BIOMEDICAL WASTE MANAGEMENT Details

Page no1-6



Sr.No./D.N.J. 04/08/04/ 2020.

For Ahmednagar Marchants Co-op. Bank Ltd.Market Yard Br.

Authorised Signatory

The Alternodiasgar Morchants Go-Op Bank Ltd., Navket Vard Strack, Plot Ve. 23, Harket Vard, Station Road, Alexandrasgar

0-5/STP(V)/C.R.1050/01/05/ 1897-1200





AGREEMENT

DIRECTOR

M/s. Bioclean System (India) Pvt. Ltd. Common Bio-Medical Waste Management Treatment and Disposal Facility, Nagar- Pune Road, Burudgoan, Ahmednagar.

BETWEEN

DEAN Dr. Vikhe Patil Memorial Hospital & Medical College, Vadgaon Gupta, Post- MIDC, Ahemednagar- 414111.

PACherdaller

PRINCIPAL Dr.V.V.P.P's College of Nursing Ahmednagar





Common Bio-Medical Waste Management and Disposal Project, Ahmednagar.

This agreement entered into on the 9st day of April, 2020, at Dean, Dr. Vikhe Patil Memorial Hospital & Medical College, Vadgaon Gupta, Post- MIDC, Ahmednagar -414111.

M/s. Bioclean System (India) Pvt. Ltd.

Common bio-Medical Waste Management Treatment and Disposal Facility, Nagar-Pune Road Burudgoan, Ahemdnagar.

AND

Dean, Dr. Vikhe Patil Memorial Hospital & Medical College, Vadgaon Gupta, Post-MIDC, Ahmednagar- 414111.

(Hereinafter to as the GENERATOR) represented by whereas M/s. Bioclean System (India) Pvt. Ltd. a Common Bio- Medical Waste Management Treatment and Disposal Facility, Nagar- Pune, Road Burudgoan, Ahmednagar has setup a common facility at Ahmednagar for collection, reception, storage, transportation, treatment and disposal of Bio-Medical Waste (Herein after called as BMW) generated by the Health Care Establishment (HCEs- Hospitals Nursing Clinics, Diagnostics Centers etc.)

Where M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar offers to provide services to the GENERATOR on a user pay principal for collection transportation treatment and disposal of BMW at following rate.

Total Beds-680 Rate per day per Bed Rs. 5/- (Rupees: Five only)

Whereas M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar undertakes the liability of collection transportation treatment and disposal of BMW the GENERATOR shall undertake to adhere to this contract of services by M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar for a minimum on month to other party.

Whereas the GENERATOR is a hospital and agrees to avail the service being provided by M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar with the terms and conditions as listed on succeeding paras:

RESPONSIBILITIES OF SERVICE PROVIDER:

 M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar shall meet the rules and regulation stipulated by Maharashtra Pollution Control Board (MPCB) from time to time and GENERATOR shall not be liable for handling and Management rules of BMW.

2) M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar alone is liable for violation of the Environment (Protection) act 1086 and the relevant rules made there under after collection of BMW from the GENERATOR unit as per the agreement terms and condition.

3) M/s. Bioclean System (India) Pvt. Ltd. Ahmednager shall collect BMW from hospital on day-to-day basis i.e. within 24 hrs. In case of failure to collect BMW within 48 hours, the M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar shall be informed by the GENERATOR to strictly collect BMW within the next 24 hours.



PRINCIPAL Dr.V.V.P.F's College of Nursing Ahmednagar

delias



4) M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar shall collect the segregated Bio-Medical Waste from the identified site in the hospital.

5) M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar shall transport the segregated waste in closed container vehicle to the treatment plant.

6) The initial training about segregation of BMW in color bio. degradable plastic bags & methods of collection of BMW by M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar shall be provided M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar at no extra cost GENERATOR will have to depute their authorized personnel to M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar Training center.

 M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar shall schedule the field visits for collecting the waste in consultation with the hospital which would be notified in advance.

8) M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar shall attend to all the complaints with in the shortest time possible.

 M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar promises to keep high standard of pollution control and shall update its equipment/ facility and when required.

10) M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar will not be liable for environment (Protection) Act 1986 or any similar regulations/norms set up Maharashtra Pollution Control Board, Government Bodies in the event the GENERATOR violates any of the terms and conditions of this agreement.

 M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar shall be responsible for appropriate treatment and shredding of disinfected waste at the centralized facility as per schedule 1 of the BMW (M & H) rules 1998.

12) M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar shall also undertake testing of treated waste to safety to the environment.

13) M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar shall be responsible for the disposal of treated waste into secured landfitts or in recycling plants.

14) M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar will provide BMW collection and transportation services and the biodegradable plastics bags will be purchased by the generator from approved vendor as stipulated by the ministry of bags should be made any vendor approve.

Red colored Begs: Would contain following categories of Waste :- Microbiology & Bio-Technology Waste, Soiled waste and solid waste. These waste products would be meant for autoclaving.

Soiled Waste:- Items contain following with blood & body fluids including cotton dressing soiled plaster casts & other material contaminated with blood.

Soiled Waste:- this waste generated from disposable items other than waste sharps, such as tubing, catheters, intravenous set etc.

White Bags: - Would contain waste sharps such as needle, syringes, scalpels, blades and broken glass items etc.

Yellow Bags:- Would contain human anatomical waste such as human tissue, organs, body parts etc.

15) M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar will provide BMW collection and transportation services and the generator will make available non-





Anometrager (M.S.) Reg No. 1501 Marchaelun

Dr.V.V.P.F's College of Nursing Ahmednagar chlorinated plastics bags for colleting solid materials placenta amputated body part etc. That shall be incinerated by the M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar.

16) M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar will provide BMW collection and transportation services and the generator will make available containers for sharps needles and glasses etc.

RESPONSIBLITIES OF THE GENERATOR

 The GENERATOR shall segregate the waste at the point of generation it accordance with the BMW (M & H) rules 1998 and in compliance with the standard prescribed there under.

 The GENERATOR shall collect the segregated BMW in Bio-Degradable plastics bags as stipulated by ministry of Environment and forest vide notification date 20th July 1998.

 All the bags shall be sealed tightly by the GENERATOR and M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar will collect the sealed designated point in the hospital.

 The GENERATOR shall take all steps to ensure the waste is handling without adverse effects to human and environment.

5) The GENERATOR shall establish a common secured waste collection within the hospital for collection and final disposal to M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar at common Bio-Medical Waste Treatment Facility.

6) The GENERATOR shall furnish annual report regarding general collection, storage, transportation and disposal of Bio-Medical Waste if prescribed format to Maharashtra Pollution Control Board, Nashik.

The GENERATOR shall maintain all the relevant records and make report of the accidental incident if any as prescribed under the rules.

 The GENERATOR shall designate a "Nodal Officer" to interact with M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar and the Maharashtra Pollution Control Board.

9) The GENERATOR shall disinfect the sharps and multiple them and hand over in puncture proof containers to M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar. 10) The GENER ATOR will also choose (Wester) in

10) The GENERATOR will give sharps (Waste) in puncture proof containers.

11) The collected waste material sent by the hospital may be checked, suggestion may be given for improvement in the segregation of waste to the hospital by M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar,

12) The GENERATOR shall be solely responsible for the number of bed strength declared to M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar. The GENERATOR shall inform M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar and MPCB about any changes in the number of beds strength increases/decreases. As per the beds strength, service charges will lived and NOC will be issued.

TERMS AND CONDITIONS.

Dean, Dr. Vikhe Patil Memorial Hospital & Medical College, Vadgaon Gupta, Post-MIDC, Ahmednagar shall pay the monthly charges of costs of disposal after completion of the month by 15th of every next month without fail.





Dr.V.V.P.F's College of Nursing Ahmednagar



1) All payment shall be made in favor of M/s. Bioclean System (India) Pvt. Ltd. Anmednagar in the form of DD or A/C payee cheques. All bounced cheques shall be changed at Rs. 200/- extra in addition to the actual bank charges and the mandatory provisions of income tax for deduction tax at source shall apply.

 M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar shall indemnify all costs expenses damages etc. In relation to handling/ mishandling/omission to handle the bio-medical waste.

3) M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar shall collect the BMW from hespital on day-to-day basis i.e. within 24 hrs.

⁴¹ M/s. Bioclean System (India) Pvt. Ltd. Ahmednagar failure to collect the biomedical waste as per provisions of Bio-Medical Waste Management and handling rules 1998 even after expiry of 48 hours the generator shall make alternate arrangement to transportation of Bio-Medical Waste to service provider facility and will entail note only liability to reimburse the cost of alternative arrangement but also figuridated damages of at least Rs. 500/- per day.

5) All disputes differences claims etc. arising from out of the agreement shall be subject to the exclusive arbitration of the managing director of Maharashtra Health Systems Corporation.

The course expect at Ahmednagar will have a jurisdiction to entertain any matter

To The period of this agreement is of three years i.e. up to 31ª March 2023.

In the event of persistent default (exceeding three times in a month) the corporation will have the option to terminate the contract to and without prejudice to the imposition of liquidate damages. His decision to terminate the contract will be written the sole discretion of the Managing Director to the corporation and the same will be arrives at after hearing the view point of M/s. Bioclean System (India) Pvt. Lini: Ahmednagar.

The said decision will be final and shall not be called in question in and courses

and whatsoever. March DIRECTOR

M.S. Bioclean System (India) Use Vid. Nagar- Pune Road, Burudgoan, Ahmednagar.

MOTARILL

NOTARIAL

NOTARIAL

NOTARIAL

DEAN DEAN

Dr. Vikhe Patil Memorial Hospital & Medical College, Vadgaon Gupta, Post- MIDC, Ahmednagar.

BEFORE

SrNo 10 N 1 64 08 04 2020

NOTARIAL

adeliar

PRINCIPAL Dr.V.V.P.F's College of Nursing Ahmednagar



Certificate of Registration for Membership of Common Biomedical Disposal Facility as per Authorization for Generation, Collection, Reception, Segregation, Storage, and Disposal of Bio-Medical Wastes under Rule 1998 & amended there on.

Registration No.	: AMD / 742
Date of Registration	: 26 th May. 2020.
Date of Issue of Certificate	: 27 th March. 2023.
Place	: Ahmednagar.
Name & Address	: Dr. Vikhe Patil Memorial Hospital
	& Medical College.
	Opp. Govt Milk Dairy, Vadgaon Gupta,
	MIDC, Ahmednagar.
Type of Institute	: Hospital.
No. of Beds	: 960 (Nine Hundred Sixty)
Anney Oty of Wests Conor	atadday : 130 To 160 Kg

Approx. Qty. of Waste Generated/day : 130 To 160 Kg.

This Certificate is valid from 27th March 2023 to 26th March 2024.

This is to certify that above Doctor / Institute is registered with us and having membership of our CBMWTSDF for collection, transportation & disposal of biomedical waste generated at his / there institute.

Note :- In case of violation of BMW rules 1998 & amended there on or default for due payments of BMW Services

all rights are reserved with singing authorities for cancellation of this certificate.

idic6

For, Bioclean Systems (India) Pvt. Ltd. Ahmednagar.



hadelar

PRINCIPAL Dr.V.V.P.F's College of Nursing Ahmednagar

Ahmednagar Office : Nilayam Housing Society, Near John Deere Tractors Showroom, Nagar-Pune Road, Ahmednagar - 414 001. Mob. : 9970988390, 9225322576,

Solapur Office : Plot No.OD, Uma Sahakari Gruhnirman Sanstha Maryadit, Solapur, T.P. Scheme No. 4, Final Plot No. 125/2, Juni Mill Compound, Murarji Peth, Solapur-1. Phone : (0217) 6451070, 2324289 Pune Office : Building No. A-10, Flat No. 6, Meeranagar, Koregaon Park, Pune - 411001 (M.H.), Reg. No. MAH/544/ANR/82

E- WASTE MANAGMENT

B.P.T. Act/F-490 (Ahmednagar)

DR. VITHALRAO VIKHE PATIL FOUNDATION

Vadgaon Gupta (Vilad Ghat), Po. M.I.D.C., Ahmednagar - 414 111 (Maharashtra)

Ph. No. : (0241)2778206,2779895 Email : vikhef@rediffmail.com Tel. Fax No. : (0241) 2778043 Foundation Website : pdvvpfa.org

Ref. No. DVVPFA/MCH/ESTT/2016/2663 MEMORANDUM OF UNDERSTANDING

for

"E- WASTE RECYCLING AND REUSE"

between

Dr. Vithalrao Vikhe Patil Foundation's,

Medical College, College of Physiotherapy and College of Nursing.

Ahmednagar-414111

and

Industrial Training Institute,

Plot No. B-4/2, MIDC, Ahmednagar- 414111

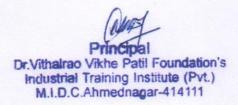
THIS AFFILIATION AGREEMENT is entered into by and between-

Constitute Health Sciences Institutes of Dr. Vithalrao Vikhe Patil Foundation, Ahmednagar (hereinafter "Educational Institute") and, the training institutes with various departments in Industrial area of Ahmednagar (hereinafter "ITI") Together these are the "the Parties" to this Memorandum of Understanding. The Parties agree that their respective organizations and relevant contracted agencies will endorse and adhere to this Memorandum of Understanding at all levels operations.

1.1. BACKGROUND

Electronic waste or e- waste is a term for electronic products that have become unwanted, non- working or obsolete, and have essentially reached the end of their useful life. Because technology advance at such a high rate, many electronic devices become technology advance at such a high rate, many electronic devices become "Trash" after few short years of use. As constituent institutes (Medical, Physiotherapy and Nursing), delivers educational health services to community and







Date: 01/08/2016

Students Verity of E- equipments are utilized while delivering these service in the form of LCD's CPU, Mouse, Monitors, ICU equipments, Physiotherapy / Medical equipments etc.

E- Waste contains many valuable recoverable materials such as aluminum, copper, gold, silver, plastics, and ferrous metals. In order to conserve natural resources and the energy needed to produce new electronic equipment from virgin resources, electronic equipment can be refurbished, reused and recycled instead of being landfilled.

1.2 E- WASTE - GOVERNING RULES:

Both parties agreed to follow E- Waste (Management & Handling) Rules, 2011 which were notified in the year 2011 and came into force since 1st May 2012 in order to ensure effective implementation of E- Waste Rules and clearly delineate the role of produces in EPR, MoEF & CC, Government of India in supersession of E- Waste (Management and Handling) Rules, 2011 has notified the E- Waste (Management) Rules, 2016 vide G.S.R 338 (E) dated 23 March 2016 Which came into effect from 01 October 2016. These rule are applicable to every producer, consumer or bulk consumer, collection center, dismantler and recycler of e- waste involved in the manufacture, sale, purchase and processing of electrical and electronic equipment.

1.3 DEFINITIONS AND INTERPRETATION:

1. Electronic Waste (E-Waste) – The term E- Waste will refer to the below mentioned electrical and electronic waste for the purpose of the Agreement which includes:

Computers & Peripherals (CPU,	ICU Equipment (Ventilators, Monitors,		
Keyboard, Mouse & Monitor)	Defibrillator etc)		
Laptops	Treadmill		
Servers	Physiotherapy Equipments		
	(SWD,US,IFT, etc)		
PCBs	Projectors		
Mobiles or Communication devices	UPS		
Mother Boards (Computers & Laptops	Shredder		
Security Devices	Lab equipments		
Telecom Equipment	Printers & Scanners		

1.4. SCOPE OF THE MEMORANDUM OF UNDERSTANDING:



chadelion

PRINCIPAL Dr.V.V.P.F's College of Nursing Ahmednagar

Principal Vithalrao Vikhe Patil Foundation's Idustrial Training Institute (Pvt.) M.I.D.C.Ahmednagar-414111 **WHEREAS**, Dr. Vithalrao Vikhe Patil Foundation, Ahmednagar desires to keep the environment clean and help the other party to use e- waste for educational purpose.

WHEREAS, Industrial Training Institute is willing to make available its facilities and resources for recycling reusing of e- waste products for teaching of training of their students. This will enable benefit to both parties in terms of a safe environment and teaching on E- waste.

THEREFORE, in consideration of the mutual covenants contained here in the Dr. V.V.P. Foundation and ITI agree upon as follows:

- 1.4.1 The best interests of the bot institutes are the primary concern and purpose of the services.
- 1.4.2 The parties will develop and foster collaborative working relationships and make the best use of available resources to provide the Services.

1.4.3 Best practice and professional standards will be adhered to provide the Services.

- 1.4.4 The Parties agree to work flexibly together and to provide the Services.
- 1.4.5 Neither party, in performing its responsibilities and obligations under this Agreement, will discriminate against any person because of said person's race, creed, religion, national, origin, sex or age.
- 1.4.6 This Memorandum of Understanding and the Operational Guideline will serve as the basis for Local Level Agreements. The Local level Agreement will outline how health and education services will work together to deliver quality services.
- 1.4.7 Both the parties will be responsible for the statutory compliance including environmental compliances pertaining to the activities and services mentioned above, E – Waste (Management and Handling) Rules, 2011, has notified the E- Waste (Management) Rules, 2016 vide G.S.R. 338 (E) dated 23 March 2016 and Dr. V.V.P. Foundation will not in any way be responsible for the same once waste material is handed over to ITI.
- 1.5 THEREFORE in consideration the Dr. V.V.P. Foundation will provide following services to ITI: - Collection of e waste from constituent institutes at one center point- Segregation of e- waste in reusable and recyclable (As per Guidelines) Notify the ITI with list for pickup with precaution.
- **1.6. THEREFORE** in consideration the ITI will provide the following services to Dr. V.V.P Foundation:

NHE R No MAR 544/ANR/R

Selien Dr.V.V.P.F's College of Nursing

Ahmednagar

Principal thairao Vikhe Patil Foundation's Industrial Training Institute (Pvt.) M.I.D.C.Ahmednagar-414111

- The collection and reusing / recycling services to be provided by ITI under this Agreement (the " Services") are as follows:
- 1.6.1 ITI shall ensure that the waste meteial is transports safely and there is no leakage during transit.
- 1.6.2 ITI shall dismantle, shred , physically destroy, and /or recycle all Covered Electronic Devices collected by the institute form various departments and provided to ITI using standard methods approved by the institute.
- 1.6.3 ITI shall fully comply with all applicable laws, rules, regulations, orders and ordinances, in conjunction with the collection, processing recycling and/or disposal of Covered Electronic Devices, their components and any other materials collected in conjunction therewith.
- 1.6.4 ITI shall use the parts and components for educational purpose for teaching and practice of students.
- 1.6.5 ITI shall keep and retain the adequate books and other documents consistent with and for the period required by Dr. Vithalrao Vikhe Patil Foundation.

1.7. CONFIDENTIALITY:

The Parties acknowledge the disclosure of the information is subject to the Offical Information Act 1982, the Privacy Act 1993 and the Health Information Privacy Code 1994.

Each Party will consult with the other before disclosing information relating to operational

Matters covered by this Memorandum of Understanding as required by law and each party will only disclose that information in accordance with the law.

1.8 ASSIGNMANT AND AGREEMENT:

No party can assign this agreement to any third party without abtaining the prior written consent of the third party.

1.9. THE TERM AND TERMINATION

AKHE

1.9.1 The term of this Agreement shall be for a period of ten (10) years from the date of signing.

herdelias

Ahmednagar

PRINCIPAL Dr.V.V.P.F's College of Nursing PRINCIPAL Dr.V.V.P.F's College of Nursing

- 1.9.2 This Memorandum of Understanding may be varied from time to time by mutual agreement between the Parties. With each variation a new document including the Variation (s) will be produced, agreed, and then signed and distributed by the parties.
- 1.9.3 This Agreement may be terminated as follows:
- 1.9.3.1 In the event, both institutes, shall mutually agree that this Agreement may be

Terminated o terms and date stipulated therein.

1.9.3.2 This Agreement may be terminated by either party with or without cause by delivering a written notice of cermination to the other party at least thirty (30) days prior to such early termination.

1.10 EXECUTION:

This Agreement and any amendments there to shall be executed in duplicate copies on behalf of Industrial Training Institute by official of each, specifically authorized by its respective Bord to perfrom such executions. Each duplicate copy shall be deemed an original, but both duplicate originals together constitute one and the same instrument.

IN WITNESS WHEREOF, duly authorized officers and representatives of Industrial Training Institute have executed this Agreement the 1st August day of 2016.

CONTACT INFORMATION:

Dr. Vithalrao Vikhe Patil Foundation

Partner representative:

Mr. Shashikant Gayke

Maintenance Engineer

Address:

Department of IT and Maintenance

Opp. Govt. Milk Dairy, Post: MIDC,

Vadgaon Gupta, Ahmednagar- 414111

Telephone: 0241-2778042, 2777059, 2779757

Fax: 0241 - 2779782, Website: www.vims.edu.in

E-mail : maintenance@vims.edu.in



(Partner signature)

Date 01 / 08 /2016

Place: Ahmednagar

Principal Vithalrao Vikhe Patil Foundation's Industrial Training Institute (Pvt.) M.I.D.C.Ahmednagar-414111

folion Dr.V.V.P.F's College of Nursing Ahmednagar

Industry:

Industrial Training Institute,

Plot No. B-4/2, MIDC, Ahmednagar- 414 111

Partner representative

Address:

Principal Dr.Vilhalmo Vikhe Patil Foundation's Industrial Training Institute (Pvt.) MI.D.C.Ahmednagar-414111



Ahmednagar

Date: 01 08 2016 Place: Ahmed nag gr.

Dist: Ahmednagar, Maharashtra. Telephone : 0241-253694



redeliar

PRINCIPAL Dr.V.V.P.F's College of Nursing Ahmednagar

RADIOACTIVE WASTE MANAGEMENT Pg. No. 13 to 20



RADIOACTIVE MATERIAL RECEIVING REPORT

Received from:

Issued on: 19-Apr-2023

SAI CANCER AND RESEARCH SERVICES PVT Attn.: Mr S Saran Raj PDVVPFS MEDICAL COLLEGE & HOSPITAL 414111 AHMEDNAGAR 27 India

Key reference: ut0ux HK885 y*qw8 kJhQj c3 System reference: microSelectron Digital/20731-NUC001/20190

DISPOSED RADIOACTIVE MATERIAL SPECIFICATION

Model: 105002-00 Serial number: D36H1070 Isotope: Ir-192 Activity (in GBq): 0.00 Date of disposal: 12-Apr-2023 Received in shipping container: 258C6

Imported by:

Nucletron B.V. Waardgelder 1 3905 TH Veenendaal The Netherlands

Receiving location/facility:

CURIUM NETHERLANDS B.V. Westerduinweg 3 1755 LE Petten The Netherlands This form is to acknowledge that the radioactive material listed above was received in good order and condition at the specified receiving location/facility.

NUCLETRON OPERATIONS B.V.

K

Mr. R. Stoker

This document has been electronically produced and does therefor not contain an original signature

ELEKTA | Nucletron Operations B.V. | P.O. Box 930, 3900 AX Veenendaal | Visiting address: Waardgelder 1 | 3905 TH Veenendaal | The Netherlands | Phone: +31 318 557 133 | brachytherapy@elekta.com | <u>www.elekta.com</u>

भारत सरकार परमाणु ऊर्जा नियामक परिषद् विकिरण संरक्षा प्रभाग



GOVERNMENT OF INDIA ATOMIC ENERGY REGULATORY BOARD RADIOLOGICAL SAFETY DIVISION

Case File Number: MH-30009-RF-RH-001

Date of Issue: 03/11/2022

Document No.: 22-LIC-849690

Valid Till: 03/11/2027

LICENCE FOR OPERATION OF REMOTE AFTERLOADING BRACHYTHERAPY UNIT

In exercise of powers conferred under Section 16 of the Atomic Energy Act, 1962 read with Rule 3 of the Atomic Energy (Radiation Protection) Rules, 2004, the Atomic Energy Regulatory Board (AERB) hereby issues **Authorization** in favour of **SATISH RAMKRISHNA SONAWANE** to operate the following **REMOTE AFTERLOADING BRACHYTHERAPY Unit** located at **SAI CANCER AND RESEARCH SERVICES PRIVATE LIMITED**, **Ahmednagar** for **patient treatment** purposes.

Make	Model	Sr. No	Equipment ID	Radioisotope	No of Sources	Maximum Design Capacity
Nucletron	MicroSelectron HDR V3 (106990BNN)	20190	E-RH-057951	Ir-192	1	444 GBq

The **DIRECTOR, SAI CANCER AND RESEARCH SERVICES PRIVATE LIMITED**, **Ahmednagar** and **SATISH RAMKRISHNA SONAWANE** are hereby identified as the Employer and licensee respectively, for the purpose of assigning the responsibilities specified in the Atomic Energy (Radiation Protection) Rules, 2004, in respect of radiation protection of workers, public and environment because of possession and operation of the above equipment by **SAI CANCER AND RESEARCH SERVICES PRIVATE LIMITED**, **Ahmednagar**.

This license shall be subject to the following conditions:

- 1. The employer and the licensee shall ensure compliance of the provisions of
 - i)The Atomic Energy Act, 1962;
 - ii) The Atomic Energy (Radiation Protection) Rules, 2004;
 - iii) The Atomic Energy (Safe Disposal of Radioactive Wastes) Rules, 1987;
 - iv)All applicable Safety Codes, Guides on Safety and Security issued by AERB for the above practice

and directives/other applicable regulatory documents issued by AERB from time to time.

- 2. It shall further be ensured that:
 - a)The functional performance of the equipment is satisfactory during its useful life from radiological safety view point.
 - b)Any incident involving radiation source(s) or loss / theft of source(s) is reported promptly within 24 hours of occurrence to AERB. In the event of the loss / theft of source(s), appropriate law enforcement authority shall be contacted immediately.
 - c)Disposal of all disused radiation sources are carried out in accordance with the procedures laid down by AERB.
 - d)The terms and conditions stated in Annexure-1 are complied with.

edelaz Dr.V.V.P.F's College of Nursing Ahmednagar



परमाणु ऊर्जा नियामक परिषद्,नियामक भवन, अणुशक्तिनगर, मुंबई 400094 (महाराष्ट्र) Atomic Energy Regulatory Board, Niyamak Bhavan, Anushaktinagar, Mumbai 400094 (Maharashtra)

अनुबंध Appendix-1 नियम और शर्ते TERMS AND CONDITIONS

- <u>विकिरण स्रोतों के संचालन पर प्रतिबंध Constraints on operation of radiation sources</u>: लाइसेंसधारक किसी भी विकिरण स्रोत (रेडियोधर्मी स्रोत और/या विकिरण उत्पन्न करने वाला उपकरण) को नहीं संभालेगा (क) लाइसेंस में विनिर्दिष्ट के अलावा; (ख) लाइसेंस में विनिर्दिष्ट के अलावा किसी अन्य उद्देश्य के लिए; और (ग) लाइसेंस में विनिर्दिष्ट के अलावा किसी भी स्थान पर। The licensee shall not handle any radiation source (Radioactive Sources and/or Radiation Generating Equipment): (a) other than those specified in the licence; (b) for any purpose other than those specified in the licence; and (c) in any location except as specified in the licence.
- 2. जत्तरदायित्व Responsibilities:परमाणु ऊर्जा (विकिरण संरक्षण) नियम, 2004 में निर्दिष्ट नियोक्ता, लाइसेंसधारक, आरएसओ और श्रमिकों की जिम्मेदारियों का पालन किया जाएगा। विकिरण फैसिलिटी/गतिविधियों की सुरक्षा के लिए मुख्य जिम्मेदारी लाइसेंसधारक की होगी और नियामक संस्था द्वारा कोई भी नियामक गतिविधियां या निरीक्षण लाइसेंसधारक को सुरक्षा के लिए उसकी जिम्मेदारी से मुक्त नहीं करता है। The responsibilities of the employer, licensee, RSO and workers as specified in the Atomic Energy (Radiation Protection) Rules, 2004 shall be complied with. Prime responsibility for the safety of the radiation facility/activities shall lie with the licensee and any regulatory activities or inspections by the regulatory body does not relieve the licensee from his/her responsibility for safety.
- स्रोतों की सलामती और सुरक्षा Safety and Security of sources: विकिरण स्रोत की सलामती और सुरक्षाहर समय अर्थात खरीद से लेकर विकिरण स्रोत के निपटान/उपकरण के बंद होने तक सुनिश्चित की जाएगी।

रेडियोधर्मी स्रोत/रेडियोधर्मी स्रोतों को रखने वाले उपकरण अस्थाई रूप से उपयोग में नहीं होने पर एक अनुमोदित और सुरक्षित भंडारण कक्ष में संग्रहीत किए जाएंगे। The safety and security of the radiation source shall be ensured at all the times i.e. from procurement up to the time of disposal of the radiation source/decommissioning of the equipment. The equipment housing the radioactive source/radioactive sources shall be stored in an approved and secured storage room when temporarily not in use.

- 4. नियामक सिफारिशें Regulatory Recommendations: रेडियोधर्मी स्रोतों के लिए विकिरण सुरक्षा उपायों और भौतिक सुरक्षा उपायों के संबंध में सक्षम प्राधिकारी द्वारा समय-समय पर जारी की जाने वाली सभी नियामक सिफारिशों को लागू किया जाएगा और इसका अक्षरशः पालन किया जाएगा। All the regulatory recommendations, as may be issued from time to time, by the Competent Authority in respect of radiation safety measures and physical security measures for radioactive sources shall be implemented and followed in its letter and spirit.
- <u>अर्हताप्राप्त कार्मिक Qualified manpower</u>: उपकरण/स्रोतों का संचालन एईआरबी को सूचित किए गए योग्य और प्रशिक्षित विकिरण कर्मियों द्वारा किया जाएगा। Equipment/sources shall be operated by qualified and trained radiation workers as intimated to AERB.
- 6. ले-आउट का संशोधन Modification of layout: एईआरबी के पूर्वानुमोदन के बिना स्थापना/स्रोत भंडारण फैसिलिटी के अनुमोदित लेआउट में संशोधन, जिसमें विकिरण सुरक्षा निहितार्थ हो सकते हैं, नहीं किए जाएंगे। Modifications in the approved layout of the installation/source storage facility that may have radiation safety implications shall not be carried out without obtaining prior approval of AERB.
- 7. विकिरण निगरानी Radiation Surveillance: विकिरण कार्य में लगे व्यक्ति (व्यक्तियों) की विकिरण निगरानी (कार्मिक निगरानी सेवा) नियामक आवश्यकताओं के अनुसार प्रदान की जाएगी। Radiation Surveillance (personnel Monitoring Service) of person(s) engaged in radiation work shall be provided as per the regulatory requirements.
- 8. <u>आवधिक सुरक्षा स्थिति रिपोर्ट Periodic Safety Status Report</u>: संस्थान के पास मौजूद सभी विकिरण उपकरेणों सोतों की आवधिक स्थिति रिपोर्ट वर्ष में एक बार (कम से कम) एईआरबी को प्रस्तुत की जाएगी। The periodic status report of Dr.V.V.P.F's College of Nursing Ahmednagar

all radiation devices/sources in the possession of the institution shall be submitted (at least) once in a year to AERB.

- <u>रखरखाव Maintenance</u>: उपकरणों का रखरखाव संबंधित एईआरबी संरक्षा कोड, गाइड और वर्तमान में लागू मानकों के अनुसार किया जाएगा। Maintenance of the equipment shall be carried out in accordance with the respective AERB safety code, guide and standards currently in force.
- बिक्री या स्थानांतरण Sale or transfer: विकिरण स्रोत/डिवाइस/उपकरण/रेडियोधर्मी अपशिष्ट एईआरबी से पूर्वानुमोदन प्राप्त किए बिना किसी अन्य व्यक्ति को बेचा या अन्यथा हस्तांतरित नहीं किया जाएगा। The radiation source/device/equipment/radioactive waste shall not be sold or otherwise transferred to another person without obtaining prior approval from AERB.
- 11. विकिरण स्रोतों का संचलन Movement of radiation source: विकिरण उपकरण/स्रोतों को एईआरबी से पूर्वानुमोदन प्राप्त किए बिना, परिसर के भीतर (जब तक कि उपकरण परिसर के भीतर नियमित आवाजाही के लिए न हो) या बाहर एक स्थान से दूसरे स्थान पर नहीं ले जाया जाएगा। The radiation equipment/sources shall not be moved from one location to another, within the premises (unless the equipment is meant for routine movement within the premises) or outside, without obtaining prior approval from AERB.
- 12. <u>रेडियोधर्मी स्रोत का परिवहन Shipment of radioactive material</u>:रेडियोधर्मीसामग्रीकापरिवहन : एईआरबीसेपरिवहनकेलिएपूर्वानुमतिप्राप्तकीजाएगी। यह सुनिश्चित किया जाएगा कि रेडियोधर्मी सामग्री के सुरक्षित परिवहन के लिए राष्ट्रीय/ अंतर्राष्ट्रीय विनियमों के अनुसार योग्य पैकिंग, चिह्नित और लेबलिंग किया जाता है। Prior approval for shipment shall be obtained from AERB. The package containing radioactive material is properly packed, marked and labelled and the shipment of radioactive material is in accordance with national/international regulations for safe transport of radioactive material.
- <u>नियामक निरीक्षण Regulatory inspection</u>: विकिरण फैसिलिटी का निरीक्षण करने के लिए सक्षम प्राधिकारी के प्राधिकृत प्रतिनिधि (प्रतिनिधियों) को पूर्ण सहयोग दिया जाएगा। Full co-operation shall be accorded to authorized representative(s) of the Competent Authority to inspect radiation facility.
- 14. <u>अप्रयुक्त विकिरण स्रोतों तथा रेडियोधर्मी अपशिष्ट का प्रबंधन Management of disused radiation sources and</u> <u>radioactive waste</u>: जब कोई विकिरण स्रोत अब अधिकृत उद्देश्य के लिए उपयोग में नहीं है, या इसके उपयोगी जीवन के पूरा होने पर, उपकरण को बंद कर दिया जाएगा और रेडियोधर्मी स्रोत एईआरबी द्वारा निर्धारित प्रक्रिया के अनुसार संरक्षित प्रबंधन के लिए मूल आपूर्तिकर्ता को वापस कर दिया जाएगा। आयातित रेडियोधर्मी स्रोतों के संबंध में, उनके निर्यात के लिए एईआरबी से पूर्व अनुमति प्राप्त की जाएगी। When a radiation source is no longer in use for the authorized purpose, or upon completion of its useful life, the equipment shall be decommissioned and radioactive source shall be returned to the original supplier for safe management in accordance with the procedure laid down by AERB. In respect of imported radioactive sources, prior permission for export of the same shall be obtained from AERB.
- 15. <u>असामान्य घटनाओं की रिपोर्ट Reporting of unusual occurrences</u>: यदि विकिरण स्रोत/उपकरण की संरक्षा और सुरक्षा से जुड़ी कोई घटना होती है, तो घटना होने के 24 घंटे के भीतर एईआरबी को इसकी सूचना दी जाएगी। स्रोत के खो जाने या चोरी होने की स्थिति में, मामले की सूचना तत्काल इलाके में उपयुक्त कानून एवं प्रवर्तन एजेंस को दी जाएगी। ति an incident involving the safety of radiation equipment/device/source and security of the radiation source occurs, the same shall be intimated to AERB within 24 hours of the occurrence of the incident. In the event of loss or theft of the source, the matter shall also be promptly reported to the appropriate law enforcement agency in the locality.
- 16. रेडियोधर्मी अपशिष्ट के निपटान के लिए संचालन/प्राधिकरण के लिए लाइसेंस में संशोधन Amendment of licence for operation/Authorization for disposal of radioactive waste: इस लाइसेंस/प्राधिकरण में निहित जानकारी में कोई भी परिवर्तन, इसके जारी होने के बाद (लाइसेंसधारक, नियोक्ता, संस्थान का नाम, पता आदि के रूप में) एईआरबी को सूचित किया जाएगा और इस संबंध में इस लाइसेंस के लिए उपयुक्त आवश्यक संसोधन सक्षण प्राधिकारी, एईआरबी से प्राप्त किया जाएगा। Any change in the information contained in this licence/authorization, after its issuance (as

change of licensee, employer, name of institution, address etc.), shall be intimated to the AERB and appropriate necessary amendment to this effect to this licence shall be obtained from the Competent Authority, AERB

- 17. लाइसेंस के नियमों और शर्तों में संशोधन Modification of the terms and conditions of the licence: लाइसेंस के नियमों और शर्तों को सुरक्षा के हित में सक्षम प्राधिकारी द्वारा आवश्यक समझे जाने पर संशोधित, पूनरीक्षित या सुधार किया जा सकता है। The terms and conditions, of the licence can be amended, revised or modified, as considered necessary by the Competent Authority in the interest of safety.
- 18. लाइसेंस का नवीनीकरण Renewal of licence: लाइसेंस का नवीनीकरण इसकी समाप्ति की तारीख से पहले सक्षम प्राधिकारी से प्राप्त किया जाएगा। लाइसेंस के गैर-नवीनीकरण से लाइसेंसधारक को कब्जे के तहत विकिरण स्रोतों की सलामति एवं सुरक्षा की जिम्मेदारी से तब तक मुक्त नहीं किया जाता है जब तक कि उपकरण बंद नहीं किया जाता है/और सुरक्षित प्रबंधन के लिए मूल

आपूर्तिकर्ता को रेडियोधर्मी स्रोत वापस नहीं किया जाता है। एईआरबी द्वारा आवेदनों के प्रसंस्करण के लिए अग्रणी समय को ध्यान में रखते हए लाइसेंस के नवीनीकरण के लिए आवेदन एईआरबी को समीक्षा के लिए अग्रिम रूप से प्रस्तुत किया जाएगा। लाइसेंस की समाप्ति के दो महीन पहले लाइसेंसधारक द्वारा नवीनीकरण के लिए आवेदन प्रस्तुत किया जा सकता है। Renewal of licence shall be obtained from the Competent Authority prior to its date of expiry. Non-renewal of licence does not absolve the licensee from the responsibility of safety and security of radiation sources under possession till the equipment is decommissioned /and radioactive source is returned to the original supplier for safe management. Application for renewal of this licence shall be submitted to AERB for review well in advance, taking into account the lead time for processing of the applications by AERB. Application for renewal may be submitted by the licensee two months prior to expiry of the licence.

- 19. डीकमीशनन के लिए वित्तीय प्रावधन Financial provision for decommissioning: लाइसेंसधारक यह सुनिश्चित करेगा कि एक बार उपयोग में आने के बाद विकिरण स्रोतों के सुरक्षित प्रबंधन के लिएउचित वित्तीय प्रावधानों सहित व्यवस्था की जाती है। वित्तीय प्रावधान की सीमा का निर्धारण विकिरण स्रोत के आपूर्तिकर्ता/निर्माता के परामर्श से किया जाएगा। वित्तीय प्रावधान सामान्य परिदृश्य के साथ-साथ दिवालिएपन या अन्य बाधाओं का सामना करने वाली असंभावित घटनाओं को ध्यान में रखते हुए किया जाएगा। Licensee shall ensure that arrangements, including appropriate financial provisions, are made for the safe management of radiation sources, once it ceases to be in use. The extent of financial provision shall be arrived at in consultation with the supplier/manufacturer of the radiation source. The financial provision shall be made with due consideration to normal scenario as well as unlikely events like bankruptcy or other constraints that may be encountered.
- 20. अपराध और दंड Offences and Penalties: यदि लाइसेंस/प्राधिकरण की शर्तों और अन्य निर्धारित विनियामक प्रावधानों का उलंघन किया जाता है तो परमाणु ऊर्जा (विकिरण संरक्षण) नियम, 2004 और परमाणु ऊर्जा (रेडियोधर्मी अपशिष्ट का सुरक्षित निपटान) नियम 1987 में निर्दिष्ट शर्तों के अनुसार एईआरबी द्वारा लाइसेंस/प्राधिकार को निलंबित, संशोधित या वापस लिया जा सकता है। जहां उपयुक्त समझा जाए, किए गए अपराध के विरूद्ध परमाणु ऊर्जा अधिनियम, 1962 में प्रावधान के अनुसार एईआरबी संस्था द्वारा दंडात्म कार्रवाई शुरू की जा सकती है। Licence/authorisation can be suspended, modified or withdrawn by AERB, as specified in the Atomic Energy (Radiation Protection) Rules, 2004 and Atomic Energy (Safe Disposal of Radioactive Wastes) Rules 1987 if any of the terms and conditions of the licence/authorisation and other stipulated regulatory provisions is/are contravened. Where deemed appropriate, AERB may initiate penal action against an offence committed by the institution, as provided in the Atomic Energy Act, 1962.

Achedelien नोट Note: प्रैक्टिस विशिष्ट आवश्यकताओं पर मार्गदर्शन के लिए कृपया ई-लोरा दिशानिर्देश और एईआरबी वेबसाइट www.aerb.gov.in देखें। For guidance on practice specific requirements, please refer e-LORA guidelines and AERB website www.aerb.gov.in Dr.V.V.P.F's College of Nursing

Ahmednagar

3. This Licence may be suspended, modified or withdrawn as deemed fit in the event of contravention of the provisions of the above Act / Rules / Codes or terms and conditions of issuance.

4. A copy of this Licence shall be available at the place where the radiation sources are being operated / stored.

This is computer generated copy. Hence no signature required.

Dr. P. K. Dash Sharma Head, RSD (Issuing Authority)

SATISH RAMKRISHNA SONAWANE SAI CANCER AND RESEARCH SERVICES PRIVATE LIMITED PDVVPFS MEDICAL COLLEGE AND HOSPITAL, Ahmednagar, Maharashtra-414111

CopyTo:DIRECTOR,SAI CANCER AND RESEARCH SERVICES PRIVATE LIMITED, Ahmednagar

Chardellas

Principal Dr.V.V.P.F's College of Nursing Ahmednagar भारत सरकार परमाणु ऊर्जा नियामक परिषद् विकिरण संरक्षा प्रभाग



GOVERNMENT OF INDIA ATOMIC ENERGY REGULATORY BOARD RADIOLOGICAL SAFETY DIVISION

Case File Number: MH-30009-RF-RA-001

Date of Issue: 05/04/2022

Document No.: 22-LIC-759211

Valid Till: 05/04/2027

LICENCE FOR OPERATION OF MEDICAL ACCELERATOR UNIT

In exercise of powers conferred under Section 16 and 17 as applicable of the Atomic Energy Act, 1962 read with Rule 3 of the Atomic Energy (Radiation Protection) Rules, 2004, the Atomic Energy Regulatory Board (AERB) hereby issues licence in favour of SATISH RAMKRISHNA SONAWANE to operate the following MEDICAL ACCELERATOR unit located at SAI CANCER AND RESEARCH SERVICES PRIVATE LIMITED, Ahmednagar for patient treatment purposes.

Make	Model	Sr. No	Equipment ID	Photon energy(ies) (MV)	Electron energy(ies) (MeV)
Elekta	Synergy Platform	153813	G-RA-057805	6,15,10	6,8,10,12,15,4

The DIRECTOR, SAI CANCER AND RESEARCH SERVICES PRIVATE LIMITED, Ahmednagar and SATISH RAMKRISHNA SONAWANE are hereby identified as the Employer and licensee respectively, for the purpose of assigning the responsibilities specified in the Atomic Energy (Radiation Protection) Rules, 2004, in respect of radiation protection of workers, public and environment because of possession and operation of the above equipment by SAI CANCER AND RESEARCH SERVICES PRIVATE LIMITED, Ahmednagar.

This license shall be subject to the following conditions:

1. The employer and the licensee shall ensure compliance of the provisions of

i)The Atomic Energy Act, 1962;

ii)The Atomic Energy (Radiation Protection) Rules, 2004;

iii)The Atomic Energy (Safe Disposal of Radioactive Wastes) Rules, 1987;

iv)All applicable Safety Codes, Guides on Safety and Security issued by AERB for the above practice

and directives/other applicable regulatory documents issued by AERB from time to time.

2. It shall further be ensured that:

- a)The functional performance of the equipment is satisfactory during its useful life from radiological safety view point.
- b)Any incident involving radiation source(s) or loss / theft of source(s) is reported promptly within 24 hours of occurrence to AERB. In the event of the loss / theft of source(s), appropriate law enforcement authority shall be contacted immediately.
- c)Disposal of all disused radiation sources are carried out in accordance with the procedures laid down by AERB.
- d)The terms and conditions stated in Annexure-1 are complied with.



परमाणु ऊर्जा नियामक परिषद्वनियामक भवन, अणुशक्तिनगर, मुंबई 400094 (महाराष्ट्र) Atomic Energy Regulatory Board, Niyamak Bhavan, Anushaktinagar, Mumbai 400094 (Maharashtra)

armsc/Website: www.aerb.gov.in

दूरमाच/Tel: 91-22-2599 0656

Parte/Fax 01-12-2599.0650

Dr.V.V.P.F's College of Nursing Ahmednagar Scanned with AltaScanner



परमाणु ऊर्जा नियासक थो।षट् विकिरण सरजा प्रभाग



GOVERNMENT OF INDIA ATOMIC ENERGY REGULATORY BOARD RADIOL 00XCAL SAFETY DIVISION

Date of Issue: 12/07/2019

Case File Number : MH-30009-RF-RH-001

Document Number: 19-PROC-409349

Valid Till: 12/07/2020

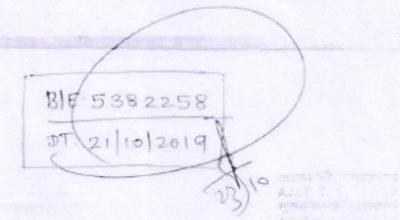
Seb. NO OBJECTION CERTIFICATE FOR PROCUREMENT OF RADIATION SOURCE (5)

This has reference to your application no. 19-489396 dated: 04/07/2019 addressed to this Division for procurement of radiation source(s). In exercise of powers conferred under Section 16 of the Atomic Energy Act, 1962 read with Rule 3 of the Atomic Energy (Radiation Protection) Rules, 2004, (AE(RP)R, 2004) the Atomic Energy Regulatory Board (AERB) hereby issues No Objection Certificate (NOC) in favour of SATISH RAMKRISHNA SONAWANE, to procure/import the radiation source(s) as mentioned in Annexure-1.

The DIRECTOR, SAI CANCER AND RESEARCH SERVICES PRIVATE LIMITED, Ahmednagar and SATISH RAMKRISHNA SONAWANE are hereby identified as the employer and the licensee, respectively, for the purpose of assigning the responsibilities specified in the AE(RP)R, 2004 in respect of radiation protection of workers and public because of the work with radiation carried out by SAI CANCER AND RESEARCH SERVICES PRIVATE LIMITED, Ahmednagar.

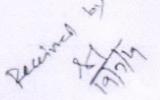
It shall be ensured that the package of radioactive material is prepared, packed, labelled and marked as per the current applicable national and international regulations for the safe transport of radioactive material.

This NOC is subject to the terms and conditions stated in Annexure-2.



Pankaj Tandon Scientific Officer (G)

NB: The guidelines on various stages of regulatory clearances for radiotherapy institutions are available on our website westarch gos as





างหลาง คงส์ สิทธรรษ ประชุฎไม้ประสา ครสงร์, สารุชบริจักรรรร, ครสุด 400004 (ครุกการ) Anneo Energy Reputatory Board, Novamak Dhevan, Arushakonagar, Munitia 400094 (Maharantora)

dement/Vobale, www.aorb.gov.in

genew/Tal. 91-22-2569 0665

PRINCIPAL Dr.V.V.P.F's College of Nursing Ahmednagar