

MAHARASHTRA POLLUTION CONTROL BOARD

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Mumbai-400 022.

Red/LSI

Consent order No: BO/CAC Cell/CCA/CAC-0293

Date: 21/03/2017

To,
M/s. Jaslok Hospital & Research Centre,
Dr. G. Deshmukh Marg, Pedder Road, Mumbai

Subject: Grant of Combined Consent to Operate and BMW Authorization under RED category

Ref :

1. Previous BMW Authorization issued vide MPCB/PSO/BMW/Mumbai/2013-68 dated 01.06.2013 valid upto 28.08.2015
2. Previous Consent to Operate granted vide BO/CAC-Cell/EIC MU-5106-13/E&O/CAC-12450 dated 26.12.2014 valid upto 28.08.2015
3. Your application approved in 4th CAC meeting of 2016-2017 (3rd sitting) held on 15.10.2016

Your Application no. CR1507000526 dated 08.07.2015

For: Grant of Combined Consent to Operate and BMW Authorization

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 Wastes (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 and 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 31.08.2018.
2. The actual capital investment of the Health Care Establishment is Rs. 221.05 crs (As per documents 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 having 361 beds on Total Plot area of 6167 sq.m. and Total construction BUA of 22,699.45 sq.m. (without laundry activity) | 361 nos. of beds of HCE |

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 | Nil | NA | NA |
| 2. | Domestic effluent | 292 | As per Schedule -I | The treated effluent shall be recycled to the maximum extent and remaining shall be |

| | | | | |
|--|--|--|--|---|
| | | | | connected to the sewerage system provided by local body |
|--|--|--|--|---|

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 | D.G. Set (1x500 KVA) (1x380 KVA) | 2 | As per Schedule -II |

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

| Sr. No. | Type Of Waste | Quantity | UOM | Treatment | Disposal |
|---------|---------------|-----------|--------|-----------|------------------------------------|
| 1 | Wet garbage | 179 | Kg/Day | OWC | Manure |
| 2 | Dry garbage | 417 | Kg/Day | -- | Recycle or Hand over to local body |
| 3 | STP Sludge | As actual | Kg/day | -- | Manure |

7. Conditions under E-Waste (Management and Handling) Rule, 2011 :

| 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 | 5.1 | Used/ spent oil | As actual | Kg/M | -- | sale to authorized Recycler |
| 2 | 35.3 | Sludge from Effluent Treatment Plant | As actual | Kg/M | -- | shall be given to common bio-medical waste treatment facility for incineration or to hazardous waste treatment, storage and disposal facility for disposal. |

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. Applicant shall provide OWC (organic waste converter) within 4 months time period.
12. This consent is issued subject to conditions mentioned below,
- The "authorized Person" Director Administrator of M/s. Jaslok Hospital & Research Centre, Dr. G. Deshmukh Marg, Pedder Road, Mumbai 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 alongwith Annual Report to MPCB with a copy to CPCB before 31st January every year.
- iv) 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 dated 07.09.2010 as detailed in document entitled "Environmentally Sound Management of Mercury Waste in Health Care Facilities".
- v) You shall submit compliance of Bank Guarantee conditions every six months to **Regional Officer, Mumbai** for verification purpose.

For and on behalf of the
Maharashtra Pollution Control Board

(Dr. P. Anbalagan, IAS)
Member Secretary

Received Consent and authorization fees of –

| Sr. No. | Amount(Rs.) | DD. No./RTGS | Date | Drawn On |
|---------|-------------|---|------------|-----------|
| 1 | 1,23,750/- | 001331 | 29.06.2015 | IDBI Bank |
| 2 | 1,31,350/- | This amount was earlier balance with the Board as stated in previous consent to operate dated 26.12.2014 and same is now being considered herewith. Now there is no consent fees balance with the Board | | |
| 3 | 14,07,920/- | RTGS | 22.02.2017 | RTGS |

Copy to:

1. Regional Officer, MPCB, Mumbai and Sub -Regional Officer, MPCB, Mumbai-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

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 with adequate design capacity. As per your consent application, you have provided the sewage treatment system (STPs) with the design capacity of 300 CMD.

B) The Applicant shall operate and maintain 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.

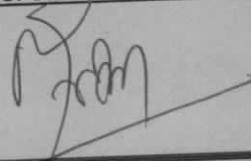
| Sr.No | Parameters | Standards prescribed by Board |
|-------|--------------------|---|
| | | Limiting Concentration in mg/l, except for pH |
| 01 | pH | Between 6.5 to 9.0 |
| 02 | Suspended Solids | 100 |
| 03 | Oil & grease | 10 |
| 04 | BOD (3 days 27°C) | 30 |
| 05 | COD | 250 |
| 06 | Bio-assey test | 90% survival of fish after 96 hours in 100% effluent. |

C) The treated effluent shall be recycled to the maximum extent and remaining shall be connected to the sewerage system provided by local body.

- 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.
- 4) 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 given under the provision of Water (Prevention & Control of Pollution) Cess Act, 1977 and Rules made thereunder for various category of water consumption.

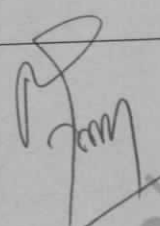
In case the water consumption is duly assessed under the quantity of water consumption of local body, the project proponent shall submit certificate to that effect from the concern local body with the request not to assess CESS on their water consumption, being already assessed on the water consumption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

II) Conditions under Water (Prevention & Control of Pollution) CESS Act, 1977 as amended



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, boiler feed etc., | -- |
| 2. | Domestic purpose | 465 |
| 3. | Processing whereby water gets polluted & pollutants are easily biodegradable | -- |
| 4. | Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic | -- |



Maharashtra Pollution Control Board

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-

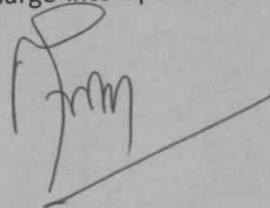
| Sr. No. | Stack Attached To | APC System | Height in Mtrs. | Type Of Fuel | Quantity | S% |
|---------|----------------------|--------------------|-----------------|--------------|------------------------------------|----|
| 1 | D.G. Set (1x500 KVA) | Acoustic enclosure | 4.4* | HSD | @ 0.21 liters/hr/KVA at full load. | 1 |
| 2 | D.G. Set (1x380 KVA) | Acoustic enclosure | 3.9* | HSD | @ 0.21 liters/hr/KVA at full load. | 1 |

*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 ³ |
|--------------------|---------------|------------------------|

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. Ambient noise level should be confirmed to prescribe standards both during day and night time. The ambient air and noise quality should be closely monitored during any construction phase in the premises.
6. Conditions for utilities like Kitchen, Eating Places:-
- The kitchen shall be provided with exhaust system chimney with oil catcher connected to chimney through ducting.
 - The toilet shall be provided with exhaust system connected to chimney through ducting.
 - The air conditioner shall be vibration proof and the noise shall not exceed 68 dB(A).
 - The exhaust hot air from A.C. shall be attached to Chimney at least 5 mtrs. higher than the nearest tallest building through ducting and shall discharge into open air in such a way that no nuisance is caused to neighbors.



Schedule-III

I) Terms & Conditions for compliance of Biomedical Waste Management

- The "authorized Person" Administrator of M/s. Jaslok Hospital & Research Centre, Dr. Deshmukh Marg, Pedder Road, Mumbai shall comply with the provisions of the Environment (Protection) Act, 1986, and the Rules made there under.
- The combined consent and authorization 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 | (a) Human Anatomical Waste: 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). | 34 | Yellow coloured non-chlorinated plastic bags | Incineration or Plasma Pyrolysis |
| | | (b) Animal Anatomical Waste : 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 | |
| | | (c) Soiled Waste: Items contaminated with blood, body fluids like dressings, plaster casts, cotton swabs and bags containing residual or discarded blood and blood components. | 2149 | 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. |
| | | (d) Expired or Discarded Medicines: Pharmaceutical waste like antibiotics, cytotoxic drugs including all items contaminated with cytotoxic drugs along with glass or plastic ampoules, vials etc. | 1254 | 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. |
| | | (e) Chemical Waste: Chemicals used in production of biological and used or discarded disinfectants. | -- | 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. |
| | | (f) Chemical Liquid Waste : 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. | -- | 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. | Nil | Non-chlorinated yellow plastic bags or suitable packing material | Non-chlorinated chemical disinfection followed by incineration or Plazma 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 Plazma 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. | 320 | 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 | Contaminated Waste (Recyclable) (a) Wastes generated from disposable items such as tubing, bottles, intravenous tubes and | 4883 | Red coloured non-chlorinated plastic bags or containers | Autoclaving or micro-waving/ hydroclaving followed by shredding or mutilation or combination of sterilization and |

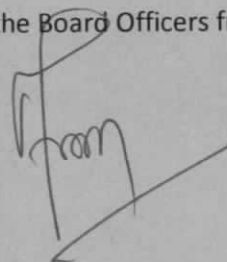
| | | | | | |
|--|---------------------|---|-----|---|--|
| | | sets, catheters, urine bags, syringes (without needles and <i>fixed needle syringes</i>) and vaccutainers with their needles cut) and gloves. | | | shredding. Treated waste to be sent to registered or authorized recyclers or for energy recovery 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) | Waste sharps including Metals: 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 | 909 | 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. | 500 | 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 | | | | | |

3.

- (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 30th 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.



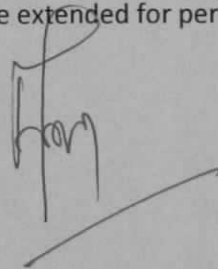
Schedule-IV : Bank Guarantees

Statement of conditions to be complied and Bank Guarantee imposed to ensure timely compliance to be observed by M/s. Jaslok Hospital & Research Centre, Dr. Deshmukh Marg, Pedder Road, Mumbai

| Sr. No. | Activity / Condition to be Complied | Compliance Timeline (Months) | Bank Guarantee Amount |
|--------------|--|------------------------------|-------------------------|
| I (A) | Operation and Maintenance | | |
| 1 | To Segregate and Handle BMW as per Rule | Continuous | 50,000/- |
| 2 | Operation and Maintenance of STP/ETP to achieve prescribed discharge standards | Continuous | 50,000/- |
| I (B) | Records | | |
| 1 | To Maintain records of BMW and submission of Annual Report in Form -II before 31 st January | Continuous | 25,000/- |
| 2 | To maintain records of BMW material delivered to CBMWTSDF | Continuous | 25,000/- |
| II | Performance | | |
| 1 | To provide Separate BMW storage facility As per guidelines of CPCB. | Six | 50,000/- |
| 2 | To provide STP/ETP for treatment of domestic effluent/ trade effluent. | Six | 1,00,000/- |
| | | Total | 3,00,000/- |
| | | | Rupees Three lakhs only |

Note:

- ** The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent.
- ++ The Bank Guarantee(s) shall be valid for a period upto: Validity of consent + 4 months
- # Existing BG obtained for above purpose if any may be extended for period of validity as above.



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. 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 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 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) 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).
- 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.
- 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.
- 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 31st 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 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.
 - 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.

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