

# MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 0721-2563593/94

Fax : 0721-2563597

Email : roamravati@mpcb.gov.in

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



Sahakar Surbhi Bapatwadi,

Near Vivekanand Colony,

Amravati-444606

Orange/SSI

Consent order No: RO-AMRAVATI/CONSENT/2106000396

BMW Auth. Order No: RO-AMRAVATI/BMW\_AUTH/2106000196

Date:09/06/2021.

To,

M/s Pathak Hospital

Netradan Marg, Khaparde Garden,

Amravati, Tal. and Dist.-Amravati.

Subject: Combined Consent to Operate and Renewal of Bio-medical waste Authorization

Ref : Applied for Combined Consent to Operate and Renewal of Bio-medical Waste Authorization vide UAN No. 0000113737, Auth. UAN No. 0000033391.

under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981, Authorization under Rule 6 of the Hazardous and Other Waste (Management and Transboundary Movement) Rules, 2016 and Bio-Medical Waste Management Rules, 2016 as amended is considered and the consent is hereby granted subject to following terms and conditions as detailed in the schedule I, II, III, IV & V annexed to this order.

1. The combined consent to operate and BMW authorization is granted for a period Upto 31/01/2024.
2. The actual capital investment of the Health Care Establishment is Rs. 5.25/- Lakh's (As per Chartered Accountant Certificate submitted by applicant).
3. The Combined consent to operate and BMW authorization is valid for the Activity of

Sr. No.	Activity	Beds
1	Health Care Establishment a Pathology Lab on Total Plot Area of 327 sq. mtrs. and Total Construction BUA of 200 sq. mtrs.	5

4. 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	6.00	As per Schedule -I	The treated effluent shall be recycled to the maximum extent for flushing, and remaining shall be used on land for gardening and remaining shall be connected to the sewerage system provided by local body
2.	Domestic effluent	2.00	As per Schedule -I	

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

Sr. No.	Description of stack/ source	Number Of Stack	Standards to be achieved
1.	....NA....		

6. Conditions under Solid Waste Management Rules, 2016 :

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	Wet garbage	As per Actual	Kg/Day	--	Recycle or Hand over to local body

2	Dry garbage	As per Actual	Kg/Day	--	Recycle or Hand over local body
---	-------------	---------------	--------	----	---------------------------------

**7. Conditions under E-Waste Management Rule, 2016 :**

Sr. No.	Type Of Waste	Quantity	Treatment	Disposal
1	E-waste	As actual	Nil	Through authorized recyclers

**8. Conditions under Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 for treatment and disposal of hazardous waste:**

Sr. No.	HW category	Type Of Waste	Quantity	UOM	Treatment	Disposal
1.	35.3	Chemical sludge from waste water treatment	As per actual	Kg/Y	--	Shall be sent at CBMWTSDF for incineration

9. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
10. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
11. This consent is issued subject to conditions mentioned below.
- The "authorized Person" Director Administrator of M/s Pathak Hospital, Netradan Marg, Khaparde Garden, Amravati, Tal. and Dist. Amravati shall comply with the provisions of the Environment (Protection) Act, 1986, and the Rules made there under.
  - Any unauthorized change in equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of this authorization.
  - You shall submit details of Management and Handling of outdated, discarded, unused **Cytotoxic drugs** generated in the Cancer centers, research and health care in the format prescribed by CPCB which is available on [www.cpcb.nic.in](http://www.cpcb.nic.in) alongwith Annual Report to MPCB with a copy to CPCB before 31<sup>st</sup> January every year.
  - You shall manage the **Mercury Waste** in the HCE in environmentally sound manner (including storage, spilled collection, transportation and disposal) as per CPCB guidelines published on CPCB website [www.cpcb.nic.in](http://www.cpcb.nic.in) dated 07.09.2010 as detailed in document entitled "Environmentally Sound Management of Mercury Waste in Health Care Facilities".
  - The occupier shall phase out the chlorinated plastic bags, gloves and blood bags within two years from BMW Rules, 2016.
  - The occupier shall ensure that the liquid waste is treated and disposed in accordance with the Water (P & CP) Act, 1974.
  - The occupier shall maintain day to day basis records of BMW & display monthly records including Annual report and its website within two years from BMW Rules, 2016.
  - If the Built-up area exceeds more than 20,000 sq.mtrs and if the hospital is commissioned after 14.09.2006, then they shall comply with EIA Notification dated 14.09.2006 and amendments thereof by obtaining Environmental Clearance.

For and on behalf of the  
Maharashtra Pollution Control Board

(Sanjay D. Patil)  
/c Regional Officer



Received Consent and BMW Authorization fee of –

Sr. No.	Unique No	Description	Amount (Rs.)	Transaction number	Transaction Date	Approved On
1	MPCB-CONSENT-0000111640	Consent Fee	1500.00	TXN2103003704	30-03-2021	30-03-2021

Copy to:

1. Sub-Regional Officer, MPCB, SRO Amravati-I: It is directed to ensure the compliance of the consent conditions.
2. Chief Accounts Officer, MPCB, Mumbai.

Schedule-I

I) Terms & Conditions for compliance of Water Pollution Control

- 1) A] Applicant shall ensure segregation of liquid chemical waste at source and ensure pre-treatment or neutralization prior to mixing with other effluent generated from health care facilities and shall provide effluent Treatment system/STP with adequate design capacity.
- B] The Applicant shall operate the effluent treatment system to treat the effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made, there under from time to time, whichever is stringent

Sr.No	Parameters	Standards prescribed by Board
		Limiting Concentration in mg/l, except for pH
01	pH	Between 6.5 to 9.0
02	Suspended Solids	100
03	Oil & grease	10
04	BOD (3 days 27°C )	20
05	COD	250
06	Bio-assay test	90% survival of fish after 96 hours in 100% effluent.

- C] The treated effluent shall be recycled to the maximum extent for flushing and remaining shall be used on land for gardening and connected to the sewerage system provided by local body. 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 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 or an extension or addition thereto.
- 3) 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.

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/ Environmental Clearance / CREP guidelines if applicable.



- 5) 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 under the provision of Water (Prevention & Control of Pollution) Cess Act, 1977 and Rules 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.

**II) Water Consumption:**

Sr. No.	Purpose for water consumed	Water Consumption quantity CMD
1.	Industrial Cooling, boiler feed etc.,	0.00 CMD
2.	Domestic purpose	0.30 CMD
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	6.00 CMD
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	

**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 also erected following stack (s) to observe the following fuel pattern-

Sr. No.	Stack Attached To	APC System	Height in Mtrs.	Type Of Fuel	Quantity	S%
1	...NA...					

(\* = Above the roof of building in which it is installed.)

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 mg/Nm <sup>3</sup>
--------------------	---------------	------------------------

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).

**Schedule-III**

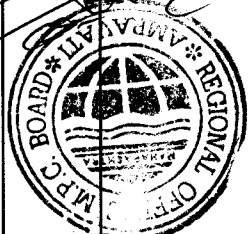
**Terms & Conditions for compliance of Biomedical Waste Management**

The "authorized Person" Administrator of M/s Pathak Hospital, Netradan Marg, Khaparde Garden, Amravati shall comply with the provisions of the Environment (Protection) Act, 1986, and the Rules made there under.

The combined consent is granted for generation and disposal of Bio-Medical Waste (BMW) in waste categories and quantities listed here in below:



Sr. No.	Category	Type of Waste	Quantity not to exceed (Kg/M)	Type of Bag or Container to be used	Treatment and Disposal options
1	Yellow	<b>(a) Human Anatomical Waste:</b> Human tissues, organs, body parts and fetus below the viability period (as per the Medical Termination of Pregnancy Act 1971, amended from time to time).	5.0	Yellow coloured non-chlorinated plastic bags	Incineration or Plasma Pyrolysis
		<b>(b) Animal Anatomical Waste :</b> Experimental animal carcasses, body parts, organs, tissues, including the waste generated from animals used in experiments or testing in veterinary hospitals or colleges or animal houses.	Nil	Yellow coloured non-chlorinated plastic bags	
		<b>(c) Soiled Waste:</b> Items contaminated with blood, body fluids like dressings, plaster casts, cotton swabs and bags containing residual or discarded blood and blood components.	Nil	Yellow coloured non-chlorinated plastic bags	Incineration or Plasma Pyrolysis In absence of above facilities, autoclaving or micro-waving/ hydroclaving followed by shredding or mutilation or combination of sterilization and shredding. Treated waste to be sent for energy recovery.
		<b>(d) Expired or Discarded Medicines:</b> Pharmaceutical waste like antibiotics, cytotoxic drugs including all items contaminated with cytotoxic drugs along with glass or plastic ampoules, vials etc.	0.20	Yellow coloured non-chlorinated plastic bags or containers	Expired cytotoxic drugs and items contaminated with cytotoxic drugs to be returned back to the manufacturer or supplier for incineration at temperature >1200 OC or to common bio-medical waste treatment facility or hazardous waste treatment, storage and disposal facility for incineration at >12000C Or Encapsulation or Plasma Pyrolysis at >12000C.  All other discarded medicines shall be either sent back to manufacturer or disposed by incineration.
		<b>(e) Chemical Waste:</b> Chemicals used in production of biological and used or discarded disinfectants.	As per actuals	Yellow coloured containers or non-chlorinated plastic bags	Disposed of by incineration or Plasma Pyrolysis or Encapsulation in hazardous waste treatment, storage and disposal facility.
		<b>(f) Chemical Liquid Waste :</b> Liquid waste generated due to use of chemicals in production of biological and used or discarded disinfectants, Silver X-ray film developing liquid, discarded Formalin, infected secretions, aspirated body fluids, liquid from laboratories and floor washings, cleaning, house-keeping and disinfecting activities etc.	6.0 CMD	Separate collection system leading to effluent treatment system	After resource recovery, the chemical liquid waste shall be pre-treated before mixing with other wastewater. The combined discharge shall conform to the discharge norms given in Schedule-III of Bio-Medical Waste Management Rules, 2016



		(g) Discarded linen, mattresses, beddings contaminated with blood or body fluid.	2.0	Non-chlorinated yellow plastic bags or suitable packing material	Non-chlorinated disinfection followed by incineration or Plasma Pyrolysis or for energy recovery.  In absence of above facilities, shredding or mutilation or combination of sterilization and shredding. Treated waste to be sent for energy recovery or incineration or Plasma Pyrolysis.
		(h) Microbiology, Biotechnology and other clinical laboratory waste: Blood bags, Laboratory cultures, stocks or specimens of microorganisms, live or attenuated vaccines, human and animal cell cultures used in research, industrial laboratories, production of biological, residual toxins, dishes and devices used for cultures.	Nil	Autoclave safe plastic bags or containers	Pre-treat to sterilize with nonchlorinated chemicals on-site as per National AIDS Control Organisation or World Health Organisation guidelines thereafter for Incineration.
2	Red	<b>Contaminated Waste (Recyclable)</b> (a) Wastes generated from disposable items such as tubing, bottles, intravenous tubes and sets, catheters, urine bags, syringes (without needles and fixed needle syringes) and vacutainers with their needles cut) and gloves.	5.0	Red coloured non-chlorinated plastic bags or containers	Autoclaving or micro-waving/ hydroclaving followed by shredding or mutilation or combination of sterilization and shredding. Treated waste to be sent to registered or authorized recyclers or for energy recovery or plastics to diesel or fuel oil or for road making, whichever is possible.  Plastic waste should not be sent to landfill sites.
3	White (Translucent)	<b>Waste sharps including Metals:</b> Needles, syringes with fixed needles, needles from needle tip cutter or burner, scalpels, blades, or any other contaminated sharp object that may cause puncture and cuts. This includes both used, discarded and contaminated metal sharps.	0.50	Puncture proof, Leak proof, tamper proof containers	Autoclaving or Dry Heat Sterilization followed by shredding or mutilation or encapsulation in metal container or cement concrete; combination of shredding cum autoclaving; and sent for final disposal to iron foundries (having consent to operate from the State Pollution Control Boards or Pollution Control Committees) or sanitary landfill or designated concrete waste sharp pit.
4	Blue	(a) Glassware: Broken or discarded and contaminated glass including medicine vials and ampoules except those contaminated with cytotoxic wastes.	—	Cardboard boxes with blue colored marking	Disinfection (by soaking the washed glass waste after cleaning with detergent and Sodium Hypochlorite treatment) or through autoclaving or microwaving or hydroclaving and then sent for recycling.
		(b) Metallic Body Implants	Nil	Cardboard boxes with blue colored marking	

**No onsite treatment of BMW is permitted. The above mentioned Bio medical Waste shall be sent to Common BMW Treatment & Disposal facility authorised by MPCB**

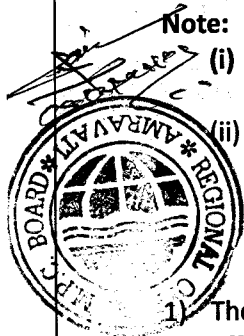


- (i) No untreated bio-medical waste shall be mixed with other wastes.
  - (ii) The bio-medical waste shall be segregated into containers or bags at the point of generation in accordance with Schedule I prior to its storage, transportation, treatment and disposal.
  - (iii) The containers or bags referred to in sub-rule (2) shall be labeled as specified in Schedule IV.
  - (iv) Bar code and global positioning system shall be added by the Occupier and common bio-medical waste treatment facility in one year time.
  - (v) The operator of common bio-medical waste treatment facility shall transport the bio-medical waste from the premises of an occupier to any off-site bio-medical waste treatment facility only in the vehicles having label as provided in part 'A' of the Schedule IV along with necessary information as specified in part 'B' of the Schedule IV.
  - (vi) The vehicles used for transportation of bio-medical waste shall comply with the conditions if any stipulated by the State Pollution Control Board or Pollution Control Committee in addition to the requirement contained in the Motor Vehicles Act, 1988 (59 of 1988), if any or the rules made there under for transportation of such infectious waste.
  - (vii) Untreated human anatomical waste, animal anatomical waste, soiled waste and, biotechnology waste shall not be stored beyond a period of forty –eight hours:  
Provided that in case for any reason it becomes necessary to store such waste beyond such a period, the occupier shall take appropriate measures to ensure that the waste does not adversely affect human health and the environment and inform the prescribed authority along with the reasons for doing so.
  - (viii) Microbiology waste and all other clinical laboratory waste shall be pre-treated by sterilisation to Log 6 or disinfection to Log 4, as per the World Health Organisation guidelines before packing and sending to the common bio-medical waste treatment facility.
  - (ix) Necessary protective gear for the waste handlers shall be provided by the hospital Authority.
  - (x) You shall ensure proper collection of mercury spillage arising mainly due to breakage of thermometers, pressure gauges (Sphygmomanometers) other equipments used in health care facilities (HCFs) as well as its storage in accordance with the Hazardous waste (Management & Handling) Rules (presently these Rules has to be read as 'Hazardous Waste (Management & Handling and Trans boundary Movement) Rules, 2008) and returning it to the instrument manufacturers apart from necessary taking steps to ensure that the spilled mercury does not become a part of bio-medical or other solid wastes generated from the HCFs.
4. (i) You shall submit an Annual Report to the prescribed authority in Form-IV by 30<sup>th</sup> June every year including information about the categories and quantities of BMW handled during the preceding year.
  - (ii) You shall maintain records related to the generation, collection, reception, storage, transportation, treatment, disposal and/or any form of handling of BMW in accordance with these Rules and any guidelines issued.
  - (iii) All records shall be subject to inspection and verification by the prescribed authority at any time.
  5. When any accident occurs at any institution or facility or any other site where BMW is handled or during transportation of such waste, the authorized person shall report the accident in Form I to the prescribed authority forthwith.
  6. You shall submit valid registration copy of Bombay Nursing Home Act to Board.
  7. The Occupier will obey all the lawful instructions issued by the Board Officers from time to time.

#### Schedule-IV : Bank Guarantees

##### **Note:**

- (i) The above Bank Guarantee(s) shall be submitted by the applicant at the respective Regional Office within 15 days of the date of issue of Combined Consent and Authorization (CCA).
- (ii) The Bank Guarantee(s) shall be valid for a period upto: Validity of CCA + 4 months



#### Schedule-V

##### 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. chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, 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 30<sup>th</sup> day of September every year, the Environmental Statement Report for the financial year ending 31<sup>st</sup> 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 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) The industry should 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 30<sup>th</sup> 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) **The applicant shall make an application for renewal of the consent at least 60 days before the date of the expiry of the consent.**
- 11) 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](http://www.mpcb.gov.in)).
- 12) 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.
- 13) 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.
- 14) Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the factory.
- 15) 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.
- 16) **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.  
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.  
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.
- 17) The industry should not cause any nuisance in surrounding area.
  - 18) 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.
  - 19) The applicant shall maintain good housekeeping.
  - 20) 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 31<sup>st</sup> March of the year and number of trees planted by September end.
  - 21) 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.
  - 22) 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 equipment's 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.
  - 23) 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.
  - 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.

For and on behalf of the  
Maharashtra Pollution Control Board

(Sanjay D. Patil)

I/c Regional Officer

...000...

