industry.
9. Industry shall ensure transportation of raw materials / fuel by mechanically covered vehicles.
10. Industry shall use fly ash brick, fly ash block and fly ash based products in the construction/repairing activities.
11. Wide green belt of local plant species shall be maintained all along the boundary of the plant premises. At least 33% area shall be used for green belt development. As far as possible maximum area of open spaces shall be utilized for plantation purposes.
12. Industry shall submit Environment statement to this Board as per provision of Environment (Protection) amendment Rule, 1993 for the previous year ending 31st March on or before 30th September every year.
13. This renewal of consent is being issued under the "Scheme of Auto-Renewal of Consent" of the Board issued vide office order no. 5937 dated 29/01/2018 as per self certificate submitted by authorized signatory Mr. Dilip Kumar Sharma, Sr. VP (Technical), M/s Emami Cement Limited, Village - Risda, Suhela Road, Balodabazar, District – Balodabazar-Bhatapara (C.G).
14. Chhattisgarh Environment Conservation Board reserves the rights to revoke the consent / renewal of consent at any time for any violation/non-compliance.

Member Secretary

Chhattisgarh Environment Conservation Board
Atal Nagar, District - Raipur (C.G.)

Endt. No. 7342 /TS/CECB/ 2019

Atal Nagar, Dated 29 / 01/ 2019

Copy to: -

Regional Officer, Regional Office, Chhattisgarh Environment Conservation Board, Raipur (C.G.). Please ensure compliance and report, if any condition/conditions are violated by the industry.

Sd/-

Member Secretary

Chhattisgarh Environment Conservation Board
Atal Nagar, District - Raipur (C.G.)



CHHATTISGARH ENVIRONMENT CONSERVATION BOARD
Paryavas Bhawan, North Block, Sector - 19,
Atal Nagar, District - Raipur (C.G.)
E-mail - hocecb@gmail.com

No. 5697/TS/CECB/ 2018

Atal Nagar, Dated 16/10/ 2018

To,

M/s Emami Cement Limited
Village – Kukurdih and Risda,
Tehsil - Balodabazar,
District – Balodabazar-Bhatapara (C.G.) 493332

Sub.: - Grant of Consent to Operate of the Board under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 and under Section 21 of the Air (Prevention and Control of Pollution) Act, 1981.

Ref.: - Your online application dated: 07/08/2018 and subsequent corresponding ending dated: 04/09/2018 (online application no. 1430878).

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With reference to your above application, consents under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 are hereby granted for period of one year starting from the date of issue of this letter, subject to the fulfillment of the terms and conditions annexed hereto as **PART 'A' & 'B'** respectively.

This consent is valid for following capacity: -

Name	Capacity
Limestone Mine (ROM) in lease area 395.05 ha	(5.5 Million Tonnes / Annum) (Five Point Five Million Tonnes / Annum)

Please acknowledge the receipt of this letter.

For & on behalf of
Chhattisgarh Environment Conservation Board

Member Secretary
Chhattisgarh Environment Conservation Board
Naya Raipur (C.G.)

Endt. No. 5698 /TS/CECB/2018

Atal Nagar, dated: 16/10/2018

Copy to: -

Regional Officer, Regional Office, Chhattisgarh Environment Conservation Board, Raipur (C.G.). Please ensure compliance and report, if any condition/conditions are violated by the industry.

Sd/-
Member Secretary
Chhattisgarh Environment Conservation Board
Atal Nagar, District - Raipur (C.G.)

PART-A

CONSENT LETTER

Sub: Grant of Consent to M/s Emami Cement Limited for the discharge of effluent under section 25 of the Water (Prevention & Control of Pollution) Act, 1974.

Ref: Online application dated: 07/08/2018 and subsequent corresponding ending dated: 04/09/2018 (online application no. 1430878) of M/s Emami Cement Limited (Expiry Date - After one year starting from the date of issue of this letter)

1. With reference to the above application for consent to discharge effluent into the natural water courses under the Water (Prevention & Control of Pollution) Act, 1974, here-in-after referred to as the Act M/s Emami Cement Limited is authorized by the State Board to discharge its industrial and other effluents arising out of their premises into the local stream/river/well in accordance with the general and special conditions as mentioned in the Annexure.
2. This consent shall be valid for a period of one year starting from the date of issue of this letter.

This consent is valid for following capacity: -

Name	Capacity
Limestone Mine (ROM) in lease area 395.05 ha	(5.5 Million Tonnes / Annum) (Five Point Five Million Tonnes / Annum)

For & on behalf of
Chhattisgarh Environment Conservation Board

Sd/-
Member Secretary
Chhattisgarh Environment Conservation Board
Atal Nagar, District - Raipur (C.G.)

Seal

Enclosure: Annexure

(I)
ANNEXURE

M/s Emami Cement Limited
Location of Factory:

Village – Kukurdih and Risda, Tehsil - Balodabazar,
District – Balodabazar-Bhatapara (C.G.)

Vide consent no. 49/EI/Raipur/CECB/2018

Dt 16/10/2018

A. GENERAL CONDITIONS: -

1. All discharges authorized shall be consistent with terms and conditions of this Consent Facility expansions, production increases or process Modifications which result in new or increased discharges of pollutants must be reported by submission of a new Consent, application or if such new, or increased discharge does not violate the effluent limitations specified in the Consent, by submission to the Board details of such new or increased discharges of pollutants in which case the consent may be modified to specify effluent limitations for any pollutants not identified and limited here in the discharge of any pollutant more frequently than or at a level in excess of that identified and authorized by the Consent shall constitute a violation of the terms and conditions of the Consent.
2. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to the following: -
 - (a) Violation of any terms and conditions of this Consent.
 - (b) Obtaining this Consent by misrepresentation or failure to disclose fully all relevant facts.
 - (c) A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.
3. Notwithstanding para(2) above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established for a toxic pollutant which is present in the discharge authorized here in and such standard or prohibition is more stringent than any limitation upon such pollutant in this Consent the Consent shall be revised or modified in accordance with the toxic effluent standard or prohibition that the Board may consider and the applicant shall be so notified.
4. The applicant shall allow the staff of Chhattisgarh Environment Conservation Board and/or their authorized representative, upon the Presentation of credentials:

- (a) To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
 - (b) To have access to and copy at reasonable time any records required to be kept under the terms and conditions of this Consent.
 - (c) To inspect at reasonable time any monitoring equipment or monitoring method required in this Consent; or
 - (d) To sample at reasonable time any discharge of pollutants.
5. The applicant shall at all times maintain in good working order and operate as efficiently as possible all treatment or control facilities of system installed or used by him to achieve compliance with the terms and conditions of this Consent.
 6. The issuance of this Consent 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 regulation.
 7. The Consent does not authorize or approve the construction of any physical structures or facilities or the undertaking of any work in any water course.
 8. The specific effluent limitations and other pollution controls applicable to the discharge permitted here in are set forth below as specific conditions. Also set forth below are self-monitoring and reporting requirements. Unless otherwise specified, the applicant shall submit duplicate original copies of all reports to the Chhattisgarh Environment Conservation Board. Except for data determined to be confidential all such reports shall be available for public inspection at the office of the Chhattisgarh Environment Conservation Board. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provide for in section 42 of the Act.

B. SPECIAL CONDITIONS: -

1. Initial Effluent limitation during the period beginning on the effective date of this consent and lasting until one calendar year discharge from outfalls shall be limited and monitored by the applicant as specified below: -

(a) The following shall be limited by the applicant as specified.

S.No.	Effluent Characteristics	Discharge Limitation	Monitoring Requirements
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	Average		Maximum		Frequency of Measurement	Type of Sample
	Mg/l	Kg/Day	Mg/l	Kg/Day		

Daily/Weekly/Monthly/Tri-monthly.

Grab/ 24 Hours Composite

In Addition to above discharge shall be limited and monitored as specified below:

S.No.	Effluent Characteristics	Discharge Limitation				Monitoring Requirements	
		Average		Maximum		Frequency of Measurement*	Type of Sample †
		Mg/l	Kg/Day	Mg/l	Kg/Day		

Daily/Weekly/Monthly/Tri-monthly.

Grab/ 24 Hours Composite

For the purpose of this sub-section, the daily average discharge is the total discharge by weight during the calendar month divided by the number of days in month the production or commercial facility was operating for the purpose of the sub-section the daily maximum discharge means the total discharge by weight during any calendar day.

(b) The pH shall not be less than 5.5 or greater than 9.0

2. Final effluent Limitation: - During the period beginning from 1st day of month of commissioning of the plant with expanded capacity and lasting until the date of expiration of this Consent, discharge from the outfalls shall be limited and monitored by the applicant as specified below:-

(a) The following shall be limited and monitored by the applicant as specified.

S. No.	Effluent Characteristics	Discharge Limitation				Monitoring Requirements	
		Average		Maximum		Frequency of Measurement*	Type of Sample †
		Mg/l	Kg/Day	Mg/l	Kg/Day		
1	B.O.D.	--	--			Monthly	24 hours
2	C.O.D.	--	--				Composite

3	S.S.	--	--		-		
	pH 5.5 to 9.0					Daily	Grab
	Flow :	Nil	Cum/Day		(Industrial and Domestic)		

* Daily/Weekly/Monthly/Tri-monthly.

† Grab/ 24 Hours Composite

Additional, outfalls shall be monitored as follows:

- (i) Flow, Temperature and Total solids: One per month
- (ii) Grab Samples Maximum discharge temperature above upstream receiving water shall be in accordance with the standard of ISI at. 40⁰C.

(iii) Uniform as per ISI 2490 at 40⁰C.

The temperature shall be monitored once per month of each outfall. For the purpose of the sub-section the daily average is the total discharge by weight during calendar month divided by the number of days in month that the production or commercial facility was operating for the purpose of this sub-section, the daily maximum discharge means the total discharge by weight during any calendar day.

(b) The pH shall not be less than 5.5 or greater than 9.0 for outfalls. The samples are taken as monthly, grab samples.

3. Schedule of Compliance for effluent Limitation:-The applicant shall achieve compliance with the effluent limitation: specified above for discharge from outfalls in accordance with the following schedule:

- (i) Report of Progress : Monthly
- (ii) Completion of final plans by
- (iii) Award of contract of other commitment of financing
- (iv) Commencement of construction by
- (v) Report of construction progress
- (vi) Completion of construction by
- (vii) Attainment of operational level by

Please see on page no 11 to 14

(b) The applicant shall submit to the Consent issuing Authority the required report of progress or where a specific action is required in (a) above to be taken by a certain date a written notice of compliance or non-compliance with each of the above scheduled dates, post marked not later than 14 days following each elapsed date. Each notice of compliance shall include the following: -

- (1) A short description of the non-compliance.
- (2) A description of any action taken or proposed by the applicant to comply with the elapsed scheduled requirement without further delay.

- (3) An estimate of any factor which tend to explain or mitigate the non-compliance, and
- (4) An estimate of the date, the applicant will comply with the elapsed scheduled requirement and assessment of the possibility that the applicant will meet the next scheduled requirement time.

4. Compilation of monitoring Data

- (a) Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.
- (b) Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet monitoring requirements specified above shall conform to such guidelines. Unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water & Waste Water 13th Edition of the American Public Health Association, New York U.S.A. shall be used.
- (c) The applicant shall take samples and measurement to meet the monthly requirements specified above at the location indicated below:

POINT OF SAMPLING

- (i) Outfalls of waste.
- (ii) 100 meters from point of confluence, down stream to river or lake.

5. Recording of Monitoring activities and Results:

- (a) The applicant shall make and maintain records of all information resulting from monitoring activities by this Consent.
- (b) The applicant shall record for each measurement of sample taken pursuant to the requirements of this Consent the following information:
 - (1) The date, exact place and time of sampling
 - (2) The dates on which analysis was performed.
 - (3) Who performed the analysis?
 - (4) The analytical techniques or methods used and
 - (5) The result of all required analysis.

- (c) If applicant monitors any pollutant more frequently as is required by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board, such increased frequency shall be indicated on the Discharge Monitoring Report form.
 - (d) The applicant shall retain for a minimum of 3 years all records of monitoring activities and result including all records of calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be the extent during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by the Central or State Board.
6. Reporting of Monitoring Results:
- (a) Monitoring information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring Report form duly filled in and signed, to the Board's office at the following address:
CHHATTISGARH ENVIRONMENT CONSERVATION BOARD
Paryavas Bhawan, North Block, Sector - 19,
Atal Nagar, District - Raipur (C.G.)
 - (b) Each submitted Discharge Monitoring Report shall be signed as follows:
 - (i) If submitted by Corporation by a Principal Executive Officer of at least the level of Vice-President or his duly authorized representative, if such representative is responsible for the overall operation of the facility from which the discharge described in the discharge Monitoring Report originates,
 - (ii) If submitted by a partnership firm, by a general partner.
 - (iii) If submitted by a sole proprietor, the proprietor,
 - (iv) If submitted by a Municipal, State or Central Government or other public enterprises, by a Principal Executive Officer, ranking elected official commanding officer, or other duly authorized employee.
 - (c) All information submitted on the Discharge Monitoring Form shall be based upon measurements and sampling carried out during the three previous calendar months. The first Discharge Monitoring Report shall be submitted for a period ending 60 days from issuance. Thereafter reporting period shall end on the last date of each month. The applicant shall submit a Discharge Monitoring Report post marked no later than 28th day of the month following each completed reporting period.
7. Limitation of Discharge of Oil Hazardous Substance in harmful quantities: The applicant shall not discharge oil in quantities defined

as harmful in regulations. In addition the applicant shall not discharge hazardous substance into natural water course in quantities defined as harmful in regulations promulgated by the Board. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

8. Limitation of visible Floating Solids and Foam: During the period beginning date of issuance and lasting until the date of expiration of this Consent the applicant shall not discharge floating solids or visible foam.
9. Disposal of Collected Solids:
 - a) Intake Water Treatment: Solid Sludge's, dirt, silt or other pollutant separated from or resulting from treatment of intake or supply waters prior to use by the applicant shall be disposed off in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish or other animals collected or trapped as a result of intake water screening or treatment may be returned to water,
 - b) Waste water Treatment, Solid sludge's, filter backwash or other pollutant removed from or resulting from treatment or control of waste waster shall be disposed of in such a manner as to prevent any pollutants from such materials from entering natural water.
10. Non-compliance with Effluent Limitations:
 - (a) If for any reason the applicant does not comply with or will be unable to comply with or will be unable to comply with any daily maximum effluent limitations specified in this Consent the applicant shall immediately notify the Consent issuing authority or his designee by telephone No. 0771-2512220 and provide the Consent issuing Authority with the following information in writing within 5 days of such notification:
 - i) Cause of non-compliance.
 - ii) A description of the non-complying discharge including its impact upon the receiving water.
 - iii) Anticipated time, of non compliance is expected to continue or if such condition has been corrected, the duration of non-compliance.
 - iv) Steps taken by the applicant to reduce and eliminate the non-complying discharge and;
 - v) Steps to be taken by the applicant to prevent recurrence of conditions of non compliance.
 - (b) The applicant shall take all responsible steps to minimize any adverse impact to natural waters resulting from non-

compliance with any effluent limitation specified in this Consent including such accelerated or additional monitoring as necessary to determine the nature and impact of the non-complying discharge.

- (c) Nothing in this Consent shall be construed to relieve the applicant from civil or criminal penalties for non-compliance, whether or not such non-compliance is due to factors beyond his control such as equipment break down electric power failure, accident or natural disaster.

Limitation of Batch Discharge.

SPECIAL CONDITIONS

- 11. Provision for Electric Power Failure: The applicant shall either-
 - (a) No later than certify in writing to the consent issuing authority that applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent or.
 - (b) No later than 30 days after the effective date of his Consent, certify in writing to the consent issuing authority that upon the reduction, loss, or failure of one or more of the primary sources of electric power to any facilities utilized by the applicant to maintain compliance with the terms and conditions of his consent, the applicant shall halt, reduce or otherwise Control production and/or all discharges in order to maintain compliance with the terms & conditions of this Consent.

- 12. Prohibition of By pass of Treatment Facilities: The diversion or by-pass of any discharge from facility utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except:
 - (i) Where unavoidable to prevent loss of life severe property damage, or
 - (ii) Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

- 13. Spill Prevention and Containment Plan: Within 90 days of the effective date of the Consent the applicant shall prepare and submit to the consent issuing authority; a Spill Prevention; Containment and Countermeasure Plan for the facility covered by this Consent. Such plan shall include the following information and procedures relating to the prevention of spills and unauthorized discharges or oil and hazardous substances;

- (a) A description of a reporting system to be used to notify immediately persons responsible for management of a facility and appropriate State and Central authorities;
- (b) A description of equipment or facilities (including overall facility) for the prevention, containment of spills and unauthorized discharge;
- (c) A list of all oil and hazardous materials used processed or stored at the facility including the normal quantity maintained on the premises for each listed material;
- (d) A brief description of any spills or unauthorized discharge which occurred during the 36 months period preceding the effective date of this Consent and subsequent measures taken by the applicant or reduce the possibility of further spills or unauthorized discharges; and.
- (e) An implementation schedule for additional equipment or facilities which might be required for sub para (b) above but which are not yet operational.

SPECIAL CONDITIONS

1. This consent is inclusive of Mining of Limestone - 3.17 Million Tonnes Per Year for which consent under section 25 of the Water (Prevention & Control of Pollution) Act, 1974 had been granted by Chhattisgarh Environment Conservation Board, Raipur vide letter no. 1284/TS/CECB/2016 Raipur, dated: 30/05/2016. The consent under section 25 of the Water (Prevention & Control of Pollution) Act, 1974 issued vide letter no. 1284/TS/CECB/2016 Raipur, dated: 30/05/2016 shall be treated as cancelled with effect from the date of issue of this letter.
2. Industry shall adhere to the stipulations incorporated in the environmental clearance issued by the Ministry of Environment, Forest & Climate Change, Government of India vide letter no. J-11015/135/2015-IA II (M), dated: 06/04/2018.
3. Mining of limestone shall not exceed 5.5 Million Tonnes / Annum (ROM) as per approved mining plan under any circumstances. The mining operations shall be limited to 395.05 ha area only.
4. Industry shall provide adequate facility for proper treatment of industrial (workshop effluent), mine discharge and domestic effluent. Industry shall provide neutralization cum pucca settling pond for treatment of mine discharge and oil & grease separator followed by settling tank for treatment of industrial (workshop effluent). Industry shall provide sewage treatment plant for treatment of domestic effluent generated in mine lease area. Industry shall ensure treated effluent quality within the standards prescribed by Board published in Gazette Notification dated 25.03.88.
5. Industry shall provide suitable arrangement of drains / pipe networks to ensure adequate flow for full utilization of treated effluent inside the mining lease area. The mine discharge effluent / domestic effluent / industrial effluent (workshop effluent) after proper treatment shall be utilized in plantation, dust suppression, sprinkling on roads or other useful purposes within premises. The industry shall provide proper arrangement for disinfection of treated domestic effluent before further utilization. Industry shall not discharge any liquid effluent what so ever generated in to the river or any surface water bodies. No effluent shall be discharged outside of the mining lease area in any circumstance. Hence, zero discharge condition shall be maintained all the time. Arrangements shall be made that effluents and storm water do not get mixed.
6. No natural watercourse shall be obstructed due to mining operations. Adequate barrier of no mining zone all along the side(s) facing the nallah (if any) passing through the lease area or passing adjacent to the lease shall be demarcated and thick vegetation of native species raised in the said barrier. It shall be ensured that no silt originating due to mining activity is transported to the surface water course running in and around the lease area.
7. Measures of prevention and control of soil erosion and management of silt shall be undertaken. Industry shall take effective steps to check the soil erosion from over burden / waste material dumping areas etc. and causing

silting problem in nearby nalla / river / pond during rainy season. Protection of dumps against erosion shall be carried out with geo textile matting or other suitable material, and thick plantations of native trees and shrubs shall be carried out at the dump slopes. Dumps shall be protected by retaining walls.

8. All internal roads shall be pucaa [either of TAR or Cement]. Good housekeeping practices shall be adopted by the industry. The roads shall be regularly cleaned. Facilities for parking of vehicles shall be created within the mine lease area.
9. Industry shall adopt rainwater-harvesting technique in the lease area for recharge of ground water. Rain water shall be properly stored and used for various purposes. Mined out quarry area shall be developed as water reservoir. The fencing around the reservoir shall be provided to prevent accidents.
10. Garland drain of appropriate size, gradient and length shall be constructed for both mine pit and for waste dump. 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 de-silted at regular intervals. Trenches / garlands drains shall be constructed at foot of dumps installed at regular intervals to arrest silt from being carried out to water bodies. Adequate number of Check Dams and Gully Plugs shall be constructed across seasonal / perennial nallahs (if any) flowing through the mining lease area and silts arrested. De-silting at regular intervals shall be carried out.
11. Industry shall make arrangement of mechanically covered vehicles for the transportation of limestone. The vehicles transporting rejects / solid wastes shall be covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the course of transportation. No overloading of minerals for transportation shall be committed.
12. Top soil / overburden / solid wastes shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (where ever applicable) for reclamation and rehabilitation of mined out areas. Top soil shall be separately stacked in earmarked area for utilizing later in mine reclamation and shall not be stacked along with overburden.
13. Over burden shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. Overall slope of the dump shall not exceed 28 deg. The maximum height of the dumps shall not exceed 8 meter and width 20 meter. Adequate measures shall be adopted to stabilize the slope before abandonment. The over burden dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off.
14. Plantation shall be raised in the specified area including 7.5 m wide green belt in the safety zone around the mining lease, OB dump(s), along the roads, etc. by planting the native species in consultation with the local DFO / Agriculture Department. Extensive tree plantation with broad leaf local plant species in and around mine lease area, stock yard, waste rock dumps, roads, other material dump sites etc. and in the open areas available within the premises shall be carried out. The density of the trees

- should be around 2500 plants per ha. Top soil shall be used for green belt development and for plantation / reclamation within a year of its generation. Industry shall abide by the decisions taken by Ministry of Environment, Forest and Climate Change, Government of India / Central Pollution Control Board / State Government / Chhattisgarh Environment Conservation Board from time to time in this regard.
15. Ground water in the core zone shall be regularly monitored for contamination and depletion due to mining activity and records maintained. 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 data shall be submitted to the Regional Office, Chhattisgarh Environment Conservation Board, Raipur and Head Office, Chhattisgarh Environment Conservation Board, Atal Nagar.
 16. Slope of the mining bench and ultimate pit limit shall be as per the mining plan approved by Indian Bureau of Mines. Bench height, width and slope for individual bench shall be properly assessed and implemented. Mining activity shall be carried out in such a way that prime land area may not get degraded. Industry shall ensure biologically reclamation of mined out areas. The post mining land use plan should be made compatible to the pre-mining land use plan to the extent possible by suitable land scaping the external and internal over burden.
 17. Industry shall make proper arrangement for safe and scientific handling, storage, management and disposal of all rejects / solid wastes. STP sludge shall be used as manure. Waste oil shall be sold to authorized recyclers / re-processors only. Industry shall obtain letter of authorization under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 from the Board, if any waste comes under the purview of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
 18. Industry shall obtain necessary permission for handling and storage of explosive material from Chief Controller of Explosives. Industry shall ensure that the blasting and other mining operations shall not cause any damages to nearby settlements. Controlled blasting shall be practiced.
 19. Industry shall establish an environmental management cell to carryout function relating to environmental management under the supervision of senior executive who will directly report to the head of organization. A full-fledged laboratory with qualified technical / scientific staff shall be provided to monitor the influent / effluent quality, ground water quality, storm water / runoff quality, surface water quality, soil quality and environmental samples etc.
 20. Necessary fund shall be provided for implementation of the above conditions and for environmental safeguards. The funds earmarked for environmental protection measures shall be kept in separate account and not diverted for any other purpose.
 21. Industry shall obtain all necessary statutory clearances / licenses / permissions from concerned Central Government / State Government Departments, Boards, Bodies and Corporations etc. Industry shall follow

direction issued by Central Government / State Government, Central Pollution Control Board / Chhattisgarh Environment Conservation Board from time to time regarding control of air pollution and for environmental conservation.

22. The issuance of this consent 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.
23. Any change in mining capacity, operation / process, project profile etc. shall be intimated to the Board and prior permission of the Board shall be obtained for the same.
24. Board reserves the right to amend / cancel any of the above conditions, stringent the effluent limits stipulated above and add new conditions as and when deemed necessary in the interest of environmental protection, change in the project profile or non-satisfactory implementation of the stipulated conditions etc.

This consent and the authorization to discharge shall expire after one year starting from the date of issue of this letter. The applicant shall not discharge after the date of expiration. The applicant shall submit such information forms and fees as required by the Board not later than 60 days prior to the date of expiry.

For & on behalf of
Chhattisgarh Environment Conservation Board

sd/-
Member Secretary
Chhattisgarh Environment Conservation Board
Naya Raipur (C.G.)

Part-B

CONSENT LETTER

Sub: Grant of Consent to M/s Emami Cement Limited for emission under section 21 of the Air (Prevention & Control of Pollution) Act, 1981.

Ref: Online application dated: 07/08/2018 and subsequent corresponding ending dated: 04/09/2018 (online application no. 1430878) of M/s Emami Cement Limited (Expiry Date - After one year starting from the date of issue of this letter).

1. With reference to the above application, consent under the Air (Prevention & Control of Pollution) Act, 1981 to M/s Emami Cement Limited is hereby granted by the State Board in accordance with the terms and conditions as mentioned below.
2. This consent shall be valid for a period of one year starting from the date of issue of this letter.

This consent is valid for following capacity: -

Name	Capacity
Limestone Mine (ROM) in lease area 395.05 ha	(5.5 Million Tonnes / Annum) (Five Point Five Million Tonnes / Annum)

Terms & Conditions: -

1. This consent is inclusive of Mining of Limestone - 3.17 Million Tonnes Per Year for which consent under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 had been granted by Chhattisgarh Environment Conservation Board, Raipur vide letter no. 1286/TS/CECB/2016 Raipur, dated: 30/05/2016. The consent under section 21 of the Air (Prevention & Control of Pollution) Act, 1981 issued vide letter no. 1286/TS/CECB/2016 Raipur, dated: 30/05/2016 shall be treated as cancelled with effect from the date of issue of this letter.
2. Industry shall adhere to the stipulations incorporated in the environmental clearance issued by the Ministry of Environment, Forest & Climate Change, Government of India vide letter no. J-11015/135/2015-IA II (M), dated: 06/04/2018.
3. Mining of lime stone shall not exceed 5.5 Million Tonnes / Annum (ROM) as per approved mining plan under any circumstances. The mining operations shall be limited to 395.05 ha area only.
4. Industry shall provide dust extraction system with bag filters of adequate capacity to control dust emission from limestone crushers. Wet drilling or using dust collectors etc. shall be used for control of dust emission. Industry shall provide adequate pollution control arrangements at all points and non point sources of emission of air pollutants so as to achieve limit of particulate matter 50 mg/Nm³ (Fifty Milligram / Normal Cubic Meter). Effective steps shall be taken to avoid fugitive emission during excavation, handling, crushing and transportation etc. of limestone and other waste materials. All transfer points / junction points and conveying system shall be covered. All transfer points / junction points and conveying system / belt conveyer, loading and unloading areas shall also have efficient dust control arrangements such as dust suppression system / dust extraction system with bag filter. Chhattisgarh

Environment Conservation Board may further stipulate stringent particulate matter emission limit depending upon environmental conditions. The height of stacks (if any) shall not be less than 30 meters.

5. Fugitive dust emissions from all the vulnerable sources shall be controlled. Water spraying arrangement on haul roads, loading, unloading and at transfer points shall be provided and properly maintained.
6. Ambient air quality within the mining lease area shall conform to the standards prescribed by Board.
7. Adequate number of permanent On-Line Continuous Ambient Air Quality Monitoring System (not less than three numbers) shall be installed in the core zone as well as buffer zone for in the down wind direction as well as where maximum ground level concentrations of PM₁₀, PM_{2.5}, NO_x, CO and SO₂ are anticipated in consultation with the Board. Monitoring network shall be designed taking into account the land use pattern, location of the stacks / fugitive emissions, meteorological conditions and topographic features including existing ambient air quality data. Data on ambient air quality and stack emission shall be communicated to the Board regularly.
8. Adequate buffer zone shall be maintained between two consecutive mineral bearing deposits.
9. All internal roads shall be pucaa [either of TAR or Cement]. Good housekeeping practices shall be adopted by the industry. The roads shall be regularly cleaned. Facilities for parking of vehicles shall be created within the mine lease area.
10. Industry shall make arrangement of mechanically covered vehicles for the transportation of limestone. The vehicles transporting rejects / solid wastes shall be covered with a tarpaulin or other suitable enclosures so that no dust particles / fine matters escape during the course of transportation. No overloading of minerals for transportation shall be committed. Vehicular emissions shall be kept under control and regularly monitored.
11. Top soil / overburden / solid wastes shall be stacked properly with proper slope and adequate safeguards and shall be utilized for backfilling (where ever applicable) for reclamation and rehabilitation of mined out areas. Top soil shall be separately stacked in earmarked area for utilizing later in mine reclamation and shall not be stacked along with overburden.
12. Over burden shall be stacked at earmarked dump site(s) only and shall not be kept active for long period. Overall slope of the dump shall not exceed 28 deg. The maximum height of the dumps shall not exceed 8 meter and width 20 meter. Adequate measures shall be adopted to stabilize the slope before abandonment. The over burden dumps shall be scientifically vegetated with suitable native species to prevent erosion and surface run off.
13. Plantation shall be raised in the specified area including 7.5 m wide green belt in the safety zone around the mining lease, OB dump(s), along the roads, etc by planting the native species in consultation with the local DFO / Agriculture Department. Extensive tree plantation with broad leaf local plant species in and around mine lease area, stock yard, waste rock dumps, roads, other material dump sites etc. and in the open areas available within the premises shall be carried out. The density of the trees should be around 2500 plants per ha. Top soil shall be used for green belt development and for plantation /

reclamation within a year of its generation. Industry shall abide by the decisions taken by Ministry of Environment, Forest and Climate Change, Government of India / Central Pollution Control Board / State Government / Chhattisgarh Environment Conservation Board from time to time in this regard.

14. Slope of the mining bench and ultimate pit limit shall be as per the mining plan approved by Indian Bureau of Mines. Bench height, width and slope for individual bench shall be properly assessed and implemented. Mining activity shall be carried out in such a way that prime land area may not get degraded. Industry shall ensure biological reclamation of mined out areas. The post mining land use plan should be made compatible to the pre-mining land use plan to the extent possible by suitable land scaping the external and internal over burden.
15. Industry shall make proper arrangement for safe and scientific handling, storage, management and disposal of all rejects / solid wastes. STP sludge shall be used as manure.
16. Industry shall obtain necessary permission for handling and storage of explosive material from Chief Controller of Explosives. Industry shall ensure that the blasting and other mining operations shall not cause any damages to nearby settlements. Controlled blasting shall be practiced.
17. Industry shall take due precaution and appropriate measures to arrest and minimize vibration and noise effects during mining activities. The noise level should not exceed the limit 75 dB(A) during the day time and 70 dB(A) during the night time within the mine lease area. Adequate measures shall be taken for control of noise levels below 85 dB(A) in the work environment. Workers engaged in operation of HEMM etc. shall be provided with ear plugs / muffs.
18. Industry shall establish an environmental management cell to carryout function relating to environmental management under the supervision of senior executive who will directly report to the head of organization.
19. Necessary fund shall be provided for implementation of the above conditions and for environmental safeguards. The funds earmarked for environmental protection measures shall be kept in separate account and not diverted for any other purpose.
20. Industry shall obtain all necessary statutory clearances / licenses / permissions from concerned Central Government / State Government Departments, Boards, Bodies and Corporations etc. Industry shall follow direction issued by Central Government / State Government, Central Pollution Control Board / Chhattisgarh Environment Conservation Board from time to time regarding control of air pollution and for environmental conservation.
21. The issuance of this consent 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.
22. Any change in mining capacity, operation / process, project profile etc. shall be intimated to the Board and prior permission of the Board shall be obtained for the same.
23. Board reserves the right to amend / cancel any of the above conditions, stringent the emission limits stipulated above and add new conditions as and

when deemed necessary in the interest of environmental protection, change in the project profile or non-satisfactory implementation of the stipulated conditions etc.

This consent is valid for the stated period and has to be renewed every year. Online application with annual license fee in this regard shall reach the office 02 months before the expiry of this consent.

For & on behalf of
Chhattisgarh Environment Conservation Board

Sd/-
Member Secretary
Chhattisgarh Environment Conservation Board
Naya Raipur (C.G.)