

MAHARASHTRA POLLUTION CONTROL BOARD

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RED/L.S.I
No:- Format1.0/CAC/UAN No.MPCB-
CONSENT-0000134596/CR/2212001914

Date: 26/12/2022

To,
ALL INDIA INSTITUTE OF MEDICAL SCIENCES,
Plot No.2, Sector 20, MIHAN Nagpur, Dahegoan,
Tal. - Nagpur (Rural), Dist. - Nagpur.



Your Service is Our Duty

Sub: Renewal of Combined Consent with BMW authorization for 960 Beds hospital, under RED category.

- Ref:**
1. Combine Consent to Establish / Operate and BMW Authorization granted by the Board dated 18.05.2021 valid up to 31.03.2022.
 2. Your application for Combine Consent and Bio-Medical Authorization dated 29.03.2022.
 3. The minutes of 4th Consent Appraisal Committee meeting dated 24.06.2022.

Combined Consent to Renewal and BMW Authorization.

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

1. **The Combined Consent to Renewal and BMW authorization is granted upto: 31.03.2024**
2. **The capital investment of the project is Rs.782.9694 Crs. (As per C.A Certificate submitted by industry Existing CI was of Rs. 704.23 Crs + Expansion/Increase in C.I. by Rs. 78.7394 Crs).**
3. **The Consent is valid for the Activity of**

Sr No	Activity	Quantity	UOM
1)	Hospital		
a)	Beds	960	Nos
b)	Total Plot Area	607028.00	Sq.Mtrs
c)	Total Built up Area	261297.00	Sq.Mtrs

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

Sr No	Description	Permitted (in CMD)	Standards to Achieve	Disposal
1.	Trade effluent	90	As per Schedule -I	Treated effluent recycle / Reuse for secondary purpose.
2.	Domestic effluent	1057	As per Schedule - I	Treated effluent max. recycle and remaining used on land for gardening.

5. **Conditions under the 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 (LT) -1010 KVA X 3 Nos	3	As per Schedule -II
2	D.G. Set (HT)-2250 KVA X 4 Nos	4	As per Schedule -II

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

Sr No	Type of Waste	HW Category.	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	5.1	2	KL/A	Recycle	Sale to authorized Recycler

7. **Conditions about Non Hazardous Wastes:**

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Canteen Waste	300	Kg/Day	OWC followed by composting facility	Used as a manure
2	Municipal Solid Waste	300	Kg/Day	Segregation	Sent to MADC, MIHAN for further treatment & disposal

8. **Treatment and Disposal of Biomedical Waste generated to CBMWTSDF:**

Sr.No	Category	Type of Waste	Quantity not to exceed (Kg/M)	Segregation Color coding	Treatment & Disposal
1	Yellow	a) Human Anatomical waste	500.00	Yellow colored non-chlorinated plastic bags or containers	CBMWTSDF
		b) Animal Anatomical Waste	100.00		
		c) Soiled Waste	26000.00		
		d) Expired or Discarded Medicines	200.00		
		e) Chemical Waste	100.00		
		f) Chemical Liquid Waste	500.00		
		g) Discarded linen, mattresses, beddings contaminated with blood or body fluid.	100.00		
		h) Microbiology Biotechnology and other clinical laboratory waste	9000.00		
2	Red	Contaminated waste (Recyclable)	43500.00	Red colored non-chlorinated plastic bags or containers	CBMWTSDF

Sr.No	Category	Type of Waste	Quantity not to exceed (Kg/M)	Segregation Color coding	Treatment & Disposal
3	White (Translucent)	Waste sharps including Metals	400.00	Puncture proof, Leak proof, tamper proof container	CBMWTSDf
4	Blue	a) Glassware	11000.00	Puncture proof & leak proof boxes or containers with blue colored marking.	CBMWTSDf
		b) Metallic body implants	3500.00		

9. PP shall comply the following guidelines published by the CPCB on February-2019 regarding handling of BMW for utilization

1. HCE shall preferably handover Bio-medical wastes such as pleural fluid, ascetic fluid, HBsAG positive blood, placenta etc. to the Pharmaceutical industry / Biotechnology firms for production of drugs, reagent chemicals, markers etc. if any such as Pharmaceutical industry / Biotechnology firm approaches them for the same. If there are any difficulties in the matter, the same may be communicated to such firm and copied to the board also.
2. HCE shall strictly follow the procedure for packaging & transportation of Bio-medical Wastes such as pleural fluid, ascetic fluid, HBsAG positive blood, placenta etc. to the Pharmaceutical industry / Biotechnology firms as per the guidelines of CPCB published in Feb-2019 for "Handling of BMW for utilization".
3. HCEs shall submit the report to the Board office about type, quantity and frequency of handling over such BMW on yearly basis.
4. Industry to enter into legal agreement with HCE's and inform the MPC Board and competent authority of State Public Health Department about such collection of BMW along with quantity and type of waste collected.
5. In case of any technical difficulty towards handing over the required BMW, you shall inform to the Board accordingly.
6. HCEs shall properly dispose and handover the waste to authorised user / facilities having valid consent to operate from MPCB.

10. This consent is issued subject to conditions mentioned below:

- a. The "authorized Person" shall comply with provisions of the Environment (Protection) Act, 1986, and the Rules made there under.
- b. Any unauthorized change in equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of this Authorization.
- c. 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.
- d. 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"?.

- e. You shall ensure phase out of chlorinated plastic bags, gloves and blood bags by HCEs within two years.
 - f. You shall establish Bar code system within one year.
 - g. You shall ensure that the liquid waste is treated and disposed by all the occupier or operator of a CBWTF in accordance with the Water Act, 1974;
 - h. You shall maintain day to day basis and display the monthly record Including Annual report on its website within two years from the date of Notification.
 - i. You shall submit separate Bank Guarantees towards compliance of condition mentioned at Annexure - IV to Regional Office, within 30 days.
 - j. You shall submit compliance of Bank Guarantee conditions every six months to Regional Officer, for verification purpose.
 - k. You shall submit application for renewal of Combined Consent and Biomedical Waste authorization before 120 days along with appropriate fees.
11. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.
 12. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.
 13. PP shall provide treatment and disposal system for sewage and effluent generated from COVID Center.
 14. PP shall comply with CPCB Guidelines for Handling, Treatment and Disposal of Waste Generated during treatment / Diagnosis / Quarantine of COVID-19 Patients.
 15. This Renewal of Combined Consent & BMW Authorization is issued as per the decision of 4th CAC meeting dated 24.06.2022.
 16. Health Care Establishment shall submit/extend Bank Guarantee as per BG regime for Health Care Establishment.
 17. Health Care Establishment shall provide full-fledge ETP for treatment of trade effluent.
 18. PP shall provide pretreatment for yellow category waste.

This consent is issued as per communication letter dated 03/11/2022 which is approved by competent authority of the board.

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	3131878.00	MPCB-DR-11179	29/03/2022	RTGS
2	157478.00	MPCB-DR-15812	15/12/2022	NEFT

Copy to:

1. Regional Officer, MPCB, Nagpur and Sub-Regional Officer, MPCB, Nagpur II
- They are directed to ensure the compliance of the consent conditions.
2. Cheif Accounts Officer, MPCB,Sion, Mumbai
3. CAC-CC desk - for record & website updating.



SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. A] As per your application, you have provided Effluent Treatment Plant (ETP) of designed capacity of 100.00 CMD consisting of Primary (Collection tank, Neutralization tank, Equalization tank, Primary Clarifier/Primary Settling Tank), Tertiary (Dual media filter) .
- 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
	I. Compulsory Parameters	Limiting Concentration in mg/l, except for pH
(1)	pH	5.5 to 8.5
(2)	Oil & Grease	10 mg/l
(3)	BOD (3 days 27°C)	30 mg/l
(4)	Total Suspended Solids	100
(5)	COD	250 mg/l

- C] The treated effluent shall be 60% recycled and reuse for secondary purposes & remaining on land for gardening after confirming above standards. In no case, effluent shall find its way outside hospital premises.
2. A] As per your application, you have provided Sewage Treatment Plant of designed capacity 1200 CMD with MBBR technology for the treatment of 1057 CMD of sewage.
- B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

1	BOD	Not to exceed	30 mg/l
2	COD	Not to exceed	100 mg/l
3	Suspended Solids	Not to exceed	50 mg/l

- C] The treated sewage shall be 60% recycled for secondary purposes and remaining shall be discharged on land for gardening within premise after confirming above standards. In no case, sewage shall find its way outside hospital premises.
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 there of & 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 comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	118.00
2.	Domestic purpose	1510.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	110.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	372

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

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

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

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S%	SO₂
S-1	D.G. Set-(LT)-1010 KVA	Acoustic encloser and stack	30	HSD	148 Kg/Hr	1.00	71.04
S-2	D.G. Set-(LT)-1010 KVA	Acoustic encloser and stack	30	HSD	148 Kg/Hr	1.00	71.04
S-3	D.G. Set-(LT)-1010 KVA	Acoustic encloser and stack	30	HSD	148 Kg/Hr	1.00	71.04
S-4	D.G. Set-(HT)-2250 KVA	Acoustic encloser and stack	30	HSD	296 Kg/Hr	1.00	142.08
S-5	D.G. Set-(HT)-2250 KVA	Acoustic encloser and stack	30	HSD	296 Kg/Hr	1.00	142.08
S-6	D.G. Set-(HT)-2250 KVA	Acoustic encloser and stack	30	HSD	296 Kg/Hr	1.00	142.08
S-7	D.G. Set-(HT)-2250 KVA	Acoustic encloser and stack	30	HSD	296 Kg/Hr	1.00	142.08

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S%	SO ₂
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2. The applicant shall provide stack height of mtrs operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Total Particulate matter	Not to exceed	150 mg/Nm ³
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3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).
5. Conditions for D.G. Set
- Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
 - 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.
 - 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.
 - D.G. Set shall be operated only in case of power failure.
 - The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
 - The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.

SCHEDULE-III

Details of Bank Guarantees:

Sr. No.	Consent(C2E/C2O/C2R)	Amt of BG Imposed	Submission Period	Purpose of BG	Compliance Period	Validity Date
NA						

** 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.
Existing BG obtained for above purpose if any may be extended for period of validity as above.

Statement of conditions to be complied and Bank Guarantee imposed to ensure timely compliance to be observed by:

Sr.No	Activity / Condition to be Complied	Compliance Timeline(Months)	Bank Guarantee Amount
1A	Operation and Maintenance		
1	To Segregate and Handle BMW as per Rule	Continuous	25,000
2	Towards Operation and Maintenance of STP/ETP to achieve prescribed discharge standards	Continuous	1,00,000
1B	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 to CBMWTSDF	Continuous	25,000
2	Performance		
1	To provide BMW separate storage facility as per guidelines of CPCB	Continuous	50,000

BG Forfeiture History

Srno.	Consent (C2E/C2O/C2R)	Amount of BG imposed	Submission Period	Purpose of BG	Amount of BG Forfeiture	Reason of BG Forfeiture
NA						

BG Return details

Srno.	Consent (C2E/C2O/C2R)	BG imposed	Purpose of BG	Amount of BG Returned
NA				

SCHEDULE-IV

General Conditions:

1. You shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
2. You should monitor effluent quality, stack emissions, noise and ambient air quality quarterly
3. You shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.

4. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
5. You shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.
6. You shall submit, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992 to Regional Office, , the 30th day of September every year.
7. You shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW (MH&TM) Rules 2008, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
8. You shall comply with the Hazardous Waste (M, H & TM) Rules, 2008 and submit the Annual Returns to RO- 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 HCE.
10. You shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
11. You shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent & authorization condition towards Environment Protection.
12. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
13. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the HCE.
14. You shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
15. You should not cause any nuisance in surrounding area.
16. You shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
17. You shall maintain good housekeeping.

18. You shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement to Regional Office 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.
19. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.
20. You shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. You will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
21. You shall submit Six Monthly statement in respect of obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
22. You shall submit official e-mail address and any change will be duly informed to the MPCB, forthwith.
23. You shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd. 16.11.2009 as amended
24. You shall observe provisions of E-waste (Management and Handling) Rules 2011 and Battery Waste (Management and Handling) Rules 2001, as amended.

This certificate is digitally & electronically signed.

