

MAHARASHTRA POLLUTION CONTROL BOARD

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Sion (E), Mumbai - 400 022

Infrastructure/Red/ L.S.I

Consent order No: *Format 1.0/BO/PSO/CC-9716*

Date: *10/08/2016*

To,

**M/s. Raptakos Brett & Co. Ltd.,
Plot Bearing S.No. 217, H.No. 1,2, S.No. 220.
H.No. 1,3,5, S.No. 222, S.No. 225, H. No. 1,2,3,4,5,
S. No. 226, H.No. 1,2,3,4,5, S. No. 227, H. No. 4
at Majiwade, Thane**

Sub : Consent to Establish in Red category for Hospital Building / construction project.

Ref : Minutes of 13th Consent Committee meeting held on 16/12/2015

Your application:- CE1507000622, Date:-03/09/2015

For: **Consent to Establish for Construction of Hospital project.**

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 Municipal Solid Waste (Management & Handling) Rule 2000, Biomedical Waste (Management and Handling) Rules 1998, as amended and E-Waste (Management & Handling) Rule 2011 is considered and the consent is hereby granted subject to the following terms and conditions and as detailed in the schedule I, II, III & IV annexed to this order:

1. The consent to Establish is granted for a period upto:- **Commissioning of the unit or five years, whichever is earlier.**
2. The Proposed Capital investment of the Project is **Rs 200.0 Cr.**

The Consent to Establish is valid for development of 'Hospital of 100 beds' project by named as "M/s. Raptakos Brett & Co. Ltd., located at Plot Bearing S.No. 217, H.No. 1,2, S.No. 220., H.No. 1,3,5, S.No. 222, S.No. 225, H. No. 1,2,3,4,5, S. No. 226, H.No. 1,2,3,4,5, S. No. 227, H. No. 4 at Majiwade, Thane on total plot area of **7608.95 m²** and total construction built up area of **24150.41 m²**. As per construction commencement certificate issued by local body and as per Environment clearance obtained from MoEFCC on 13.08.2015

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

Sr. no.	Description	Permitted quantity of discharge	Standards to be achieved	Disposal
1.	Trade effluent	Nil	NA	NA
2.	Domestic effluent	95 KLD	As per Schedule -I	60% shall be reused & recycled and remaining treated sewage shall be discharged in municipal sewer.

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

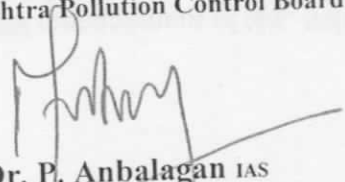
Sr. No.	Description of stack / source	Number of Stack	Standards to be achieved
1.	DG sets (2500 & 2000 KVA)	2	As per Schedule -II

5. Conditions under Municipal Solid Waste (Management and Handling) Rule, 2000

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1.	Biodegradable Waste	115.0	Kg/Day	OWC	Used as manure
2.	Non Biodegradable Waste	76.0	Kg/Day	Segregation	By sale /local body

6. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
7. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
8. The applicant shall comply with the conditions stipulated in Environment Clearance granted by MoEFCC, GoI, vide no: F.No. 21-169/2014-IA.III, dated 13/08/2015.
9. Project proponent shall submit an affidavit in Board' prescribed format within 15 days regarding the compliance of conditions of Environment Clearance and Consent to Establish.
10. You shall submit Bank Guarantee of Rs. 10.0 Lakhs towards compliance of condition no. 8 & 9 of Environment Clearance mentioned and for submission of Capital Investment certificate certified by C.A. within 30 days to Regional Office, Thane - Schedule- III
11. You shall also submit Bank Guarantee of Rs. 1.50 Lakhs towards compliance of condition mentioned at Schedule - IV to Regional Office, Thane within 30 days.
12. You shall submit compliance of Bank Guarantee conditions every six months to Regional Officer, Thane for verification purpose.
13. You shall submit application for First Combined Consent to Operate and Biomedical Waste authorization along with appropriate fees.
14. You shall not commence operation of hospital, without obtaining Consent to Operate and Biomedical Waste authorization from Board.

For and on behalf of the
Maharashtra Pollution Control Board


Dr. P. Anbalagan IAS
Member Secretary

Received Consent fee of -

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On
1	400100/-	677536	22/06/2015	HDFC Bank

Copy to:

1. Regional Officer, MPCB, Thane. and Sub-Regional Officer, Thane-I, they are directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.
3. CC/CAC desk- for record & website updation purposes.

Schedule-I

Terms & conditions for compliance of Water Pollution Control:

- 1) A] As per your consent application, you have proposed to provide the sewage treatment system with the design capacity of 95.0 KLD.
- B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards/ prescribed under EP Act, 1986 and Rules made there under from time to time, whichever is stringent.

1	Suspended Solids	Not to exceed	50.0 mg/l.
2	BOD 3 Days 27 degree C	Not to exceed	30.0 mg/l.
3	COD	Not to exceed	100.0 mg/l.

C] The treated domestic effluent shall be 60% recycled and reused for flushing, fire fighting and cooling of Air conditioners etc. The remaining shall be discharged into Municipal sewer/ utilized on land for gardening after conforming to above standards. The firm shall affix the separate meter for ensurance of 60% recycling of treated sewage and keep the records of the same. In no case effluent shall find its way to any water body directly /indirectly at any time.

- 2) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of water, works 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 or an extension or addition thereto.
- 3) The firm 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.
- 4) In case, the water consumption of the project is not covered under the water consumption of local body, in that situation, the project proponent shall submit the CESS Returns in the prescribed format given under the provision of Water (Prevention & Control of Pollution) Cess Act, 1977 and Rules made thereunder for various category of water consumption.

In case the water consumption is duly assessed under the quantity of water consumption of local body, the project proponent shall submit certificate to that effect from the concern local body with the request not to assess CESS on their water consumption, being already assessed on the water consumption of local body.

Sr. no.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Construction Phase	
i	Domestic purpose	35.0
2	Operational Phase	
i	Domestic purpose	88.0
ii	Trade purpose	12.0



Schedule-II

Terms & conditions for compliance of Air & Noise Pollution Control:

1. As per your application, you have proposed to erect following stack (s) and to observe the following fuel pattern-

Sr. No.	Stack Attached To	Height in Mtrs. (Above roof top)	Type of Fuel	Quantity
1.	DG sets (2500 & 2000KVA)	15.0	Diesel	165.0 Lit/Hr

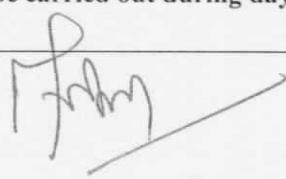
* D.G. Set shall be operate only in case of power failure.

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

Particulate matter	Not to exceed	150.00 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. Conditions during construction phase:-

a	During construction phase, applicant shall provide temporary sewage disposal and MSW facility for staff and worker quarters.
b	During construction phase, the ambient air and noise quality should be closely monitored to achieve Ambient Air Quality Standards and Noise by the project proponent through MoEF approved laboratory.
c	Noise generating activity shall be carried out during day time only.



**Schedule-III
Details of Bank Guarantees**

Sr. No.	Consent (C to E/O/R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
1	Establish	Rs. 10.0 lakh	30 days	Rs.10.0 lakh for ensuring the compliance of consent conditions and also for conditions of Environment Clearance and submission of C.I. certified by C.A. within 30 days to RO- Thane	Upto Commissioning of the unit	Five years

[Handwritten Signature]

Schedule-IV : Bank Guarantees

Statement of conditions to be complied and Bank Guarantee imposed to ensure timely compliance to be observed by M/s. Raptakos Brett & Co. Ltd., Thane (hospital project)

Sr. No.	Activity / Condition to be Complied	Compliance Timeline (Months)	Bank Guarantee Amount
II	Performance		
1	To provide Separate BMW storage facility As per guidelines of CPCB.	Upto Commissioning of the unit	50,000/-
2	To install STP if adequate capacity	Upto Commissioning of the unit	1,00,000/-
		Total	1,50,000/-
Rupees One Lakh Fifty Thousand only			



Schedule - V

General Conditions

The following general conditions shall apply as per the type of the industry

- 1) You 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) You should monitor effluent quality, stack emissions, noise and ambient air quality quarterly.
- 3) You 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) You 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) You 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 to Regional office, Mumbai.
- 7) You shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW (MH&TM) Rules 2008, 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) You shall comply with the Hazardous Waste (M, H & TM) Rules, 2008 and submit the Annual Returns as per Rule 5(6) & 22(2) of Hazardous Waste (M, H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year to Regional Office, Mumbai.
- 9) An inspection book shall be opened and made available to the Board's officers during their visit to the HCE.
- 10) You 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) You shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent & authorization 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 HCE.
- 14) You 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) You should not cause any nuisance in surrounding area.
- 16) You 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.

- 17) You shall maintain good housekeeping.
- 18) You 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 to Regional Office, Mumbai.
- 19) 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.
- 20) You 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. You will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
- 21) You shall submit quarterly statement in respect of obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
- 22) You shall submit official e-mail address and any change will be duly informed to the MPCB.
- 23) You shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd. 16.11.2009 as amended
- 24) You shall observe provisions of E-waste (Management and Handling) Rules 2011 and Battery Waste (Management and Handling) Rules 2001, as amended.
- 25) The applicant shall provide facility for collection of samples of 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.
- 26) The firm shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and environmental protection Act 1986 and Municipal Solid Waste (Management & Handling) Rule 2000 and E-Waste (Management & Handling) Rule 2011.
- 27) Drainage system shall be provided for collection of sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No sewage shall be admitted in the pipes/sewers downstream of the terminal manholes. No sewage shall find its way other than in designed and provided collection system.
- 28) Vehicles hired for bringing construction material to the site should be in good condition and should conform to applicable air and noise emission standards and should be operated only during non-peak hours.
- 29) 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) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.

- 30) Solid Waste – The applicant shall provide onsite municipal solid waste processing system & shall comply with Municipal Solid Waste (Management & Handling) Rule 2000 & E-Waste (M & H) Rule 2011.
- 31) Affidavit undertaking in respect of no change in the status of consent conditions and compliance of the consent conditions the draft can be downloaded from the official web site of the MPCB.
- 32) The industry shall submit official e-mail address and any change will be duly informed to the MPCB.
- 33) The treated sewage shall be disinfected using suitable disinfection method.
- 34) The firm shall submit to this office, the 30th day of September every year, the environment statement report for the financial year ending 31st march in the prescribed Form-V as per the provision of rule 14 of the Environmental (Protection) Second Amended rule 1992.
- 35) **The applicant shall obtain Consent to Operate from Maharashtra Pollution Control Board before Commissioning of the project.**

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