Maharshi Karve Stree Shikshan Samstha's

Smt. Bakul Tambat Institute of Nursing Education,

Karvenagar, Pune- 411052

QUALITY OF CARE

AND

PATIENT SAFETY PRACTICES

FOLLOWED BY TEACHING HOSPITAL

Maharshi Karve Stree Shikshan Samstha's

Smt. Bakul Tambat Institute of Nursing Education,

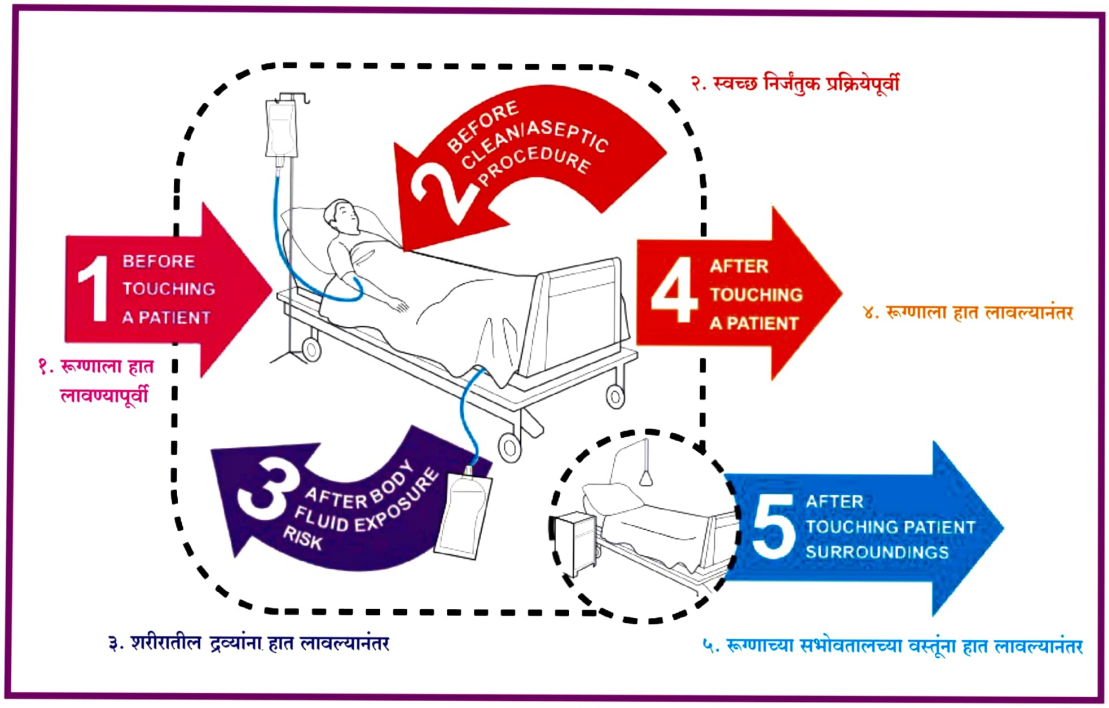
Karvenagar, Pune- 411052

List of bundle protocols for quality of care and patient safety.

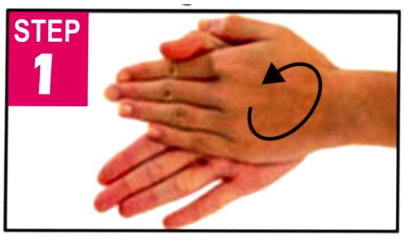
Sr. no.	Bundle Protocol
1	Hand Hygiene
2	Peripheral IV Cannulation Process
3	Central Line- Insertion Bundle
4	Central Line- Maintenance Bundle
5	Catheter associated urinary tract infection (CAUTI) Bundle
6	Ventilator associated Pneumonia (VAP) Bundle
7	Ventilator associated Pneumonia: Maintenance Bundle

Deenanath Mangeshkar Hospital & Research Center

5 Moments for Hand Hygiene

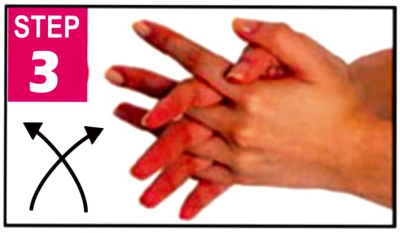


7 STEPS OF HAND HYGIENE

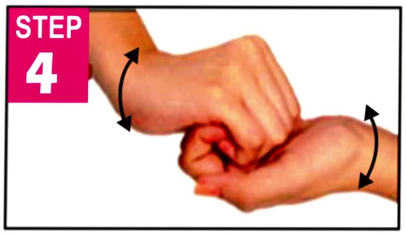


Palm to Palm
तळहात ते तळहात

Palm to back, fingers over faced
तळहाताने दुसऱ्या हाताला मागील बाजूने बोटांच्या साहाय्याने चोळणे

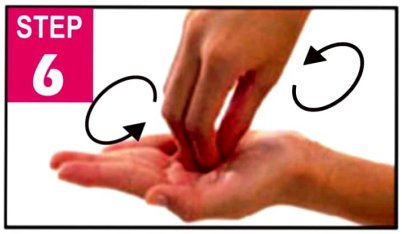


Palm to Palm, finger interlaced
तळहात आणि बोटे एकमेकांमध्ये अडकवणे

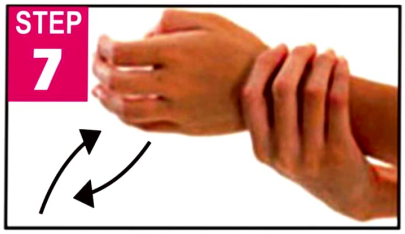


Finger interlocked
बोटे एकमेकांमध्ये अडकवणे

Rotational rubbing of thumb in palm
तळहाताने अंगठा गोलाकार पद्धतीने चोळणे



Rotational rubbing of fingers in palm
हातांची बोटे गोलाकार तळहातावर फिरवणे



Rubbing of each wrist
प्रत्येक मनगट चोळणे

Step 7 : To be washed till elbows (critical areas and invasive procedures)

- Take 2 pumps of Hand rub / Liquid antiseptic soap solution
- Each step 6 times

PERIPHERAL IV CANNULATION PROCESS

Clean IV tray and arrange all required equipment

↓

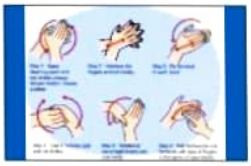
Patient identification and education

↓

Perform hand hygiene

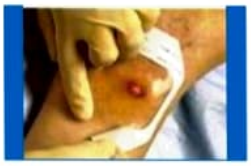
↓

Vein selection and application of tourniquet



↓

Clean and disinfectcannulation site with antiseptic (Chlorhexidine)



↓

Wear right size sterile gloves

↓

Cannulate the vein and release the tourniquet

↓

Apply sterile transparent semipermeable membrane dressing (Tegaderm) and label with date and time

↓

Attach Q Syte (Closed luer access devices)

↓

Scrub the hub of Q Syte before access with alcohol

↓

Flush the Cannula with 0.9% Normal Saline syringe

↓

Dispose used equipments appropriately

↓

Document in patient's medical record

↓

Monitor daily for IV related complications and replace if necessary

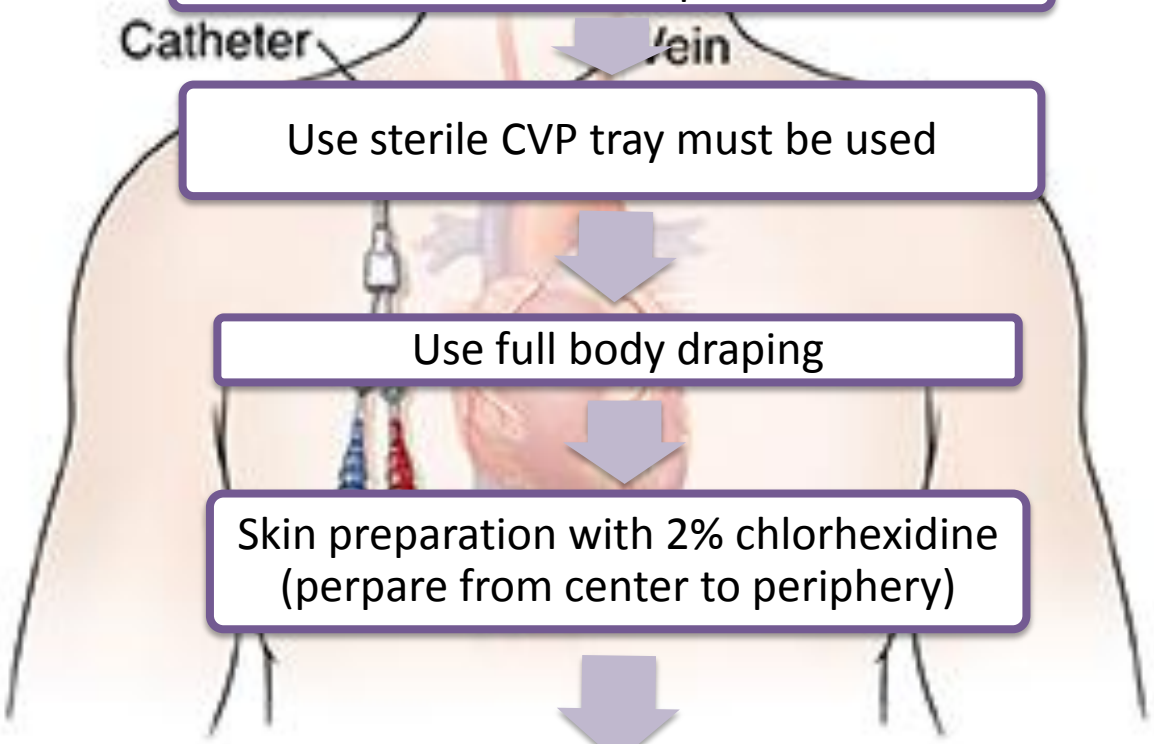
IV CATHETER MAINTENANCE BUNDLE

Hand Hygiene
Scrub the Hub
IV Sets Change According to Hospital Protocol
Flushing According to ACL Protocol

Central Line : Insertion Bundle

Hand Hygiene

Use of PPE (Cap, mask,gown and gloves), assistant must wear cap and and mask



Use sterile CVP tray must be used

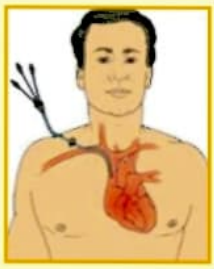
Use full body draping

Skin preparation with 2% chlorhexidine (perpare from center to periphery)

Site selection (pefer subclavian or jugular, avoid femoral)

CENTRAL LINE MAINTENANCE BUNDLE

DMH



Perform Hand Hygiene

↓

Use Aseptic Technique (All Sterile Equipment)

↓

Scrub the Hub of Q Syte with Alcohol before Access

↓

Flush with 0.9% Sodium Chloride solution and always use 10ml diameter syringe and flush5-10 ml 0.9% NaCl in every lumen

↓

Intermittent	Parenteral Nutrition	Blood Product Administration	Blood Draws	Flushing with No Therapy
Min 5 ml	5 ml	Preadmin 5 ml Postadmin 20 ml	Predraw 5 ml Postadmin 10 ml	Nonvalved-at least q 24 hrs Valved - at least weekly

↓

For Blood Sample Collection

- Collect articles required for Blood Sample Collection
- Scrub the hub of Q Syte with alcohol
- Withdraw 10 ml Blood from Q-Syte with Sterile technique and keep aside
- Take another syringe withdraw sample as required
- Flush with minimum 0.9% NaCl using 10 ml diameter syringe at each and every lumen with push-pause technique

↓

Ensure all connections are secure

↓

Clamp the lumens when not in use

↓

Cover the ports of the lumen with sterile drape

↓

Change Tegadermdressing at insertion site every 7days or when oozing, loosened, soiled

↓

Label with date & time on the dressing

↓

Do proper documentation and stabilize the patient

CATHETER ASSOCIATED URINARY TRACT INFECTION (CAUTI) BUNDLE

- Hand hygiene
- Insert the catheter following sterile techniques
- Use single use xylocaine jelly
- Secure the catheter to lower abdomen
- Collection bag should be always placed below the bladder, not resting on floor or bed (during shifting)
- Use closed drain system (Sample collecting port should be present)
- Empty the drainage bag in clean containers
- Ensure the urinary catheter is free of kinking
- Provide perineal care with normal salinetwice a day
- Use Gloves and other PPE's during manipulation of catheter or collection bag
- Assess the need for indwelling urinary catheter

VENTILATOR ASSOCIATED PNEUMONIA (VAP) BUNDLE

- Hand hygiene
- Sedation vacation
- Trial for weaning and decannulation daily
- Provide semirecumbent position (30-45 degree)
- Subglottic suctioning connected with adequate pressure (45-50 mm H_2O)
- Maintain Endotracheal cuff pressure between 20-40 mm H_2O
- Use new catheters every time for Oral suction
- Use Separate oral care brush for every patient and stored clean and dry
- Use inline suction
- Keep fluid in Inline suction apparatus dry and sterile
- All respiratory therapy equipments to be kept dry and sterile
- Use inspiratory filter
- Provide enteral feeding
- Consider declaration of antibiotics or narrow spectrum antibiotics

Ventilator associated pneumonia: Maintenance bundle

- Hand Hygiene
- Sedation vacation
- Daily trial to be given for weaning and decannulation
- Semirecumbent position to be maintained (30-45 degrees)
- Subglottic suctioning to be maintained with adequate pressure (45-50 mmHg)
- Maintain endotracheal cuff pressure (20-35 cmH_2O)
- New catheters to be used for oral suctioning everytime
- Oral care to be given with cholrhexidine
- Use inline suction apparartus and keep it clean and dry
- All respiratory equipment to be kept clean and dry
- Inspiratory filter to be used
- Provide enteral feeding
- Consider de-escalation of antibiotics

Maharshi Karve Stree Shikshan Samstha's

Smt. Bakul Tambat Institute of Nursing Education,

Karvenagar, Pune- 411052

NABH CERTIFICATE FOR

PATIENT SAFETY AND QUALITY OF CARE

National Accreditation Board for Hospitals & Healthcare Providers

(Constituent Board of Quality Council of India)

For Patient Safety & Quality of Care

Deenanath Mangeshkar Hospital and Research Center
Near Mhatre Bridge, Erandawane
Pune - 411004, Maharashtra

The award of NABH Accreditation means that the organisation ensures:

1. **Commitment to create a culture of quality, patient safety, efficiency and accountability towards patient care.**
2. **Establishment of protocols and policies as per National/International Standards for patient care, medication management, consent process, patient safety, clinical outcomes, medical records, infection control and staffing.**
3. **Patients are treated with respect, dignity and courtesy at all times.**
4. **Patients are involved in care planning and decision making.**
5. **Patients are treated by qualified and trained staff.**
6. **Feedback from patients is sought and complaints (if any) are addressed.**
7. **Transparency in billing and availability of tariff list.**
8. **Continuous monitoring of its services for improvement.**
9. **Commitment to prevent adverse events that may occur.**

Maharshi Karve Stree Shikshan Samstha's

Smt. Bakul Tambat Institute of Nursing Education,

Karvenagar, Pune- 411052

MAHARASHTRA POLLUTION CONTROL BOARD

CERTIFICATE

MAHARASHATRA POLLUTION CONTROL BOARD
REGIONAL OFFICE – PUNE

Phone : 020-25811627
Fax : 020-25811701

Email : ropune@mpcb.gov.in
Visit At : http://mpcb.gov.in

Jog Center, 3rd floor, Mumbai Pune Road, S.No. 21/5, F.P.No.28, Wakdewadi, Shivajinagar, Pune - 411003

LETTER OF BIO-MEDICAL WASTE AUTHORISATION

[Authorisation for Generation, Storage, Disposal of Bio-Medical Wastes under Rule 7(4)]

I. File number of authorisation and date of issue

MPCB/ROP/BMW-AUTH/ 20080001174 **/2020 Date** 14/08/2020

II. **M/s MAI MANGESHKAR Hospital** is hereby granted an authorization for generation of biomedical waste on the premises situated, **117/1, NEAR BAIF, MUMBAI BANGALORE HIGHWAY, WARJE, PUNE 411058**

III. This authorisation shall be in force for a period up to **31.03.2025**

An application shall be made by the occupier/operator for renewal 3 Months before expiry of earlier authorisation.

IV. This authorisation is issued subject to compliance of the conditions stated below and to such other conditions as may be specified in the Rules for the time being in force under the Environment (Protection) Act, 1986.

V. No of Beds: 45

Terms and Conditions of authorisation

1. The authorized Person shall comply with the provisions of the Environment (Protection) Act, 1986, and the Rules made there under.
2. The authorisation shall be produced for inspection at the request of an officer authorized by the prescribed authority.
3. i) The authorized person shall not rent, lend or sell the biomedical waste or facility.

   ii) The authorized person can transfer the BMW generated at above premises to the "Transporter" or "Operator of Facility" authorized by MPCB under Bio-Medical Waste (Management and Handling) Rules, 1998 for collection, transportation, treatment and/or disposal of BMW generated.
4. Any unauthorized change in equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of this authorisation.
5. It is the duty of the authorized person to take prior permission of the prescribed authority to close down the facility.

REGIONAL OFFICER PUNE M.P.C.BOARD

6. The authorisation is granted for generation of Bio-Medical Waste (BMW) in waste categories and quantities listed here in below:

Sr. No.	Category	Description	Quantity not to exceed (Kg/M)	Segregation Colour coding	Treatment & Disposal
1	Yellow	Human Anatomical Waste	133	Yellow	Incineration
		Solied Waste: Items contaminated with blood	158.16	Yellow	
		Expired or Discarded Medicine		Yellow	Incineration
		Clinical Laboratory Waste		Yellow	Incineration
		Chemical Liquid Waste	As per Actual	Separate collection system leading to ETP	After resource recovery, the chemicals liquid waste shall be pre-treated before mixing with other wastewater. The combine discharge shall confirm to discharge norms given in Schedule III of BMW Rules
		X-ray hypo solution (fixture)			
2	Red	Contaminated Waste(Recyclable)	87.613	Red	Autoclaving followed by shredding
3	Blue	Waste Sharps	3.528	Blue / white translucent	Disinfection (chemical treatment)and mutilation / shredding

No onsite treatment of BMW is permitted. The above mentioned Bio medical Waste shall be sent to Common BMW Treatment & Disposal facility i.e. **M/s.PASSCO ENVIRONMENT SOLUTION, ERANDWANE, BEHIND ELSON PHRMACEUTICALS, PUNE 411004 authorized by MPCB**

7. The hospital authority shall proper collection of mercury spillage arising due to breakage of thermometer, pressure gauges & other equipments used in health care facilities as well as the storage shall be in accordance with Hazardous Waste (Management, Handling & Transboundry Movement) Rules, 2008 and returning it to instrument manufacturing apart from taking necessary steps to ensure that the spilled mercury does not become a part of Bio-Medical Waste or other solid waste generated from Health Care Facilities.

8. The liquid/solid waste generated from the treatment activity (from laboratory and washing, cleaning, housekeeping and disinfecting activities) shall be treated suitably by providing effluent treatment facility to conform the standards prescribed in Schedule V of said Rules and the Environment (Protection) Act, 1986.

(i) The daily quantity of trade effluent shall not exceed 1.0 M^3

(ii) The daily quantity of sewage effluent shall not exceed 10.0 M^3

9. BMW shall be treated and disposed of in accordance with Schedule I; and in compliance with the standards prescribed in Schedule V of said Rules.

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

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

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

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

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

11. Standards for waste autoclaving:
The autoclave should be dedicated for the purposes of disinfecting and treating Bio- Medical Waste,

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

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

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

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

(II) When operating a vacuum autoclave, medical waste shall be subjected to a minimum of one pre-vacuum pulse to purge the autoclave of all air. The waste shall be subjected to the following.

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

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

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

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

(V) *Validation test: Spore testing.* – The autoclave should completely and consistently kill the approved biological indicator at the maximum design capacity of each autoclave unit. Biological indicator for autoclave shall be Bacillus stearothermophilus spores using vials or spore strips, with at least 1x 10^4 spores per milliliter. Under no circumstances will an autoclave have minimum operating parameters less than a residence time of 30 minutes, regardless of temperature and pressure, a temperature less than 121 C° or a pressure, less than 15 psi.

(VI) Routine Test.—A chemical indicator strip/tape that changes color when a certain temperature is reached can be used to verify that a specific temperature has been achieved. It may be necessary to use more that one strip over the waste package at different location to ensure that the inner content of the package has been adequately autoclaved.

12. Every 'Authorized Person' shall submit an Annual Report to the prescribed authority in Form-II by 31st January every year including information about the categories and quantities of BMW handled during the preceding year.

13. (i) Every 'Authorized Person' shall maintain records related to the generation, collection, reception, storage, transportation, treatment, disposal and/or any form of handling of BMW in accordance with these Rules and any guidelines issued.

(ii) All records shall be subject to inspection and verification by the prescribed authority at any time.

14. When any accident occurs at any institution or facility or any other site where BMW is handled or during transportation of such waste, the authorized person shall report the accident in Form III to the prescribed authority forthwith.

15. **You Shall Obatin Separate Consent under water (Prevention &Control of Pollution) Act,1974&Air (Prevention &Control of Pollution)Act,1981**

16. The applicant shall submit Bank Guarantees at the Regional Office, M.P.C. Board, Pune within 15 days of the date of issue of Authorization. The Bank Guarantee(s) shall be valid up to validity **30.06.2025**of this authorization. The details of Bank Guarantees to be submitted are as below.

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	25,000/-
I (B)	**Records**		
1	To Maintain records of BMW, generation, transportation, treatment & disposal and submission of Annual Report in Form –II before 31st January every year.	Continuous	15,000/-
II	**Performance**		
1	To provide Separate BMW storage facility As per guidelines of CPCB.	Six	25,000/-
2	Towards Operation & Maintenance of pollution control systems.	Continuous	25,000/-
3	Effluent Treatment Plant Not provided	Six	50000/-

17 The Occupier will obey all the lawful instructions issued by the Board Officers from time to time

For and on behalf of the
Maharashtra Pollution Control Board

REGIONAL OFFICER PUNE M.P.C.BOARD

(Dr.J.B.Sangewar)
Regional Officer, Pune

To,
M/s MAI MANGESHKAR Hospital.
117/1, NEAR BAIF, MUMBAI BANGALORE HIGHWAY,
WARJE, PUNE 411058

Authorization Fees Received:-

Sr. No.	Amount (Rs.)	Transaction No.	Date
1.	12500/-	TXN2002001880	19-02-2020

Copy to:
Chief Accounts Officer, MPCB, Mumbai

ANNEX-12

मुमादामु. ११९२ (१०० पानी ३० पुस्तके) १२-०९

आरोग्य/अन्न परवाना

पुणे महानगरपालिका
PUNE MUNICIPAL CORPORATION

सन १९४९ च्या दि बॉम्बे नर्सिंग होम्स रजिस्ट्रेशन ॲक्टच्या कलम ५ अन्वये दिलेले रजिस्ट्रेशन सर्टिफिकेट

Certificate of Registration under Section 5 of the Bombay Nursing Homes Registration Act, 1949

(नियम ५ अन्वये) (Under Rule 5)

क्रमांक No. : № 2342

दि बॉम्बे नर्सिंग होम्स रजिस्ट्रेशन ॲक्ट, १९४९ अन्वये श्री. / श्रीमती .... यांचे येथील नर्सिंग होम / मॅटर्निटी होम रजिस्टर केले असून सदरचे नर्सिंग होम व मॅटर्निटी होम चालविण्यास परवाना देण्यात येत आहे.

This is to certify that Shri / Shrimati .... has been registered under the Bombay Nursing Homes Registration Act, 1949 in respect of .... situated at .... and has been authorised to carry on the said Nursing Home.

रजिस्ट्रेशन क्र. Registration No.	LCBP-0506-01728	प्रसुतीसाठी Maternity		कॉट्स Cots
रजिस्ट्रेशन दि. Date of Registration		इतर रुग्णांसाठी Other Nursing Patients		कॉट्स Cots
ठिकाण Place	पुणे			

सर्टिफिकेट दिल्याचा दिनांक Date of issue of Certificate :

सदरचे सर्टिफिकेट दिनांक ३१ मार्च 2029 पर्यंत कार्यवाहीत राहील.

This Certificate shall be valid up to 31st March ....

डॉ. वैशाली जाधव

आरोग्यप्रमुख, पुणे महानगरपालिका सहाय्यक आरोग्य अधिकारी

Medical Officer of Health, Pune Municipal महानगरपालिका

कुटुंब नियोजन शस्त्रक्रीया गर्भपात शस्त्रक्रिया यामध्ये रुग्णाचा मृत्यू झाला तर तात्काळ मेडिकल ऑफिसर हेल्थ पुणे म.न.पा. आणि सर्कल एक-डेप्युटी डायरेक्टर ऑफ हेल्थ पुणे यांना लेखी कळविणे आवश्यक आहे.

आरोग्य प्रमुख

TRUE COPY

PRINCIPAL
M K S S S B T Institute of Nursing Education
Karvenagar, Pune-411052.

MAHARASHTRA POLLUTION CONTROL BOARD

Tel: 24010706/24010437
Fax: 24023516
Website: http://mpcb.gov.in
Email: cac-cell@mpcb.gov.in

Kalpataru Point, 2nd and 4th floor, Opp. Cine Planet Cinema, Near Sion Circle, Sion (E), Mumbai-400022

RED/L.S.I
No:- Format1.0/CAC/UAN
No.0000109747/CR/2205000718

Date: 12/05/2022

To,
LMMF's Deenanath Mangeshkar Hospital & Research Center
8+13/2,Near Mhatre Bridge, Erandawane, Pune.

Your Service is Our Duty

Sub: Consent to Renewal

Ref:
1. Combine Consent and Bio-Medical Authorization granted by the Board vide no. BO/UAN NO. 54138/CAC-1905001136 DTD. 14.05.2019.
2. Your application for Combine Consent and Bio-Medical Authorization dated 05.03.2021.
3. The minutes of Consent Appraisal Committee meeting dated 03.12.2021.

Combined Consent to Renewal and BMW Authorization.

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

1. **The Combined Consent to Renewal and BMW authorization is granted upto: 31.03.2023**
2. **The capital investment of the project is Rs.471.11 Crs. (As per C.A Certificate submitted by industry Existing-Rs. 389.361 Crs + Expansion/Increase in C.I. – Rs. 81.749 Crs).**
3. **The Consent is valid for the Activity of**

Sr No	Activity	Quantity	UOM
1)	Hospital		
a)	Beds	876	Nos
b)	Total Plot Area	24000.00	Sq.Mtrs
c)	Total Built up Area	57798.00	Sq.Mtrs

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

Sr No	Description	Permitted (in CMD)	Standards to Acheive	Disposal
1.	Trade effluent	26	As per Schedule -I	After primary treatment in STP.

Sr No	Description	Permitted (in CMD)	Standards to Acheive	Disposal
2.	Domestic effluent	306	As per Schedule - I	The Treated trade & domestic effluent shall be 60% recycled for secondary purpose such as toilet flushing, air conditioning, cooling tower make up, firefighting etc. and remaining shall use on land/cooected to the sewerage system provided by local body.

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

Sr.No	Description of stack / source	Number of Stack	Standards to be achieved
1	DG Set (500 KVA)	1	As per Schedule -II
2	DG set (910 KVA X 2)	1	As per Schedule -II

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

Sr No	Type of Waste	HW Category.	Quantity	UoM	Treatment	Disposal
1	5.1 Used or spent oil	5.1	3.33	Lit/Day	Recycle	By Authorized Recycler
2	35.3 Chemical sludge from waste water treatment	35.3	15	Kg/Day	Landfill	CHWTSDF

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

Sr No	Type of Waste	Quantity	UoM	Treatment	Disposal
1	Dry Waste	1800	Kg/Day	Segregation & Disposal	To Municipality
2	Wet Waste	150	Kg/Day	Composting	Composting and fertilizers

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

Sr.No	Category	Type of Waste	Quantity not to exceed (Kg/M)	Segregation Color coding	Treatment & Disposal
1	Yellow	a) Human Anatomical waste	1.87	Yellow colored non-chlorinated plastic bags	CBMWTSDF
		b) Animal Anatomical Waste	0.00		
		c) Soiled Waste	12561.05		
		d) Expired or Discarded Medicines	0.14		
		e) Chemical Waste	0.00		
		f) Chemical Liquid Waste	0.00	Separate collection system leading to effluent treatment system	
		g) Discarded linen, mattresses, beddings contaminated with blood or body fluid.	3.23		
		h) Microbiology Biotechnology and other clinical laboratory waste	448.63		

Sr.No	Category	Type of Waste	Quantity not to exceed (Kg/M)	Segregation Color coding	Treatment & Disposal
2	Red	Contaminated waste (Recyclable)	803.27	Red colored non chlorinated plastic bags or containers	CBMWTSDF
3	White (Translucent)	Waste sharps including Metals	374.18	Puncture proof, Leak proof, tamper proof container	CBMWTSDF
4	Blue	a) Glassware	1926.83	Puncture proof & leak proof boxes or containers with blue colored marking.	CBMWTSDF
		b) Metallic body implants	0.00		

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

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

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

    a. The "authorized Person" shall comply with provisions of the Environment (Protection) Act, 1986, and the Rules made there under.
    b. Any unauthorized change in equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of this Authorization.
    c. You shall submit details of Management and Handling of outdated, discarded, unused Cytotoxic drugs generated in the Cancer centers, research and health care in the format prescribed by CPCB which is available on www.cpcb.nic.in alongwith Annual Report to MPCB with a copy to CPCB before 31st January every year.

d. You shall manage the Mercury Waste in the HCE in environmentally sound manner (including storage, spilled collection, transportation and disposal) as per CPCB guidelines published on CPCB website www.cpcb.nic.in dated: 07.09.2010 as detailed in document entitled “Environmentally Sound Management of Mercury Waste in Health Care Facilities"?.

e. You shall ensure phase out of chlorinated plastic bags, gloves and blood bags by HCEs within two years.

f. You shall establish Bar code system within one year.

g. You shall ensure that the liquid waste is treated and disposed by all the occupier or operator of a CBWTF in accordance with the Water Act, 1974;

h. You shall maintain day to day basis and display the monthly record Including Annual report on its website within two years from the date of Notification.

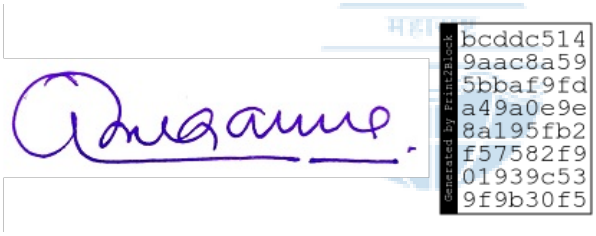
i. You shall submit separate Bank Guarantees towards compliance of condition mentioned at Annexure – IV to Regional Office, within 30 days.

j. You shall submit compliance of Bank Guarantee conditions every six months to Regional Officer, for verification purpose.

k. You shall submit application for renewal of Combined Consent and Biomedical Waste authorization before 120 days along with appropriate fees.

11. This Board reserves the right to review, amend, suspend, revoke etc. this consent and the same shall be binding on the industry.

12. This consent should not be construed as exemption from obtaining necessary NOC/permission from any other Government agencies.



Signed by: Ashok Shingare
Member Secretary
For and on behalf of,
Maharashtra Pollution Control Board
ms@mpcb.gov.in
2022-05-12 12:54:37 IST

Received Consent fee of -

Sr.No	Amount(Rs.)	Transaction/DR.No.	Date	Transaction Type
1	1884440.00	TXN2103000219	02/03/2021	Online Payment
2	125000.00	TXN2105000484	07/05/2021	Online Payment
3	38498.00	TXN2204003124	26/04/2022	Online Payment
4	30000.00	TXN2103000221	02/03/2021	Online Payment

Copy to:

1. Regional Officer, MPCB, Pune and Sub-Regional Officer, MPCB, Pune I
- They are directed to ensure the compliance of the consent conditions.
- They are directed to forfeit the bank guarantee of Rs. 25000 for exceedance of JVS.
2. Cheif Accounts Officer, MPCB,Sion, Mumbai
3. CC/CAC Desk for record & website updation purposes.

SCHEDULE-I

Terms & conditions for compliance of Water Pollution Control:

1. A] As per your application, you have provided primary treatment for trade effluent and after that provided STP of capacity 375 CMD.

   B] The Applicant shall operate the effluent treatment plant (ETP) to treat the trade effluent so as to achieve the following standards prescribed by the Board or under EP Act, 1986 and Rules made there under from time to time, whichever is stringent:

Sr.No	Parameters	Standards
	I. Compulsory Parameters	Limiting Concentration in mg/l, except for pH
(1)	pH	5.5 to 8.5
(2)	Oil & Grease	10 mg/l
(3)	BOD (3 days 27°C)	30 mg/l
(4)	Total Suspended Solids	100

   C] The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise and remaining shall be disposed in sewerage system provided by local body. In no case, sewage shall find its way for gardening / outside hospital premises.

2. A] As per your application, you have provided Sewage Treatment Plant of designed capacity 375 CMD for the treatment of 306 CMD of sewage.

   B] The Applicant shall operate the sewage treatment system to treat the sewage so as to achieve the following standards.

1	BOD	Not to exceed	10 mg/lit
2	SS	Not to exceed	100 mg/lit

   C] The treated sewage shall be recycled for secondary purposes to the maximum extent and remaining shall be discharged on land for gardening within premise and remaining shall be disposed in sewerage system provided by local body. In no case, sewage shall find its way for gardening / outside hospital premises.

3. The Board reserves its rights to review plans, specifications or other data relating to plant setup for the treatment of waterworks for the purification there of & the system for the disposal of sewage or trade effluent or in connection with the grant of any consent conditions. The Applicant shall obtain prior consent of the Board to take steps to establish the unit or establish any treatment and disposal system or an extension or addition thereto.
4. The industry shall ensure replacement of pollution control system or its parts after expiry of its expected life as defined by manufacturer so as to ensure the compliance of standards and safety of the operation thereof.

5. The Applicant shall comply with the provisions of the Water (Prevention & Control of Pollution) Act, 1974 and as amended, by installing water meters and other provisions as contained in the said act:

Sr. No.	Purpose for water consumed	Water consumption quantity (CMD)
1.	Industrial Cooling, spraying in mine pits or boiler feed	0.00
2.	Domestic purpose	227.00
3.	Processing whereby water gets polluted & pollutants are easily biodegradable	32.00
4.	Processing whereby water gets polluted & pollutants are not easily biodegradable and are toxic	0.00
5.	Gardening	25

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

SCHEDULE-II

Terms & conditions for compliance of Air Pollution Control:

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

Stack No.	Stack Attached To	APC System	Height in Mtrs.	Type of Fuel	Quantity & UoM	S%	SO_2
1	DG Set (500 KVA)	Acoustic Enclosure	9	Diesel	151 Kg/Hr	1.00	72.48
2	DG set (910 KVA)	Acoustic Enclosures	9	Diesel	151 Kg/Hr	1.00	72.48
3	DG set (910 KVA)	Acoustic Enclosures	9	Diesel	151 Kg/Hr	1.00	72.48

2. The applicant shall provide stack height of mtrs operate and maintain above mentioned air pollution control system, so as to achieve the level of pollutants to the following standards:

Total Particulate matter	Not to exceed	150 mg/Nm^3

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 sitting and control measures.

d) Installation of DG Set must be strictly in compliance with recommendations of DG Set manufacturer.

e) A proper routine and preventive maintenance procedure for DG set should be set and followed in consultation with the DG manufacturer which would help to prevent noise levels of DG set from deteriorating with use.

f) D.G. Set shall be operated only in case of power failure.

g) The applicant should not cause any nuisance in the surrounding area due to operation of D.G. Set.

h) The applicant shall comply with the notification of MoEF dated 17.05.2002 regarding noise limit for generator sets run with diesel.

SCHEDULE-III

Details of Bank Guarantees:

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

** The above Bank Guarantee(s) shall be submitted by the applicant in favour of Regional Officer at the respective Regional Office within 15 days of the date of issue of Consent. **# Existing BG obtained for above purpose if any may be extended for period of validity as above.**

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

Sr.No	Activity / Condition to be Complied	Compliance Timeline(Months)	Bank Guarantee Amount
1A	Performance		
1	To Segregate and Handle BMW as per Rule	Continuous	500000
2	To provide BMW separate storage facility as per guidelines of CPCB	Continuous	500000

Sr.No	Activity / Condition to be Complied	Compliance Timeline(Months)	Bank Guarantee Amount
1B	Operation and Maintenance		
1	Towards Operation and Maintenance of STP/ETP to achieve prescribed discharge standards	Continuous	500000
2	Records		
1	To Maintain records of BMW and submission of Annual Report in Form –II before 31st January	Continuous	500000
2	To maintain records of BMW material delivered to CBMWTSDF	Continuous	500000

BG Forfeiture History

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

BG Return details

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

SCHEDULE-IV

General Conditions:

1. You shall provide facility for collection of environmental samples and samples of trade and sewage effluents, air emissions and hazardous waste to the Board staff at the terminal or designated points and shall pay to the Board for the services rendered in this behalf.
2. You should monitor effluent quality, stack emissions, noise and ambient air quality quarterly
3. You shall provide ports in the chimney/(s) and facilities such as ladder, platform etc. for monitoring the air emissions and the same shall be open for inspection to/and for use of the Board's Staff. The chimney(s) vents attached to various sources of emission shall be designated by numbers such as S-1, S-2, etc. and these shall be painted/ displayed to facilitate identification.
4. Whenever due to any accident or other unforeseen act or even, such emissions occur or is apprehended to occur in excess of standards laid down, such information shall be forthwith Reported to Board, concerned Police Station, office of Directorate of Health Services, Department of Explosives, Inspectorate of Factories and Local Body. In case of failure of pollution control equipments, the production process connected to it shall be stopped.
5. You shall provide an alternate electric power source sufficient to operate all pollution control facilities installed to maintain compliance with the terms and conditions of the consent. In the absence, the applicant shall stop, reduce or otherwise, control production to abide by terms and conditions of this consent.

6. You shall submit, the Environmental Statement Report for the financial year ending 31st March in the prescribed Form-V as per the provisions of rule 14 of the Environment (Protection) (Second Amendment) Rules, 1992 to Regional Office, , the 30th day of September every year.
7. You shall recycle/reprocess/reuse/recover Hazardous Waste as per the provision contain in the HW (MH&TM) Rules 2008, which can be recycled /processed /reused /recovered and only waste which has to be incinerated shall go to incineration and waste which can be used for land filling and cannot be recycled/reprocessed etc should go for that purpose, in order to reduce load on incineration and landfill site/environment.
8. You shall comply with the Hazardous Waste (M, H & TM) Rules, 2008 and submit the Annual Returns to RO- as per Rule 5(6) & 22(2) of Hazardous Waste (M, H & TM) Rules, 2008 for the preceding year April to March in Form-IV by 30th June of every year.
9. An inspection book shall be opened and made available to the Board's officers during their visit to the HCE.
10. You shall strictly comply with the Water (P&CP) Act, 1974, Air (P&CP) Act, 1981 and Environmental Protection Act, 1986 and industry specific standard under EP Rules 1986 which are available on MPCB website (www.mpcb.gov.in).
11. You shall constitute an Environmental cell with qualified staff/personnel/agency to see the day to day compliance of consent & authorization condition towards Environment Protection.
12. Separate drainage system shall be provided for collection of trade and sewage effluents. Terminal manholes shall be provided at the end of the collection system with arrangement for measuring the flow. No effluent shall be admitted in the pipes/sewers downstream of the terminal manholes. No effluent shall find its way other than in designed and provided collection system.
13. Neither storm water nor discharge from other premises shall be allowed to mix with the effluents from the HCE.
14. You shall install a separate meter showing the consumption of energy for operation of domestic and industrial effluent treatment plants and air pollution control system. A register showing consumption of chemicals used for treatment shall be maintained.
15. You should not cause any nuisance in surrounding area.
16. You shall take adequate measures for control of noise levels from its own sources within the premises so as to maintain ambient air quality standard in respect of noise to less than 75 dB (A) during day time and 70 dB (A) during night time. Day time is reckoned in between 6 a.m. and 10 p.m. and night time is reckoned between 10 p.m. and 6 a.m.
17. You shall maintain good housekeeping.
18. You shall bring minimum 33% of the available open land under green coverage/ plantation. The applicant shall submit a yearly statement to Regional Office by 30th September every year on available open plot area, number of trees surviving as on 31st March of the year and number of trees planted by September end.
19. The non-hazardous solid waste arising in the factory premises, sweepings, etc. be disposed of scientifically so as not to cause any nuisance / pollution. The applicant shall take necessary permissions from civic authorities for disposal of solid waste.

20. You shall not change or alter the quantity, quality, the rate of discharge, temperature or the mode of the effluent/emissions or hazardous wastes or control equipments provided for without previous written permission of the Board. You will not carry out any activity, for which this consent has not been granted/without prior consent of the Board.
21. You shall submit Six Monthly statement in respect of obligation towards consent and pollution control compliance's duly supported with documentary evidences (format can downloaded from MPCB official site).
22. You shall submit official e-mail address and any change will be duly informed to the MPCB, forthwith.
23. You shall achieve the National Ambient Air Quality standards prescribed vide Government of India, Notification dtd. 16.11.2009 as amended
24. You shall observe provisions of E-waste (Management and Handling) Rules 2011 and Battery Waste (Management and Handling) Rules 2001, as amended.

This certificate is digitally & electronically signed.

Maharshi Karve Stree Shikshan Samstha's

Smt. Bakul Tambat Institute of Nursing Education

Karvenagar, Pune- 411052

CERTIFICATE

OF

APPROVAL

(Chaitnya Institute of Mental Health)

IRCLASS
SYSTEMS AND SOLUTIONS PRIVATE LIMITED

CERTIFICATE OF APPROVAL

Issued by Indian Register Quality Systems
(A Division of IRCLASS Systems and Solutions Private Limited)

This is to certify that the Quality Management Systems of

Organisation:	Chaitanya Institute for Mental Health
Address:	H.O. & Site : Bhagat Puram, Srv. No. 31/A, Kondhwa BK, Near Khadi Machine Chowk, Pune - 411 048, Maharashtra, India 4 - Sites
Support Location & Scope:	Refer Annexure

has been assessed and found conforming to the following requirement

Standard:	ISO 9001:2015
Scope:	Provision of Psychosocial Rehabilitation Programs, De Addiction & Rehabilitation Programs, Geriatric and Dementia Care
Certificate No.:	IRQS/190100774
Original Certification Date :	07/09/2016
Current Date of Granting :	06/09/2019
Expiry Date :	05/09/2022

Indian Register Quality Systems
MGMT SYS
RvA C 171

Shashi Nath Mishra
Head IRQS

This approval is subject to continued satisfactory maintenance of the Quality Management Systems of the organization to the above standard,which will be monitored by IRQS.The use of the Accreditation Mark indicates accreditation with respect to activities covered by the certificate with accreditation no.C071. Condition Overleaf

CDA/IRQS/RvA/QMS/Rev 00