

MAHARASHTRA POLLUTION CONTROL BOARD SUB REGIONAL OFFICE – PUNE - II

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Wakdewadi Mumbai-Pune Road,
Pune - 411003.

Green/S.S.I.

Date: 20.07.2018

Consent No: SRO-PUNE-II/CONSENT/1807000756

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&TM) Rules respectively].

.....
CONSENT is hereby granted to

M/s. Shapoorji Pallonji & Company Pvt. Ltd.
Gat No. 22, A/P Wasuli, Savardari,
Tal: Khed, Dist: Pune

Located in the area declared under the provisions of the Water Act, Air act and Authorization under the provisions of HW (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: 31.07.2021
2. The Consent is valid for the manufacture of -

| Sr. No. | Product Name | Maximum Quantity | UOM |
|---------|--------------------|------------------|------------|
| 1. | Ready Mix Concrete | 50000 | CUM/Months |

3. CONDITIONS UNDER WATER ACT:

- (i) The daily quantity of trade effluent from the factory shall not exceed 1.0 M³.
- (ii) The daily quantity of sewage effluent from the factory shall not exceed 6.5 M³.
- (iii) **Trade Effluent Treatment** : 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 comprehensive treatment system as is warranted to meet the disposal standards mentioned below:

5. CONDITIONS UNDER AIR ACT:

- (i) 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. Pollution Control Measures:

(i) In-house measures:

1. All material points should be covered
2. 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 higher with tin sheets.
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.
5. Internal work area shall be cement concreted/Asphalted
6. Daily cleaning/removal of dust accumulation inside the plant shall be carry out 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:

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 closed shed, equipped with dust control system at the loading point as well as roof top secondary dust control system
4. All conveyor belt of sand, aggregates 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 & aggregates shall be equipped with roof top water sprinkler system.
7. The production plant interlocked with air pollution control system
8. Alternative power supply system should cover both the production & air pollution control system.

b. Ambient air quality at a distance of 10 mtr from source OR the plant boundary

- | | | |
|------------|---------------|-------------------------------|
| (i) PM10 | Not to exceed | 100 microgram/m ³ |
| (ii) PM2.5 | Not to exceed | 60 microgram/m ³ , |

| | | | |
|---|------------------------|---------------|------------|
| 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 27 degree C | Not to exceed | 30mg/l. |
| 5 | COD | Not to exceed | 150 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

(v) **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° 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.

(vii) **Non-Hazardous Solid Wastes:**

| Sr. No. | Type Of Waste | Quantity | UOM | Treatment | Disposal |
|---------|---------------|----------|-----|-----------|----------|
| — NIL — | | | | | |

(viii) **Other Conditions:**

- 1) Industry should monitor effluent quality regularly.
- 2) Solid waste from transit. Mixture washing, muck generated from RMC shall either reused through recovery unit/ reclaiming system or disposed off at a designated approved site by local body for debris/construction waste.

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 (Mortar Preparation) | ... | 10.0 CMD |
| (iii) | Industrial Cooling (Sprinkling for dust suppression) | ... | 2.00 CMD |
| (iv) | Agriculture / Gardening | ... | 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.

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

6. Standards for Stack Emissions:

The applicant shall observe the following fuel pattern:-

| Sr. No. | Type Of Fuel | Quantity | UOM |
|---------|--------------|----------|--------|
| -1. | HSD | 12 | Ltr/Hr |

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

| Sr. No. | Chimney Attached To | Height in Mtrs. |
|---------|---------------------|-----------------|
| 1 | D.G. Set (125 KVA) | 3.0 |

- (ii) The applicant shall provide ports in the chimney(s) and facilities 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 designated by numbers such as S-1, S-2 etc. and these shall be painted/ displayed to facilitate identification.
- (iii) 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 standard in respect of noise to less than 75 dB(A) during day time and 70 dB(A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
- (v) **Other Conditions:**
- 1) The industry should not cause any nuisance in surrounding area.
 - 2) The industry should monitor ambient air quality monthly.

7. 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 |
|---------|--------------------|----------|----------|-------------------|
| 1. | 5.1 Used/Spent Oil | 07 | Lt/Annum | Authorized Vendor |

- (ii) Treatment: - NIL

1. The authorization is hereby granted to operate a facility for collection, storage, transport & disposal of hazardous waste.
2. The industry should comply with the Hazardous Waste (M&MT) Rules, 2008.
 - a. Whenever due to any accident or gas leakage 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 and Health, Police Station,

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Fire Brigade, Directorate of Health Services, Department of Explosives, Board and 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.

- b. The unit has to display and maintain the data online outside the factory main gate in Marathi & English both on a 6'x4' display board in the manner and the report of the compliance along with photograph shall be submitted to this office & concerned Regional Office/ Sub Regional Office.
- c. It shall be ensured that the Hazardous waste is handled, managed & disposed of strictly in accordance with the Hazardous Waste (M&TM) Rules, 2008.

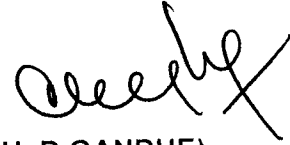
8. Industry shall comply with following additional conditions:

- 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.
- 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 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.
- 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.

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- 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.
9. This is without prejudice to any other permission required under any of the laws, by-laws or regulations in force.
10. This Board reserves the right to add/amend/revoke any conditions in this consent and the same shall be binding on the applicant.
11. Industry shall not cause nuisance to the surrounding area, if such condition occurs industry voluntarily stop the production activity.
12. Industry should obtain necessary permissions of other Government agencies.
13. Operation of RMC plant shall be in day time only. The Day time is reckoned in between 6 am to 6 pm.
14. The Capital investment of the industry is **Rs. 148 Lacks.**

For AND ON BEHALF OF M.P.C. BOARD



(H. D GANDHE)
SUB REGIONAL OFFICER,
PUNE - II

To,
M/s. Shapoorji Pallonji & Company Pvt. Ltd.
Gat No.22, A/P Wasuli, Savardari,
Tal: Khed, Dist: Pune.

Received Consent fee of -

| Sr. No. | Amount(Rs.) | Transaction No. | Date |
|---------|-------------|-----------------|------------|
| 1 | 30000/- | TXN1805000840 | 09/05/2018 |

Copy to:

- 1) Regional Officer, MPCB, Pune.
- 2) Chief Accounts Officer, MPCB, Mumbai.

Annexure-I

Pollution Control Measures:

Air Pollution Control:

1. In House measures:

- i. All material transfer points should be covered.
- ii. The dust containment system shall be provided incorporating either of the following barricading all around the periphery of the plot boundary with height of minimum 20 feet or 5 feet fall air emission area, whichever is higher with appropriate water sprinkling/chemical dust stabilizing agent spraying system along the periphery inside the premises of RMC
- iii. Same way extend above with netlon clothing whenever required.
- iv. Tree Plantation along the periphery inside boundary of the RMC minimum width of 5 meters, on all sides. The foliage of trees shall adequately cover area up to about 20 m height.
- v. Internal work area shall be cement concreted/Asphalted
- vi. Daily cleaning/removal of dust accumulation inside the plant shall be carry out with industrial vacuum cleaner
- vii. Two level tyre washing facility shall be provided at entry and exit points for transit mixture vehicle.

2. 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 closed shed, equipped with dust control system at the loading point as well as roof top secondary dust control system
4. All conveyor belt of sand, aggregates 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 & aggregates shall be equipped with roof top water sprinkler system.
7. The production plant interlocked with air pollution control system
8. Alternative power supply system should cover both the production & air pollution control system.

3. 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 comprehensive treatment system as is warranted to meet the disposal standards mentioned below:



| | | | |
|---|------------------------|---------------|------------|
| 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 27 degree C | Not to exceed | 30mg/l. |
| 5 | COD | Not to exceed | 150 mg/l. |
| 6 | TDS | Not to exceed | 2100 mg/l. |

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.

4. Noise Pollution Control Measures: Ready Mix Concrete industry shall comply with the provision under the Noise Pollution (Regulation and control) Rules 2000, under control Noise Pollution.

5. 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 of at a designated approved site by local body for debris/ construction waste.

6. The following conditions shall be incorporated in the consent:

1. The authority shall provide adequate water treatment and disposal facility for generated effluent from their activity. They shall comply with provision under the Water (Prevention & Control of Pollution) Act, 1974
2. The authority shall provide adequate Air Pollution Control arrangement at the source. They shall comply with the provision under the Air (Prevention & Control of Pollution) Act, 1981 and condition prescribed.
3. 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 discharge/emitted in to the environment and violation of consent conditions and thereby causing environmental pollution.

Miscellaneous:

1. 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.
2. 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.
3. The Maharashtra Pollution Control Board may make the standards stringent for the RMC/batching plants.
4. Urban local bodies/special planning authority can locate all such RMC plants in cluster.