GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY UNIVERSITY, ODISHA, GUNUPUR

Environment and Energy initiatives Certificates

GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY UNIVERSITY, ODISHA, GUNUPUR

QRO
QUALITY RESEARCH ORGANIZATION

Certificate of Registration

This is to certify that

GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY UNIVERSITY

GUNUPUR - 765022, DIST - RAYAGADA, ODISHA, INDIA.

has been independently assessed by QRO
and is compliant with the requirement of:

ISO 9001:2015

Quality Management System

For the following scope of activities:

PROVIDING THE VARIOUS COURSES FOR THE LEVEL OF GRADUATION, POST GRADUATION AND DOCTORATE.

(SUCH AS 15 B.TECH PROGRAMMES, 10 M.TECH PROGRAMMES, B.SC (AGRICULTURE), 05 M.SC COURSES (BIOTECH, CHEMISTRY, PHYSICS, MATHEMATICS, AND LIFE SCIENCES), BCA, MCA, BBA, MBA, & 03 MA COURSES (ENGLISH, ECONOMICS AND EDUCATION) AND DOCTORAL RESEARCH PROGRAMS (PH.D) IN ALL THE DISCIPLINES WITH PG LEVEL PROGRAMMES.)

Date of Certification: 30th March 2022
1st Surveillance Audit Due: 29th March 2023
2nd Surveillance Audit Due: 29th March 2024
Certificate Expiry: 29th March 2025

Certificate Number: 305022033006Q

QRO QUALITY RESEARCH ORGANIZATION
EGAC CAB # 119005
MEMBER OF MULTILATERAL RECOGNITION ARRANGEMENT IAF

Head of Certification

Validity of this certificate is subject to annual surveillance audits to be done successfully on or before 365 days from date of the audit. (In case surveillance audit is not allowed to be conducted; this certificate shall be suspended / withdrawn).
The Validity of this certificate can be verified at www.qrocert.org
This certificate of registration remains the property of QRO Certification LLP, and shall be returned immediately upon request.

India Office : QRO Certification LLP
142, IInd Floor, Avtar Enclave, Near Paschim Vihar West Metro Station, Delhi-110063, (INDIA)
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Mahatma Gandhi National Council of Rural Education
Department of Higher Education, Ministry of Education, Govt of India
5-10-174, Shakar Bhavan, Ground Floor, Fateh Maidan Road, Hyd – 04, website: www.mgncre.org

Lr No. 008/MGNCRE/DHE/MoE/GOI/OD/ Rayagada /DC/8/27-07-2021

Mr Saroj Kumar Mishra
District Collector
Rayagada, odisha

Sub: MGNCRE-DHE-MHRD-GoI/District Green Champion Awards - Invitation - Reg.

Shri Mr Saroj Kumar Mishra ji,

Greetings from the Ministry of Education, Government of India! We congratulate you for the keen interest evinced by you in Swachhta activities in your district. The Ministry desires to award **GIET University, Gunupurwhich** is one of the higher education institutions in your district for its green endeavors in our **One District One Green Champion**.

Mahatma Gandhi National Council of Rural Education, in the Department of Higher Education of the Ministry of Education Government of India is a nodal agency of the ministry for this effort. In this regard we would like you to award this institution in an ***online workshop*** and **deliver a short keynote address as the Chief Guest** encouraging all Principals of higher education institutions in your district who will be invited to this special programme. This 2-hour session will have a workshop on the modalities of handling water, waste, greenery, sanitation and energy in the Higher Education Institutions and the villages adopted by them.

The date and time of the program can be fixed as per your convenience preferably before 05th August 2021.

Your brief presence in this online workshop will add the much-needed impetus and encourage the participating Principals of Higher Educational Institutions.

Our Project Coordinator Ms. Tuti Sandhya, (Phone: 9392789547), will be communicating with your office in this regard and can be reached for all clarifications.

Thanking You.

Yours sincerely,

Dr. W G Prasanna Kumar
Chairman MGNCRE

CC: The Registrar, GIET University, Gunupur

GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY UNIVERSITY, ODISHA, GUNUPUR

Tel: 06856-223073
Email: rospcb.rayagada@ospcboard.org
Website: www.ospcboard.org

OFFICE OF THE REGIONAL OFFICER
STATE POLLUTION CONTROL BOARD, ODISHA
[DEPARTMENT OF FOREST, ENVIRONMENT & CC, GOVT. OF ODISHA]
Plot No 287/A, 1st Lane, Kasturi Nagar, Rayagada, 765001

FORM-III (See Rule 10)

AUTHORISATION ORDER

Letter No. 1555 **SPCB/Authorization (Biomedical Waste)** **Date: 19.04.2022**
RGD/BMW/AUTH/107 **BY REGD.POST**

Sub: Authorization under Biomedical Waste Management Rules, 2016 and Amendment thereof for operating a facility for collection, transportation, reception, treatment, storage and disposal.

Ref: Your online application no **3672058.**

Dr N V Jagannadha Rao, Registrar, of **M/s GIET University, Gunupur** an Occupier of the facilities **i.e. University Dispensary, Microbiology Lab of Biotechnology Department & Pathological Lab of Nursing Institution** located in the Premises of **GIET University, At/PO-Gunupur, District- Rayagada, Odisha** is hereby granted an authorization for operating a facility for.

Sl NO	Activity	Please tick	Sl NO	Activity	Please tick
1	Generation,	✓	7	Transportation	
2	Segregation	✓	8	Treatment or processing or conversion	✓
3	Collection,	✓	9	Recycling	
4	Storage	✓	10	Disposal or destruction	✓
5	Packaging		11	Use offering for sale, transfer	
6	Reception		12	Any other form of handling	

The Authorization shall be in force from the date of issue of this order until further orders.

This authorization is subject to the conditions, standards & special conditions stated below.

(A) GENERAL CONDITIONS:

1. The authorization shall comply with the provisions of the Environment (Protection) Act, 1986 and the rules made there under.
2. The authorization or its renewal shall be produced for inspection at the request of an officer authorized by the prescribed authority, i.e., State Pollution Control Board, Odisha.
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the biomedical wastes without obtaining prior permission of the State Pollution Control Board, Odisha.
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
5. It is the duty of the occupier to report major accidents including accidents caused by fire hazards, blasts during handling of bio-medical waste and the remedial action taken and the records relevant thereto, (including nil report) in Form-I to the prescribed authority and also along with the annual report.

6. The biomedical waste container shall be labeled as specified schedule-IV of the rules.
7. Untreated Bio-medical waste shall not be stored beyond a period of forty-eight hours.
8. The biomedical waste disposal site shall be properly fenced and suitable notice with warning shall be displayed.
9. The biomedical waste disposal site shall be selected and developed in a manner so that ground, water surface water or ambient air shall not be adversely affected.
10. Every authorised person shall maintain records related to the generation, collection, reception, storage, transportation, treatment, disposal or any other form of handling of bio-medical waste and all records shall be subject to inspection and verification of the officials of State Pollution Control Board, Odisha at any time
11. The State Pollution Control Board, Odisha reserves the right to modify, revoke or review the authorization granted.
12. The occupier shall ensure segregation, treatment and disposal of wastes as stated in Part-1 and Part-2 below or ensure requisite treatment and disposal of segregated waste at the common facility/centrally located facility authorized by State Pollution Control Board, Odisha.

(B) STANDARDS FOR TREATMENT AND DISPOSAL OF BIOMEDICAL WASTES.

Standards for treatment and disposal of biomedical wastes shall be followed as per Schedule-II of the Rules **(Annexure-I).**

(C) <u>SPECIAL CONDITIONS:</u>

1. This authorization is issued under the category of Research or Educational Institutions for **NIL** no. of beds. For any increase in no of beds, the applicant shall obtain prior permission of the prescribed authority.
2. The unit shall deposit the balance authorization fees (if any) within 30 days from the date of issue of authorization to keep this order in force.
3. Biomedical wastes shall not be mixed with general wastes. Under no circumstances untreated biomedical waste shall be handed over to the Municipality/ NAC for disposal in landfill site.
4. The occupier shall treat the segregated biomedical wastes in the manner described or **shall ensure requisite treatment of segregated wastes at the common facility, authorized by State Pollution Control Board, Odisha.**
5. The occupier shall pre-treat the laboratory waste, microbiological waste, blood samples and blood bags through disinfection or sterilization on-site in the manner as prescribed by the World Health Organization (WHO) or National AIDs Control Organization (NACO) guidelines and then sent to the common bio medical waste treatment facility for final disposal.
6. Unit has to provide adequately designed deep burial pits (2 nos.) & safe pit for sharps (1 No.) in its contaminant area within 15 days from date of issue of this authorisation order to keep this order in force.
7. Unit has to provide adequate capacity of Autoclave within three months from the date of issue of this authorisation order for better treatment of Bio Medical Wastes being generated from the unit.
8. The occupier shall ensure that bio-medical waste is handled without any adverse effect to human health and the environment and in accordance with the rules.
9. The disposal of Solid Waste other than bio-medical waste shall be made in accordance with the provisions of Solid Waste (Management) Rules, 2016 and amended from time to time.
10. The handling and disposal of all mercury and lead waste shall be in accordance the respective rules and regulations.
11. The occupiers shall ensure proper segregation of waste at the source of generation before treatment and disposal as stipulated. In case of handing it over to the common facility/centrally located facility, the segregated waste in coloured bags or containers shall be stored safely at a place within the premises from where the common facilitator/operator of centrally located facility can collect the segregated waste.
12. The occupier of all bedded health care facility shall maintain and update on day to day basis the bio-medical waste management register in terms of category and colour coding as stipulated in this order and display the monthly record on its website. Annual report (in form-IV) also shall be displayed on its website.
13. The occupier shall establish a bar-code system for bags or containers containing bio-medical waste to be sent out if any to the common facility or centrally located facility.
14. The occupier of the facility shall submit the annual report for the period from January to December of the preceding year in Form-IV specified in principal rule by 30th of June of every year.
15. The occupier shall phase out use of chlorinated plastic bags used for storing and transportation of wastes with immediate effect.

GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY UNIVERSITY, ODISHA, GUNUPUR

16. The occupier shall provide training to all its health care workers and others, involved in handling of bio-medical waste at the time of induction and thereafter at least once every year and the details of training programmes conducted, number of personnel trained and number of personnel not undergone any training shall be provided in the Annual Report.
17. The occupier shall immunize all its health care workers and others, involved in handling of bio-medical waste for protection against diseases including Hepatitis B and Tetanus that are likely to be transmitted by handling of bio-medical waste.
18. The occupier shall conduct health check up at the time of induction and at least once in a year for all its health care workers and others involved in handling of bio-medical waste and maintain the records for the same.
19. The unit shall comply to the duties of Occupier specified in Rule 4 **(Annexure-II).**
20. **The Unit shall furnish copy of the license of the Health Department, Govt. of Odisha, within 30 Days from the date of issue of this order to keep this authorization in force.**
21. The occupier shall designate a qualified person/constitute a committee to review and monitor the activities relating to bio-medical waste management within that establishment.

To

Dr N V Jagannadha Rao, Registrar
M/s GIET University, Gunupur,
At/PO- Gunupur
Dist- Rayagada, Odisha.

19-04-2022
REGIONAL OFFICER

Memo No: 1556(4) **Dt:** 19-04-2022

Copy forwarded to

1. The Member Secretary, State Pollution Control Board, Odisha, Bhubaneswar.
2. The Collector & District Magistrate, Rayagada.
3. The C.D.M.O, Rayagada.
4. Guard File.

19-04-2022
REGIONAL OFFICER

Annexure-I

SCHEDULE II
[See rule 4 (1), 7(1) and 7 (6)]
STANDARDS FOR TREATMENT AND DISPOSAL OF BIO-MEDICALWASTES

1. INCINERATOR.

(i) Operating Standards

Operating standard	
Parameters	**Operating Standards**
Combustion efficiency (CE) shall be at least	99%
Temperature of primary chamber	800
i) Temperature of secondary chamber ii) Gas residence time in secondary chamber	i) 1050^0 C $\pm$ 50^0C ii) At least 2 seconds

(ii) Emission standards

Sl. No.	Parameters	Standards	
(1)	(2)	(3)	(4)
		Limiting concentration in mg Nm3 unless stated	**Sampling Duration in minutes, unless stated**
1.	Particulate matter	50	30 or $1NM^3$ of sample volume, whichever is more
2.	Nitrogen Oxides NO and NO2 expressed as NO2	400	30 for online sampling or grab sample
3.	HCl	50	30 or $1NM^3$ of sample volume, whichever is more
4.	Total Dioxins and Furans	0.1ngTEQ/Nm3 (at 11% O_2)	8 hours or $5NM^3$ of sample volume, whichever is more
5.	Hg and its compounds	0.05	2 hours or $1NM^3$ of sample volume, whichever is more

(iii) Stack Height: Minimum stack height shall be 30 meters above the ground and shall be attached with the necessary monitoring facilities.

Note:

a) Pollution control device shall be installed in the incinerator to achieve the emission limits.
b) Wastes to be incinerated shall not be chemically treated with any chlorinated disinfectants.
c) Ash from incineration of biomedical waste shall be disposed of at Common Hazardous Waste Treatment and Disposal Facility. However, it may be disposed of in municipal landfill, if the toxic metals in incineration ash are within the regulatory quantities as defined under the Hazardous and Other Wastes (Management and Tran boundary Movement) Rules, 2016 as amended from time to time.
d) Only low Sulphur fuel like Light Diesel Oil or Low Sulphur Heavy Stock or Diesel, Compressed Natural Gas, Liquefied Natural Gas or Liquefied Petroleum Gas shall be used as fuel in the incinerator.
e) The occupier or operator of the incinerator shall install continuous emission monitoring system for the parameters as stipulated in authorization and transmit the data real time to the servers at State Pollution Control Board and Central Pollution Control Board.
f) All monitored values shall be corrected to 11% Oxygen on dry basis.

2. MICROWAVE

Standards for Microwaving

I. Microwave treatment shall not be used for Cytotoxic, hazardous or radioactive wastes, contaminated animal carcasses, body parts and large metal items.
II. The microwave system shall comply with the efficacy test/routine tests and a performance guarantee may be provided by the supplier before operation of the unit.

III. The microwave should completely and consistently kill the bacteria and other pathogenic organisms that are ensured by approved biological indicator at the maximum design capacity of each microwave unit. Biological indicators for microwave shall be Bacillus atrophaeusspores using vials or spore strips with at least 1 x 10^4 spores per detachable strip. The biological indicator shall be placed with waste and exposed to same conditions as the waste during a normal treatment cycle.

3. AUTOCLVE

Standards for Autoclaving

The autoclave should be dedicated for the purposes of disinfecting and treating bio-medical waste. When operating a gravity flow autoclave, medical waste shall be subjected to the following standards.

Following standards.

TEMPERATURE (in degree centigrade)	PRESSURE (pounds per square inch)	RESIDENCE TIME (in minutes)
Not less than 121	15	Not less than 60
Not less than 135	31	Not less than 45
Not less than 149	52	Not less than 30

When operating a vacuum autoclave, medical waste shall be subjected to a minimum of three pre-vacuum pulses to purge the autoclave of all air. The air removed during the pre-vacuum, cycle should be decontaminated by means of HEPA and activated carbon filtration, steam treatment, or any other method to prevent release of pathogen. The waste shall be subjected to the following.

TEMPERATURE (in degree centigrade)	PRESSURE (pounds per square inch)	RESIDENCE TIME (in minutes)
Not less than 121	15	Not less than 60
Not less than 135	31	Not less than 45

Medical waste shall not be considered as 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 indicator 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.

4. LIQUID WASTE.

Standards for liquid waste

(1) The effluent generated or treated from the premises of occupier or operator of a common bio medical waste treatment and disposal facility, before discharge into the sewer should conform to the following limits-

PARAMETERS	PERMISSIBLE LIMITS
pH	6.5-9.0
Suspended solids	100 mg/l
Oil and grease	10 mg/l
BOD	30 mg/l
COD	250 mg/l
Bio-assay test	90% survival of fish after 96 hours in 100% effluent

Note:

a. The above limits applicable to the occupiers of health care units (bedded) which are either connected with sewerage network without terminal STP or Not-connected to public sewers.
b. Non bedded occupiers shall dispose of liquid wastes after treatment by disinfection as specified in this order.
c. For discharge into public sewers with terminal facilities, the general standards as notified under the E (P) Act, 1986 (29 of 1986) shall be applicable.

(ii) *Sludge from Effluent Treatment Plant shall be given to common bio-medical waste treatment facility for incineration or to hazardous waste treatment, storage and disposal facility for disposal.*

5. Standards for Deep Burial

(a) A pit or trench should be dug about 2 meters deep. It should be half filled with waste, and then covered with lime within 50 cm of the surface before filling the rest of the pit with soil.
(b) It must be ensured that animals do not have any access to burial sites.
(c) On each occasion when wastes are added to the pit a layer of 10 cm of soil shall be added to cover the wastes.
(d) Burial must be performed under close and dedicated supervision
(e) The deep burial site should be relatively impermeable and no shallow well should be close to the site.
(f) The pit shall be distant from the habitation, and sited so as to ensure that no contamination occurs of any surface water or ground water. The area should not be prone to flooding or erosion.
(g) The facilitator (authorized person) shall maintain a record of all pits for deep burial.
(h) The ground water table level should be a minimum of six meters below the lower level of deep burial pit.

6. Standards for efficacy of chemical disinfection

Microbial inactivation efficacy is equated to "Log10 kill" which is defined as the difference between the logarithms of number of test microorganisms before and after chemical treatment. Chemical disinfection methods shall demonstrate a 4 Log10 reduction or greater for Bacillus Subtilis (ATCC 19659) in chemical treatment systems

Part-1

Biomedical wastes categories and their segregation, collection, treatment, processing and disposal of waste

Category	Type of Waste	Type of Bag or Container to be used	Treatment and Disposal options
(1)	(2)	(3)	(4)
Yellow	**a) Human Anatomical Waste:**	Yellow coloured non-chlorinated plastic bags	Incineration or Plasma Pyrolysis or deep burial*
	(b)Animal Anatomical Waste :		
	(c) Soiled Waste:	Yellow coloured non-chlorinated plastic bags	Incineration or deep burial* In absence of above facilities, autoclaving or micro-waving/ hydroclaving followed by shredding or mutilation. Treated waste to be sent for energy recovery.
	(d) Expired or Discarded Medicines:	Yellow coloured non-chlorinated plastic bags or containers	Expired `cytotoxic drugs and items contaminated with cytotoxic drugs to be returned back to the manufacturer or supplier or disposed by Incineration at authorizers Common Bio-medical Waste Treatment facility or hazardous waste treatment and Disposal Facility or Hazardous Waste treatment, Storage and Disposal Facility.
	(e) Chemical Waste:	Yellow coloured containers or non-chlorinated plastic bags	Disposed of by incineration or Plasma Pyrolysis or Encapsulation in hazardous waste treatment, storage and disposal facility.
	(f) Chemical Liquid Waste:	Separate collection system leading to effluent treatment system	After resource recovery, the chemical liquid waste shall be pre-treated before mixing with other wastewater. The combined discharge shall conform to the discharge norms.
	(g) Discarded linen, mattresses, beddings Contaminated with blood or body fluid.	Non-chlorinated yellow plastic bags or suitable packing material	Non- chlorinated chemical disinfection followed by incineration or Plazma Pyrolysis or for energy recovery. In absence of above facilities, shredding or mutilation or combination of sterilization and shredding. Treated waste to be sent for energy recovery or incineration.

	(h) Microbiology, Biotechnology and other clinical laboratory waste:	Autoclave or microwave safe plastic bags or containers	Pre-treat to sterilize with non-chlorinated chemicals on-site as per WHO guidelines on Safe Management of Waste from health care activities and WHO Blue Book, 2014 and thereafter sent for incineration.
Red	**Contaminated Waste (Recyclable)** (a) Wastes generated from disposable items such as tubing, bottles, intravenous tubes and sets, catheters, urine bags, syringes (without needles and *fixed needle syringes*) and vaccutainers with their needles cut) and gloves.	Red coloured non-chlorinated plastic bags or containers	Autoclaving or micro-waving/ hydroclaving followed by shredding or mutilation or combination of sterilization and shredding. Treated waste to be sent registered or authorized recyclers or for energy recovery or plastics to diesel or fuel oil or for road making, whichever is possible. Plastic waste should not be sent to landfill sites.
White (Translucent)	**Waste sharps including Metals:** Needles, syringes with fixed needles, Scalpels, blades, or any other contaminated sharp object that may cause puncture and cuts.	Puncture proof, Leak proof, tamper proof containers	Autoclaving or Dry Heat Sterilization followed by shredding or mutilation or encapsulation in metal container or cement concrete.
Blue	**(a) Glassware:** Broken or discarded and contaminated glass including medicine vials and ampoules except those contaminated with cytotoxic wastes.	Puncture and Leak proof boxes with blue coloured marking.	Sodium Hypochlorite treatment or through autoclaving or microwaving or hydroclaving and then sent for recycling.
	(b) Metallic Body Implants	Puncture and Leak proof boxes with blue coloured marking.	

*** Disposal by deep burial is permitted only in rural or remote areas where there is no access to common biomedical waste treatment facility. This will be carried out with as per the Standards specified.**

Part -2

1. All plastic bags shall be as per BIS standards as and when published, till then the prevailing Plastic Waste Management Rules shall be applicable.
2. Chemical treatment using at least 1% to 2% Sodium Hypochlorite having 30% residual chlorine for twenty minutes or any other equivalent chemical reagent that should demonstrate Log104 reduction efficiency for microorganisms or greater for *Bacillus subtilis* (ATCC19659) in chemical treatment system.
3. Mutilation or shredding must be to an extent to prevent unauthorized reuse.
4. There will be no chemical pretreatment before incineration, except for microbiological, lab and highly infectious waste.
5. Incineration ash (ash from incineration of any bio-medical waste) shall be disposed through hazardous waste treatment, storage and disposal facility, if toxic or hazardous constituents are present beyond the prescribed limits as given in the Hazardous (Management and Transboundary Movement) Rules, 2016 or as revised from time to time.
6. Cytotoxic drug vials shall not be handed over to unauthorized person under any circumstances. These shall be sent back to the manufactures for necessary disposal at a single point. As a second option, these may be sent for incineration at common/centrally located bio-medical waste treatment and disposal facility or hazardous waste, treatment, storage & disposal facility.
7. Installation of in-house incinerator is not allowed. However in case there is no common biomedical facility nearby, the same may be installed by the occupier after taking authorisation from the State Pollution Control Board.

Annexure-II

Rule 4. Duties of the Occupier- It shall be the duty of every occupier to-

a) Take all necessary steps to ensure that bio-medical waste is handled without any adverse effect to human health and the environment and in accordance with these rules;
b) Make a provision within the premises for a safe, ventilated and secured location for storage of segregated biomedical waste in colored bags or containers I the manner as specified in Schedule I, to ensure that there shall be no secondary handling, pilferage of recyclables or inadvertent scattering or spillage by animals and the bio-medical waste from such place or premises shall be directly transported in the manner as prescribed in these rules to the common bio-medical waste treatment facility or for the appropriate treatment and disposal, as the case may be, in the manner as prescribed in Schedule I;
c) Pre-treat the laboratory waste, microbiological waste, blood samples and blood bags through disinfection or sterilization on-site in the manner as prescribed by the World Health Organization (WHO) or National AIDs Control Organization (NACO) guidelines and then sent to the common bio medical waste treatment facility for final disposal;
d) Phase out use of chlorinated plastic bags, gloves and blood bags within two years from the date of notification of these rules;
e) Dispose of solid waste other than bio-medical waste in accordance with the provisions of respective waste management rules made under the relevant laws and amended from time to time;
f) Not to give treated bio-medical waste with municipal solid waste;
g) Provide training to all its health care workers and others, involved in handling of bio medical waste at the time of induction and thereafter at least once every year and the details of training programmes conducted, number of personnel trained and number of personnel not undergone any training shall be provided in the Annual Report;
h) Immunise all its health care workers and others, involved in handling of bio-medical waste for protection against diseases including Hepatitis B and Tetanus that are likely to be transmitted by handling of bio-medical waste, in the manner as prescribed in the National Immunisation Policy or the guidelines of the Ministry of Health and Family Welfare issued from time to time;
i) Establish a Bar-Code System for bags or containers containing bio-medical waste to be sent out of the premises or place for any purpose within one year from the date of the notification of these rules;
j) Ensure segregation of liquid chemical waste at source and ensure pre-treatment or neutralization prior to mixing with other effluent generated from health care facilities;
k) Ensure treatment and disposal of liquid waste in accordance with the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974);
l) Ensure occupational safety of all its health care workers and others involved in handling of biomedical waste by providing appropriate and adequate personal protective equipments;
m) Conduct health check up at the time of induction and at least once in a year for all its health care workers and others involved in handling of bio- medical waste and maintain the records for the same;
n) Maintain and update on day to day basis the bio-medical waste management register and display the monthly record on its website according to the bio-medical waste generated in terms of category and colour coding as specified in Schedule I;
o) Report major accidents including accidents caused by fire hazards, blasts during handling of bio medical waste and the remedial action taken and the records relevant thereto, (including nil report) in Form I to the prescribed authority and also along with the annual report;
p) Make available the annual report on its web-site and all the health care facilities shall make own website within two years from the date of notification of these rules;
q) Inform the prescribed authority immediately in case the operator of a facility does not collect the bio-medical waste within the intended time or as per the agreed time;
r) Establish a system to review and monitor the activities related to bio-medical waste management, either through an existing committee or by forming a new committee and the Committee shall meet once in every six months and the record of the minutes of the meetings of this committee shall be submitted along with the annual report to the prescribed authority and the healthcare establishments having less than thirty beds shall designate a qualified person to review and monitor the activities relating to bio-medical waste management within that establishment and submit the annual report;
s) Maintain all record for operation of incineration, hydro or autoclaving etc. for a period of five years;
t) Existing incinerators to achieve the standards for treatment and disposal of bio-medical waste as specified in Schedule II for retention time in secondary chamber and Dioxin and Furans within two years from the date of this notification.

GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY UNIVERSITY, ODISHA, GUNUPUR

Startup Odisha

ODISHA
NEW OPPORTUNITIES

Registration No. : OSP/IB/00022

Micro, Small & Medium Enterprises Department
Government of Odisha

CERTIFICATE OF RECOGNITION

This is to certify that **ACIC GIET UNIVERSITY FOUNDATION** incorporated as a **PRIVATE LIMITED COMPANY (UNDER THE COMPANIES ACT, 2013)** vide no. **U80221OR2020NPL033106** dated , as per MCA21 portal is recognised as a '**Incubator**' under the Odisha Startup Policy - 2016.

Date of Issue: 19-04-2022
Place of Issue: Bhubaneswar, Odisha

Note:
- Authorities accepting this Certificate may check its validity on the Startup Odisha portal (www.startupodisha.gov.in)
- This is a system generated certificate and hence does not require physical signature

Issued by:
IED ODISHA
Institute of Entrepreneurship Development & Startup Secretariat, Odisha
Sector-A, Zone-A, Plot no-123,
Mancheswar Industrial Estate,
Bhubaneswar-751010.

GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY UNIVERSITY, ODISHA, GUNUPUR

OFFICE OF THE
SUB-COLLECTOR & SUB DIVISIONAL MAGISTRATE, GUNUPUR
Email: subcollectorgunupur@gmail.com Contact No. 06857-251521

COURT OF THE SUB-COLLECTOR GUNUPUR

TO WHOMSOEVER IT MAY CONCERN

This is to certify that all the Blocks under Gunupur Sub Division has been declared as Tribal Sub Plan area by Govt. of Odisha in ST & SC Development, Minorities & Backward Classes Welfare Department and an Integrated Tribal Development Agency has also been established at Gunupur. Gandhi Institute of Engineering and Technology University (G.I.E.T.U.) is situated at Village-Gobariguda, Post-Kharling under Gunupur Sub Division.

Sub Collector-cum-Sub Divisional Magistrate,
Gunupur
SUB-COLLECTOR
GUNUPUR

Memo No. 387 **/2023** **Dated the 25th Jan, 2023.**

Copy forwarded to the Registrar, G.I.E.T. University, Gunupur for information and necessary action.

Sub Collector-cum-Sub Divisional Magistrate,
Gunupur
SUB-COLLECTOR
GUNUPUR

GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY UNIVERSITY, ODISHA, GUNUPUR

ଓଡ଼ିଶା ओडिशा ODISHA 56AA 285795

AGREEMENT

This agreement is entered into this day **01.06.2023** by and in between **Renewable Envirogic Private Limited.** Whereas **Renewable Envirogic Private Limited** having its office **At-Sialbahal, Jhankarpali, Balangir-767024**, hereafter referred to as **"Renewable Envirogic Private Limited"** is permitted by the Odisha State Pollution Control Board to set up a Common Bio-Medical Waste Treatment Facility (CBWTF) at Jhankaraplli, Balangir having autoclave /Microwave /incinerator /ETP /Shredder etc.

AND

Dr. N.V Jagannadha Rao, Registrar of M/s GIET University, Gunpur, Rayagada. Whereas

NVRao
Registrar
GIET University, Gunupur

RENEWABLE ENVIROGIC PVT LTD
Managing Director

Hereinafter referred to as "Client" where **Bio-Medical Waste Management (BMWM)** as defined in Schedule-I of the Ministry of Environment & Forest Government of India Notification Date is generated in the ordinary course of their business diagnosis and treatment of patients.

Whereas the "Client "hereby agrees to enroll with the **Common Bio-Medical Waste Treatment Facility (CBWTF)** as a client and have their bio-medical waste treated and disposed of by "Renewable Envirogic" as per the norms stipulated by the Pollution Control Board and "Renewable Envirogic" agrees to collect transport, treat and dispose of the BMW generated by the:" Client" and both parties have agreed in the modifies and terms conditions therefore herein below: -

1-The Client agrees to have the BMW generated in their premises properly segregated by this staff and kept in colour-coded closed bags as per Schedule-I of the notification at a place in their premises designated by" **Renewable Envirogic**"

2-"**Renewable Envirogic**" will have the closed bags filled with BMW collectedby their staff from the premises of "Client" at pre-determined intervals and wait for transport of the same in their vehicles.

3-The evacuation of BMW from the Client's premises will be done by "**Renewable Envirogic**" as per BMW management rule-2016 without fail for smaller **HCl/Clinics** who are not generating BMW everyday Renewable Envirogic "will evacuate the BMW either on telephonic call of the "Client" or in alternative days. The "Client" of their designated person will be given as acknowledgement by the staff of **Renewable Envirogic** "specifying the quantities & number of the colour-coded bags. The person authorized by the "Client" will give service to get the compliance certificate from the PCB.

4-This agreement authorizes the "Client" to inform the OPCB that they have enrolled with the **CBWMTF of Renewable Envirogic**" and their waste is being processed by Renewable Envirogic". The "Client" has a statutory obligation to submit an application to OPCB and obtain authorization to generate BMW and has to submit yearly reports to them.

RENEWABLE ENVIROGIC PVT. LTD.
Managing Director

GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY UNIVERSITY, ODISHA, GUNUPUR

5-The "Client" will purchase the bags and plastic bins required for the purpose "**Renewable Envirogic** "and agree to assist the "Client" in procuring the same. If so desired by the client later or Renewable Envirogic" also can provide colour bags during the period.

6-The agreement will be in force for **10 years**. The "Client" agrees not to enter into any agreement for the disposal of their BMW with any other party during theperiod.

7-The "Client" agrees to pay the designated fee to Renewable Envirogic which iscalculated at **3000/-INR Flat per month**. The **amount will be increased @5% every twelve months** for example **3150/-INR** per month in the next twelve months. In case the bed strength increases in future the flat rate will be revisedaccordingly to the number of beds.

8-The exact bed strength will be taken from the declaration given by the "client" to the OPCB while taking authorization or the number physically verified and confirmed whichever is the highest Bed strength of the client willbe verified every year or when the client expands its bed strength.

9-At present client declares his bed strength is **"0"**

10-Renewable Envirogic "will forward the bill for each month before the **5th of the next month**. The client promises to pay the bill to Renewable "Envirogic "promptly within the **12th of every month.** If payment is made beyond the due date**2%** of the bill amount subject to a minimum of **Rs.75/-** will be lived in the next service bill as late payment charge.

11-Renewable Envirogic will stop picking up the BMW from the "client" if the bill remains unpaid beyond the 15th of the month or is payable.

12-Renewable Envirogic will not pick up the BMW if it is not segregated as per the BMW Rules of MoEF or packed improperly or if general garbage is mixed up in the BMW. This will render the client open to prosecution by OPCB authorities for failure to conform to the BMW Rules. However, Renewable Envirogic shall render free training on proper bio-medical waste degradation as per the BMW Rules 2016 to the waste handlers of the client.

Registrar
GIET University, Gunupur

RENEWABLE ENVIROGIC PVT LTD
Managing Director

GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY UNIVERSITY, ODISHA, GUNUPUR

13- Renewable Envirogic undertakes that they will collect transport treat and dispose of the BMW strictly as per BMW rules.

14- Renewable Envirogic hereby indemnifies yearly as responsibility liability with regards to their BMW disposal as long as the "Client" implements BMW rules as far as segregation is concerned and pays the bills of Renewable Envirogic.

15- Renewable Envirogic will keep their plant in good running condition at all times and ensure availability of service to the "client" on all days withoutfalls.

16- The "Client" will pay an amount equivalent to **9000/-**INR based on their flat to Renewable Envirogic at the time of execution of the agreement if any time Renewable Envirogic will stop picking up the BMW from the Client for non-payment of service charge(Clause-11) then the client will pay an amount equivalent to 12 months service bill as a security deposit to Renewable Envirogicat the time of restart the operation of the HCI within **Three months** of the agreements then the agreement stands automatically void and the amount will be forfeited, if the client cancels the agreements before the start of service then month equivalents of service charge will be deducted as cancellation charges.

17- This agreement is entered into by the "Clients" on the express understanding that Renewable Envirogic will maintain and operate the CBWTF Collect, Transport, and Treatment & Disposal of the BMW from the premises of the responsibility of Renewable Envirogic to obtain the consent from the OPCB every year and keep the same always current. The Client will in no manner bear responsibility for omissions/commissions. If any is committed by Renewable Envirogic although the parties and dealing in a principal-agent relationship.

18- In case of any violations by any of the agreements by either side. The same may be terminated by the issue of notice in writing **Three months in advance** by either party for terminating their respective obligation. Notice shall not be applicable in the event the service bills are not paid by the "Clients" as provided in **clause-7** of this agreement.

Registrar
GIET University, Gunupur

RENEWABLE ENVIROGIC PVT LTD
Managing Director

19- In case of any disputes arising out of the obligation of each party as per this agreement the same shall be as far as possible settled by mutual negotiations. In case of failure of negotiation, an arbitrator from each side willbe nominated who will resolve the issue by mutual discussion as per the Arbitration &Cancelation Act 1996. The decision of the arbitrator shall be final and binding on both the parties. The seat of arbitration shall be at Bhubaneswar.

All the above points will have legal bindings for a minimum period of ten years from the date of this agreement.

Signed sealed and delivered this day **01.06.2023** both parties have put their hand to this deed of their free will.

For the "Client"

For

RENEWABLE ENVIROGIC PVT LTD.

Managing Director

Director

Seal (2nd Party)

Registrar Registrar GIET University, Gunupur

Seal (1st Party)

WITNESS (1)

WITNESS (1)

Rajat Kumar Panigrahi

Annexure-1

RENEWABLE ENVIROGIC PRIVATE LIMITED

Balangir

RATE PER INTEREST

1-For GIET University/per month Rs.3000/-

2-Security Deposit: Rs.3000 x 3 months= Rs.9000/-

3-Bar Code = Rs.13600/-(1 Year) (When/If Applicable)

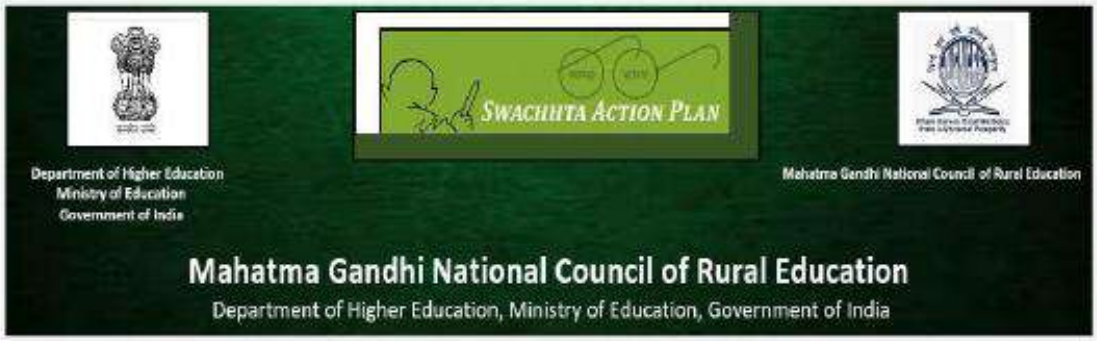
For Renewable Envirogic Private Limited

Authorized Signatory.

GANDHI INSTITUTE OF ENGINEERING AND TECHNOLOGY UNIVERSITY, ODISHA, GUNUPUR

Mahatma Gandhi National Council of Rural Education
Announces the Recipients of
"One District One Green Champion" Awards!
Swachhta Action Plan 2020-2021

CONGRATULATIONS!!



SL.NO	STATE/UT	DISTRICT	HIGHER EDUCATION INSTITUITION
1.	ANDAMAN & NICOBAR ISLANDS	SOUTH ANDAMAN	ANDAMAN COLLEGE (ANCOL)
2.	ANDHRA PRADESH	ANANTAPUR	SRI SATHYA SAI INSTITUTE OF HIGHER LEARNING
3.	ANDHRA PRADESH	CHITTOOR	APOLLO INSTITUTE OF MEDICAL SCIENCES AND RESEARCH
4.	ANDHRA PRADESH	EAST GODAVARI	P.R. GOVERNMENT COLLEGE (AUTONOMOUS), KAKINADA
5.	ANDHRA PRADESH	GUNTUR	KONERU LAKSHMAIAH EDUCATION

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			MAHAVIDYALAYA
198.	ODISHA	KHORDHA	SIKSHA 'O' ANUSANDHAN
199.	ODISHA	MAYURBHANJ	ANCHALIKA MAHAVIDYALAYA, GADIA
200.	ODISHA	NAYAGARH	DISTRICT INSTITUTE OF EDUCATION AND TRAINING (DIET)
201.	ODISHA	SAMBALPUR	NAKTIDEUL COLLEGE
202.	ODISHA	SUNDERGARH	ASIAN WORKERS DEVELOPMENT INSTITUTE (AWDI), BASTIA MEMORIALTRUST
203.	ODISHA	BALASORE	BALASORE INSTITUTE OF TECHNICAL STUDIES
204.	ODISHA	DHENKANAL	SYNERGY INSTITUTE OF ENGINEERING & TECHNOLOGY
205.	ODISHA	RAYAGADA	GIET UNIVERSITY, GUNUPUR
206.	PUDUCHERRY	KARAIKAL	VINAYAKA MISSION'S COLLEGE OF NURSING
207.	PUDUCHERRY	PUDUCHERRY	ICMR-VECTOR CONTROL RESEARCH CENTRE
208.	PUNJAB	AMRITSAR	BBK DAV COLLEGE FOR WOMEN, AMRITSAR
209.	PUNJAB	BARNALA	S.D. COLLEGE OF PHARMACY
210.	PUNJAB	BATHINDA	MAHARAJA RANJIT SINGH PUNJAB TECHNICAL UNIVERSITY BATHINDA
211.	PUNJAB	FATEHGARH SAHIB	CORDIA INSTITUTES, SANGHOL