GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
(T) 079-23232152

CCA-Amendment
AWH - 132404

BY R.P.A.D.

NO: CCA – NAV -238(3)/GPCB ID -32765/ 784957 **Date** 28/02/2024

To,
M/s. Magicrete Building Solutions Pvt Ltd
Block No- 188 and 190, 192/1 & 192/2
Village- Arekh -396475,
Ta:- Jalalpore, Dist:- Navsari.

SUB :-Consolidated consent and Authorization (CC&A) under various Environmental Acts /Rules.

REF: - (1) Your CCA Amendment Application Inward No- 271385, dated- 30/12/2023.
(2) Previously issued CCA order No AWH-108192, Dated- 27.05.2020 under various Environmental Acts/Rules.
(3) Previously issued CTE-120887 vide this office letter No- CCA-NAV- 238(3)/GPCB ID-32765/681882 dated-01/09/2022.

Sir,

In exercise of the power conferred under section-25 of the water (Prevention of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution) 1981 and Hazardous waste and other wastes (Management & Transboundary Movement) Rules 2016. This Board is empowered to amend consent order –**108192** dtd: **27.05.2020**, valid up to -30/09/2020 issued under the provisions of the various Environmental Act/Rules, which stand amended as under.

1. The order shall be read as CCA amendment order No AWH - 132404, issue dtd: 15/02/2024,valid up to 23/03/2025.
2. The condition No-2 of the said CCA order is amended as below

2. The consents shall be valid up to **23/03/2025** for use of outlet for the discharge of trade effluent & emission due to operation of industrial plant for manufacture of the following items/ products:

Sr. No.	Product	Existing Quantity	Proposed Quantity	Total Quantity
1	Autoclaved Aerated Concrete Blocks (AAC)	30,000 M3/Month	10,000 M3/Month	40,000 M3/Month
2	Dry Cement Motor	2500 MT/Month	1500 MT/Month	40,000 MT/Month
3	Pre Cast ELements	---	2000 M3/Month	2000 M3/Month

SUBJECT TO THE FOLLOWING CONDITIONS: -

1. **Industry shall obtain CGWA permission for the ground water extraction.**
2. **Industry shall not carry out any activity which attract EIA notification.**
3. **Industry shall reuse generated wastewater and there shall be no any industrial wastewater shall be discharge in to environment by any mean.**

3. The condition No-3 of the said CCA order is amended as below:

3. CONDITIONS UNDER WATER ACT 1974:

3.1. Water Source: - Borewell.

3.2. The quantity of water consumption for industrial purpose shall not exceed **489.0 KL/day**.

3.3. The quantity of the water consumption for domestic purpose shall not exceed **20.0 KL/Day**.

3.4. The quantity of industrial effluent to be generated from manufacturing process shall be **61.0 KL/day** and it shall be reuse in manufacturing process and maintain ZLD.

3.5. There shall be no discharge of wastewater in surrounding Environment. Unit shall maintain Zero Liquid Discharge.

3.6. The quantity of the domestic waste water (Sewage) shall not exceed **19.0 KL/Day**.

3.7. Sewage shall be disposed of through septic tank/sock pit system.

4. Condition No-4 of the said CCA order is amended as below.

4. CONDITIONS UNDER AIR ACT,1981:

4.1 The following shall be used as fuel.

Sr. No.	Utility	Type of Fuel	Quantity
1	Boiler – 8 TPH (Actual usage capacity – 6TPH)	Coal OR Agro Waste OR Fire Wood	40 MT/Day OR 60 MT/Day OR 60 MT/Day
2	Boiler – 6 TPH (Stand by)	Diesel	95 Liters / Day
3	D.G. Set (400 KVA)	Diesel	50 Liters / Day
4	D.G. Set (320 KVA)		

4.2. The flue gas emission through stack attached shall conform to the following standards:

Stack No.	Stack attached to	Stack height in Meter	APCM	Parameters	Permissible Limit
1	Boiler – 8 TPH (Actual usage capacity – 6TPH)	33	Multi Cyclone Separator, Bag Filter, Water Scrubber	Particular Matter SO_2 NO_x	150 mg/NM^3 100 ppm 50 ppm
2	Boiler – 6 TPH (Stand by)	33	Multi Cyclone Separator, Bag Filter, Water Scrubber	Particular Matter SO_2 NO_x	150 mg/NM^3 100 ppm 50 ppm
3	D.G. Sets (400 KVA)	11	----	Particular Matter So2 Nox	150 mg/NM^3 100 PPM 50 PPM
4	D.G. Sets (320 KVA)	11	----	Particular Matter So2 Nox	150 mg/NM^3 100 PPM 50 PPM

4.3. The process emission through stack attached to different silo conform to the following standards.

Stack No.	Stack attached to	Stack height in Meter	APCM	Parameters	Permissible Limit
1	Autoclave -1 to 8 Set-1 Autoclave 9 to 16 Set-2 Autoclave-17 Set-1 Autoclave-18 Set-2	-----	-----	Particular Matter	150 mg/NM^3
2	Cement Silo – 1 (110 T) Cement Silo –2 (40 T) Fly Ash Silo- 1(110 T) Fly Ash Silo- 2 (90 T) Lime Silo – 1(185 T)	-----	Bag Filter Each		
3	Cement Silo – 3 (150 T) Cement Silo – 4 (110 T) Fly Ash Silo- 3 (150 T) Fly Ash Silo- 4 (90 T) Lime Silo – 2 (150 T)	------	Bag Filter Each	Particular Matter	150 mg/NM^3

4	**Silica Sand Silo-1 (40T)** **Lime Polymer Silo-(10 T)**	----	Bag Filter Each	Particular Matter	150 mg/NM^3
5	**Cement Silo- 5 (110 T) (For Pre-cast elements plant)**	----	Bag Filter Each	Particular Matter	150 mg/NM^3
6	**Admixture Silo -1(50T) (For Pre-cast elements plant)**	----	Bag Filter Each	Particular Matter	150 mg/NM^3

4.4 Stack monitoring facilities like port hole, platform/ladder etc., shall be provided with stacks/vents chimney in order to facilitate sampling of gases being emitted into the atmosphere.

4.5. The concentration of the following parameters in the ambient air within the premises of the industry and a distance of 10meters from the source) other than the stack/vent) shall not exceed the following levels.

PARAMETER	PERMISSIBLE LIMIT
Particulate matter $_{10}$	100 Microgram Per cubic meter
PM $_{2.5}$	60 Microgram Per cubic meter
Oxides of Sulphur	80 Microgram Per cubic meter
Oxides of Nitrogen	80 Microgram Per cubic meter

4.6. The applicant shall provide portholes, ladder, platform etc at chimney for monitoring the air emissions and the same shall be open for inspection to/and for use of Board's staff. The chimneys vents attached to various sources of emission shall be designed by numbers such as s-1,s-2, etc. and these shall be painted/displayed to facilitate identification.

4.7. The industry shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standards in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during night time. Day time reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.

4.8. D.G. Sets Conditions

The D.G. Set shall have acoustic enclosure and shall comply sith the standards specified at Sr. no. 95 of Schedule-I of the rule-3 of E.P. Rules -1986 and Noise pollution level as per the Air Act-1981.

D.G. Sets standards:-

The flue gas emission through stack attached to D.G.Sets shall conform to the following standards.

a) The minimum height of stack to be provided with each of the generator set shall be H=h + 0.2 (KVA) 1/2, where H= Total stack height in meter, h= height of the building in meters where or by the side of which the generator set is installed.

b) Noise from DG set shall be controlled by providing an acoustic enclosure or by treating the room acoustically, at the users end.

c) The acoustic enclosure or acoustic treatment of the room shall be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on the higher side (if the actual ambient noise is on the higher side, it may not be possible to check the performance of the acoustic enclosure/acoustic treatment. Under such circumstances the performance may be checked for noise reduction up to actual ambient noise level, preferably, in the night time). The measurement for insertion loss may be done at different points at 0.5 m from the acoustic enclosure/room, and the averaged.

d) The D.G. Set shall be provided with proper exhaust muffler with insertion loss of minimum 25 dB (A).
e) All efforts shall be made to bring down the noise level due to the D.G.Set, outside the premises, within the ambient noise requirements by proper siting and control measures.
f) Installation of a D.G. Sets must be strictly in compliance with the recommendations of the D.G.Set manufacturer.
g) A proper routine and preventive maintenance procedure for the D.G.Set should be set and followed in consultation with the DG Set manufacture which would help prevent noise levels of the DG Set from deteriorating with use.

5. Condition No-5 of the said CCA order is amended as below.

5. AUTHORIZATION as per HAZARDOUS AND OTHER WASTE (MANAGEMENT AND TRANSBOUNDARY) RULES, 2016 Form-1

5.1. Number of Authorization- AWH- **132404**, Date of Issue- 15/02/2024.

5.2. **M/s. Magicrete Building Solutions Pvt Ltd.** is hereby granted an authorization to operate facility for following Hazardous wastes on the premises situated at **Block No- 188 and 190, 192/1 & 192/2, Village- Arekh -396475, Ta:- Jalalpore, Dist:- Navsari.**

Sr. No.	Waste	Schedule-I/ Category	Quantity MT/Year			Facility
			Existing	Proposed	Total	
1	Used Oil	5.1	0.4	0.1	0.5	Rule -9 Approved Facility
2	Discarded barrels/containers	33.1	0.2	10.8	11.0	
3	STP Sludge	35.3	---	5	5	Used as mauare in garden
4	Scrubber Sludge (Lime + Fly Ash)	37.1		15	15	Used for product mixing

5.3 The authorization shall be valid up to **23/03/2025.**

5.4 The authorization is subject to the conditions stated below and such other conditions as may be specified in the rules from time to time under the Environment (Protection) Act-1986.

5.5 The authorization is granted to operate a facility for collection, storage within factory premises transportation and ultimate disposal of Hazardous wastes as per condition no.6.2 to the industry having valid CCA of this Board.

6 TERMS AND CONDITIONS OF AUTHORISATION

6.1. The applicant shall comply with the provisions of the Environment (Protection) Act 1986 and the rules made there under.

6.2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the Gujarat Pollution Control Board.

6.3. The persons authorized shall not rent, lend, sell, and transfer or otherwise transport the hazardous wastes without obtaining prior permission of the Gujarat Pollution Control Board.

6.4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the authorization order by the persons authorized shall constitute a beach of this authorization.

6.5. The person authorized shall implement Emergency Response Procedure (ERP) for which this authorization is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time;

6.6. The person authorized shall comply with the provisions outlined in the Central Pollution Control Board guidelines on ''Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Wastes and Penalty''

6.7. It is the duty of the authorized person to take prior permission of the Gujarat Pollution Control Board to close down the facility.
6.8. An application for the renewal of an authorization shall be made as laid down in rules 6(2) under Hazardous and Other Waste Rules, 2016.
6.9. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
6.10. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
6.11. The hazardous and other wastes which gets generated during recycling or reuse or recovery or pre-processing or utilization of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorization.
6.12. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
6.13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
6.14. The waste generator shall be totally responsible for (i.e. collection, storage, transportation and ultimate disposal) the wastes generated.
6.15. Records of waste generation, its management and annual return shall be submitted to Gujarat Pollution Control Board in Form-4 by 30th day of June of every year for the preceding period April to March.
6.16. In case of any accident, details of the same shall be submitted on Form-11 to Gujarat Pollution Control Board.
6.17. As per "Public Liability Insurance Act-91" company shall get Insurance Policy, if applicable.
6.18. Empty drums and containers of toxic and hazard material shall be treated as per guideline published for "Management & Handling of discarded containers". Records of the same shall be maintained and forwarded to Gujarat Pollution Control Board regularly.
6.19. In case of transport of hazardous wastes to a facility for (i.e. treatment, storage and disposal) existing in a State other than the State where hazardous wastes are generated, the occupier shall obtain 'No Objection Certificate' from the State Pollution Control Board or Committee of the concerned State of Union Territory Administration where the facility exists.
6.20. Unit shall take all concrete measures to show tangible results in waste generation, reduction, avoidance, reuse and recycle. Actions taken in this regard shall be submitted within three months and also along with Form-4.
6.21. Industry shall have to display the relevant information with regards to hazardous waste as indicated in the Hon. Supreme Court's Order in W.P. No.657 of 1995 dated 14th October, 2003.
6.22. Industry shall have to display on-line data outside the main factory gate with regard to quantity and nature of hazardous chemicals being handled in the plant, including wastewater and air emissions and solid hazardous wastes generated within the factory premises.

7. **The rest of the conditions of the above referred CCA order shall remain unchanged. You are directed to comply with these conditions judiciously.**

For and on behalf of
Gujarat Pollution Control Board

(Smt. S. V. Bhargava)
Unit Head-Navsari

GUJARAT POLLUTION CONTROL BOARD

PARYAVARAN BHAVAN, SECTOR 10-A,
GANDHINAGAR - 382010,
(T) 079-23232152

CCA- EXTENSION
AWH-132404

NO: GPCB/ CCA/NAV-238(3)/ID-32765/784959 **Date :** 28/02/2024

To,
M/s. Magicrete Building Solutions Pvt Ltd
Block No- 188 and 190, 192/1 & 192/2
Village- Arekh -396475,
Ta:- Jalalpore, Dist:- Navsari.

Sub:- Extension in the consolidated consent & Authorization of the Board.

Ref:- 1) CCA issued by this office vide order no- AWH- 108192 date: 27/05/2020 valid up to 23/03/2025.

In exercise of the power conferred under section-25 of the Water (Prevention and Control of Pollution) Act-1974, under section-21 of the Air (Prevention and Control of Pollution)-1981 and Authorization under rule 6(2) of the Hazardous And Other Waste (Management And Transboundary) Rules, 2016 & framed under the Environment (Protection) Act-1986, The Board has granted CCA vide order No. AWH- 108192 issued vide this office order no. GPCB/CCA/NAV-238(2)/ID-32765/561782 dated 10/06/2020 valid up to 30/09/2020.

The Board has right to review and amend the conditions of the said CCA orders.

1 The order shall be read as CCA Order No. AWH-132404 Date of issue: 15/02/2024, valid up to 23/03/2025.

2 The Condition no 1.1 said CCA is amended as below: of the
1.1 The validity of Consolidated Consent & Authorization AWH-132404 is extended up to **23/03/2025** instead of **30/09/2020**.

3 The other conditions of the Consolidated Consent & Authorization (CCA) issued vide Order no. **GPCB/CCA/NAV-238(2)/ID-32765/561782 dated 10/06/2020** shall remain unchanged.

For and on behalf of
Gujarat Pollution Control Board

Bhargava 28/2

(Smt S.V.Bhargava)
EE & Unit Head, Navsari