MAHARASHTRA POLLUTION CONTROL BOARD

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Consent order No: Format1.0 BO/CAC Cell/EIC-PN-26094-15 & PN-26625-15/CCA/CAC-9340
Date: 22/07/2016

To,
M/s. Krishna Charitable Trust, Krishna Hospital & Medical Research Centre,
Dhebewadi road, Malkapur, Tal. Karad, Dist. Satara

Subject: Combined renewal of Consent to Operate and renewal of BMW Authorization under RED category to Health Care Establishment (HCE)

Ref :

1. Previous Authorization no. JD(PAMS)/BMW/Pune-72 dated 17.01.2015 valid upto 31.08.2015.
2. Previous consent vide no. BO/CAC-Cell/EIC-PN-15123-12/E&O/CAC-2363 dtd. 02.03.2015 valid upto 31.08.2015.
3. Your application approved in 1st CAC meeting of 2016-2017 held on 27.04.2016.

Your Application no.: CR1507000042 dtd. 02.07.2015 and CE1507000024 dtd. 02.07.2015
For: Combined renewal of Consent to Operate and renewal of 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 5 of the Hazardous Wastes (M, H & T M) Rules 2008 and Biomedical Waste (Management and Handling) Rules 1998, 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. 131.38 crs. (As per C.A. certificate submitted by HCE)**

3. **The Combined Consent and BMW Authorization is valid for the Activity of –**

Sr. No.	Activity	Beds
1	Health Care Establishment with Laundry activity (on Total Plot area 1,28,200 sq.m. and Total Construction BUA of 19,595.16 sq.m)	1025 nos.

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	40.2	As per Schedule –I	The treated trade effluent shall be recycled to maximum extent and remaining shall be utilized on land for gardening.
2.	Domestic	400	As per Schedule -I	The treated effluent be 60%

	effluent			recycled for secondary purposes and remaining shall be utilized on land for gardening.

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	Incinerator-35 Kg/hr	1	As Per Schedule -II
2	DG Set (1 x 125 KVA)	1	As Per Schedule -II
3	DG Set (2 x 250 KVA)	2	As Per Schedule -II
4	Boiler	1	As Per Schedule -II

6. **Conditions under Hazardous Waste (M, H & T M) Rules, 2008 for treatment and disposal of hazardous waste:**

Sr. No.	HW category	Type Of Waste	Quantity	Treatment	Disposal
1	34.3	ETP sludge	Kg/M	--	CHWTSDF
2	36.2	Ash from incineration of hazardous waste	30	--	CHWTSDF

7. **Non-Hazardous Solid Wastes:**

Sr. No.	Type Of Waste	Quantity	UOM	Treatment	Disposal
1	Wet garbage	As actual	Kg/Day	OWC	Manure
2	Dry garbage	500	Kg/Day	--	Sale for recycle or hand over to local body

8. **This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.**
9. **This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.**
10. **Applicant shall comply and strictly abide with the conditions stipulated in BMW (M&H) Rules, 1998 as amended.**
11. **Applicant shall dispose of incineration ash and ETP sludge at CHWTSDF.**
12. **This consent is issued subject to conditions mentioned below,**

i) The "authorized Person" Director Administrator of **M/s. Krishna Charitable Trust** shall comply with the provisions of the Environment (Protection) Act, 1986, and the Rules made there under.

ii) Any unauthorized change in equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of this authorization.

iii) 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 along with 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, Pune** for verification purpose.

For and on behalf of the
Maharashtra Pollution Control Board

(P.K. Mirashe)
Member Secretary

Received Consent fee of –

Sr. No.	Amount(Rs.)	DD. No.	Date	Drawn On	Remarks
1	2,06,250/-	058099	26.06.2015	Shamrao Vithal Co.op. Bank Ltd.	--
1	4,88,300/-	058295	07.07.2015	Shamrao Vithal Co.op. Bank Ltd.	--
1	75,000/-	058446	29.07.2015	Shamrao Vithal Co.op. Bank Ltd.	--
1	45,000/-	058184	27.06.2015	Shamrao Vithal Co.op. Bank Ltd.	--
5	93,750/-	020513	04.05.2013	Shamrao Vithal Co.op. Bank Ltd.	This amount was balance with the Board as noted in previous consent dtd. 02.03.2015 is being considered now. Overall consent and authorization fees required for grant of CCA is Rs. 8,00,280/-. Thus now fees balance with the Board is 1,08,020/-.

Copy to:

1. Regional Officer – MPCB, Pune and Sub -Regional Officer-MPCB, Satara, 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] As per your consent application, you have provided the sewage treatment system (STPs) for treatment of sewage effluent with the design capacity of 500 CMD based on MBBR technology.

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	BOD (3 days 27°C)	10
02	Suspended Solids	10
03	COD	50
04	Residual Chlorine	1ppm

C] The treated effluent shall be 60% recycled for secondary purposes such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be utilized on land for gardening. In no case, effluent shall find its way to any water body directly/indirectly at any time. Project proponent shall provide flow meter to ensure 60% recycling of treated sewage and shall maintain the record with data logging system. Project Proponent shall achieve the treated domestic effluent standard for the parameter BOD- 10 mg/lit. and shall install online monitoring system within 4 months time period

2) A] As per your application, you have provided Effluent Treatment Plants (ETPs) with the design capacity of 100 CMD.

B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade 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 5.5 to 9.0
02	BOD (3 days 27°C)	30
03	Suspended Solids	100
04	COD	250
05	Oil & grease	10
06	Bio-assay test	90% survival of fish after 96 hours in 100% effluent.

C] The treated trade effluent shall be recycled maximum for secondary purpose such as flushing, air conditioning and irrigation purposes and remaining shall be utilized on land for gardening. In no case, effluent shall find its way to any water body directly/indirectly at any time..

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 or an 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 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.

6) 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.,	1
2.	Domestic purpose	520
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	50
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00

Schedule-II

A) 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	UOM	S%	SO2 Kg/day
1	Incinerator-35 Kg/hr	Ventury scrubber	30	HSD	30	Ltr/day	1	0.6
2	DG Set (1 x 125 KVA)	Acoustic Chamber	2.2*	HSD	30	Ltr/day	1	--
3	DG Set (2 x 250 KVA)	Acoustic Chamber	3.2* each	HSD	38	Ltr/day	1	--
4	Boiler	--	12	HSD	25	Ltr/day	1	0.5

*** above roof of the 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).

Schedule-III

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

1. The "authorized Person" Administrator of **M/s Krishna Charitable Trust, Krishna Hospital & Medical Research Centre, Dhebewadi road, Malkapur, Tal. Karad, Dist. Satara** shall comply with the provisions of the Environment (Protection) Act, 1986, and the Rules made there under.

2. **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	Description	Quantity not to exceed (Kg/M)	Segregation Colour coding	Treatment & Disposal
1	Cat -1	Human Anatomical waste	156	Yellow	Incineration
2	Cat-3	Microbiology & Biotechnology Waste	130	Yellow	Incineration
3	Cat-4	Waste Sharps	799	Blue / white translucent	Disinfection (chemical treatment)and mutilation / shredding
4	Cat-5	Discarded Medicines and Cytotoxic drugs	3	Yellow	Incineration
5	Cat-6	Soiled Waste	3907	Yellow	Incineration
6	Cat-7	Solid Waste	1259	Red.	Disinfection (chemical treatment) autoclaving / and mutilation / shredding
7	Cat-9	Incineration waste	72	--	CHWTSDF
	In house treatment as above.				

3. (i) BMW shall not be mixed with other wastes or reused or sold in any form.

(ii) BMW shall be segregated into containers / bags at the point of generation in accordance with Schedule-II prior to storage, treatment and disposal. The containers shall be labeled according to Schedule III of BMW Rules 1998.

(iii) If a container containing BMW is to be transported from the premises where BMW is generated to any waste treatment facility outside the premises, the container shall, apart from the Label prescribed in Schedule III, also carry information prescribed in Schedule IV and shall be transported by authorized Transporter only.

(iv) Notwithstanding anything contained in the Motor Vehicles Act, 1988 or Rules there under, BMW shall be transported only in such vehicle as may be authorized for the purpose by the competent authority as specified by the Government.

(v) No untreated BMW shall be kept stored beyond a period of 48 hours.

(vi) Necessary protective gear for the waste handlers shall be provided by the hospital Authority.

(vii) 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.

(viii) Authorized person shall obtain prior permission from MPCB for generation & disposal, if Bio-Medical waste quantity of category specified exceed the limits authorized at condition No. 4. Above

4 (i) You shall submit an Annual Report to the prescribed authority in Form-II by 31st January 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 III 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.

8. STANDARDS FOR TREATMENT AND DISPOSAL OF BIO-MEDICALWASTES

1. STANDARDS FOR INCINERATION.-

All incinerators shall meet the following operating and emission standards

A. Operating Standards

1). Combustion efficiency (CE) shall be at least 99.00%.

2). The Combustion efficiency is computed as follows:

$$C.E. = \frac{\%CO2}{\%CO2 + \%CO} \times 100$$

3) The temperature of the primary chamber shall be a minimum of 800 ^{0}C and the secondary chamber shall be minimum of 1050^{0}C + or - 50^{0}C.

4) The secondary chamber gas residence time shall be at least two seconds.

B. Emission Standards

Sl. No.	Parameter	Standards	
(1)	(2)	(3)	(4)
		Limiting concentration in mg Nm3 unless stated	**Sampling Duration in minutes, unless stated**
1.	Particulate matter	50	30 or 1NM3 of sample volume, whichever is more
2.	Nitrogen Oxides NO and NO2 expressed asNO2	400	30 for online sampling or grab sample
3.	HCl	50	30 or 1NM3 of sample volume,

			whichever is more
4.	Total Dioxins and Furans	0.1ngTEQ/Nm3 (at 11% O2)	8 hours or 5NM3 of sample volume, whichever is more
5.	Hg and its compounds	0.05	2 hours or 1NM3 of sample volume, whichever is more

C. Stack Height: Minimum stack height shall be 30 meters above the ground and shall be attached with the necessary monitoring facilities as per requirement of monitoring of 'general parameters' as notified under the Environment (Protection) Act, 1986 and in accordance with the Central Pollution Control Board Guidelines of Emission Regulation Part-III.

Note:

(a) The existing incinerators shall comply with the above within a period of two years from the date of the notification.

(b) The existing incinerators shall comply with the standards for Dioxins and Furans of 0.1ngTEQ/Nm3 , as given below within two years from the date of commencement of these rules.

(c) All upcoming common bio-medical waste treatment facilities having incineration facility or captive incinerator shall comply with standards for Dioxins and Furans.

(d) The existing secondary combustion chambers of the incinerator and the pollution control devices shall be suitably retrofitted, if necessary, to achieve the emission limits.

(e) Wastes to be incinerated shall not be chemically treated with any chlorinated disinfectants.

(f) Ash from incineration of biomedical waste shall be disposed of at common hazardous waste treatment and disposal facility. However, it may be disposed of in municipal landfill, if the toxic metals in incineration ash are within the regulatory quantities as defined under the Hazardous Waste (Management and Handling and Transboundary Movement) Rules, 2008 as amended from time to time.

(g) Only low Sulphur fuel like Light Diesel Oil or Low Sulphur Heavy Stock or Diesel, Compressed Natural Gas, Liquefied Natural Gas or Liquefied Petroleum Gas shall be used as fuel in the incinerator.

(h) The occupier or operator of a common bio-medical waste treatment facility shall monitor the stack gaseous emissions (under optimum capacity of the incinerator) once in three months through a laboratory approved under the Environment (Protection) Act, 1986 and record of such analysis results shall be maintained and submitted to the prescribed authority. In case of dioxins and furans, monitoring should be done once in a year.

(i) The occupier or operator of the common bio-medical waste treatment facility shall install continuous emission monitoring system for the parameters as stipulated by State Pollution Control Board or Pollution Control Committees in authorization and transmit the data real time to the servers at State Pollution Control Board or Pollution Control Committees and Central Pollution Control Board.

(j) All monitored values shall be corrected to 11% Oxygen on dry basis.

(k) Incinerators (combustion chambers) shall be operated with such temperature, retention time and turbulence, as to achieve Total Organic Carbon content in the slag and bottom ashes less than 3% or their loss on ignition shall be less than 5% of the dry weight.

(l) The occupier or operator of a common bio-medical waste incinerator shall use combustion gas analyzer to measure CO2, CO and O2.

2. STANDARDS FOR AUTOCLAVING OF BIO-MEDICAL WASTE. –

The autoclave should be dedicated for the purposes of disinfecting and treating bio-medical waste.

(1) When operating a gravity flow autoclave, medical waste shall be subjected to:

(i) a temperature of not less than 121° C and pressure of 15 pounds per square inch (psi) for an autoclave residence time of not less than 60 minutes; or

(ii) a temperature of not less than 135° C and a pressure of 31 psi for an autoclave residence time of not less than 45 minutes; or

(iii) a temperature of not less than 149° C and a pressure of 52 psi for an autoclave residence time of not less than 30 minutes.

(2) When operating a vacuum autoclave, medical waste shall be subjected to a minimum of three pre-vacuum pulse to purge the autoclave of all air. The air removed during the pre-vacuum, cycle should be decontaminated by means of HEPA and activated carbon filtration, steam treatment, or any other method to prevent release of pathogen. The waste shall be subjected to the following:

(i) a temperature of not less than 121°C and pressure of 15 psi per an autoclave residence time of not less than 45 minutes; or

(ii) a temperature of not less than 135°C and a pressure of 31 psi for an autoclave residence time of not less than 30 minutes;

(3) Medical waste shall not be considered as properly treated unless the time, temperature and pressure indicators indicate that the required time, temperature and pressure were reached during the autoclave process. If for any reasons, time temperature or pressure indicator indicates that the required temperature, pressure or residence time was not reached, the entire load of medical waste must be autoclaved again until the proper temperature, pressure and residence time were achieved.

(4) **Recording of operational parameters**: Each autoclave shall have graphic or computer recording devices which will automatically and continuously monitor and record dates, time of day, load identification number and operating parameters throughout the entire length of the autoclave cycle.

(5) **Validation test for autoclave:** The validation test shall use four biological indicator strips, one shall be used as a control and left at room temperature, and three shall be placed in the approximate center of three containers with the waste. Personal protective equipment (gloves, face mask and coveralls) shall be used when opening containers for the purpose of placing the biological indicators. At least one of the containers with a biological indicator should be placed in the most difficult location for steam to penetrate, generally the bottom center of the waste pile. The occupier or operator shall conduct this test three consecutive times to define the minimum operating conditions. The temperature, pressure and residence time at which all biological indicator vials or strips for three consecutive tests show complete inactivation of the spores shall define the minimum operating conditions for the autoclave. After determining the minimum temperature, pressure and residence time, the occupier or operator of a common biomedical waste treatment facility shall conduct this test once in three months and records in this regard shall be maintained.

(6) **Routine Test:** A chemical indicator strip or tape that changes colour when a certain temperature is reached can be used to verify that a specific temperature has been achieved. It may be necessary to use more than one strip over the waste package at different locations to ensure that the inner content of the package has been adequately autoclaved. The occupier or operator of a common bio medical waste treatment facility shall conduct this test during autoclaving of each batch and records in this regard shall be maintained.

(7) **Spore testing:** The autoclave should completely and consistently kill the approved biological indicator at the maximum design capacity of each autoclave unit. Biological indicator for autoclave shall be Geobacillusstearothermophilus spores using vials or spore Strips; with at least 1X106 spores. Under no circumstances will an autoclave have minimum operating parameters less than a residence time of 30 minutes, a temperature less than 121o C or a pressure less than 15 psi. The occupier or operator of a common bio medical waste treatment and disposal facility shall conduct this test at least once in every week and records in this regard shall be maintained.

3. STANDARDS OF MICROWAVING. –

(1) Microwave treatment shall not be used for cytotoxic, hazardous or radioactive wastes, contaminated animal carcasses, body parts and large metal items.

(2) The microwave system shall comply with the efficacy test or routine tests and a performance guarantee may be provided by the supplier before operation of the limit.

(3) The microwave should completely and consistently kill the bacteria and other pathogenic organisms that are ensured by approved biological indicator at the maximum design capacity of each microwave unit. Biological indicators for microwave shall be Bacillus atrophaeusspores using vials or spore strips with at least 1 x 104 spores per detachable strip. The biological indicator shall be placed with waste and exposed to same conditions as the waste during a normal treatment cycle.

4. STANDARDS FOR EFFICACY OF CHEMICAL DISINFECTION

Microbial inactivation efficacy is equated to "Log10 kill" which is defined as the difference between the logarithms of number of test microorganisms before and after chemical treatment. Chemical disinfection methods shall demonstrate a 4 Log10 reduction or greater for Bacillus Subtilis (ATCC 19659) in chemical treatment systems.

5. STANDARDS FOR LIQUID WASTE. –

(1) The effluent generated or treated from the premises of occupier or operator of a common bio medical waste treatment and disposal facility, before discharge into the sewer should conform to the following limits

PARAMETERS	PERMISSIBLE LIMITS
pH	6.5-9.0
Suspended solids	100 mg/l
Oil and grease	10 mg/l
BOD	30 mg/l
COD	250 mg/l
Bio-assay test	90% survival of fish after 96 hours in 100% effluent.

(2) Sludge from Effluent Treatment Plant shall be given to common bio-medical waste treatment facility for incineration or to hazardous waste treatment, storage and disposal facility for disposal.

Schedule-IV : Bank Guarantees

Statement of conditions to be complied and Bank Guarantee imposed to ensure timely compliance to be observed by **M/s. Krishna Charitable Trust, Krishna Hospital & Medical Research Centre, Dhebewadi road, Malkapur, Tal. Karad, Dist. Satara**

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	1,00,000/-
2	Operation and Maintenance of STP/ETP/BMW Treatment facility to achieve prescribed discharge standards	Continuous	1,00,000/-
I (B)	**Records**		
1	To Maintain records of BMW and submission of Annual Report in Form –II before 31st January	Continuous	25,000/-
2	To maintain records of BMW material delivered for treatment	Continuous	25,000/-
II	**Performance**		
1	To provide Separate BMW storage facility As per guidelines of CPCB.	Continuous	75,000/-
		Total	3,25,000/-
			Rupees Three Lakh twenty thousand only

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**

(iii) **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 CCA at least 60 days before the date of the expiry of the CCA.**
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 sitting 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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