



Consent Order

M.P. Pollution Control Board
E-5, Arera Colony
Paryavaran Parisar, Bhopal - 16 MP
Tele : 0755-2466191, Fax-0755-2463742

RED-MEDIUM

CCA-Expansion

VALIDITY (A/W): 30/06/2017

CONSENT NO: ***

PCB ID: 18936

To,
The Occupier,
M/s. Chirayu Medical College & Hospital,
Bhainskhedi (Bhopal-Indore Highway), Near Bairagarh,, City : Bairagarh,
Dist : Bhopal, Tal : Hujur, SIDC : Not In SIDC

Subject: Grant of Consent to Operate under section 25 of the Water (Prevention & Control of Pollution) Act, 1974 under section 21 of the Air (Prevention & Control of Pollution) Act, 1981

Ref: Your Consent to Operate Application Receipt No. 187211 Dt. 15/03/2016 and last communication received on Dt.

With reference to your above application for consent to operate has been considered under the aforesaid Acts and existing rules therein. The M. P. Pollution Control Board has agreed to grant consent up to **30/06/2017**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

SUBJECT TO THE FOLLOWING CONDITIONS :-

- a. Location:** Khasra No. 70/1/1, 70/1/2, 70/2/1 and 70/2/2 Bhainskhedi (Bhopal-Indore Highway), Near Bairagarh,, , Tehsil Hujur, Bhopal Dist. Bhopal (M.P.),
- b. The capital investment :** Rs. 121.00 Crs
- c. Product & Production Capacity:**

| Product | CCA Qty |
|---|------------------------|
| Cancer Research & Diagnostic Centre (6138 Sqmt) | Total - 97895.200 Sqmt |
| Generation of Electricity by D.G. Set (For Captive use only) (2x 500 KVA) | 1000 KVA |
| Hospital & Medical College of 825 Beds (60 Beds expanded capacity) | 885.000 Beds |
| Hospital Room Capacity | 64.000 Room |

Note:- For any change in above industry shall obtain fresh consent from the board.

The Validity of the consent is up to **30/06/2017** and has to be renewed before expiry of consent validity. Online application through XGN with annual license fees in this regard shall be submitted to this office 6 months before expiry of the consent/Authorization. Board reserves the right to amend/cancel / revoke the above condition in part or whole as and when required.

Enclosures:-

- * Conditions under Water Act
- * Conditions under Air Act
- * General conditions

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ACHYUT ANAND MISHRA
Member Secretary
e-Signed On 06/04/2016 08:38:02
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TPAV # 74Q6KK328I

Consent No:AW-45559, Validity:30/06/2017, Outward No:33439,06/04/2016, TPAV # 74Q6KK328I

**CONDITIONS PERTAINING TO WATER (PREVENTION & CONTROL OF POLLUTION) ACT 1974 :-**

1. The daily quantity of trade effluent at out fall of the unit shall not exceed 375.000 KL/day, and the daily quantity of sewage at out fall of the unit shall not exceed 427.000 KL/day

2. Trade Effluent Treatment:-

The applicant shall provide comprehensive effluent treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

| | | | | | |
|------------------------------|------------|-----------|-----------|------------|------------|
| pH | Between | 5.5 – 9.0 | TDS | Not exceed | 2100 mg/l. |
| Suspended Solids | Not exceed | 100 mg/l. | Chlorides | Not exceed | 1000 mg/l. |
| BOD 3 Days 27 ⁰ C | Not exceed | 30 mg/l. | | | |
| COD | Not exceed | 250 mg/l. | | | |
| Oil and grease | Not exceed | 10 mg/l. | | | |

For other parameters general standards of discharge as notified under EP Act 1986 shall be applicable.

3. Sewage Treatment :- The applicant shall provide comprehensive sewage treatment system as per the proposal submitted to the Board and maintain the same properly to achieve following standards-

| | | |
|------------------------------|------------|-----------|
| pH | Between | 5.5 – 9.0 |
| Suspended Solids | Not exceed | 100 mg/l. |
| BOD 3 Days 27 ⁰ C | Not exceed | 30 mg/l. |
| COD | Not exceed | 250 mg/l. |
| Oil and grease | Not exceed | 10 mg/l. |

| Sr | Water Code (Qty in klpd - Kilo Ltr per Day) | WC : 888.000 | WWG : 802.000 | Water Source | Remark |
|----|---|--------------|---------------|--------------|--------|
| 1 | Domestic Purpose | 365.000 | 210.000 | Borewell | |
| 2 | Others | 160.000 | 150.400 | Borewell | |
| 3 | Plantation / Horticulture | 224.000 | 0.000 | Borewell | |

4. The effluent shall be treated up to prescribed Standards and reuse in the process, for cooling and for green belt devolvement/gardening within premises. Hence zero discharge condition shall be practiced. In no case treated effluent shall be discharged outside of industry/unit premises.

5. Water meter preferably electromagnetic/ultrasonic type with digital flow recording facilities shall be installed separately for category wise consumption of water as per Water (Prevention and Control of Pollution) Cess Act 1977 for Industrial cooling/boiler feed, mine spray, process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.

6. Any change in production capacity, process, raw martial used etc. and for any enhancement of the above prior permission of the Board shall be obtained. All authorized discharges shall be consistent with terms and conditions of this consent. Facility expansions, production increases or process modifications which result new or increased discharges of pollutants must be reported by submission of a fresh consent application for prior permission of the Board

7. All treatment/control facilities/systems installed or used by the applicant shall be regularly maintained in good working order and operate effectively/efficiently to achieve compliance of the terms and conditions of this consent

8. The specific effluent limitations and pollution control systems applicable to the discharge permitted herein are set forth as above conditions.

9. Compilation of Monitoring-

- Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge.
- Following promulgation of guidelines establishing test procedures for the analysis of pollutants, all sampling and analytical methods used to meet the monitoring requirements specified above shall conform to such guidelines unless otherwise specified sampling and analytical methods shall conform to the latest edition of the Indian Standard specifications and where it is not specified the guidelines as per standard methods for the examination of Water and Waste latest edition of the American Public Health Association, New York U.S.A. shall be used.



iii. The applicant shall take samples and measurement to meet the monthly requirements specified above and report online through XGN the same to the Board.

10. Recording of Monitoring-

i. The applicant shall make and maintain online records of all information resulting from monitoring activities by this Consent.

ii. The applicant shall record for each measurement of samples taken pursuant to the requirements of this Consent as follows:

- (i) The date, exact place and time of sampling
- (ii) The dates on which analysis were performed
- (iii) Who performed the analysis?
- (iv) The analytical techniques or methods used and
- (v) The result of all required analysis

iii. If the applicant monitors any Pollutant more frequently as is by this Consent he shall include the results of such monitoring in the calculation and reporting of values required in the discharge monitoring reports which may be prescribed by the Board. Such increased frequency shall be indicated on the Discharge Monitoring Report Form.

iv. The applicant shall retain for a minimum of 3 years all records of monitoring activities including all records of Calibration and maintenance of instrumentation and original strip chart regarding continuous monitoring instrumentation. The period of retention shall be extended during the course of any unresolved litigation regarding the discharge of pollutants by the applicant or when requested by Central or State Board or the court.

11. Reporting of Monitoring Results:-

Monitoring Information required by this Consent shall be summarized and reported by submitting a Discharge Monitoring report on line to the Board.

12. Limitation of discharge of oil Hazardous Substance in harmful quantities:-

The applicant shall not discharge oil or other hazardous substances in quantities defined as harmful in relevant regulations into natural water course. Nothing in this Consent shall be deemed to preclude the institution of any legal action nor relieve the applicant from any responsibilities, liabilities, or penalties to which the applicant is or may be subject to clauses.

13. Limitation of visible floating solids and foam:

During the period beginning date of issuance the applicant shall not discharge floating solids or visible foam.

14. Disposal of Collected Solid-

All hazardous waste/sludge shall be disposed of as per the Authorization issued under HW Rules 2008. And/other Solids Sludges, dirt, silt or other pollutant separated from or resulting from treatment shall be disposed of in such a manner as to prevent any pollutant from such materials from entering any such water Any live fish, Shall fish or other animal collected or trapped as a result of intake water screening or treatment may be returned to eaters body habitat.

15. Provision for Electric Power Failure-

The applicant shall assure to the consent issuing authority that the applicant has installed or provided for an alternative electric power source sufficient to operate all facilities utilized by the applicant to maintain compliance with the terms and conditions of the Consent.

16. Prohibition of By pass system-

The diversion or by-pass of any discharge from facilities utilized by the applicant to maintain compliance with the terms and conditions of this Consent is prohibited except :

- i. where unavoidable to prevent loss of life or severe property damage, or
- ii. Where excessive storm drainage or run off would damage any facilities necessary for compliance with the terms and conditions of this Consent. The applicant shall immediately notify the consent issuing authorities in writing of each such diversion or by-pass in accordance with the procedure specified above for reporting non-compliance.

17. Industry/Institute/mine management shall submit the information online through XGN in reference to compliance of consent conditions.

Additional Water condition:- (if any) :-



CONDITIONS PERTAINING TO AIR (PREVENTION & CONTROL OF POLLUTION) ACT 1981 :-

1. The applicant shall provide comprehensive air pollution control system consisting of control equipments as per the proposal submitted to the Board with reference to generation of emission and same shall be operated & maintained continuously so as to achieve the level of pollutants to the following standards:-

| Name of section | Capacity | Stack height | Control equipment to be installed | P.M, SOX, NOX |
|-----------------|----------|--------------|--|---------------|
| D.G. Sets | 1010 kva | 15 | acoustic enclosure, Green Belt, Muffler, | 150,100,50 |

2. The applicant shall observe the following fuel pattern:

| Name of Fuel | Quantity |
|--------------|------------|
| Diesel | 150 Lit/Hr |

2. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis: The Ambient air quality norms are prescribed in MoEF gazette notification no. GSR/826(E), dated:

16/11/09. Some of the parameters are as follows:

- Particulate Matter (less than 10 micron) - $100 \mu\text{g}/\text{m}^3$ (PM10 $\mu\text{g}/\text{m}^3$ 24 hrs. basis)
- Particulate Matter (less than 2.5 micron) - $60 \mu\text{g}/\text{m}^3$ (PM2.5 $\mu\text{g}/\text{m}^3$ 24 hrs. basis)
- Sulphur Dioxide [SO₂] (24 hrs. Basis) - $80 \mu\text{g}/\text{m}^3$
- Nitrogen Oxides [NO_x] (24 hrs. Basis) - $80 \mu\text{g}/\text{m}^3$
- Carbon Monoxide [CO] (8 hrs. Basis) - $2000 \mu\text{g}/\text{m}^3$

3. The industry shall take adequate measures for control of noise level generated from industrial activities within the premises less than 75 dB(A) during day time and 70 dB(A) during night time.

4. All other fugitive emission sources such as leakages, seepages, spillages etc shall be ensured to be plugged or sealed or made airtight to avoid the public nuisance.

5. All the internal roads shall be made pucca to control the fugitive emissions of particulate matter generated due to transportation and internal movements. Good housekeeping practices shall be adopted to avoid leakages, seepages, spillages etc.

6. Industry shall take effective steps for extensive tree plantation atleast in 03 rows of the local tree species with minimum spacing of 4X4 meter within or around the industry/unit premises for general improvement of environmental conditions and as stated in additional condition

Additional Air condition:- (if any) :-



GENERAL CONDITIONS:

1. The non hazardous solid waste arresting in the industry/unit/unit premises sweeping, etc. be disposed off scientifically so as not to cause any nuisance/pollution. The applicant shall take necessary permission from civic authorities for disposal to dumping site. If required.

Non Hazardous Solid wastes:-

| Type of waste | Quantity | Disposal |
|--|----------|---|
| Scrap/ Plastic packing material wood, card board, gunny bags etc | | Sale to authorized party/As Per CPCB. MoEF Guide lines. |

2. The applicant shall allow the staff of Madhya Pradesh Pollution Control Board and/or their authorized representative, upon the representation of credentials:

- To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- To enter upon the applicant's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this Consent.
- To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- To sample at reasonable times any discharge or pollutants.

3. This consent/authorisation is transferable, in case of change of ownership/management and addresses of new Owner/partner/Directors/proprietor should immediately apply for the same.

4. The issuance of this Consent does not convey any property rights in either real or personal property or any exclusive privileges, nor does it authorise any invasion of personal rights, nor any infringement of Central, State or local laws or regulations.

5. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of HW (M, H & T) Rules 2008 only and does not relate to any other Department/Agencies. License required from other Department/Agencies have to be obtained by the unit separately and have to comply separately as per there Act / Rules.

6. Balance consent/authorisation fee, if any shall be recoverable by the Board even at a later date.

7. The applicant shall submit such information, forms and fees as required by the board not later than 180 day prior to the date of expiration of this consent/authorisation

8. Knowingly making any false statement for obtaining consent or compliance of consent conditions shall result in the imposition of criminal penalties as provided under the section 42(g) of the Water Act or section 38 (g) of the Air Act.

9. After notice and opportunity for the hearing, this consent may be modified, suspended or revoked by the Board in whole or in part during its term for cause including, but not limited to, the following :

- Violation of any terms and conditions of this Consent.
- Obtaining this Consent by misrepresentation of failure to disclose fully all relevant facts.
- A change in any condition that requires temporary or permanent reduction or elimination of the authorized discharge.

10. On violation of any of the above-mentioned conditions the consent granted will automatically be taken as canceled and necessary action will be initiated against the industry.

Additional condition:- (if any) :-

1. The generated MSW shall be segregated at source into biodegradable and non-biodegradable waste and collected in separate bins and final disposal shall be done through Municipal Corporation, Bhopal. Detailed action plan for disposal of MSW shall be prepared and submitted to the Board.

2. Project management shall install effluent treatment plant and sewage treatment plant of adequate capacity as per proposal submitted to the Board before the project is commissioned for operation. Responsibility of operation and maintenance of STP will be carried out by project management. The project management shall also make arrangement for measurement of waste water discharge.



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3. Project management shall ensure that the collection and disposal of bio-medical waste generated from the complex is done as per the agreement made with M/s. Bhopal Incinerators, Bhopal. It shall also ensure that the municipal solid waste generated from the campus is not mixed with biomedical waste.
4. Proper arrangements shall be done for complying the provisions under Battery Rules, 2001 for discarded batteries and Plastic Waste Disposal Rules, 1999 to take care of plastic waste etc.
5. Authorization under Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008 shall also be obtained.

Camera

1. The Hospital Management shall install industrial grade HD IP (Internet Protocol) Pan-Tilt-Zoom (PTZ) Camera with minimum 5X zoom and night vision facility for remote surveillance and constant vigil of effluent discharge points within 03 months period.
2. Industry shall establish suitable connectivity of IP-Camera with Environment Surveillance Centre at the HQ of M.P. Pollution Control Board for monitoring and data transmission purpose within 03 months period

Consent/authorization as required under the Water (Prevention & Control of Pollution) Act, 1974, The Air (Prevention & Control of Pollution) Act, 1981 is granted to your industry subject to fulfillment of all the conditions mentioned above. For renewal purpose you shall have to make an application to this Board through XGN at least Six months before the date of expiry of this consent/authorisation. The applicant without valid consent (for operation) of the Board shall not bring in to use any outlet for the discharge of effluent and gaseous emission.

For and on behalf of
M.P. Pollution Control Board

(Member Secretary)



ACHYUT ANAND MISHRA
Member Secretary
e-Signed On 06/04/2016 08:38:02
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