



MANSAROVAR DENTAL COLLEGE

Mansarovar Campus, Rani Avanti Bai Marg, Village- Hinotia Aalam,
Ward No. 84, Kolar Road, Bhopal (M.P) 462042

Tel: +91-9111777225, 761158888. Website: www.mansarovardentalcollege.com

7.1.4 Relevant Documents like agreement / MOU with Government and other approved agencies



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ETP & STP Agreement and Invoice


**LAL ION EXCHANGE
AND CHEMICALS (P) LTD.**

FACTORY PLOT NO. 10-A, SECTOR-1 INDUSTRIAL AREA,
GOVINDPURA, BHOPAL-462 023 9300814112, 9301239586
Regd. Office S-7, Jaideep Complex, Zone-II, M.P. Nagar, Bhopal
Email : lalionexchange@yahoo.com



To, Mansarovar Dental College Opposite Bimakunj, Kolar Road Bhopal (M.P.)	INVOICE No.	LIECL/17-18/Se-001			
	Date	01.09.2017			
	P.O. No.	By Agreement			
	Date of Order				
	GSTin No.	23AAACL6750D1ZW			
	Party GSTin				
	Pan No.	AAACL6750D			
o.	PARTICULARS	QTY.	Unit	Rate/Unit	Amount (In Lacs)
1.	Supply, Design, Errection & Commission of Water Treatment Plants (WTP)	02	Nos.	400000/-	400000.00
	Bank Name - HDFC	Total Amount			400000.00
	Branch - Ashoka Garden, Bhopal	GST 18%			Inclusive
	Account No. - 50200024672392	Round off			0.00
	IFSC Code - HDFC0009020	Total Amount			400000.00
	A/C Name - Lal Ion Exchange & Chemicals (P) Ltd.				
Rs. Four Lakhs Only					

for **LAL ION EXCHANGE AND CHEMICALS (P) Ltd.**

Lal Ion Exchange and Chemicals (P) Ltd.

Authorized Signatory

Authorized Signatory

Lal ION EXCHANGE AND CHEMICALS (P) LTD.

FACTORY PLOT NO 10-A SECTOR-I INDUSTRIAL AREA,
GOVINDPURA, BHOPAL-462 023 9300814112, 9301239586
Regd Office S-7 Jaideep Complex Zone-II M.P. Nagar Bhopal
Email : lalionexchange@yahoo.com



Date: 28/3/2017

Agreement

This agreement has been made between Lal Ion Exchange And Chemicals (P) Ltd. , Bhopal

& M/S Mansarovar Group of Institutions, Kolar Road, Bhopal, M.P.

For water recycling Plant. Following condition are mutually agreed by both.

Cost of Plant: - Rs. 4 Lacs Inclusive All Taxes.

Advance Payment: - Rs. 2.40 Lacs. (Means 60% Advance)

Balance Payment Details:-

1. 40% After Installation of PLANT.

Delivery : within 45 days.

For Mansarovar Group of Institutions

Bhopal

Party - 1



Authorised Signatory

(our quotations (2 separate for ETP & STP) dated 20/3/17 are part of this agreement regarding technical & other details)

Lal Ion Exchange and Chemicals (P) Ltd. G.C. Harode
9826681939
Authorised Signatory

For Lal Ion Exchange & Chemicals (P) Ltd.

Lal Ion EXCHANGE AND CHEMICALS (P) LTD
Bhopal

Party - 2

Authorised Signatory

Authorised Signatory

**Lal ION EXCHANGE
AND CHEMICALS (P) LTD.**

10A, I - SECTOR, INDUSTRIAL AREA, GOVINDPURA,
BHOPAL - 462023 (M.P.) INDIA PH. No 0755-4002960-64,
AN ISO 9001 : 2008 CERTIFIED COMPANY



20.03.2017

TO,
MANSAROVER COLLEGE
BHOPAL

SUBJECT: - OFFER FOR WASTE WATER TREATMENT PLANT 17 KLD BASED
ON MOVING BED BIO FILM REACTOR (MBBR)
MODLARTECHNOLOGY.

Dear Sir,

We are pleased to introduce ourselves as professionally managed company engaged in the field of WATER & WASTE WATER TREATMENT PLANT. We have our manufacturing unit at 10A, Sector I, Industrial Area Govindpura Bhopal. We are engaged in the field of water treatment since 15 Years & executed many projects successfully.

OUR STRENGTH :-

FABRICATION FACILITIES :-

We have complete setup of fabrication, including testing facilities of equipment in our campus

TOOL ROOM :-

We have well equipped tool room with all required machines i.e Lathes, Horizontal Milling Machine, Vertical Milling Machine, Shapers, drill machines surface grinders, presses etc.

WATER TESTING LAB :-

Our lab has the facilities to test different parameters i.e pH, TDS, Alkanity, BOD, COD Microbiological Load & others.


WATER :-

Water contains mainly three types of impurities as follows.

Suspended impurities :- These are the impurities available in suspension form i.e mud, foreign particles.

Dissolved impurities :- These are various chemicals which are in dissolved form in the water like silica, sodium, chloride etc.

Lal Ion Exchange and Chemicals (P) Ltd.


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Microbiological impurities :- These are different bacteria's & impurities available in the water.

SEWAGE TREATMENT PLANT :- (MBBR TECHNOLOGY)

Sewage is generated from the houses & it contains all the above mentioned impurities i.e suspended, dissolved & microbiological. The system is designed to control various parameters i.e pH, Total Dissolved Solids, Biological oxygen Demand, Chemical oxygen Demand, Total suspended solids & oil / grease etc. The system is designed to treat sewage water in three stages.

Primary Treatment
Secondary Treatment
Tertiary Treatment

TREATMENT STEPS :-

BAR SCREEN CHAMBER :- It is required to remove & stop heavy particle from the sewage water.

OIL & GREASE REMOVAL SYSTEM :- This system removes available grease & oil by density separation method .


EQUILISATION CUM COLLECTION TANK :- The Sewage water will be collected in this tank.

MOVIND BED BIO REACTOR TANK (MBBR – 1) :- This tank contains specified quantity of Bio Media made of light weight plastic to enhance surface area for the growth of Bio culture. The bottom of the system is equipped with fine bubble diffusers to supply air which enhance oxygen quantity in the water & help to grow bio culture speedily.

SECONDARY TUBE SETTLER :- This is conical tank in which PVC tube settler media is filled to control speed of water & to increase surface area which results in better separation of sludge & suspended impurities.

CLEAR/FILTER FEED TANK :- Here dosing of sodium hypo chlorite is done to disinfectant the water.

Lal Ion Exchange and Chemicals (P) Ltd.


Authorised Signatory

ION EXCHANGE AND CHEMICALS (P) LTD.

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PRESSURE SAND FILTER :- This is vertical vessel filled with the required quantity of pebbles, bevels, sand. The bottom plate is fitted with strainers/pipes. There will be Arrangement inside the vessel to distribute water properly on the bed of media. Different operations like service, Back wash, Rinsing etc will be done with the help of

Multiport valve or multivalve arrangement. Inlet & outlet pressure gauges indicate the efficiency of system.

ACTIVATED CARBON UNIT :- This is vertical vessel filled with the required quantity of activated carbon. The bottom plate is fitted with strainers/pipe. There will be arrangement inside the vessel to distribute water properly on the bed of carbon . Different operations like service ,Back wash, Rinsing etc will be done with the help of multiport valve or multivalve arrangement. Inlet & outlet pressure gauges indicate the efficiency of system.

TREATED WATER STORAGE TANK :-

Here finally treated water is collected & the same water is pumped as per requirement i,e for Gardening & Flushing.

SLUDGE DRYING BEDS :-

Here the excess sludge from MBBR TANK, SECONDARY SETTLING TANK, Backwash water of pressure sand filter and Activated Carbon Filter will be transferred. The overflow of SDB will be collected to Equalization cum collection tank to make the whole system as ZERO DISCHARGE Further the available sludge from the sludge Drying Beds will be used as Manure.

PROCESS :-

PRIMARY TREATMENT :-

The sewage water is passed through bar screen followed by Oil Removal System & collected to Equalization cum collection Tank. Fine bubble air diffusers are fitted on the bottom to mix the water properly. It also affect BOD / COD. Auto Dosers to dose certain chemicals like Alum, and caustic are installed here.

SECONDARY TREATMENT :-

The water from equalization tank will be pumped to MBBR Tank where specified quantity of Bio Media is filled to increase surface area & results to develop bio culture. The bottom of this system is equipped with fine air bubble diffusers to enhance oxygen for bio culture. The over flow of MBBR will be transferred to secondary settling tank by gravity .SST is also filled with PVC tube media to provide effective removal of excess sludge & suspended impurities

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TERTIARY TREATMENT :-

Now the overflow of SST will be transferred to CLEAR WATER TANK/FILTER FEED TANK which is equipped with Auto Doser to dose sodium Hypo chlorite .

This disinfected water will be pumped to Multi Grade Sand Filter & Activated carbon Plant for further removal of suspended & microbiological impurities.
Now this water is ready to be used as per requirement.

TECHNICAL DETAILS OF THE PROPOSED STP:

Total flow = 17000 Ltr / Day.
Flow rate = 2500 Ltr./hrs (max)

Domestic Sewage from Housing Colony.		
pH	:	6.5 - 8
S Solids	:	250 - 350 Mg/L
BOD	:	250 - 400 Mg/L
COD	:	Up-to 450 Mg/L
Oil & Grease	:	50 Mg/L

Treated Water Quality		
pH	:	6.5 - 8.5
S Solids	:	Less Than 20 Mg/L
BOD	:	Less Than 30 Mg/L
COD	:	Less Than 110 Mg/L
Oil & Grease	:	Less Than 1 Mg/L

Mono Block Pump		
Location	:	Equalizing Tank
Quantity	:	1 No.
Capacity	:	3 m ³ / hrs
Head	:	12 - 15 mtr
Solid handling cap.	:	Min. 28 mm
Make	:	Kirloskar / Lubi / Eqv.

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Air Blower

Location	:	Near Eq. Tank and MBBR Tank
Quantity	:	1 Nos
Capacity	:	Inside Plant Submersible
Pressure	:	0.5 Kg/cm ²
Make	:	CRI

Filter Feed Pump

Location	:	Near Clear/Filter Feed tank
Type	:	Centrifugal Transfer pump
Capacity	:	3 m ³ /hrs
Head	:	30-35 Mtr
Quantity	:	1 No
Make	:	Kirloskar


Multigrade Pressure Sand Filter & Activated Carbon

Location	:	Near Clear/Filter Feed tank
Quantity	:	1 No
Capacity	:	3 m ³ /hrs
Size of Filter	:	600 mm X 1200 mm High
Make	:	LIECL

BAR SCREEN

Location	:	Near Equilisation Tank
Quantity	:	1 No
Capacity	:	For 10 m ³ /hrs
Size of Filter	:	0.5 mtr X 0.5mtr X 0.5 mtr
Make	:	LIECL

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ANNEXURE - A

MECHANICAL EQUIPMENT FOR ADVANCE MBBR MODULAR TECHNOLOGY

Sr No	Description Of Item	SIZE	Qty.	MOC
1.	Rotary Type air Blower	Submersible	01	Vinayaka/ std
2.	Equalization pump	3 m ³ / hrs 12-15 Head	01	Kirloskar/ taxmo/std
3.	Dosing systems for chemicals	0.5 LPH	01	LMI/std
4.	Pressure feed pump	5 m ³ / hrs 30-35 Head	02	Kirloskar/ taxmo/std
5.	Multi Grade Sand Filter with All attachments	600x 1200mm HOS	01	LIECL MS
6.	Interconnecting pipes & Fitting of all tanks	SUITABLE	01 Lot	ISI PIPES
7.	PVC/UPVC Pipe line drainage of WTP & others	As SUITABLE SIZE	1Lot	Std
8.	Electric wire / Panel	AS REQUIRED & Standard Make Items	01 Lot	Std

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OTHER MECHANICAL ITEMS:-

- | | |
|------------------------------------------|-------|
| 1. Primary settling tank (M.S. FRP) - | 1 No. |
| 2. Aeration Tank (M.S.FRP) - | 1 No |
| 3. Secondary Settling Tank (M.S. FRP) - | 1 No |

Price: - ~~2.75 Lacs (Rs. Two Lacs and Seventy-Five Thousand Only)~~

(RS 2.65 LACS Inclusive all the taxes)

Terms and condition:

Authorised Signatory

Payment: 60% value of the equipments in advance along with the order & 35% against Performa Invoice before dispatched, 5% after completion of work.

SALES TAX: Sales tax or commercial tax will be charged extra as applicable at the time of delivery at present commercial tax will be 15 %.

TRANSPORTATION - Extra as actual

DELIVERY: The delivery will be made within 4 - 8 weeks from the date of receipt of technically cleared and firmed order along with advance payment.

VALIDITY: Our offer will remain valid for a period of 30 days from the date of this quotation and is subject to confirmation thereafter.

GUARANTEE: The equipment offered carries the manufacturers guarantee. This guarantee will be valid for a period of 12 months and will commence from the date of dispatch of the equipment.

EXCLUSION:

1. Civil Plat form to install plant (L15 Ft *W 6 Ft * H 6 Inch)
2. Sludge Bed (Brick work will be done by client) (2000 Cap. In ltr.)
3. Treated Water Tank
4. Septic tank
5. Pipe work for septic tank.

For Lal Ion Exchange & Chemical (p) Ltd.

Lal Ion Exchange and Chemicals (P) Ltd.
R.K. Ravi
M.D.
9300814112
Authorised Signatory

Lal Ion Exchange and Chemicals (P) Ltd.
Authorised Signatory

G.L. Harode
9826681939



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Biomedical Waste Management



INDIA WASTE MANAGEMENT PVT. LTD.

(CIN : U37200MP2015PTC034692)

Regd. office : A-14, Janki Nagar, Chuna Bhati Bhopal(M.P.) 462016

Regd. Plant Add. : Plot No. E-3 New Industrial Area Phase-2 (Ward-14) Mandideep, District-Raisen (M.P.)

Mob.: 9179847866, E-mail : indiawastemanagement@outlook.com

GSTIN : 23AADC19166K1Z9

CERTIFICATE

This is to certify that **India Waste Management Pvt. Ltd.** is running a Common Bio-Medical Waste Treatment Facility (CBWTF). Which is authorized by M.P. Pollution Control Board as "CBWTF".

Further certified that India Waste Management Pvt. Ltd. has entered into an agreement with **Mansarovar Dental College**

Ward No. 84, Rani Awanti Marg, Kolar Road, Bhopal

for Collection, Transport, Storage, Treatment & Final disposal of Bio-Medical Waste of the above institution.

This agreement is valid :

For 250 Chair

From 01 April 2023 to 31 March 2024

This certificate is given, to enable the institution, to apply for Fresh / Renewal of authorisation under Bio-medical Waste Rules 2016.

This Certificate No.

472

Expires on 31 March 2024

Authorized Signatory



INDIA WASTE MANAGEMENT PVT. LTD.

(CIN : U37200MP2015PTC034692)

Regd. office : A-14, Janki Nagar, Chuna Bhati Bhopal (M.P.) 462016

Regd. Plant Add. : Plot No. E-3 New Industrial Area Phase-2 (Ward-14) Mandideep, District-Raisen (M.P.)

CERTIFICATE

This is to certify that **India Waste Management Pvt. Ltd.** is running a Common Bio-Medical Waste Treatment Facility (CBWTF). Which is authorized by M.P. Pollution Control Board as "CBWTF".

Further certified that India Waste Management Pvt. Ltd. has entered into an agreement with **Mansarovar Dental College**

Ward No. 84, Rani Awanti Marg, Kolar Road, Bhopal

for Collection, Transport, Storage, Treatment & Final disposal of Bio-Medical Waste of the above institution.

This agreement is valid :

For 250 Chairs

From 01 April 2024 to 31 December 2024

This certificate is given, to enable the institution, to apply for Fresh / Renewal of authorisation under Bio-medical Waste Rules 2016.

This Certificate No.

617

Expires on 31 December 2024.

Authorized Signatory



MANSAROVAR DENTAL COLLEGE

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E-Waste Management

Certificate of Membership

Date : .03/.05/2022..

This is to certify that M/s *Mansarovar Dental College (Sri Sai Gramathan samiti), Bhoap*
has completed formalities for taking membership of Unique Eco Recycle. We are pleased
to acknowledge your Membership No. *uer/xen/E-waste/C-143/2022.....*

Now you are liable to give e-waste to our company as per schedule plan. Your membership
comes in effect from *.01/05/2022 and exipre.31/04/2025..*

Membership is granted for disposed off e-waste in scientific and eco friendly manner.



For UNIQUE ECO RECYCLE

A handwritten signature in black ink, appearing to read "Pravin", written over a horizontal line.

Authorised Signatory



MANSAROVAR DENTAL COLLEGE

Mansarovar Campus, Rani Avanti Bai Marg, Village- Hinotia Aalam,
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Hazardous chemicals and radioactive waste management



Consent Order

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

Outward No:120379,14/05/2024

RED-MEDIUM

CCA-Renewal A/W Consent valid : 14/03/2029
BMW & Haz. Auth. valid : 14/03/2029

Consent No:AWHB-60237

CONSENT NO: ***

PCB ID:
158849

To,
The Occupier,
M/s. Mansarovar Dental College, Bhopal,
Ward No. 84, Ward No. 84, Rani Awanti Marg, Village - Hinotiya alam, Kolar,
City : Bhopal,
Dist : Bhopal, Tal : Hujur, SIDC : Not In SIDC, Latitude : 23.1521 Longitude : 77.4238

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 and Authorization under Hazardous and other Waste (Management & Transboundary movement) Rules, 2016 & Bio Medical Waste Management Rules, 2016.

Ref: Your Consent to Operate Application Receipt No. 1369321 Dt. 25/04/2024 .

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 **14/03/2029** & authorization under Hazardous and other Waste (Management & Transboundary movement) Rules, 2016 & Bio Medical Waste Management Rules, 2016 are up to **14/03/2029**, subject to the fulfillment of the terms & conditions, enclosed with this letter and-

SUBJECT TO THE FOLLOWING CONDITIONS :-

- a. **Location:** Ward No. 84, Ward No. 84, Rani Awanti Marg, Village - Hinotiya alam, Kolar , Bhopal,
- b. **The capital investment in lakhs:** Rs. 2.21
- c. **Product & Production Capacity:**


ACTIVITY	CAPACITY
DENTAL CHAIR	250 NOs. {TWO HUNDRED FIFTY NOs, DENTAL CHAIRS}
CAPTIVE POWER GENERATION OF DG SETS	125 KVA

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

The Validity of the consent is up to **14/03/2029** 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.

By the order of Chairman, MPPCB

Enclosures:-

 **Under Water Act**
Under Air Act
Under Hazardous, Rules
Conditions under BMW Rules
(Organic Authentication on AADHAR from UIDAI Server)
TPAV # 6655061111

Signature Not Verified
Digitally Signed by : A. A
Mishra, Member Secretary
Date: 14/05/2024 02:02:27 PM

ACHYUT ANAND MISHRA
Member Secretary

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

1. The daily quantity of trade effluent of the unit shall not exceed 1.500 KL/day, and the daily quantity of sewage of the unit shall not exceed 3.500 KL/day

2. Trade Effluent Treatment:-

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

<i>pH</i>	<i>Between</i>	<i>5.5 – 9.0</i>	<i>TDS</i>	<i>Not exceed</i>	<i>2100 mg/l.</i>
<i>Suspended Solids</i>	<i>Not exceed</i>	<i>100 mg/l.</i>	<i>Chlorides</i>	<i>Not exceed</i>	<i>1000 mg/l.</i>
<i>BOD₃ Days 27 °C</i>	<i>Not exceed</i>	<i>30 mg/l.</i>	<i>Bio Assay Test</i>	<i>90% survival of Fish after 96 hrs. in 100 % Effluent</i>	
<i>COD</i>	<i>Not exceed</i>	<i>250 mg/l.</i>			
<i>Oil and grease</i>	<i>Not exceed</i>	<i>10 mg/l.</i>			

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

3. Sewage Treatment :- The applicant shall operate and maintain sewage treatment facility to achieve following standards-

pH	Between	5.5 – 9.0
Suspended Solids	Not exceed	100 mg/l.
BOD 3 Days 27 °C	Not exceed	20 mg/l.
COD	Not exceed	250 mg/l.
Oil and grease	Not exceed	10 mg/l.
fecal coliform	Not exceed	1000 MPN/100 ml

***The Project Proponent shall comply with the standards notified vide G.S.R. 1265(E) under sections 6 and 25 of the Environment (Protection) Act, 1986 by the Ministry of Environment, Forest and Climate Change New Delhi dated 13th October, 2017.**

<i>Sr</i>	<i>Water Code (Qty in klpd - Kilo Ltr per Day)</i>	<i>WC : 7.000</i>	<i>WWG : 5.000</i>	<i>Water Source</i>	<i>Remark</i>
<i>1</i>	<i>Domestic Purpose</i>	<i>5.000</i>	<i>3.500</i>	<i>Tankers</i>	
<i>2</i>	<i>Others</i>	<i>2.000</i>	<i>1.500</i>	<i>Tankers</i>	

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 for Industrial cooling/boiler feed, mine spray, process & domestic purposes and data shall be submitted online through XGN monthly patrak/statements.

6. Any change in production capacity, process, raw material 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 data-

i. Samples and measurements taken to meet the monitoring requirements specified above shall be representative of the volume and nature of monitored discharge. ii. 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.

10. Recording of Monitoring Activities & Results-

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 waste/sludge-

All hazardous waste/sludge shall be disposed of as per the Authorization issued under Hazardous & other waste (M&TM) Rules 2016. 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 of treatment facilities-

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:-

1. . HCF shall maintain ETP/STP running and maintenance logbook

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

1. The applicant shall operate and maintain air pollution control system to achieve the level of pollutants to the following standards:-

<i>Name of section</i>	<i>Capacity</i>	<i>Stack height(mtrs)</i>	<i>Fuel</i>	<i>Control equipment to be installed</i>	<i>P.M, SOX, NOX(mg/NM3)</i>
<i>D.G. Sets</i>	<i>125 KVA</i>	<i>5</i>	<i>DIE</i>	<i>acoustic enclosure,Muffler,</i>	<i>As per MoEF&CC & CPCB Notification</i>

2. 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:

- a. Particulate Matter (less than 10 micron) - 100 µg/m³ (PM10 µg/m³ 24 hrs. basis)
- b. Particulate Matter (less than 2.5 micron) - 60 µg/m³ (PM2.5 µg/m³ 24 hrs. basis)
- c. Sulphur Dioxide [SO₂] (24 hrs. Basis) - 80 µg/m³
- d. Nitrogen Oxides [NO_x] (24 hrs. Basis) - 80 µg/m³
- e. Carbon Monoxide [CO] (8 hrs. Basis) - 2000 µg/m³

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. The industry/unit shall make the necessary arrangements for control of the fugitive emission from any source of emission/section/activities.

5. 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.

6. The industry/ unit shall ensure all necessary arrangements for control of odour nuisance from the industrial activities or process within premises

7. 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.

8. Industry shall take effective steps for extensive tree plantation preferably in 03 rows of the local tree species with minimum spacing of 2X2 meters within or around the industry/unit premises for general improvement of environmental conditions and as stated in below..

(Minimum number of plants to be planted by the unit:-125 Nos.)

CONDITIONS PERTAINING TO THE HAZARDOUS AND OTHER WASTES (MANAGEMENT AND TRANSBOUNDARY MOVEMENT) RULES, 2016:-

FORM-2

[See rule 6 (2)]

FORM FOR GRANT OR RENEWAL OF AUTHORISATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES

1. Number of authorisation and date of issue :

COW-1369321, dt: 25/04/2024

2. Reference of application (No. and date) :

3. COW-1369321, dt: 25/04/2024 of **Mansarovar Dental College, Bhopal** is hereby granted an authorisation based on the enclosed signed inspection report (can be seen in xgn) for generation, collection, reception, storage, transport, reuse, recycling, recovery, pre-processing, co-processing, utilisation, treatment, disposal or any other use of hazardous or other wastes or both on the premises situated at **Ward No. 84, Rani Awanti Marg, Village - Hinotiya alam, Kolar , Bhopal, Hujur, Bhopal,**

4. In case, The Hazardous Waste generation is more than the Authorized Quantity in any of the category of the Hazardous Waste, the Industry is allowed to dispose of the excess quantity of Hazardous Waste as per the authorized mode of disposal. The prior permission is not required in such cases, however the intimation shall be given to the MPPCB.

Details of Authorisation

Category of Hazardous Waste as per the Schedules I, II and III of these rules	Authorised mode of disposal or recycling or utilisation or co-processing, etc.	Quantity (ton/annum)
Used or Spent Oil(5.1)	SAR,RRE	0.100-M.T

(1) The authorisation shall be valid up to **14/03/2029**.

(2) The authorisation is subject to the following general and specific conditions (Please specify any conditions that need to be imposed over and above general conditions, if any):

A. General conditions of authorisation:

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.
3. The person authorised shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorisation.
4. Any unauthorised change in personnel, equipment or working conditions as mentioned in the application by the person authorised shall constitute a breach of his authorisation.
5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their

Consent No:AWHB-60237

possible impacts and also carry out mock drill in this regard at regular interval of time;

6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and Penalty
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility.
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained.
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation.
11. The importer or exporter shall bear the cost of import or export and mitigation of damages if any.
12. An application for the renewal of an authorisation shall be made as laid down under these Rules.
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Change or Central Pollution Control Board from time to time.
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year.
15. The non hazardous solid waste arising in the HCF/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.

B. Specific conditions:

1. The HCF shall display the information on hazardous waste generated on notice board of size 6' x 4' (in Hindi & English) outside the unit main gate along with quantity and nature of hazardous chemicals being handled in the plant, including wastewater, air emission and hazardous wastes.
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Control Board.

Additional Haz condition:-

1. The HCF shall obtain insurance under Public Liability Insurance Act, if applicable and shall submit a copy to the board.
2. Any unauthorized change in production capacity, process, raw materials, personnel, equipments etc. as mentioned in the application by the person authorized shall constitute a breach of this authorisation.
3. The unit shall maintain the records of hazardous waste as per the Form-3 of rule 6(5) and shall online submit the annual return in Form-4 as per rule 6(5) 20(2) to this office on or before 30th June every year and preferably before 30th April.
4. The information regarding quantity of hazardous wastes generated and its analysis report should be sent to the Board online at least annually.
5. Hazardous Waste Storage Site & Danger signboard shall be provided with all safety devices at the storage site.

6. The authorized person shall inform the name and address of the contact person / occupier responsible for hazardous waste management.
7. In case of importing Hazardous Waste, occupier shall apply to the M.P. Pollution Control Board, 180 days in advance in Form-6, for permission to import of the waste as per Rule 13(i) of Hazardous and other Waste (Management and Transboundary Movement) Rule 2016 as amended up to date.
8. In the event of any accident due to handling of hazardous wastes, the authorized person must inform immediately to the Regional Office & Head office of the board on fax/telephone/email- it_mppcb@rediffmail.com about the incident and detail report should be sent in Form No.5 as per Rule-10 of Hazardous and other Waste (Management and Transboundary Movement) Rule 2016 as amended up to date.

FORM-III
(See rule 10)
AUTHORISATION

(Authorisation for operating a Facility For Generation, Collection ,Reception,Treatment, Storage,
Transport and Disposal of Bio-medical wastes)

1. File number of authorization and date of issue-COF-.....,dt:

2. **M/s. Mansarovar Dental College , Bhopal**, an occupier of the Health Care Facility located at **Ward No. 84, Rani Awanti Marg, Village – Hinotiya Aalam, Kola , Bhopal,Tal :Hujur, Dist: Bhopal (M.P.)** is hereby granted an authorization for;

Activity

- Generation,Segregation
- Collection,
- Storage
- Packaging

3. **M/s . Mansarovar Dental Colleg, Bhopal**,is here by authorized for handling of bio-medical waste as per the capacity given below;

(i) Number of **Dental Chairs ; 250 (TWO HUNDRED, FIFTY NOS. of DENTAL CHAIRS)**,

(ii) Quantity of Biomedical waste handled, treated or disposed:-

Type of Waste Category	Quantity permitted for Handling (Kg/Day)
Yellow --	15..00
Red --	6.50
White(Translucent) --	4.50
Blue --	8.50

This BMW authorization shall be in force for a period up to **14/03/2029**.

Terms and conditions of authorization

1. The authorization shall comply with the provisions of the Environment (Protection) Act, 1986 and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the prescribed authority.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the biomedical wastes without obtaining prior permission of the prescribed authority.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
5. It is the duty of the authorized person to take prior permission of the prescribed authority to close down the facility and such other terms and conditions may be stipulated by the prescribed authority.

Additional conditions:-

1. The renewal of authorization shall comply with the provisions of the Environmental (Protection) Act, 1986 and
2. The rules made there under regarding management of BMW.
3. An authorization or its renewal shall be produced for inspection at the request of any officer authorized by the prescribed authority.
4. The person authorized shall not rent, lend, sell, transfer or otherwise transport the Bio-Medical wastes without obtaining prior permission of the prescribed authority.
5. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the persons authorized shall constitute a breach of his authorization.
6. It is duty of authorized person to take prior permission of the prescribed authority to close down the facility.
7. The operator of facility shall submit a fresh application for renewal of authorization with requisite fees
8. Before 90 days of expiry of this authorization with compliance report of authorization conditions mentioned in original authorization letter and its subsequent renewal letters.

Consent No:AWHB-60237

9. The amount of license and renewal fees for the authorization is payable (on-line) along with Form-II at the time of renewal. The Subsequent renewal for further period depends upon the fulfillment of conditions of authorization.
10. An applicant of HCF / Institution shall ensure compliances of various arrangements for proper Bio-Medical Waste Management with immediate effect as specified below :-
- (a) Category wise segregation of Bio-Medical Waste as specified in Schedule-I of the rule.
 - (b) Provision of colour coded bins (for storage of BMW) as specified in Schedule-I.
 - (c) Provisions of Waste sharp destruction treatment/disposal arrangements.
 - (d) Safe transportation arrangement of wastes from various wards to treatment site.
 - (e) Installation of treatment and disposal system of BMW as specified in Schedule-I of Bio-Medical Waste Management Rules, 2016.
11. B.M.W. generation units or Hospital should take all steps to ensure that such waste is handled without any adverse effect to human health and the environment. In case the institution is disposing off the Bio-Medical Waste through a 'common-facility', it will be responsibility of the institution to ensure its disposal as per provisions of BMW Rules.
12. B.M.W. shall be treated and disposed off in accordance with Schedule-I and with the standards prescribed in Schedule-II. For disposing of categorized BMW through deep burial and/or secured landfill, prior approval of the Board shall be obtained for such area of land.
13. B.M.W. shall not be mixed with other waste. B.M.W. shall be segregated into containers, bags at the point of generation in accordance with Schedule-I prior to its storage, transportation, treatment and disposal. The containers shall be labeled accordance to Schedule-IV.
14. If a container is transported from the premises where B.M.W. is generated to any waste treatment facility outside the premises the container shall, apart from the label prescribed in Schedule-IV, also carry information prescribed in Schedule-IV. Transportation of B.M.W. shall also follow the rules made under Motor Vehicles Act, 1988.
15. The authorization person shall ensure that the treated effluent shall conform to the standards prescribed in Schedule-II of rules. The authorized person shall submit waste water monitoring report to the prescribed authority twice in a year. The occupier of the facility shall fully utilize the treated effluent within their premises for plantation purposes.
16. The occupier of facility shall make proper arrangement for safe disposal of sludge from Effluent Treatment Plant (ETP) after due disinfection.
17. No untreated B.M.W. shall be kept stored beyond a period of 48 hours. Provided that, if for any reason it becomes necessary to store the waste beyond such period, an authorized person must take permission of prescribed authority and take measure to ensure that the waste does not adversely affect to the environment.
18. Mercury waste shall not be mixed with BMW, shall be collected, segregated & stored into separate containers and it shall be disposed off in accordance with provisions of the Hazardous and Other Wastes (Management and Tran-boundary Movement) Rules, 2016.
19. Every occupier/operator shall submit an annual report to the prescribed authority in Form – IV by 30st June every year.
20. When any accident occurs at any institution or any other site where Bio-Medical waste is handled or during transportation of such waste, an authorized person shall report the accident information in Form-I to prescribed authority.
21. Every authorized person shall maintain record related to the generation, collection, reception, storage, transportation, treatment, disposal and/or any form of handling of BMW in accordance with these rules. All record shall be subject to inspection and verification by the prescribed authority at any time.
22. The authorized person of facility make above arrangements/improvement in facility as per given time frame failing which prosecution and punishment will be followed as per the provisions of Environmental (Protection) Act, 1986.
23. The prescribed authority may after giving reasonable opportunity of hearing refuse to grant authorization and reserve all the rights to amend/cancel/revoke the condition of this authorization in part or whole as and when deemed necessary.

GENERAL CONDITIONS:

1. The non hazardous solid waste arising 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 begs etc		Sale to authorized party/As Per CPCB. MoEF Guide lines / Others.

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

- a. To inspect raw material stock, manufacturing processes, reactors, premises etc to perform the functions of the Board.
- b. 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.
- c. To have access at reasonable times to any records required to be kept under the terms and conditions of this Consent.
- d. To inspect at reasonable times any monitoring equipment or monitoring method required in this Consent: or,
- e. To sample at reasonable times any discharge or pollutants.

3. This consent / authorisation is transferable in nature, in case of any change in ownership / management, the new owner / partner / directors / proprietor shall immediately apply for the consent with new requisite information.

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. Industry shall install separate electric metering arrangement for running of pollution control devices and this arrangement shall be made in such fashion that any non functioning of pollution control devices shall immediately stop electric supply to the production and shall remain tripped till such time unless the pollution control device/devices are made functional.

6. This consent is granted in respect of Water pollution control Act 1974 or Air Pollution Control act, 1981 or Authorization under the provisions of Hazardous and other Waste (Management & Transboundary movement) Rules 2016 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.

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

8. 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

9. The industry/unit shall establish a separate environmental cell, headed by senior officer of the unit for reporting the environmental compliances. The industry/ Unit shall submit environmental statement for the previous year ending 31st March on or before 30th September every year to the Board.

10. 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.

11. 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 :

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

12. 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.

13. The industry/unit shall also monitor the treated wastewater flow and report the same online through monthly patrak/statements.

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

15. Ambient air quality at the boundary of the industry/unit premises shall be monitored and reported to the Board regularly on quarterly basis

16. The record of electricity consumption for running of pollution control equipment shall be maintained and submitted to the Board every month.

Additional condition:-

- (1) The HCF shall comply with the orders/directions issued by various courts, MoEF&CC,CPCB & MPPCB to remain complied.
- (2) HCF shall comply with the provisions of Biomedical Waste (Management) Rules, 2016 as amended up to date.
- (3) HCF shall apply for authorization under Hazardous & Other Waste Management & Transboundary Movement) Rules, 2016 along with requisite fee.

Advisory Conditions:-

- i. The management shall obtain & maintain valid NOC from Central Ground Water Board for extraction of ground water.
- ii. The management shall install Digital Water meter with digital flow recording facilities for measurement of ground water consumption and provide its connectivity with server of Environment Surveillance Centre, M P Pollution Control Board Bhopal for remote surveillance.
- iii. The management shall provide Rain water harvesting for ground water conservation and recycle treated waste water for plantation and flushing in consultation with expert agency if find suitable).
- iv. Potable drinking water shall be used for drinking purposes only.
- v. Appropriate legal action shall be initiated in case of violation of above mentioned conditions by the competent authority

Consent/authorization as required under the Water (Prevention & Control of Pollution) Act,1974 , The Air (Prevention & Control of Pollution) Act,1981 and the Authorization under Hazardous Waste (Management handling & Transboundary movement) Amended Rule, 2016 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

By the order of Chairman, MPPCB



**ACHYUT ANAND MISHRA
Member Secretary**



**(Organic Authentication on AADHAR from UIDAI Server)
TPAV # 265SO6H1KA**

Consent No:AWHB-60237