

Environmental Internal Audit Report

For MGM's College & Hospital

Environmental audit is undertaken to promote the Environmental Management and Conservation at college and hospital campus.

The purpose of this internal audit is to identify, quantify, describe and prioritize framework of environmental sustainability in compliance with the applicable regulations, policies and standards.

Report Prepared & Submitted by:

Dr. Sukhmeen Kaur, Chairperson, Environment management cell.

Introduction

Introduction

An internal audit was carried out for environmental audit for MGM campus at Aurangabad.

1.1 Energy Management

Audit Observation

Energy source utilized by the campus is electricity and solar energy. The **Annexure-II** show the units consumption from electricity sourced from Maharashtra State Electricity Distribution Co. Ltd. (MSEDCL) and from own solar power grid.

Following energy conservation measures are undertaken by the management;

- Maximizing usage of natural light during the day through passages and corridors;
- Turning off office equipment, fans and air-conditioners during unoccupied hours;
- Replacing regular tubes and bulbs by LEDs.
- Educating people about reasonable and efficient usage of water heaters and other electrical appliances;
- Plugging air leakages in air-conditioned rooms such as office spaces, operation theatre;
- Turning off water pumps when the tanks filled up;
- Cleaning of tube-lights/bulbs to be done periodically, to remove dust over it.
- Catchy campaigns that made use of easy to remember slogans; Use of various communication tools such as posters at strategic locations to inform staff of the steps that can be taken to conserve energy and minimize wastage
- Installation of Lighting controls including timers and occupancy sensors
- Use of Variable Speed Drives (VSD)
- Upgrades to Heating Ventilation Air-Conditioning and Cooling (HVAC)
- Dampers, actuators and controls

- Voltage Regulation Units (VRUs)
- Demand response management
- Building Automation and sealing

1.2 Air Environment

Audit Observation

In order to maintain ambient air quality as per norms laid down by Central Pollution Control Board following precautions are taken by the management;

- Roads inside campus are tarred and concreted.
- Well-developed green belt is maintained.
- Roads are frequently cleaned and watered.
- All civil work / repair work is done with proper cladding.
- Material movement is done in closed trucks.
- Only PUC certified vehicles are allowed in the campus.

The hospital is taking following steps to improve the Indoor Air Quality.

- The facility staff has been instructed to use proper masks and gloves while handling patients and follow all hygiene protocol designated & facilitated for them.
- The hospital has awarded housekeeping contract to experienced agency (Bharat Vikas Group).
- Protocols for housekeeping as per the various departments of hospital are fixed and critically followed. The company carrying out these works is ISO certified and few documents related to protocols, check points, recruitment of staff for housekeeping are enclosed as **Annexure III**.
- Adequate ventilation and illumination are provided as per standards and proper humidity is maintained.
- HVAC system is provided to maintain proper quality in wards, operation theatres, and various departments.
- Differential Pressure controls are maintained as per standards.

1.4 Waste generation and Management

Audit Observation

- As per the BMW rules, the biomedical waste from the hospital campus is categorized in four categories. It is then sorted out and stored in dedicated containers with Yellow, White, Red and Blue colour.
- The category wise waste is weighted, documented and collected daily by the Authorized facility operator for scientific disposal.
- A system of gate pass is maintained at the time of handling over waste to the Authorized representative of facility operator
- The records of daily waste generation and disposal are maintained by the concerned department.
- A sample copy of documentation maintained is enclosed as **Annexure IV**.
- The management of the hospital campus has entered into agreement with M/s Green E-Bin Electronic Waste Solutions Pvt Ltd., for disposal of E Waste generated from the hospital and college campus.
- The E Waste is handed over to the authorized recycler and E Waste Manifest (form - 6) is prepared as per the rules of E Waste rules.
- Due to COVID- 19 pandemic, E-waste has not been disposed since March 2020.
- The biodegradable waste from the whole campus consisting of food waste, tree leaves, and lawn cuttings is converted into bio compost by use of 7 tank process and a special microbial culture. The bio compost is used as manure for green belt in the campus.

1.5 Water Requirement and Management

Audit Observation

- The hospital and hostel need fresh water for various purposes which is sourced from Aurangabad Municipal Corporation and in case of non-availability the water is purchased through tankers from reputed agencies.
- The hospital has received consent to operate under water Act 1974, Air Act 1981, Authorization under rule 5 of the Hazardous Wastes (M, H & T M) rules 2016 and Biomedical Waste Management rules 2016 from Maharashtra Pollution Control Board

(Ref. Number Format 1.0/BO/UAN No. 62150 / CAC-1906001274 dated 25th June 2019 valid up to 31st Dec 2023). The copy of same is enclosed as **Annexure- V**.

- The hospital has provided state of art sewage and trade effluent treatment plant. The management is carrying out 3rd party testing for trade effluent and domestic effluent. The untreated and treated trade and domestic effluents are tested on monthly basis through this third party which is NABL and MOEFCC accredited. A copy of report is enclosed as **Annexure- VI**.
- The schematic diagram of ETP and STP is enclosed as an **Annexure- VII**.
- Storm water management system has been designed for peak rainfall of 100 mm. The network of storm water drains throughout the campus ensure that there is no flood like situation in the campus during peak rainfall.
- Rain water harvesting is also practised and the water obtained is used for landscaping, play fields and tropical forest through drip irrigation system.
- The work done for rain water harvesting and storm water management is under supervision of M/s Space Forum Architects Pvt. Ltd. The certificate and drawing in this respect are enclosed as **Annexure- VIII**.

1.6 Fire Safety

Audit Observation

- Provision of Full fledged fire detection, fire hydrant and fire extinguisher's system as per the requirement. Aurangabad Municipal Corporation has issued Final Fire NOC to the campus wide their letter dated 21 Mar 2017 with Ref. number AMC/FIRE/1184/2017.
- Disaster Management Plan for the whole campus is in place. (Ref. Doc No. – MAN/MGM/COP 4 dated 19 Nov 2016)
- Regular fire drills and trainings are undertaken and records are maintained. However, due to COVID 19 pandemic situation, fire drill was not conducted since March 2020. A copy of previous sample record is enclosed as **Annexure IX**.

- Fire escape plan are displayed at various locations. The appropriate type and several fire extinguishers have been installed according to the kind of fire that could take place in areas like Kitchen, MRI, Electrical room, data centre area, etc.
- The organization has appointed Fire Safety Officer-in-charge of all concerns related to Fire Prevention & Safety.

1.7 Patient and Staff Safety

Audit Observation

- Various safety related SOP's like Smoking Limitation Policy, Radiation Safety Program, safety in pathology and Microbiology labs, management of hazardous material, safety related to medical gases, needle handling policy, disinfection and decontamination protocols and incident reporting are in place.
- Safety related quality indicators are fixed for various mock drills, incidences of falls in hospital, number of sentinel events and critical equipment down time.
- The hospital has well laid protocols and procedures for radiation safety.
- In case of handling of equipment's like MRI/CT Scan/X-Ray, following precautions are taken;
 - Machine Rooms are isolated properly from surrounding with key locking door.
 - Technician is properly trained.
 - All warning signs are displayed in waiting area.
 - Periodical QA is performed for machines.
- The hospital management is taking effective steps related to infection control:
 - Education and training to staff
 - Surveillance of infection
 - well defined Policies, procedures, and guidelines
 - Conducting regular Audit's.
 - Regular Monitoring of hospital hygiene

1.8 Noise / Aesthetics / Social Environment

Audit Observation

- To overcome the problem of noise within hospitals, following preventive procedures are being carried out.
- A regular check and maintenance to all systems.
- Regular Monitoring of noise levels.
- Acoustic enclosure to high noise machine like DG set.
- The hospital campus has provided 30% of total area for green belt and open spaces. Various types of trees (@ 1500) are planted in the campus and treated sewage is being used for green belt development.
- Various CSR activities are carried out by the hospital like
 - Medical camps
 - Free Medicines to the needy
 - Free food and Treatment to poor patients
 - Awareness programs for Breast Feeding.
- Various staff welfare activities are undertaken such as Charity Card, Salary Advance, Sports Complex Facilities, Diwali Gifts and MGM Society benefits like loan, LIC, emergency cash can be availed in it

1.9 Conclusion of Study

An internal Environmental Audit was carried out by Environment Management Cell chaired by Dr. Sukhmeen Kaur covering various aspects. The audit included field visit, verifications of documentation and discussions with concerned. The MGM Hospital and College Campus is meeting to all regulatory requirements applicable to them.

Annexures

Annexure I: Lay out of Campus



Annexure II: Electrical Unit Consumption of MGM Campus

2021

Sr.No	Month	MSEB Unit Import	Solar unit Generation	MSEB Unit(KVAH) CONSUMPTION	Total generation MSEB+SOLAR	Solar unit Export	Total Consumption
1	Jan-21	197250	59377	197645	256627	225	256402
2	Feb-21	172080	64677	172425	236757	233	236524
3	Mar-21	220853	77503	221074	298356	30	298326
4	Apr-21	247005	76133	247252	323138	8	323130
5	May-21	275588	74010	276140	349598	0	349598
6	Jun-21	251573	65975	252077	317548	7.5	317540.5
7	Jul-21	246915	56872	247304	303787	106	303681
8	Aug-21	233565	53269	233868	286834	165	286669
9	Sep-21	242220	47153	242949	289373	188	289185
10	Oct-21	227159	62232	227614	289391	75	289316
11	Nov-21	207907	50637	208952	258544	53	258491
12	Dec-21	204638	45958	205254	250596	15	250581
		2726753	733796	2732554	3460549	1105.5	3459443.5

2022

Sr.No	Month	MSEB Unit Import	Solar unit Generation	MSEB Unit(KVAH) CONSUMPTION	Total generation MSEB+SOLAR	Solar unit Export	Total Consumption
1	Jan-22	174555	57872	174661	232427	593	231834
2	Feb-22	163147.5	66265	163263	229412.5	375	229037.5
3	Mar-22	248070	74145	248499	322215	68	322147
4	Apr-22	300000	77676	301508	377676	0	377676
5	May-22	323205	81340	325483	404545	0	404545
6	Jun-22	297631	70445	398826	368076	0	368076
7	Jul-22	276382	42819	277492	319201	38	319163
8	Aug-22	277950	54161	278990	332111	76	332035
9	Sep-22	266549	57119	267619	323668	61	323607
10	Oct-22	236152.5	67945	237498	304097.5	555	303542.5
11	Nov-22	196875	62296	197666	259171	38	259133
12	Dec-22		59000		59000		59000
		2760517	771083	2871505	3531600	1804	3529796

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MUM elect -
Dept -

Annexure III: Documents related to Protocol, Check points, recruitment of staff for Housekeeping

BVG INDIA LTD								
PARTICULAR	MRNG		GER		EVE		NIG	
HOUSEKEEPING	82		6		45		24	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
	35	47	6	0	15	30	12	12
C BUILDING	5		2		0		0	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
	5	0	1	1	0	0	0	0
PATIENT CARE	72		93		70		68	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
	42	30	50	43	34	36	32	36
SUPERVISOR'S	6		2		3		2	
	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE	MALE	FEMALE
	5	1	1	1	3	0	2	0

BVG INDIA LTD			
HOUSEKEEPING 2ND SHIFTSUPERVISOR JOB CARD			
Sr NO.	TIME	ACTIVITY	REMARK
1	12..45PM TO 01.00PM	TOTAL EMPLOYEES BRIEFING	
2	01.00PM TO 01.15PM	DEPLOYMENT & MATERIAL DISTRIBUTION	
3	01.15PM TO 02.00PM	ALL EMPLOYEES CHECKING IN WARD ARE PRASENT.	
4	02.00PM TO 04.00PM	1) ALL WARD & WARD WASHROOM & GENERAL WASHROOM CLEANING CHEKING	
5	05.00PM TO 05.30PM	LUNCH TIME	
6	05.30PM TO 06.15PM	PERSONAL ROUND TO ALL FLOOR CLEANING CHEKING	
7	06.15AM TO 08.45PM	ALL CLIENT ROUND ISSUE POINT ARE CLEAR WITH CHECK LIST SING.	
8	08.45.PM TO 09.00PM	TOTAL DAY ARE COMPLENT AND ISSUE ARE BRIEFING	
9	09.00 TO 09.30	TOTAL CHECKLIST (GROOMING,BRIEFING,MACHINE UTILIZATION,HAND OVER TAKE OVER)AND ATTENDANCE ARE COPMLEDED	

Annexure IV: Sample Documentation maintained for BMW

Form - IV (See rule 13) Bio Medical Waste Annual Return for the Calender Year - 2020		
Application Type: HCF	Calender Year 2020	Submit To SRO-Aurangabad I
Member of CBMWTF: Yes		
Type of Health Care Facility Bedded		
1) Particulars		
i) First Name Dr. Rajendra	ii) Middle Name Brijmohan	iii) Last Name Bohra
iv) Designation DEAN	v) Aadhaar No 514010698266	vi) PAN No AGKPB5417G
vii) Address as per Aadhaar Card Samarthnagar, Aurangabad	viii) Tel. No. 0240660111	ix) Fax No. 02402484427
x) e-mail mgmca@themgmgroup.com	xi) URL of website www.themgmgroup.com	
2) Details of the HCF		
i) Name of the HCF MGM'S MEDICAL COLLEGE & HOSPITAL	ii) Email mgmca@themgmgroup.com	iii) Name of the contact person Lahane Yougesh
iv) Contact No. 8007488994		
3) Address of the HCF		
i) Building Name/Building No./Survey Number MGM'S CAMPUS	ii) Street / Village N-6, CIDCO	iii) City / Taluka AURANGABAD
iv) District Aurangabad	v) Pin-Code Number 431003	vi) Near by Landmark
vii) Latitude coordinate 19.8778	viii) Longitude coordinate 75.3545	ix) Ownership Charitable Trust
4) Status of Consent and Authorisation under the Bio-Medical Waste (Management and Handling) Rules		
i) Authorization No. 1.0/BO/UAN NO062150/CAC-1906001274	ii) Authorization validity Date 2023-12-31	
i) Consent Number 1.0/BO/UAN NO-62150/CAC-1906001274	ii) Consent validity Date 2023-12-31	
5) Total No of Beds (As per valid Authorization)		700
6) Registration Number (e.g. Bombay Nursing Home reg. no.,MSDC,MBTC)		1947
7) Registration Expiry Date		2021-06-30
3) Faculty of Medicine		
i) Name of the Common Bio-Medical Waste Treatment Facility Operator through which wastes are disposed of M/s. Water Grace Products , Aurangabad		
1) Details of BMW-		
i) Authorized BMW Quantity MT/month (as per valid CCA)		

Generation of BMW Quantity (kg/day)				
Yellow 98.53000	Red 96.71000	Blue 3.00000	White 0.73000	
iii) Quantity of Biomedical waste given to CBMWTFD (kg/day)				
Yellow 98.5300	Red 96.7100	Blue	White 0.7300	General Solid Waste 20.0000
12) Details trainings conducted on BMW				
i) Number of trainings conducted on BMW Management. 13				
ii) Number of personnel trained 20				
iii) Number of personnel trained at the time of induction 20				
iv) number of personnel not undergone any training so far 3				
v) whether standard manual for training is available? Yes				
vi) any other information CONTINUES TRAINING SCHEDULE				
13) Details of the accident occurred during the year				
i) Number of Accidents occurred				
ii) Number of the persons affected				
iii) Remedial Action taken (Please attach details if any) Yes				
iv) Any Fatality occurred, if yes details. Yes				
14) Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year? Yes				
15) Is the disinfection method or sterilization meeting the log -4 standards? How many times you have not met the standards in a year? Yes				
Place AURANGABAD	Designation DEAN	Date 23-06-2021		



MGM MEDICAL COLLEGE & HOSPITAL

N-6 Cidco, Aurangabad 431 003

Tel: (0240)6601100, Fax (0240) 2484445 *may-2020*

MGM/MCH/~~2019~~ 2020

Date: *01/05/2020*

Treatment and Disposal of Biomedical Waste generated from Hospital to CBMWTSDF

The authorization is granted for generation and disposal of Bio-Medical Waste (BMW) to CBMWTSDF in waste categories and quantities listed here in below from Jan2020 to December 2020

Sr. No	Category	Type of Waste	Quantity not to exceed (Kg/M)	Segregation Colour coding	Treatment & Disposal	
1	Yellow	a). Human Anatomical waste	84 kg	Separate collection system leading to effluent treatment system	No onsite treatment of BMW is permitted. The above mentioned Bio medical Waste shall be sent to Common BMW Treatment & Disposal facility authorized by MPCB.	
		b). Animal Anatomical Waste	NO			
		c). Solid Waste	184 kg			
		d). Expired or Discarded Medicines	2.5 kg			
		e). Chemical Waste	NO			
		f). Chemical Liquid Waste	NO			
		g). Discarded linen, mattresses, beddings contaminated with blood or body fluid.	NO			Yellow colored nonchlorinated plastic bags or suitable packing material
		h). Microbiology Biotechnology and other clinical laboratory waste	8.5 kg			Autoclave safe plastic bags or containers
2	Red	Contaminated waste (Recyclable)	301 kg	Red colored non chlorinated plastic bags or containers		
3	White (Translucent)	Waste sharps including Metals	16 kg	Puncture proof, Leak proof, temper proof container		
4	Blue	a) Glassware	86 kg	Puncture proof & leak proof boxes or containers with blue colored marking.		
		b) Metallic body implants	NO			

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MGM MEDICAL COLLEGE & HOSPITAL

N-6 Cidco, Aurangabad 431 003

Tel: (0240)6601100, Fax (0240) 2484445 Aug-2020

MGM/MCH/2019 2020

Date: 01/08/2020

Treatment and Disposal of Biomedical Waste generated from Hospital to CBMWTSDF


The authorization is granted for generation and disposal of Bio-Medical Waste (BMW) to CBMWTSDF in waste categories and quantities listed here in below from Jan 2020 to December 2020

Sr. No	Category	Type of Waste	Quantity not to exceed (Kg/M)	Segregation Colour coding	Treatment & Disposal	
1	Yellow	a). Human Anatomical waste	71-Kg	Separate collection system leading to effluent treatment system	No onsite treatment of BMW is permitted. The above mentioned Bio medical Waste shall be sent to Common BMW Treatment & Disposal facility authorized by MPCB.	
		b). Animal Anatomical Waste	NO			
		c). Solid Waste	133-Kg			
		d). Expired or Discarded Medicines	15-Kg			
		e). Chemical Waste	NO			
		f). Chemical Liquid Waste	NO			
		g). Discarded linen, mattresses, beddings contaminated with blood or body fluid.	NO			Yellow colored nonchlorinated plastic bags or suitable packing material
		h). Microbiology Biotechnology and other clinical laboratory waste	2.5-Kg			Autoclave safe plastic bags or containers
2	Red	Contaminated waste (Recyclable)	247-Kg	Red colored non chlorinated plastic bags or containers		
3	White (Translucent)	Waste sharps including Metals	16-Kg	Puncture proof, Leak proof, temper proof container		
4	Blue	a) Glassware	88-Kg	Puncture proof & leak proof boxes or containers with blue colored marking.		
		b) Metallic body implants	NO			

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MGM MEDICAL COLLEGE & HOSPITAL
 N-6 Cidco, Aurangabad 431 003
 Tel: (0240)6601100, Fax (0240) 2484445

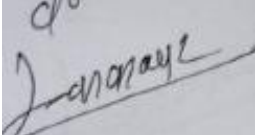
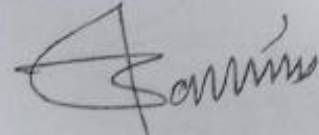
October-2020

MGM/MCH/2019 2020 Date: 01 /10 /2019


**Treatment and Disposal of Biomedical Waste generated from Hospital to
CBMWTSDF**

The authorization is granted for generation and disposal of Bio-Medical Waste (BMW) to CBMWTSDF in waste categories and quantities listed here in below from Jan 2020 to December 2020

Sr. No	Category	Type of Waste	Quantity not to exceed (Kg/M)	Segregation Colour coding	Treatment & Disposal	
1	Yellow	a). Human Anatomical waste	65-Kg	Separate collection system leading to effluent treatment system	No onsite treatment of BMW is permitted. The above mentioned Bio medical Waste shall be sent to Common BMW Treatment & Disposal facility authorized by MPCB.	
		b). Animal Anatomical Waste	NO			
		c). Solid Waste	123-Kg			
		d). Expired or Discarded Medicines	3-Kg			
		e). Chemical Waste	NO			
		f). Chemical Liquid Waste	NO			
		g). Discarded linen, mattresses, beddings contaminated with blood or body fluid.	NO			Yellow colored nonchlorinated plastic bags or suitable packing material
		h). Microbiology Biotechnology and other clinical laboratory waste	3-Kg			Autoclave safe plastic bags or containers
2	Red	Contaminated waste (Recyclable)	259-Kg	Red colored non chlorinated plastic bags or containers		
3	White (Translucent)	Waste sharps including Metals	17-Kg	Puncture proof, Leak proof, temper proof container		
4	Blue	a) Glassware	74-Kg	Puncture proof & leak proof boxes or containers with blue colored marking.		
		b) Metallic body implants	NO			

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Annexure V: Valid Consent Copy of MGM by MPCB

MAHARASHTRA POLLUTION CONTROL BOARD																																
Tel: 24010437/24020781/24014701 Fax: 24024068 /24023515 Website: http://mpcb.gov.in E-mail : cac-cell@mpcb.gov.in		Kalpataru Point, 2 nd - 4 th Floor, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E) Mumbai - 400 022																														
<p>Red/LSI Consent No: Format 1.0/BO/UAN No.62150 /CAC - 1906001274 Date 25/6/2019.</p> <p>To, M/s MGM's Medical College and Hospital, N-6, CIDCO Aurangabad-432003.</p> <p>Sub : Combined Consent to operate and BMW Authorization under RED Category to Health Care Establishment (HCE's).</p> <p>Ref : 1.Consent granted by the Board vide no.BO/CAC-Cell/CCA-9767 Dated 12.08.2016 valid up to 31.12.2018. 2. Your application for combine consent to operate and BMW Authorization dated 07.12.2018. 3. The minutes of Consent Appraisal Committee meeting dated 02.05.2019.</p> <p>Combined Consent to Establish and BMW Authorization. under Section 26 of the Water (Prevention & Control of Pollution) Act, 1974 & under Section 21 of the Air (Prevention & Control of Pollution) Act, 1981, Authorization under Rule 5 of the Hazardous Wastes (M, H & T M) Rules 2016 and Biomedical Waste Management Rules 2016 and amendment in Rules 2018 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:</p> <p>1. The conditional combined consent to operate and BMW authorization is granted for period up to 31.12.2023.</p> <p>2. The capital investment of the HCE is Rs.154.96 Crs.(As per C. A. Certificate submitted)</p> <p>3. The Consent is valid for the Activity of –</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sr. No.</th> <th>Activity</th> <th></th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Hospital</td> <td></td> </tr> <tr> <td>a)</td> <td>Beds</td> <td>700 Nos.</td> </tr> <tr> <td>b)</td> <td>Total Plot Area</td> <td>20,000 Sq. Mtrs</td> </tr> <tr> <td>c)</td> <td>Total Built up Area</td> <td>16,787 Sq. Mtrs</td> </tr> </tbody> </table> <p>4. Conditions under Water (P&CP), 1974 Act for discharge of effluent:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Sr. no.</th> <th>Description</th> <th>Permitted quantity of discharge (CMD)</th> <th>Standards to be achieved</th> <th>Disposal</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Trade effluent</td> <td>22.0</td> <td>As per Schedule –I</td> <td rowspan="2">The treated trade effluent shall be recycled for secondary purpose such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be used for gardening /connected to the sewerage system provided by local body.</td> </tr> <tr> <td>2</td> <td>Domestic effluent</td> <td>540.0</td> <td>As per Schedule –I</td> </tr> </tbody> </table>				Sr. No.	Activity		1	Hospital		a)	Beds	700 Nos.	b)	Total Plot Area	20,000 Sq. Mtrs	c)	Total Built up Area	16,787 Sq. Mtrs	Sr. no.	Description	Permitted quantity of discharge (CMD)	Standards to be achieved	Disposal	1	Trade effluent	22.0	As per Schedule –I	The treated trade effluent shall be recycled for secondary purpose such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be used for gardening /connected to the sewerage system provided by local body.	2	Domestic effluent	540.0	As per Schedule –I
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M/s MGM's Medical College and Hospital, UAN No.62150		Page 1 of 9																														

5. Conditions under Air (P&CP) Act, 1981 for air emissions:

Sr. no.	Description of stack / source	Number of Stack	Standards to be achieved
1	D.G.Set [600 KVA]	1	As per Schedule-II
2	D.G.Set [600 KVA]	1	
3	D.G.Set [750 KVA]	1	

6. Conditions under Hazardous Wastes (Management, Handling Transboundary and Other Waste) Rule 2016 for treatment and disposal of Hazardous Waste:

Sr. No.	Type of Waste	Quantity	UOM	Treatment	Disposal
1	35.3 Chemical sludge from ETP	As actual	Nil	---	At 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	As actual	Kg/Day	---	Recycle or hand over to local body
3	STP Sludge	As actual	Kg/Day	---	Manure

8. The authorization is granted for generation and disposal of Bio-Medical Waste (BMW) to CBMWTSDF in waste categories and quantities listed here in below:

Sr. No.	Category	Type of Waste	Quantity not to exceed (Kg/M)	Segregation Color coding	Treatment & Disposal
1	Yellow	a) Human Anatomical waste	90.0	Yellow colored non-chlorinated plastic bags	No onsite treatment of BMW is permitted. The above-mentioned Bio medical Waste shall be sent to Common BMW Treatment & Disposal facility authorized by MPCB.
		b) Animal Anatomical Waste	---		
		c) Soiled Waste	250.0		
		d) Expired or Discarded Medicines	2.0		
		e) Chemical Waste	---		
		f) Chemical Liquid Waste	---	Separate collection system leading to effluent treatment system	
		g) Discarded linen, mattresses, beddings contaminated with blood or body fluid.	9.0	Yellow colored non-chlorinated plastic bags or suitable packing material	
		h) Microbiology Biotechnology and other clinical laboratory waste	5.0	Autoclave safe plastic bags or containers	

2	Red	Contaminated waste (Recyclable)	300	Red colored non chlorinated plastic bags or containers	No onsite treatment of BMW is permitted. The above-mentioned Bio medical Waste shall be sent to Common BMW Treatment & Disposal facility authorized by MPCB.
3	White (Translucent)	Waste sharps including Metals	135	Puncture proof, Leak proof, tamper proof container	
4	Blue	a) Glassware b) Metallic body implants	31 ---	Puncture proof & leak proof boxes or containers with blue colored marking.	

9. If Built up area exceeds more than 20,000 sq. meters and if hospital is commissioned after 14.09.2006, the project proponent shall comply EIA Notification 2006 as Amended.

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. If the built-up area exceeds more than 20,000 sq. Mtrs. and if the hospital is commissioned after 14.09.2006, the project proponent shall comply EIA Notification 14.09.2006 by obtaining Environment Clearance.
- d. 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.
- e. 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".
- f. You shall ensure phase out of chlorinated plastic bags, gloves and blood bags by HCEs within two years;
- g. You shall establish Bar code system within one year

- h. 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;
- i. 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.
- j. You shall submit separate Bank Guarantees towards compliance of condition mentioned at Annexure – IV to Regional Office, within 30 days.
- k. You shall submit compliance of Bank Guarantee conditions every six months to Regional Officer, for verification purpose.
- l. 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. Project Proponent shall not take effective steps towards establishment prior to obtaining Environmental Clearance As per EIA Notification 2006 and amendment thereto. As per para 2 of EIA Notification dated 14.09.2006, the effective steps include starting of any construction work or preparation of land by the project management. However as clarified by the MOEF & CC vide office memorandum no.J-1103/41/2006-IA,II (I), Dated 19.08.2010, fencing of the site to protect it from getting encroached and construction of temporary shed (S) for the guard(S) & acquisition of land may not be treated as an effective steps.

For and on behalf of the
Maharashtra Pollution Control Board

(E. Ravandiran, IAS)
Member Secretary

Received Consent fee of-

Sr. No.	Amount (Rs.)	D.R. No.	Date	Bank
1	15,49,623	TXN 1812001366	12.12.2018	E- Payment
2	75,000/-	TXN 1812002590	24.12.2018	E- Payment
3	1,00,000/-	TXN 1901000998	09.01.2019	E- Payment
4	1,24,817/-	TXN 1906000847	11.06.2019	E- Payment

Copy to:

1. Regional Officer – MPCB, Aurangabad and Sub –Regional Officer – Aurangabad -1, MPCB – They are directed to ensure the compliance of the CCA conditions.
2. Chief Accounts Officer, MPCB, Mumbai- for information.
3. CAC/CC desk - for record & website updation purposes.

Schedule-I

i) Terms & Conditions for compliance of Water Pollution Control

1) A) As per your application you have provided Effluent treatment plant (ETP) of capacity 30 CMD for the treatment of trade effluent generated from the hospital activity.

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	Discharge Standards applicable
		Limiting Concentration in mg/l, except for pH
01	pH	6.5-9.0
02	Total Suspended Solids	100
03	Oil & Grease	10
04	BOD (3 days 27°C)	30
05	COD	250
06	Detergent	2.0
07	Bio-Assay test	90 % survival of fish after 96 hours in 100 % effluent


C) The treated effluent shall be recycled for secondary purpose such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be used for gardening /connected to the sewerage system provided by local body. 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 records with data logging system.

2) A) As per your application you have provided sewage treatment plant (STP) of design capacity of 600 CMD for treatment of domestic sewage generated from the hospital and thereafter the treated effluent shall be discharged followed by Chlorination and the treated effluent shall be disposal to Municipal Sewer / Land application after achieving standard prescribed below:

B) The applicant shall operate the sewage treatment plant (STP) to treat the domestic 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	Discharge Standards applicable
		Limiting Concentration in mg/l, except for pH
01	pH	6.5-9.0
02	Total Suspended Solids	50
03	Oil & Grease	10
04	BOD (3 days 27°C)	30
05	COD	100
06	Bio-Assay test	90 % survival of fish after 96 hours in 100 % effluent

C) The treated effluent shall be recycled for secondary purpose such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall be connected to the sewerage system provided by local body. 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 records with data logging system.



M's MGM's Medical College and Hospital, UAN No.62150 Page 5 of 9

- 3) The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waste water & the system for the disposal of effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps for expansion / modify or establish any modification to treatment and disposal system or an extension or addition thereto.
- 4) You 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) You shall provide Specific Water Pollution control system as per the conditions of EP Act, 1986 and rule made there under from time to time.

Water Consumption details:

Sr. No.	Purpose for water consumed	Water Consumption quantity CMD
1.	Industrial Cooling and boiler feed etc.,	---
2.	Domestic purpose	670.0
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	27.0
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	---
5	Other such as agriculture, gardening, etc.	--

Schedule-II

Terms & conditions for compliance of Air Pollution Control

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

Sr. No.	Stack Attached to	Height in meter	Type of Fuel	Fuel Qty	SO ₂ In Kg/Day
1	D.G.Set [600 KVA]	4.5	HSD	130 Kg/hrs	62.4
2	D.G.Set [600 KVA]	4.5	HSD	130 Kg/hrs	62.4
3	D.G.Set [750 KVA]	4.5	HSD	132 Kg/hrs	63.36

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:

Particulate matter	Not to exceed	150 mg/Nm ³
--------------------	---------------	------------------------
3. The Applicant shall obtain necessary prior permission for providing additional control equipment with necessary specifications and operation thereof or alteration or replacement/alteration well before its life come to an end or erection of new pollution control equipment.
4. The Board reserves its rights to vary all or any of the condition in the consent, if due to any technological improvement or otherwise such variation (including the change of any control equipment, other in whole or in part is necessary).



5. Conditions for D.G. Set

- a. Noise from the D.G. Set should be controlled by providing an acoustic enclosure or by treating the room acoustically.
- b. Industry should provide acoustic enclosure for control of noise. The acoustic enclosure/ acoustic treatment of the room should be designed for minimum 25 dB (A) insertion loss or for meeting the ambient noise standards, whichever is on higher side. A suitable exhaust muffler with insertion loss of 25 dB (A) shall also be provided. The measurement of insertion loss will be done at different points at 0.5 meters from acoustic enclosure/room and then average.
- c. Industry should make efforts to bring down noise level due to DG set, outside industrial premises, within ambient noise requirements by proper siting and control measures.
- d. Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.
- e. A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.
- f. D.G. Set shall be operated only in case of power failure.
- g. The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.
- h. The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.

Schedule-IV: Bank Guarantees

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
I (A)	Operation and Maintenance		
1	To Segregate and Handle BMW as per Rule	Continuous	Rs. 1,00,000/-
2	To provide STP adequate capacity within 3 months and Towards Operation and Maintenance of STP/ETP to achieve prescribed discharge standards	Continuous	Rs. 1,00,000/-
I (B)	Records		
1	To Maintain records of BMW and submission of Annual Report in Form -II before 31 st January	Continuous	Rs. 25,000/-
2	To maintain records of BMW material delivered to CBMWTSDF	Continuous	Rs. 25,000/-
II	Performance		
1	To provide BMW separate storage facility as per guidelines of CPCB	Continuous	Rs. 75,000/-

Note: You shall submit the B.G. valid for additional 4 month period after the validity of your granted CCA.


Schedule-V

General Conditions

The following general conditions shall apply as per the type of the industry

- 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.

-0000-



Annexure V: 3rd Party Reports for Trade & Domestic Effluents


SHREEJI AQUA TREATMENT PVT. LTD.
We treat WATER under your roof

No ISO 9001:2015
Certified Company
GHSAS 18891 : 2007

Pune: 21 A, Shreeji Complex, Naraina Nagar, Pune, Pune: 411 038.
Vadodra: Plot No.1, Shah Ind. Park - 1, Vadodra Savli Road, Lamdaguna, 391 775 Dist. Vadodra
Lab.: 1 & 4, Shreeji, Goregaon apt. Plot No. 53, Purna Nagar, Chikhli, Pune: 411 015.
Ph: 020-27423929 • Fax: 020-27421127 • Customer Care No. +91 9225247365
Web: www.shreeji-aqua.com • Email: info@shreeji-aqua.com

Laboratory Recognised by Ministry of Environment, Forest & Climate Change, Govt. of India.

TEST REPORT					30/07/2022
Sample / Report No.	SL/22-23/07/MWW/46a				
Name of Customer	M/s. MGM Hospital				
Address of Customer	N-6, CIDCO, Aurangabad.				
Order / Reference	As per TRF dated 27/07/2022				
Sample declaration as provided by customer :					
Nature of Sample	ETP Outlet				
Batch No.	NA				
Sample Drawn by	Bhumi Associates on 27/07/2022	Sample Received On	27/07/2022		
Start of Analysis	27/07/2022	End of Analysis	30/07/2022		
Sample Container	Plastic Bottle	Sample Quantity	02 lit		
Sampling Procedure	NA				
Limits	As per MPCB Limit				
Parameters	Results	Limits	Unit	Method	
Chemical Testing					
pH	7.6	5.5-9.0	----	IS 3025 (Part 11):2002	
Total Suspended solids (TSS)	20.0	<50.0	mg/lit	APHA, 23 rd Edition 2017/ 2540-D	
Total Dissolved Solids (TDS)	850.0	<2100.0	mg/lit	IS 3025 (Part 16):2006	
Chemical Oxygen Demand (COD)	60.0	<100.0	mg/lit	APHA, 23 rd Edition 2017/ 5220-C	
Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	20.0	<30.0	mg/lit	IS 3025 (Part 44):1993	
Note: NA-Not Applicable.					
Remark: Reference to above testing parameters, given ETP Outlet water sample meets within prescribed limits.					
-----End of Test Report-----					
				Authorized Signatory	
				 	
				Dr. Archana Waykole (Government Analyst)	
This report cannot be reproduced in parts. The results relate to sample tested.					Page 1 of 1





SHREE AQUA TREATMENT PVT. LTD.
Water Treatment Solutions


AN ISO 9001:2015
 Certified Company
 ISO 14001:2007

Plot: 21 A, Shreeji Complex, Nehru Nagar, Pune, Pin: 411 038.
Madhara: Plot No. 1, Shreeji Park - 1, Madhara Savli Road, Landagora, 401 225, Madhara.
Lab: 1 & 4, Shreeji Complex apt. Plot No. 55, Purna Nagar, Chikli, Pune, 411 019.
Ph: 020-27423030 • Fax: 020-27421127 • Customer Care No. +91 9225347365
Web: www.shreeaqua.com • Email: info@shreeaqua.com

Laboratory Recognised by Ministry of Environment, Forest & Climate Change, Govt. of India.

TEST REPORT					28/07/2022
Sample / Report No.	SL/22-23/07/MWW/46b				
Name of Customer	M/s. MGM Hospital				
Address of Customer	N-6, CIDCO, Aurangabad.				
Order / Reference	As per TRF dated 22/08/2022				
Sample declaration as provided by customer :					
Nature of Sample	STP Outlet				
Batch No.	NA				
Sample Drawn by	Bhumi Associates on	Sample Received On	25/07/2022		
	25/07/2022				
Start of Analysis	25/07/2022	End of Analysis	28/07/2022		
Sample Container	Plastic Bottle	Sample Quantity	02 lit		
Sampling Procedure	NA				
Limits	As per MPCB Limit				
Parameters	Results	Limits	Unit	Method	
Chemical Testing					
pH	7.9	5.5-9.0	----	IS 3025 (Part 11):2002	
Total Suspended solids (TSS)	18.0	<50.0		APHA, 23 rd Edition 2017/ 2540-D	
Total Dissolved Solids (TDS)	380.0	<2100.0	mg/lit	IS 3025 (Part 16):2006	
Chemical Oxygen Demand (COD)	45.0	<100.0	mg/lit	APHA, 23 rd Edition 2017/ 5220-C	
Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	15.0	<30.0	mg/lit	IS 3025 (Part 44):1993	
Note: NA-Not Applicable.					
Remark: Reference to above testing parameters, given STP outlet water sample meets within prescribed limits.					
----End of Test Report----					
Authorized Signatory   Dr. Archana Waykole (Government Analyst)					

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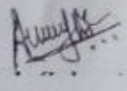


SHREEJI AQUA TREATMENT PVT. LTD.
We treat 204728 under one roof


Pune: 22 A, Shreeji Complex, Nehru Nagar, Pimpri, Pune- 411 008.
Madhara: Plot No. 1, Shah Ind. Park - 1, Madhara-Savli Road, Loniapur, 391 775 Dist. Vadodara
Lah. 1 & 4, Shreeji terrace apt. Plot No. 53, Purma Nagar, Chikhli, Pune- 411 019.
Ph.: 020-27423939+Fax: 020-27421227+Customer Care No. +91 9225247365
Web: www.shreejaqua.com + Email: info@shreejaqua.com

AN ISO 9001:2015
 Certified Company
 CMAAS 19901 - 2007

Laboratory Recognised by Ministry of Environment, Forest & Climate Change, Govt. of India.

TEST REPORT					25/08/2022
Sample / Report No.	SL/22-23/08/MWW/28AAE				
Name of Customer	M/s. MGM Hospital				
Address of Customer	N-6, CIDCO, Aurangabad.				
Order / Reference	As per TRF dated 22/08/2022				
Sample declaration as provided by customer :					
Nature of Sample	STP Outlet				
Batch No.	NA				
Sample Drawn by	Bhumi Associates on 22/08/2022	Sample Received On	22/08/2022		
Start of Analysis	22/08/2022	End of Analysis	25/08/2022		
Sample Container	Plastic Bottle	Sample Quantity	02 lit		
Sampling Procedure	NA				
Limits	As per MPCB Limit				
Parameters	Results	Limits	Unit	Method	
Chemical Testing					
pH	7.9	5.5-9.0	-----	IS 3025 (Part 11):2002	
Total Suspended solids (TSS)	18.0	<50.0		APHA, 23 rd Edition 2017/ 2540-D	
Total Dissolved Solids (TDS)	380.0	<2100.0	mg/lit	IS 3025 (Part 16):2006	
Chemical Oxygen Demand (COD)	45.0	<100.0	mg/lit	APHA, 23 rd Edition 2017/ 5220-C	
Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	15.0	<30.0	mg/lit	IS 3025 (Part 44):1993	
Note: NA-Not Applicable.					
Remark: Reference to above testing parameters, given STP outlet water sample meets within prescribed limits. -----End of Test Report-----					
				Authorized Signatory	
				 Dr. Archana Waykole (Government Analyst)	

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SHREEJI AQUA TREATMENT PVT. LTD.
We treat WATER under one roof

Pune: 21 A, Shreeji Complex, Nehru Nagar, Pune-411 018.
Vadodara: Plot No.1, Shubh Ind. Park -1, Vadodara-Sark Road, Laxmidapara, 391 775 Dist: Vadodara
Lab.: 1 & 4, Shreeji terrace apt. Plot No. 53, Porna Nagar, Chikni, Pune-411 019.
Ph.: 020-27423939 • Fax: 020-27421127 • Customer Care No. +91 9225247365
Web: www.shreeji-aqua.com • Email: info@shreeji-aqua.com


An ISO 9001:2015
Certified Company
CNSAS 18001 : 2007

Laboratory Recognised by Ministry of Environment, Forest & Climate Change, Govt. of India.

TEST REPORT					25/08/2022
Sample / Report No.	SL/22-23/08/MWW/27b				
Name of Customer	M/s. MGM Hospital				
Address of Customer	N-6, CIDCO, Aurangabad.				
Order / Reference	As per TRF dated 22/08/2022				
Sample declaration as provided by customer :					
Nature of Sample	ETP Outlet				
Batch No.	NA				
Sample Drawn by	Bhumi Associates on 22/08/2022	Sample Received On	22/08/2022		
Start of Analysis	22/08/2022	End of Analysis	25/08/2022		
Sample Container	Plastic Bottle	Sample Quantity	02 lit		
Sampling Procedure	NA				
Limits	As per MPCB Limit				
Parameters	Results	Limits	Unit	Method	
Chemical Testing					
pH	7.8	5.5-9.0	----	IS 3025 (Part 11):2002	
Total Suspended solids (TSS)	28.0	<50.0	mg/lit	APHA, 23 rd Edition 2017/ 2540-D	
Total Dissolved Solids (TDS)	722.0	<2100.0	mg/lit	IS 3025 (Part 16):2006	
Chemical Oxygen Demand (COD)	74.0	<100.0	mg/lit	APHA, 23 rd Edition 2017/ 5220-C	
Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	28.0	<30.0	mg/lit	IS 3025 (Part 44):1993	
Note: NA-Not Applicable.					
Remark: Reference to above testing parameters, given ETP Outlet water sample meets within prescribed limits.					
-----End of Test Report-----					
				<p>Authorized Sign</p>  <p>Dr. Archana Waykole (Government Analyst)</p>	

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An ISO 9001:2015
 Certified Company
 CERTAB 18001 - 2007



SHREEJI AQUA TREATMENT PVT. LTD.
We treat water and air


Pune: 21 A, Shreeji Complex, Naraina Nagar, Pune, Phone: 411 828
 Vadodra: Plot No. L, Shub Ind. Park - I, Vadodra-Sard Road, Laxmipura, 391 775 Dist. Vadodra
 Lab: 1 & 4, Shreeji Service apt. Plot No. 53, Purva Nagar, CHAND, Pune: 411 828
 Ph.: 020-22628889 - Fax: 020-27421127 - Customer Care No. +91 9226247365
 Web: www.shreeji-aqua.com - Email: info@shreeji-aqua.com

Laboratory Recognised by Ministry of Environment, Forest & Climate Change, Govt. of India.

TEST REPORT					30/09/2022
Sample / Report No.	SL/22-23/09/MWW/14e				
Name of Customer	M/s. MGM Hospital				
Address of Customer	N-6, CIDCO, Aurangabad.				
Order / Reference	As per TRF dated 27/09/2022				
Sample declaration as provided by customer :					
Nature of Sample	ETP Outlet				
Batch No.	NA				
Sample Drawn by	Bhumi Associates on 27/09/2022	Sample Received On	27/09/2022		
Start of Analysis	27/09/2022	End of Analysis	30/09/2022		
Sample Container	Plastic Bottle	Sample Quantity	02 lit		
Sampling Procedure	NA				
Limits	As per MPCB Limit				
Parameters	Results	Limits	Unit	Method	
Chemical Testing					
pH	7.9	5.5-9.0	-----	IS 3025 (Part 11):2002	
Total Suspended solids (TSS)	30.0	<50.0	mg/lit	APHA, 23 rd Edition 2017/ 2540-D	
Total Dissolved Solids (TDS)	752.0	<2100.0	mg/lit	IS 3025 (Part 16):2006	
Chemical Oxygen Demand (COD)	68.0	<100.0	mg/lit	APHA, 23 rd Edition 2017/ 5220-C	
Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	25.0	<30.0	mg/lit	IS 3025 (Part 44):1993	
Note: NA-Not Applicable.					
Remark: Reference to above testing parameters, given ETP Outlet water sample meets within prescribed limits.					
-----End of Test Report-----					
				Authorized Signatory  	
				Dr. Archana Wadgaonkar (Government Analyst)	

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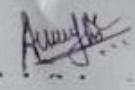
SHREEJI AQUA TREATMENT PVT. LTD.

We treat WATER under one roof

Pune: 21 A, Shreeji Complex, Sector-Nagar, Pune-411 038.
Maharashtra: Plot No. 1, Shreeji Ind. Park - I, Madhola-Saadi Road, Lumbalpada, 391 775 Dist. Vadodra
Lab.: 1 & 4, Shreeji, terrace apt. Plot No. 53, Purva Nagar, Chokha, Pune-411 019
Ph.: 020-27623939 • Fax: 020-27621127 • Customer Care No. +91 9325247365
Web: www.shreeji-aqua.com • Email: info@shreeji-aqua.com

As ISO 9001:2015
 Certified Company
 020542 19881 - 2007

Laboratory Recognised by Ministry of Environment, Forest & Climate Change, Govt. of India.

TEST REPORT					30/09/2022
Sample / Report No.	SL/22-23/09/MWW/14f				
Name of Customer	M/s. MGM Hospital				
Address of Customer	N-6, CIDCO, Aurangabad.				
Order / Reference	As per TRF dated 27/09/2022				
Sample declaration as provided by customer :					
Nature of Sample	STP Outlet				
Batch No.	NA				
Sample Drawn by	Bhumi Associates on 27/09/2022	Sample Received On	27/09/2022		
Start of Analysis	27/09/2022	End of Analysis	30/09/2022		
Sample Container	Plastic Bottle	Sample Quantity	02 lit		
Sampling Procedure	NA				
Limits	As per MPCB Limit				
Parameters	Results	Limits	Unit	Method	
Chemical Testing					
pH	7.5	5.5-9.0	----	IS 3025 (Part 11):2002	
Total Suspended solids (TSS)	28.0	<50.0		APHA, 23 rd Edition 2017/ 2540-D	
Total Dissolved Solids (TDS)	400.0	<2100.0	mg/lit	IS 3025 (Part 16):2006	
Chemical Oxygen Demand (COD)	35.0	<100.0	mg/lit	APHA, 23 rd Edition 2017/ 5220-C	
Bio Chemical Oxygen Demand (BOD) @ 27°C for 3 Days	20.0	<30.0	mg/lit	IS 3025 (Part 44):1993	
Note: NA-Not Applicable.					
Remark: Reference to above testing parameters, given STP outlet water sample meets within prescribed limits.					
-----End of Test Report-----					
					<p>Authorized Signatory</p>  <p>Dr. Archana Waykole (Government Analyst)</p>

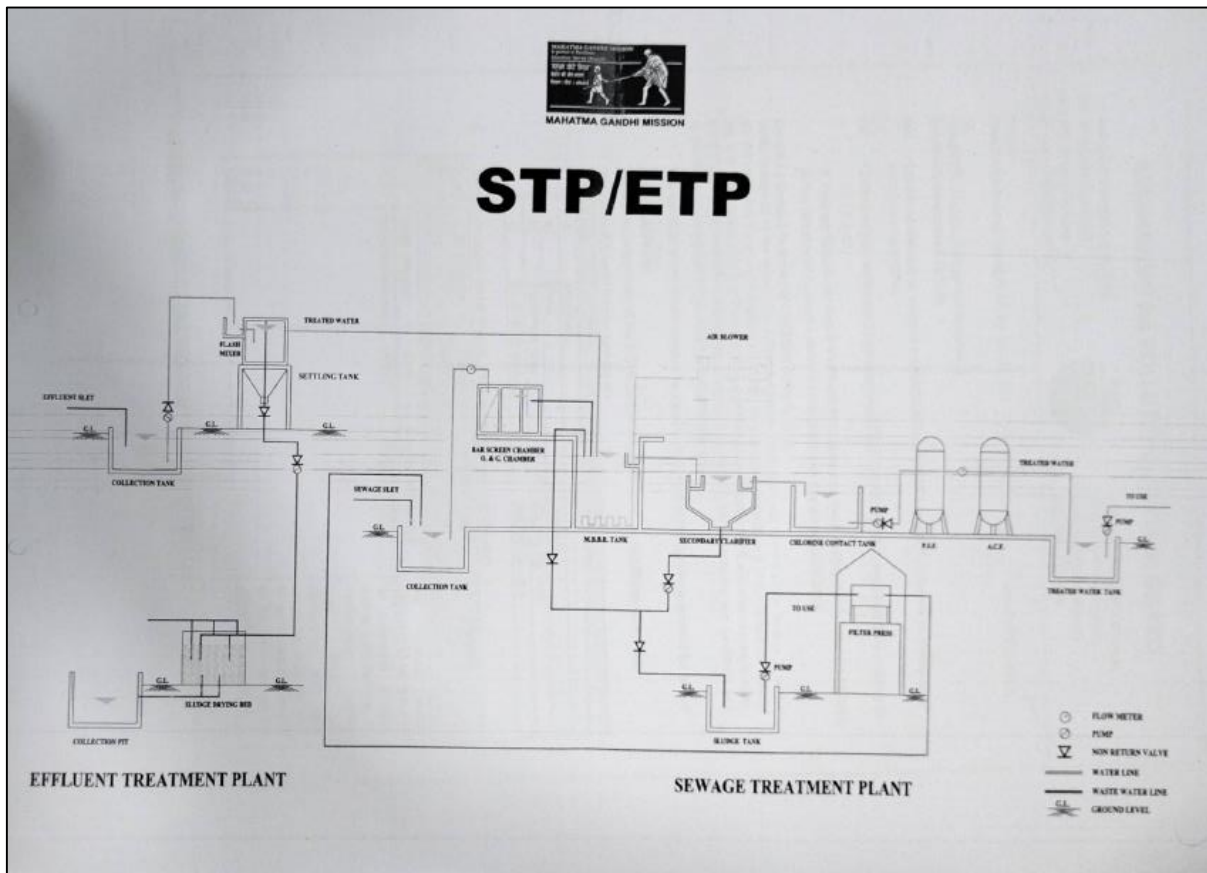
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Page 1 of 1

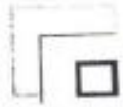
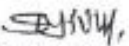
MGM MEDICAL COLLEGE & HOSPITAL
Total Sewage Treatment Plant Record Year - 2022

Month & Year	Inlet Water Flow Meter (M3)	Outlet Water Flow Meter (M3)	Use Of Water Total (M3)	Electricity Meter Reading (KWH)
Jan-22	10107.1	9280	4872	17009.4
Feb-22	10386.2	9770	6207	16377.8
Mar-22	12012.7	11340	8968	18351.2
Apr-22	11507	10980	6989	17043.2
May-22	12352.8	11700	10776	19326
Jun-22	11799.4	11120	5854	17519.2
Jul-22	12604.2	11960	3944	17344.7
Aug-22	12575.1	11910	4516	16144.2
Sep-22	11904.4	11260	4177	15746.3
Oct-22	12455.9	11800	3188	16832.2
Nov-22	11840	11229	4843	16218
Dec-22	11190.3	10570	4062.4	15687.8
Total	140735.1	132919	68396.4	203600

Annexure VI: Schematic diagram of ETP & STP



Annexure VII: Certificate for Work done for Rain Water Harvesting & Storm Water Management

<p>space forum architects pvt. ltd.</p> <p>aurangabad office : 173, manidhanan colony, sectorment, aurangabad-431 002 tel: (0246) 2873119 email : spaceforum@yahoo.co.in</p>	
<p>CERTIFICATE</p>	
<p>CERTIFICATE OF RAIN WATER / SURFACE WATER HARVESTING (RE-CHARGING) AT MGM'S MEDICAL COLLEGE HOSPITAL AND OPD BUILDING AT CIDCO TOWN CENTER, CIDCO, AURANGABAD.</p>	
<p>This is to certify that the rain water / surface water harvesting design and execution, Supervision work carried out by our organization and same is completed to our satisfaction, which yielding great positive result and save natural resources as shown in drawing no.</p>	
<p>The adopted methodology : The Mgm's Medical College Hospital campus have 2 ha. Site area having topographic slope towards North and North West side. The same sloping situation / direction utilized for collecting the entire terrace rain water and surface water at lowest ground level. The terrace rain water is collected in built up channels and surface water is also collected through catchment chambers and it is connected to the main channels of 2.0 m. width. The open channels lead towards existing slope and water is recharged in the deep percolation well having 3.0 m. dia and 6.5 m. depth. The campus have two such open wells, both the wells are connected with horizontal bores to equalize the water level during the pumping. The percolated water is stored in another open well of 4000 KL storing capacity.</p>	
<p>The store water is reutilized for landscaping, play fields and tropical forest through drip irrigation system.</p>	
<p>The open channel excess water is collected in two number of open lakes on two different locations on adjoining property of MGM trust. The lakes are covered with water synthesis / bio-synthesis plant for prevention of atmosphere evaporation. These lakes allow water to recharge in surrounding area to prevent soil erosion and provide organically rich fertile soil for landscape.</p>	
<p>This water harvesting system utilized for all 17.5 ha. MGM campus providing perfect ecological balance and oxygen pool to surrounding neighborhood.</p>	
<p>The actual resultant of the system is honored appreciation to the trust from His Highness President of India.</p>	
	<p>S. N. JIVRAG CA/63/7566</p>
<p>Ar. Shekhar Jivrag Space Forum Architects Pvt. Ltd.</p>	
<p>regd. office : 114, ariya plaza, block-b, 27/2, manoramaganj, indore - 452001 tel.: (0731)2494930</p>	

Annexure VIII: Sample Documentation maintained for BMW

Form - IV (See rule 13) Bio Medical Waste Annual Return for the Calendar Year - 2021			
Application Type: HCF		Calendar Year 2021	Submit To SRO-Aurangabad I
Member of CBMWTF: Yes			
Type of Health Care Facility Bedded			
1) Particulars			
i) First Name Dr. Rajendra	ii) Middle Name Brijmohan	iii) Last Name Bohra	
iv) Designation DEAN	v) Aadhaar No 514010698266	vi) PAN No AGKPB5417G	
vii) Address as per Aadhaar Card Samarthnagar, Aurangabad	viii) Tel. No. 0240660111	ix) Fax No. 02402484427	
x) e-mail mgmmca@themgmgroup.com	xi) URL of website www.themgmgroup.com		
2) Details of Health Care Facility			
i) Name of the HCF MGM'S MEDICAL COLLEGE & HOSPITAL	ii) Email mgmmca@themgmgroup.com	iii) Name of the contact person Lahane Yougesh	
iv) Contact No. 8007488994			
3) Address of the Health Care Facility			
i) Building Name/Building No./Survey Number MGM'S CAMPUS	ii) Street / Village N-6, CIDCO	iii) City / Taluka AURANGABAD	
iv) District Aurangabad	v) Pin-Code Number 431003	vi) Near by Landmark	
vii) Latitude coordinate 19.8778	viii) Longitude coordinate 75.3545	ix) Ownership Charitable Trust	
4) Details of valid Combined Consent and BMW Authorization (CCA)			
i) CCA / Authorization No. 1.0/BO/UAN NO062150/CAC-1906001274		ii) Valid Upto 2023-12-31	
5) Total No of Beds (As per valid Authorization)			700
6) Registration Number (e.g. Bombay Nursing Home reg. no.,MSDC,MBTC)			1947
7) Registration Expiry Date			2021-06-30
8) Faculty of Medicine 1			
9) Whether HCE Having Captive Treatment Facility No M/s. Water Grace Products , Aurangabad			
11) Details of BMW			
i) Authorized BMW Quantity MT/month (as per valid CCA)			
Yellow 356.00000	Red 300.00000	Blue 31.00000	White 135.00000

ii) Generation of BMW Quantity (kg/day)				
Yellow 213.00000	Red 189.00000	Blue 29.00000	White 26.00000	
iii) Quantity of Biomedical waste given to CBMWTFD (kg/day)				
Yellow 213.00000	Red 189.00000	Blue	White 26.00000	General Solid Waste 225.00000
12) Details trainings conducted on BMW				
i) Number of trainings conducted on BMW Management.				
13				
ii) Number of personnel trained				
20				
iii) Number of personnel trained at the time of induction				
20				
iv) number of personnel not undergone any training so far				
3				
v) whether standard manual for training is available?				
Yes				
vi) any other information				
CONTINUES TRAINING SCHEDULE				
13) Details of the accident occurred during the year				
i) Number of Accidents occurred				
ii) Number of the persons affected				
iii) Remedial Action taken (Please attach details if any)				
Yes				
iv) Any Fatality occurred, If yes details.				
Yes				
14) Liquid waste generated and treatment methods in place. How many times you have not met the standards in a year?				
Yes				
15) Is the disinfection method or sterilization meeting the log 4 standards? How many times you have not met the standards in a year?				
Yes				
16) Whether HCE Intended to Sale / Handover liquid BMW for R&D purpose				
No				
Place	Designation	Date		
AURANGABAD	DEAN	31-01-2022		



MGM MEDICAL COLLEGE & HOSPITAL

N-6 Circle, Aurangabad 431 003

Tel: (0240)6482000

Jan-2021

MGM/MCH/

Date: 01/01/2021


Treatment and Disposal of Bio-medical Waste generated from Hospital to CBMWTSDF

The authorization is granted for generation and disposal of Bio-Medical Waste (BMW) to CBMWTSDF in waste categories and quantities listed here in below from Jan2021 to December 2021

Sr. No	Category	Type of Waste	Quantity not to exceed (Kg/M)	Segregation Colour coding	Treatment & Disposal
1	Yellow	a). Human Anatomic waste	56-Kg	Yellow colored nonchlorinated plastic bags.	No onsite treatment of BMW is permitted. The above mentioned Bio medical Waste shall be sent to Common BMW Treatment & Disposal facility authorized by MPCB.
		b). Animal Anatomic Waste	NO		
		c). Solid Waste	77-Kg		
		d). Expired or Discarded Medicines	03-Kg		
		e). Chemical Waste	NO	Separate collection system leading to effluent treatment system	
		f). Chemical Liquid Waste	NO		
		g). Discarded linen, mattresses, beddings contaminated with blood or body fluid.	NO		
		h). Microbiology Biotechnology and other clinical laboratory waste	03-Kg	Autoclave safe plastic bags or containers	
2	Red	Contaminated waste (Recyclable)	149-Kg	Red colored non chlorinated plastic bags or containers	
3	White (Translucent)	Waste sharps including Metals	16-Kg	Puncture proof, Leak proof, temper proof container	
4	Blue	a) Glassware	79-Kg	Puncture proof & leak proof boxes or containers with blue colored marking.	
		b) Metallic body implants	NO		

do
J. Sahane
ASST. SUP

[Signature]
2021



MGM MEDICAL COLLEGE & HOSPITAL
 N-6 Circle, Aurangabad 431 003
 Tel: (0240)6482000

Feb-2021

MGM/MCH/ _____ Date: *01/02/2021*

Treatment and Disposal of Bio-medical Waste generated from Hospital to CBMWTSDF

The authorization is granted for generation and disposal of Bio-Medical Waste (BMW) to CBMWTSDF in waste categories and quantities listed here in below from Jan2021 to December 2021

Sr. No	Category	Type of Waste	Quantity not to exceed (Kg/M)	Segregation Colour coding	Treatment & Disposal
1	Yellow	a). Human Anatomic waste	39-Kg	Yellow colored nonchlorinated plastic bags.	No onsite treatment of BMW is permitted. The above mentioned Bio medical Waste shall be sent to Common BMW Treatment & Disposal facility authorized by MPCB.
		b). Animal Anatomic Waste	NO		
		c). Solid Waste	191-Kg		
		d). Expired or Discarded Medicines	3-Kg		
		e). Chemical Waste	NO	Separate collection system leading to effluent treatment system	
		f). Chemical Liquid Waste	NO		
		g). Discarded linen, mattresses, beddings contaminated with blood or body fluid.	NO	Yellow colored nonchlorinated plastic bags or suitable packing material	
		h). Microbiology Biotechnology and other clinical laboratory waste	8-Kg	Autoclave safe plastic bags or containers	
2	Red	Contaminated waste (Recyclable)	183-Kg	Red colored non chlorinated plastic bags or containers	
3	White (Translucent)	Waste sharps including Metals	45-Kg	Puncture proof, Leak proof, temper proof container	
4	Blue	a) Glassware	55-Kg	Puncture proof & leak proof boxes or containers with blue colored marking.	
		b) Metallic body implants	NO		

do
Lahane
ASST. SUP

[Signature]



MGM MEDICAL COLLEGE & HOSPITAL

N-6 Circle, Aurangabad 431 003

Te : (0240)6482000

May-2021

MGM/MCH/

Date: 01/03/2021

Treatment and Disposal of Bio-Medical Waste generated from Hospital to CBMWTSDF

The authorization is granted for generation and disposal of Bio-Medical Waste (BMW) to CBMWTSDF in waste categories and quantities listed here in below from Jan2021 to December 2021

Sr. No	Category	Type of Waste	Quantity not to exceed (Kg/M)	Segregation Colour coding	Treatment & Disposal
1	Yellow	a). Human Anatomical waste	82-kg	Yellow colored nonchlorinated plastic bags.	No onsite treatment of BMW is permitted. The above mentioned Bio medical Waste shall be sent to Common BMW Treatment & Disposal facility authorized by MPCB.
		b). Animal Anatomical Waste	NO		
		c). Solid Waste	150 kg		
		d). Expired or Discarded Medicines	03-kg		
		e). Chemical Waste	NO	Separate collection system leading to effluent treatment system	
		f). Chemical Liquid Waste	NO		
		g). Discarded linen, mattresses, beddings contaminated with blood or body fluid.	NO		
		h). Microbiology Biotechnology and other clinical laboratory waste	03-kg	Autoclave safe plastic bags or containers	
2	Red	Contaminated waste (Recyclable)	227-kg	Red colored non chlorinated plastic bags or containers	
3	White (Translucent)	Waste sharps including Metals	13-kg	Puncture proof, Leak proof, temper proof container	
4	Blue	a) Glassware	115-kg	Puncture proof & leak proof boxes or containers with blue colored marking.	
		b) Metallic body implants	NO		

do
Zacharia
ASST. SUP

Zacharia



MGM MEDICAL COLLEGE & HOSPITAL

N-6 Cidco, Aurangabad 431 003

Tel: (0240)6482000

APR-2021

MGM/MCH/

Date: 01/04/2021

Treatment and Disposal of Biomedical Waste generated from Hospital to CBMWTSDF

The authorization is granted for generation and disposal of Bio-Medical Waste (BMW) to CBMWTSDF in waste categories and quantities listed here in below from Jan2021 to December 2021






Sr. No	Category	Type of Waste	Quantity not to exceed (Kg/M)	Segregation Colour coding	Treatment & Disposal
1	Yellow	a). Human Anatomical waste	67-Kg	Yellow colored nonchlorinated plastic bags.	No onsite treatment of BMW is permitted. The above mentioned Bio medical Waste shall be sent to Common BMW Treatment & Disposal facility authorized by MPCB.
		b). Animal Anatomical Waste	NO		
		c). Solid Waste	115-Kg		
		d). Expired or Discarded Medicines	5-Kg		
		e). Chemical Waste	NO	Separate collection system leading to effluent treatment system	
		f). Chemical Liquid Waste	NO		
		g). Discarded linen, mattresses, beddings contaminated with blood or body fluid.	NO	Yellow colored nonchlorinated plastic bags or suitable packing material	
		h). Microbiology Biotechnology and other clinical laboratory waste	4-Kg	Autoclave safe plastic bags or containers	
2	Red	Contaminated waste (Recyclable)	193-Kg	Red colored non chlorinated plastic bags or containers	
3	White (Translucent)	Waste sharps including Metals	21-Kg	Puncture proof, Leak proof, temper proof container	
4	Blue	a) Glassware	71-Kg	Puncture proof & leak proof boxes or containers with blue colored marking.	
		b) Metallic body implants	NO		

do


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ASSF-SOP

Zammita
25/3

Annexure IX- Fire mock drills and training

















 MGM MEDICAL COLLEGE & HOSPITAL			
Fire Mock Drill Report			
Location	Pediatrics Ward First Floor Block No 2	Date:	20.02.2019
Emergency siren blown	Yes	Mock Drill completed	09:55 AM
Mock Drill Started	09:45 AM	Head Count & Green Signal after sharing observation	10. AM
Type of mock drill	Pre planned scenario - Fire		
Emergency Controller / Observer	Chief Auditor :Mr Suri (MS) Chief Fire Officer AMC Emergency controller: Mr S.B Patil Incident controller: Mr Sk Kashif Observer: Dr Aparna kakkad(CMS) Col RK Shrivastava Trainer: Mr Sk Sami (Fire And Safety Officer)		
Check For:	Yes / No	Remark	
Did the team follow the emergency action plan sequence?	Yes	-	
Did hospital staff check waiting room, canteen and confined areas?	Yes	-	
Was the alarm audible?	Yes	-	
Was the head count perfect?	Yes	-	
Are key people knowledgeable in their assigned duties?	Yes	-	
Was the drill conducted in an orderly manner and maintained timeliness?	Yes	-	
Was the lift used during fire mock drill?	No	-	
Did fire brigade / police station informed during fire mock drill?	YES-NO	-	
Was the fire exit door used?	Yes	-	
Did oxygen supply cut off immediately?	Yes	-	
Did electrical supply Cut off immediately?	Yes	-	
Sr no	Observation /area of improvement	Responsibility	status
<div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  Dean MGM/MCH </div> <div style="text-align: center;">  Chief Fire Officer MGM/MCH </div> </div> <div style="display: flex; justify-content: space-around; align-items: flex-start;"> <div style="text-align: center;">  Fire & Safety officer MGM </div> <div style="text-align: center;">  Chief Engineer MGM </div> </div>			


FSW



Medical College & Hospital
 H. G. Utkal, Aurangabad - 431003 Tel: 97 0240 440255 Fax: 97 0240 310777

Fire Control Mock Drill Preventive Training Attendance Sheet

Date: 27/11/19 Trainer Name: Shailish Sami
 Time: 2:30 PM - 03:00 5408950
 Venue: SURGICAL MBF Section No:

Sr. No.	Name	Signature	Mobile No	Remark
1	J/c Abhyonkar			yes
	Safid sln			yes
2	Rubina sln			yes
3	sln. Vondha			yes
4	sln. Vasuki			yes
5	sln. Sazata			yes
6	sln. Seema			yes
7	sln. Gangra			yes
8	sln. Sanyal			yes
9	sln. Bharti			yes
10	J/c Bhuktae			yes
11	Satyashela			good
12	Kalyani A			good
13	Sakhi C.			yes
14	Swarip.			good
15	Savitri			yes
16				

 Rayanil
Department Incharge

 Sp
Fire & Safety Officer

