

# MAHARASHTRA POLLUTION CONTROL BOARD

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Mandir, Govandi (E),  
Mumbai- 400 088

Green/S.S.I

Date:08/02/2019

Consent No: SRO-MUMBAI-IV/G/R/1902000391

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 & Other Wastes (Management & Trans boundary Movement) Rules, 2016 [To be referred as Water Act, Air Act and H&OW (M&TM) Rules respectively].

CONSENT is hereby granted to

M/s B.G.Shirke Construction Technology Pvt.Ltd.(P.M.C) .  
CTS NO. 183 TO 187& 197,210(pt), Old Magathane  
Borivali (E),Mumbai.

Located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of H&OW (M&TM) 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 -31/12/2021
2. The Consent is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity	UOM
	Ready Mix Concrete (Captive purpose only)	As per order	M3/D

### 3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed  $0.0\text{m}^3$ .
- (ii) The daily quantity of sewage effluent from the factory shall not exceed  $0.8\text{m}^3$ .
- (iii) **Trade Effluent Treatment:** The applicant shall provide comprehensive treatment system consisting of primary / secondary and/or tertiary treatment as is warranted with reference to influent quantity and to the following standards: operate and maintain the same continuously so as to achieve the quality of the treated effluent.

Sr.No.	Parameters	Limits	
1.	pH	Between	5.5 to 9.0
2.	BOD,3 Days 27 degree C	Not to exceed	100 mg/l
3.	COD	Not to exceed	250 mg/l.
4.	Oil & Grease	Not to exceed	10 mg/l
5.	Suspended Solids	Not to exceed	100 mg/l.
6.	TDS	Not to exceed	2100 mg/l.

- (iv) **Trade Effluent Disposal:** The treated effluent shall be reused in the process, water sprinkling system or gardening / plantation only. There should not any discharge of effluent from the plant.

UAN NO. MPCB-CONSENT-0000064249

(v) **Water pollution control measures;**

The waste water generated from the sources like Batching Plant washing, 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 above.

(vi) **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 27o C.	Not to exceed	100	mg/l.

(vi) **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.

**4. 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	...	1.00	CMD
(ii) Industrial Processing (mixing)	...	15.00	CMD
(iii) Industrial Cooling	...	00.00	CMD
(iv) Agriculture / Gardening	...	00.00	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.

**5. CONDITIONS UNDER AIR ACT:**

- (i) The applicant shall fully cover the plant from four sides and top by using Tin sheets.
- (ii) 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:

**a. Control Equipment:**

**(a) Air Pollution Control: (i) In-house measures;**

1. All material transfer points should be covered.
2. Barricading all around the periphery of the plot boundary with height of minimum 20 feet or 5 feet above free fall air emission area, whichever is higher with appropriate material. Same may extend above with netlon clothing whenever required.
3. Water sprinkling/Chemical dust stabilizing agent spraying system along the periphery inside the premises of RMC.
4. 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 up to about 20m height.
5. Internal work area shall be, cement concreted/Asphalted.
6. Daily cleaning / Removal of dust accumulation inside the plant (dry/wet) shall be carryout, with industrial vacuum cleaner.
7. Two level tyre 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 equipped with adequate capacity of dust Collection system such as multi- cyclone followed by bag house assembly.
2. 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 transfer 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 house, so as to limit dust emissions.
6. Storage area of sand & aggregate 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.
9. Fogging type sprinkler system shall be provided.
10. The unit shall monitor ambient air quality at the plot boundary and meet the following
  - (i) ambient air quality standards (24 hours Average)
  - (ii) Particulate Matter PM 10 Not to Exceed 100 µg/m<sup>3</sup>
  - (iii) Particulate Matter PM 2.5 Not to Exceed 60 µg/m<sup>3</sup>
  - (a) Commercial plants shall install continuous ambient air quality monitoring station (CAAQMS) within the premises.
  - (b) Captive plant shall carry out ambient air quality monitoring twice in a week for 24 hours.

**(d) Solid waste 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 at a designated approved site by local body, for debris / construction waste.

**a. Standards for Emissions of Air Pollution:**

- (i) SPM/TPM Not to exceed --- 150 mg/NM<sup>3</sup>

**b. Chimney Details:**

Sr. No.	Chimney attached to	Height in Mtrs.
1.	---	---

- (i) The applicant shall provide parts in the chimney / (s) and facility such as ladder, platform, etc., for monitoring the air emissions and the same shall be open for inspection to / and for use of the Board's staff. The chimney / (s) vents attached to various sources of emission shall be painted / displayed to facilitate identification.

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

Sr. No.	Type Of Fuel	Quantity	UOM
1.	---	---	---

- (iii) 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 75 dB (A) during day time and 70 dB (A) during night time. Daytime is reckoned in between 6 a.m. and 9 a.m. and nighttime in reckoned between 9 p.m. and 6 a.m.

Other conditions: 1) Industry shall not cause any nuisance into the surrounding area.

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

**11. CONDITIONS UNDER HAZARDOUS WASTE (MANAGEMENT & TRANSBOUNDRY MOVEMENT) RULES, 2016:**

Sr. No.	Type Of Waste	Quantity	UOM	Disposal
	NA			

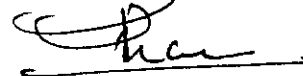
- a. Whenever due to any accident or other unforeseen act or even, such emission occur or is apprehended to occur in excess of standards laid down , such information shall be forthwith reported to board, concerned police station, office of directorate of health service, Department of explosives, Inspectorate of factories & Local body. In case of

failure of pollution control equipments, the production process connected to it shall be stopped.

- b. 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.
  - ii. The applicant shall bring minimum 33% of the available open land under green coverage/ tree plantation. The applicant should submit a yearly statement by 30<sup>th</sup> September every year on available open plot area, no. of trees surviving as on 31<sup>st</sup> March of the year and no. of trees planted by September end.
  - iii. The applicant should make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.
  - iv. 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.
  - v. The applicant shall provide for an alternate electric power source sufficient to operate all pollution control facilities installed by the 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.
  - vi. 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.
  - 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. An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
  - ix. 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.
  - x. The consent shall be revoked as and when the industry does not comply with the various environmental laws.
  - xi. This consent has granted as per the directions u/s 18(1) (b) of Water (P & CP) Act, 1974 regarding Classification of industries into Red, Green & Orange Category.
  - xii. 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 of Pollution) Act, 1974.
  - xiii. 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.
  - xiv. 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.
  - xv. 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.

- xvi. Operation of RMC plant shall be in day time only. However in notified MIDC area, notified industrial parks, outside corporation area timing are not applicable. The Day time shall mean from 6 a.m. to 10 p.m.
- xvii. The industry strictly follows the Guidelines for Ready Mix Concrete Plant (RMC) for sitting criteria of RMC Plant in the State of Maharashtra as per notification dated 7/11/2016.
- 12 Industry shall submit Bank Guarantee of Rs.1 Lac in favor of regional Officer, Mumbai and documents within 15 days from the issue of consent.
- 13 The Capital investment of the industry is Rs. 75.00 /- Lacs.
14. The Board reserve right to revoke, amend or suspend the consent granted.
15. Remaining fees of RS. 10,000/- will be consider during next renewal of consent.
16. 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.
17. The consent is valid only with subject to permission of local body.
18. 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. R-37 Ready mix cement concrete.

For & on behalf of  
Maharashtra Pollution Control Board



(D. P. Koparkar)  
Sub Regional Officer, Mumbai-IV

To,  
M/s B.G. Srinke Construction Technology Pvt.Ltd.(RMC).  
CTS NO. 183 TO 187 & 197, 210(pt), Old Magathane,  
Borivali (E), Mumbai.

Received Consent fee of -

Sr. No.	Amount (Rs.)	DD. No.	Date
1.	20,000/-	PBOM7109989460	15/01/2019

Copy Submitted to -

1. Assistant Secretary (Tech), MPCB, Sion, Mumbai.
2. Regional Officer, MPCB, Mumbai.