

# MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 022-25802272 /25829582

Fax : 022-25805398

Email : srothane1@mpcb.gov.in

Visit At : <http://mpcb.gov.in>



Plot No. P-30, 5th Floor,  
Office Complex Bldg.,  
Mulund Checknaka,  
Thane – 400604.

Green/S.S.I

Consent No: MPCB/SROT-I/R/19/1905000047

Date :- 02 / 05 / 2019

Consent to Operate under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization / Renewal of Authorization under Rule 5 of the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules 2008

[To be referred as Water Act, Air Act and HW (M&H) Rules respectively].

.....  
CONSENT is hereby granted to

M/s. Prism Johnson Limited,  
RMC India Division,  
C/o Lodha Developers Limited,  
Clariant Project, Kolshet Road,  
Near Air Force Station, Sandoz Baug,  
Thane (W).

located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW(M&H) Rules and amendments thereto subject to the provisions of the Act and the Rules and the Orders that may be made further and subject to the following terms and conditions:

1. The Consent to Operate is granted for a period up to : 30.01.2022.
2. The Consent is valid for the manufacture of –

Sr. No.	Product Name	Maximum Quantity	UOM
1	Ready Mix Concrete (Captive Plant)	20000	Cub. Mtr/Month

(for captive plant for the specific project, the location of RMC can be inside the project premises.)

### 3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall be Nil.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 1.5 M<sup>3</sup>.
- (iii) Trade Effluent :-

(I) The waste water generated from the sources like Batching Plant. Transit Mixer washing. Vehicle tyre washing and floor washing area shall be collected through well designed drainage system in a collection tank and the same shall be treated by providing comprehensive treatment system as is warranted to meet the disposal standards mentioned below.

Standards of the treated effluent Quantity:

Sr. No.	Parameter		Standards
1.	pH	Between	5.5 to 9.0
2.	Oil & Grease	Not to exceed	10 mg/l.
3.	Suspended Solids	Not to exceed	100 mg/l.
4.	BOD 3 days	Not to exceed	30 mg/l.
5.	COD	Not to exceed	150 mg/l.
6.	TDS	Not to exceed	2100 mg/l.

(II) **Trade Effluent Disposal:**

The treated effluent shall be reused in the process or for water sprinkling system or gardening / plantation only. There should not any discharge of effluent from the plant.

(III) **Sewage Effluent Treatment:** The applicant shall provide comprehensive treatment system as is warranted with reference to influent quality and operate and maintain the same continuously so as to achieve the quality of treated effluent to the following standards.

(1) Suspended Solids	Not to exceed	100	mg/l.
(2) BOD 3 days 27 <sup>o</sup> C.	Not to exceed	100	mg/l.

(IV) **Sewage Effluent Disposal:** The treated domestic effluent shall be soaked in a soak pit, which shall be got cleaned periodically. Overflow, if any, shall be used on land for gardening / plantation only.

(V) **Other Conditions:**

The authority shall provide adequate water treatment and disposal facility for generated effluent from their activity. They shall comply with provisions under the Water (Prevention and control Pollution) Act, 1974.

(VI) Industry shall submit Environmental Assessment Report taken into consideration for environment assessment for material handling along with capacity and their storage arrangement and meteorological study specifically with directions & accordingly prepare plan to control of fugitive emissions / dust particles & suppression system.

4. **Noise pollution Control Measures:-**

Ready Mix Concrete industry shall comply with the provisions under the Noise pollution (Regulation and Control) Rule 2000, to control Noise Pollution.

5. **Solid Wastes treatment and disposal:**

Solid waste from transit mixture washing, muck (debris/sludge) generated from RMC shall either be reused through recovery unit/Reclaiming system OR disposed off a approved site by local body for debris / construction waste.

**6. The applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 (to be referred as Cess Act) and amendment Rules, 2003 there under**

The daily water consumption for the following categories is as under:

(i) Domestic purpose	...	2.00 CMD
(ii) Water gets Polluted & Pollutants are Biodegradable (product mixing)	...	58.00 CMD
(iii) Water gets Polluted, Pollutants are not Biodegradable & Toxic	...	0.00 CMD
(iv) Industrial Cooling, spraying in mine pits or boiler feed	...	0.00 CMD

The applicant shall regularly submit to the Board the returns of water consumption in the prescribed form and pay the Cess as specified under Section 3 of the said Act.

**7. CONDITIONS UNDER AIR ACT:**

The applicant shall install a comprehensive control system consisting of control equipments as is warranted with reference to generation of emission and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards:

**(i) In-house measures:-**

1. All material transfer points should be covered
2. The dust containment system shall be provided incorporating either of the following:
  - Barricading all around the periphery of the plot boundary of height minimum 20 feet or 5 feet above free fall air emission area. Whichever is height with tin sheets. Same may extend above with netlon clothing whenever required.
  - Water sprinkling/Chemical dust stabilizing agent spraying system along the periphery inside the premises of RMC.
  - Tree plantation along the periphery inside boundary of the RMC premises having minimum width of 5 meters, on all sides. The foliage of the trees shall adequately cover area upto about 20m height.
3. Internal work area shall be, cement concreted/Asphalted.
4. Daily cleaning / Removal of dust accumulation inside the plant (dry/wet) shall be carry out with industrial vacuum cleaner.
5. Two level type washing facility shall be provided at entry and exit points, for transit mixture vehicle.

**(ii) Raw material storage & handling:-**

1. Storage silos of cement & fly-ash shall be adequate capacity of dust Collection system such as multi - cyclone followed by bag house assembly. Handling of Cement, sand, fly ash and aggregates shall be carried out with mechanical closed system only.
3. Manual operations shall be permitted only in a closed shed, equipped with dust control system at the loading point as well as roof top secondary dust control system.



4. All Conveyor belts of Sand, aggregate shall be covered with tin sheets and at points dust collection system to be installed to avoid secondary fugitive emissions.
  5. Mixing section of cement, aggregate & sand shall be equipped with adequate capacity dust collection system, such as multi-cyclone followed by bag houses, so as to limit dust emissions.
  6. Storage area of sand & aggregates shall be equipped with roof top water sprinkler system.
  7. The operation of the plant shall be interlocked with air pollution control devices.
  8. Alternative power supply system should cover both the production and Air Pollution control system.
- (iii) The unit shall monitor ambient air quality at the plot boundary and meet the following ambient air quality standards (24 hours Average)

Particulate Matter PM 10	Not to Exceed	100 mg/m <sup>3</sup>
Particulate Matter PM 2.5	Not to Exceed	60 mg/m <sup>3</sup>

(a) Captive plant shall carry out ambient air quality monitoring twice in a week for 24 hours.

(iv) **Other conditions :**

The authority shall provide adequate Air pollution control arrangement at the source. They shall comply with the provisions under the Air (Prevention and Control of Pollution) Act, 1981 and conditions prescribed.

**8. Conditions for D.G. Set**

- a. Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- b. Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
- c. The industry shall take adequate measures for control of noise levels from its own sources within the premises in respect of noise to less than 55 dB(A) during day time and 45 dB(A) during the night time. Day time is reckoned between 6 a.m. to 10 p.m and night time is reckoned between 10 p.m to 6 a.m.
- d. Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
- e. Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- f. A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use
- g. D.G. Set shall be operated only in case of power failure
- h. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.

**i. Standards for the Stack emissions :-**

(i) The applicant shall observe the following fuel pattern:-

Sr. No.	Type Of Fuel	Quantity	UOM
1	HSD	70	Lit/Day

(ii) The applicant shall erect the chimney(s) of the following specifications:-

Sr. No.	Chimney Attached To	Height in Mtrs.
1.	D.G. Set (320 KVA)	3.0 above the roof

(iii) Other Conditions:

1. The authority shall provide adequate Air pollution control arraignment at the source. They shall comply with the provisions under the Air (Prevention and Control of Pollution) Act, 1981 and conditions prescribed as above.
2. The remediation and restoration measures shall be taken by the project proponent in case of any environmental pollution in the surrounding area due to emission / effluent in excess of the standards being discharged / emitted in to the environment and violation of consent conditions and thereby causing environmental pollution.

(iv) The industry should not cause any nuisance in surrounding area.

**9. CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT, HANDLING & TRANSBOUNDRY MOVEMENT) RULES, 2008:**

(i) The Industry shall handle hazardous wastes as specified below.

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
		NA		

(ii) Treatment: - NIL

Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Collector, Directorate of Industry, Safety & Health, Police Satiation, Fire Brigade, Directorate of Health Services, Department of Explosives, Board & Local Body and the Production process should be stopped by taking all necessary safety measures. The industry shall also monitor the emission and ensure that the emissions do not cause any harm or nuisance in the surrounding. The industry should not restart the process without permission of the Board and other statutory organization as require under the law.

**10. Industry shall comply with following additional conditions:**

- i. The applicant shall maintain good housekeeping and take adequate measures for control of pollution from all sources so as not to cause nuisance to surrounding area / inhabitants.  
The applicant shall bring minimum 33% of the available open land under green coverage/ tree plantation.



- iii. Solid waste – The non hazardous solid waste arising in the factory premises, sweepings, etc., be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal to dumping ground.
- iv. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by he applicant to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms & conditions of this consent regarding pollution levels.
- v. The applicant shall not change or alter quantity, quality, the rate of discharge, temperature or the mode of the effluent / emissions or hazardous wastes or control equipments provided for without previous written permission of the Board.
- vi. The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous wastes to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- vii. The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
- viii. The firm shall submit to this office, the 30th day of September every year, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as pre the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- ix. As inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- x. The applicant shall install a separate electric meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
- xi. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes / sewers down- stream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- xii. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- xiii. The remediation and restoration measure shall be taken by the project proponent in case of any environmental pollution in the surrounding area due to emission / effluent in excess of the standards being discharged / emitted in to the environment and violation of consent conditions and thereby causing environmental pollution.

- xiv. The RMC plants where the norms are not followed and the technology is old (Star type) shall be discarded within 1 year. Existing RMC plant shall implement the suggested guidelines within a year. The renewal of Maharashtra Pollution Control Board's consent shall be considered only after implementation of new guidelines. The RMC's having valid consent of Maharashtra Pollution Control Board shall amend their consent in compliance with guideline within a year.
- xv. Operation of RMC plant shall be in day time only. However, in notified MIDC area, notified industrial park, outside corporation area timing are not applicable. The Day time shall mean from 6 a.m. to 10 p.m.
- xvi. The Maharashtra Pollution Control Board may make the standards stringent for the RMC / batching plant.
- xvii. Urban local bodies / special planning authority can locate all such RMC plants in cluster.
11. The applicant shall carry out meteorological study specifically with directions & accordingly prepare plan to control of fugitive emissions / dust particles & suppression system.
12. In case of failure of pollution control equipments, the production process connected to it shall be stopped, and shall not be restarted unless permission is obtained from Board.
13. This consent is issued as per the directive issued by Board's circular (guidelines for RMC plant) vide no. MPCB/ AS (T)/TB/B-4453 dtd. 15.11.2016.
14. The Board reserves the right to review, amend, suspend revoke etc., this consent and the same shall be binding to the applicant.
15. This consent should not be construed as exemption from obtaining Necessary NOC from any other Government authority.
16. The applicant shall obtained & submit permission / NOC from Central Ground Water Authority (CGWA) Government of India for Abstraction/ Use of Ground Water.
17. The applicant shall comply with the provision of E-Waste Management Rules, 2016.
18. The applicant shall comply with the provision of the Batteries (Management & Handling) Rules, 2001.
19. The project proponent should comply with other locational statutory requirements in force such as DC Rules, etc.
20. The industry shall not start any commercial/trial processes unless Obtain Consent to operate from Maharashtra Pollution Control Board.



21. This consent is issued subject to compliance of guidelines for the RMC plant as per Gazette Notification dtd. 7/11/2016.
22. This consent is granted as per delegation of power to Sub Regional Officer, vide Board's Circular No. BO/P&L Div./B-1160 dtd. 01.03.2013.
23. This Consent is issued in green category based on the modified directions u/s 18 (1) (b) of the Water (P & CP) Act, 1984 and the Air (P & CP) Act 1981, regarding harmonization of classification of industrial sectors under Red / Orange / Green / White Categories dated 29.02.2016, issued by Central Pollution Control Board, New Delhi. Activity of the industry is mentioned in green category industry list at Sr. No. G-37 Ready Mix Cement Concrete.
24. This consent is issued subject to condition that RMC plant shall submit NOC from local body for this RMC plant within 15 days.
25. The Capital investment of the industry is Rs. 261.00 Lakhs.

For and on behalf of the  
Maharashtra Pollution Control Board



*[Signature]*  
02/05/19  
(S. S. Dholam)

Sub Regional Officer, Thane-I

To,  
M/s. Prism Johnson Limited,  
RMC India Division,  
C/o Lodha Developers Limited,  
Clariant Project, Kolshet Road,  
Near Air Force Station, Sandoz Baug,  
Thane (W).

Received Consent fee of -

Sr. No.	Amount(Rs.)	DR. No.	Date	Drawn On
1	15,000/-	TXN1904001764	17/04/2019	—

Copy submitted to :-

- 1) Chief Account Officer, M. P. C. Board, Sion, Mumbai.
- 2) Regional Officer, M. P. C. Board, Thane