

MAHARASHTRA POLLUTION CONTROL BOARD

Sub-Regional Office, Mumbai III

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Jain Mandir, Govandi (E),
Mumbai 400 088

Consent order No: -Format 1.0/BO/R/GEN-SRO Mumbai III/Consent/1704000860

Date- 21/04/2017

To,

M/s J.Kumar Infraprojects Limited.
(RMC Plant & Concrete segment Rings Plant),
CTS No.230B, Mahul Gaon, Vill.Anik,
Tal.Kurla, Mumbai-74

Subject: Grant of Consent to Establish under Green/SSI category.

Your application UAN No. 0000024466

For: Grant of Consent to Establish under Section 25 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981 and Authorization under Rule 5 of the Hazardous Wastes (M, H & T M) Rules 2016 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, & III annexed to this order:

- The Consent to Establish is granted for a period up to "Commissioning or 5 years whichever is earlier."
- The capital total investment of the industry is Rs. 95.0 Lakh (As per C.A. Certificate submitted by industry).
- The Consent to Establish is valid for the manufacture of -

Sr. No.	Product Name	Maximum Quantity & UOM
1	G-37 and G-11 Ready Mix Concrete and Concrete Segment Rings i.e for contract package UGC-06 of Mumbai Metro Project of MMRCL.(Captive Use Only)	24.0 Segments/day

Conditions under Water (P&CP), 1974 Act for discharge of effluent:

Sr. No.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal
1.	Trade effluent	0.5	N.A.	Recycle/ Reuse in process.
2.	Domestic effluent	2.8	As per Schedule -I	Septic tank followed by soak pit and overflow shall be used for gardening in the premises.

Conditions under Air (P& CP) Act, 1981 for air emissions:

Sr. No.	Description of stack/ Source	Number of Stack	Standards to be achieved
1	D.G. Set (750 KVA)	1	As per Schedule -II

Conditions under Hazardous Waste (M,H & TM) Rules, 2016 for treatment and disposal of hazardous waste:

- The Industry shall not generate any type of hazardous wastes;

Recd Consent
P.K. M. Khan
21/4/2017

7. The Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
8. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government authorities.
9. This is issued subject to obtaining NOC from MCGM/Competent Authority before commissioning or erection activity. If you fail to do so the Consent to Establish shall be treated as cancelled.
10. The consent to Establish is issued herewith the condition that Project Proponent shall comply with the M.P.C.B guidelines regarding sitting criteria of RMC plant in State of Maharashtra dated 16/10/2016 vide no. MPCB/AS(T)/TB/B-4363
11. You shall obtain Consent to Operate before start of production for the above said activity.
12. Project proponent shall not use Ground Water without obtaining NOC from the Competent Authority.


 21/04/17
 For and on behalf of the
 Maharashtra Pollution Control Board

(Nitin Shinde)
 Sub regional Officer, Mumbai-III

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD/ RTGS/ NEFT No.	Date
1	Rs. 5000/-	TXN1704001080	07/04/2017

Copy submitted to:

1. Chief Accounts Officer, MPCB, Mumbai.
2. Regional Officer (Mumbai), M.P.C. Board.


 21/04/17

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your application, generation of industrial effluent from your activity is 0.5 CMD.
B] The treated trade effluent shall be recycled in process completely.
- 2) A] As per your application, you propose to provide septic tank followed by soak pit for the treatment of 2.8CMD of sewage.
B] As per your application, you will provide septic tank followed by soak pit wage for the treatment of sewage so as to achieve the quality of treated sewage effluent to the following standards:
 - (1) Suspended Solids. Not to exceed 100 mg/l.
 - (2) BOD 3 days 27oC. Not to exceed 100 mg/l.C] The treated domestic effluent shall be applied on land for gardening/ plantation only within premise.
- 3) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification thereof & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system and or extension or addition thereto.
- 4) The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.
- 5) The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Cess Act, 1977 and as amended, by installing water meters, filing water Cess returns in Form-I and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	---
2.	Domestic purpose	3.5
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	20.0
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	---
5.	Others i) Gardening	---

- 6) The Applicant shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time.

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Schedule-II

Terms & conditions for compliance of Air Pollution Control:

- 1) As per your application, you have provided the Air pollution control (APC) system and erected following stack(s) and observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S %	SO ₂ Kg/Day
1	DG. Set (750KVA)	--	5.5	LDO	250 Lit/Day.	--	9.0

- 2) The applicant shall operate and maintain air pollution control system, so as to achieve the level of pollutants to the following standards:

SPM/TPM	Not to exceed	150 mg/Nm ³
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- 3) The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
- 4) The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
- 5) The Applicant shall provide Specific Air Pollution control equipments as per the conditions of EP Act, 1986 and rule made there under from time to time.
- 6) The applicant shall provide necessary arrangements for the recovery of solvent having more than 97% efficiency.
- 7) Control Equipment:

1. Industry shall provide dust collector of sufficient capacity to control the emissions at mixing section & material handling/loading section.
2. Adequate capacity Air pollution control devices, Compound wall of brick masonry & Water sprinkler arrangement shall be provided for dust suppression.
3. Metallic approach road shall be provided in the work environment
4. Tin covers/shed shall be provided at material handling/loading section.
5. Adequate number of trees shall be provided across boundary of the units.
6. Two level tyre washing system for vehicles at the exit points shall be provided and operated regularly
7. 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.
8. 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.
9. 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
10. 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.
11. Storage area of sand & aggregate shall be equipped with roof top water sprinkler system.
12. The air pollution control devices shall be operated regularly.
13. The industry should not cause any nuisance in surrounding area.
14. The industry should monitor ambient air quality regularly.
15. Industry shall daily clean/ remove dust accumulation on the inside road with the help of industrial vacuum cleaner.
16. Industry shall provide fogging system to suppress the dust in premises.
17. The industry should take at most care of water flowing outside the premises as your plant is very adjacent to road.

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Schedule-III

General Conditions:

- 1) The applicant shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
- 2) Industry should monitor effluent quality, stack emissions and ambient air quality monthly/quarterly.
- 3) 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.
- 4) 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 Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
- 5) The applicant shall provide an alternate electric power source sufficient to operate all pollution control facilities installed 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 and conditions of this consent.
- 6) 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 per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992.
- 7) The industry shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW(MH&TM) Rules 2016, which can be recycled/ processed/ reused/ recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
- 8) The industry should comply with the Hazardous Waste (M.H & TM) Rules, 2016 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M.H & TM) Rules, 2016 for the preceding year April to March in Form-IV by 30th June of every year.
- 9) An inspection book shall be opened and made available to the Board's officers during their visit to the applicant.
- 10) Industry shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act,1981 and Environmental Protection Act,1986 and industry specific standard under EP Rules 1986 which are available on MPCB website(www.mpcb.gov.in).
- 11) The industry shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent condition towards Environment Protection.
- 12) Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
- 13) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 14) The applicant shall install a separate 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.
- 15) **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) 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.
 - d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
 - e) 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
 - f) D.G. Set shall be operated only in case of power failure.
 - g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.
- 16) The industry should not cause any nuisance in surrounding area.
 - 17) 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.
 - 18) The applicant shall maintain good housekeeping.
 - 19) The applicant shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
 - 20) 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 of solid waste.
 - 21) The applicant shall not change or alter the 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. The industry will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
 - 22) The industry shall ensure that fugitive emissions from the activity are controlled so as to maintain clean and safe environment in and around the factory premises.
 - 23) The industry shall submit quarterly statement in respect of industries obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can be downloaded from MPCB official site).
 - 24) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
 - 25) The industry shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dt. 16.11.2009 as amended.
 - 26) The industry shall recycle/reprocess/reuse/recover hazardous waste as per the provision contained in the HW (M.H & TM) Rules 2016, which can be recycled/ processed/ reused/ recovered and only waste which has to be incinerated shall go to incineration and waste which cannot be used for land filling and cannot be recycled/ reprocessed etc. should go for that purpose in order to reduce load on incineration and landfill site/ environment.

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