

# The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka; Approved by Pharmacy Council of India, New Delhi)

7.1.3: Facilities in the Institution for the management of the following types of Hazardous chemicals and radioactive waste management

S. No.	Particulars	Page No.
.1	Index	1
2	Facilities of management for degradable & non-degradable waste	2-9
3	Standard Operating Procedures	10-15
4	MOU's	16-25









# The Oxford College of Pharmacy

(Recognized by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Science, Karnataka;
Approved by Pharmacy Council of India, New Delhi)

Accredited by NAAC and International Accreditation Organization (IAO)

Facilities in the Institution for the management of the following types of degradable and non-degradable waste

### 1. Solid waste management

The Institution implements solid waste management by enforcing the waste segregation rules. Solid waste includes both biodegradable and non-biodegradable components. The non-biodegradable solid waste generated in the campus include, paper, plastics, metal cans etc. Biodegradable waste includes food waste, vegetable peels, leaves etc.

Dustbins have been provided at designated locations in the campus. Housekeeping/sweepers are allotted to each floor who manage all the waste generated in the campus. All waste/garbage from college and hostel is collected, segregated and disposed of in a proper manner.

Wastes like old newspapers and records is sold to proper recycling agencies/vendors. There is no hazardous waste and radioactive waste is generated inside the campus.

Cleaning activities are carried out using chemicals wherever necessary. Every day, BBMP collects solid waste, and it uses an eco-friendly waste management system to handle any minor amounts of leftover waste.

The main objective of the solid waste management system in The Oxford College of Pharmacy is to promote the conservation and environment management in the Institute Campus. The purpose of the current available system is:

- 1. To introduce and aware students to real concerns of environment sustainability.
- 2. To secure the environment and cut down the threats posed to human health by analysing the pattern and extent of resource use on the campus.

The waste generated in the campus includes paper, old assignment books and blue

PEINCIPAL
The Colored at the Colored Action of Pharmacy
No 665350



No.6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru 560 068 ①: +91-80-61754694; Fax: +91-80-61754699; www.theoxford.edu e-mail: pharmacyprincipal@theoxford.edu; info@theoxford.edu;



# The Oxford College of Pharmacy

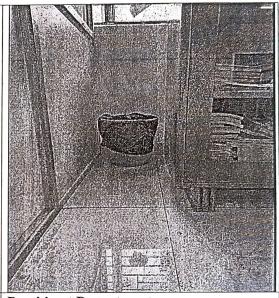
(Recognized by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Science, Karnataka;

Approved by Pharmacy Council of India, New Delhi)

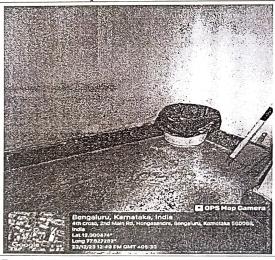
Accredited by NAAC and International Accreditation Organization (IAO)

books wrappers, glass, metals, paper, plastics, Old newspapers, used papers and files, workshop scrap etc. are given for given to external agencies where they segregate and dispose/ recycle according to the nature recycling to external agencies. Glass, metals, plastic and other non- biodegradable wastes are of the waste. Sanitary Napkin Incinerators have been installed in the girls' hostels to facilitate disposal of sanitary napkins in an environment-friendly way. We encourage students and staff not to use plastic items. Also we encourage them to reuse the plastic items.

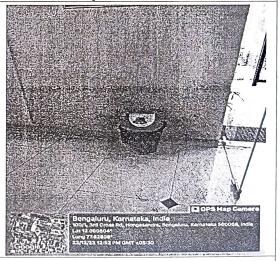




**Dustbin at Department Corridor** 



Dustbin at Department



Dustbin at Department Corridor

**Dustbin at Library** 





# The Oxford College of Pharmacy

(Recognized by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Science, Karnataka;
Approved by Pharmacy Council of India, New Delhi)
Accredited by NAAC and International Accreditation Organization (IAO)

## 2. PhotographsonSolid&LiquidWasteSegregation





Dry waste of canteen and Hostel

Wet waste of canteen

### Liquid Waste Management

The Institution follows a systematic procedure for proper management and disposal of liquid waste. The waste water generated from the sanitary facilities is disposed through a dedicated waste water pipeline. The pipeline drains the waste water into the water chamber. Then, from waste water chamber, it is sent to sewage treatment plant through underground pipes. The sources of waste water in the college campus are as follows,

- Washrooms
- Toilets
- Labs
- RO reject

Liquid waste management and disposal in the laboratories of the Oxford College of Pharmacy are strictly governed by procedure. Glassware used in the lab is rinsed with the least amount of water possible and put in the liquid waste container.

Organic and inorganic trash are separated from the liquid waste. Prior to disposal, inorganic waste such as concentrated acidic or alkaline solutions is neutralized. To ensure that no



# The Oxford College of Pharmacy

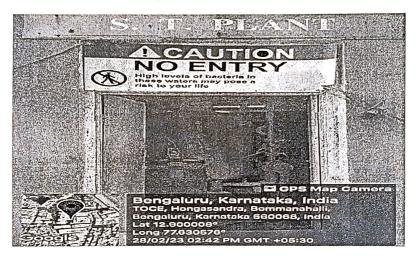
(Recognized by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Science, Karnataka;

Approved by Pharmacy Council of India, New Delhi)

Accredited by NAAC and International Accreditation Organization (IAO)

hazardous substances are present in the neutralization liquid, sodium bicarbonate or calcium oxide (lime) are utilized throughout the neutralization process.

The liquid wastes generated in the campus include Sewage, Laboratory, Laundry, hostel and canteen effluent waste. The above waste is treated through Sewage Treatment Plant (STP) setup in the institution. The entire treated water is used for watering the gardens and lawns maintained in the campus. The sludge settled in the STP is removed and is dried on drying beds and used as manure for the gardens. Therefore, the entire waste water generated in the campus is treated and reused.



### 3. Photographs on E- waste Management

We don't have a lot of electronic waste because we are a Pharmacy College, so any kind of electronic waste is produced like keyboard, CPU etc. are handed over to The Oxford Engineering College.

The Engineering College hand over the E-wastes such as electronic components (plastic/metallic) are to agencies which help recycle these materials. E-waste generated in each department is listed and handed over to the facilities manager. Then, the e-waste is disposed through vendors.

The e-waste consists of CPUs, monitors, projectors, motherboards, keyboards, obsolete





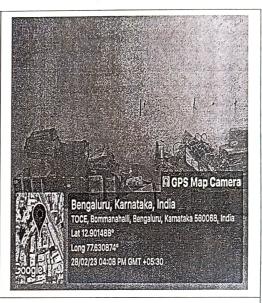
# The Oxford College of Pharmacy

(Recognized by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Science, Karnataka;
Approved by Pharmacy Council of India, New Delhi)

Accredited by NAAC and International Accreditation Organization (IAO)

computer spare parts, mouse etc. The equipment which cannot be refurbished for re-use is dismantled and remanufactured into raw materials (i.e. metals, plastics, glass) to be marketed as recyclable. UPS Batteries are recharged / repaired / exchanged by the suppliers. The waste compact discs and other disposable non- hazardous items are used by students for decoration during college fests as a creative means of showcasing the waste management practice that has been induced in the minds of the students.











# The Oxford College of Pharmacy

(Recognized by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Science, Karnataka;
Approved by Pharmacy Council of India, New Delhi)

Accredited by NAAC and International Accreditation Organization (IAO)

### 4. Water Recycling System

Water Recycling is the process of treating waste water and putting it back into circulation. The water is treated to filter solids and remove certain contaminators, which can be organic or inorganic. The treatments required depend on the types of contaminants in the water and the desired specification of the purified product.

The waste water from the institute is processed in water recycling system. The purified water is reused for watering of plants and in toilets for flushing.



### 5. PhotographsonHazardouschemicals waste management

This indicator addresses hazardous waste, laboratories, medical waste, art supplies, colors, dies and chemicals used in campus maintenance. Hazardous materials represent significant risks to human health and ecological integrity. They often persist in the environment leaving a legacy of land and water contamination for generations.

It is observed that in the department of Chemistry hazardous chemicals are handled for practical purpose and these hazardous chemical wastes are drain out with basin water directly to the garden and producing negative impact on environment. In some extent it produces an air, soil, water pollution.







# The Oxford College of Pharmacy

(Recognized by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Science, Karnataka; Approved by Pharmacy Council of India, New Delhi)

Accredited by NAAC and International Accreditation Organization (IAO)



### 6. Bio - Medical Waste Management

All medical waste must be disposed of responsibility, even if it is not considered particularly hazardous in order to reduce the risks of human infection, the spread of infections and the emergence of epidemices, it is important to properly sort and dispose of medical waste.

The Bio-Medical waste generated by the institutes are segregated and sorted seperately in 3 different bins until further processing by the external vendors.

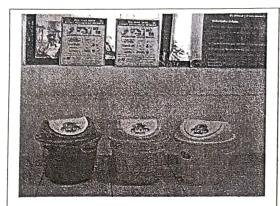


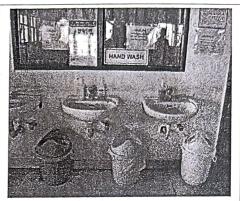


# The Oxford College of Pharmacy

(Recognized by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Science, Karnataka;
Approved by Pharmacy Council of India, New Delhi)

Accredited by NAAC and International Accreditation Organization (IAO)













## The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka, Affillated to Rajiv Gandhi University of Health Sciences, Karnataka; Approved by Pharmacy Council of India, New Delhi)

No.TOCP/IQAC/294/SOP/2021-22

09/11/2021

### STANDARD OPERATING PROCEDURES

### SOP For Disposal & Liquid Waste

### Liquid Waste

Liquid wastes, e.g. culture media and serum, are deactivated either by autoclaving or chemical disinfection. Most liquid wastes can be deactivated with bleach.

- Chemically disinfect with a 1:10 final dilution (vol/vol) of household bleach.
- Swirl flask contents and allow a contact time of 30 minutes.
- \* Pour down a sink drain connected to the campus sewage system and flush the plumbing with an excess of water. Alternatively, liquid waste may be autoclaved for 30 minutes at 121°C and 15psi.

#### Solid Waste

- Solid biological waste, e.g., pipettes, culture flasks, and multiple well plates, is typically deactivated by autoclaving.
- Collect solid biological waste directly into autoclavable bags.
- Tie a knot using the upper third of the bag and affix heat sensitive indicator tape near the knot.
- Use a secondary container for all autoclave bags until disposal.
- Ensure the autoclave operates for 30 minutes at 121°C and 15psi.

#### List of Do's and Don'ts

#### Do's

- \* Access to the laboratory is limited or restricted when experiments are in progress.
- ❖ Should use mechanical pipetting devices.
- Should wash hand after handling the material and before the existing the laboratory.
- Should wipe the bench with a cleaning agent.

#### Don'ts

- . Do not do mouth pipetting.
- Do not eat, drink, smoke, and not apply cosmetics in the work area.
- ❖ All other tubes and tips used in the project do not come in contact with the bacteria.

No.6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru –560 068 ①: +91-80-61754694; Fax: +91-80-61754699; www.theoxford.edu e-mail: pharmacyprincipal@theoxford.edu; info@theoxford.edu;

koss, Begur Roan, Hongasundra

Bangalore - 560 068



## The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka;

Approved by Pharmacy Council of India, New Delhi)

#### SOP For hazardous waste & hazardous chemicals

What is Hazardous?

This section will help you identify hazardous chemicals. The Indiana Department of Environmental Management (IDEM) and the U.S. Environmental Protection Agency (EPA) considers chemical waste hazardous if it: exhibits certain hazardous characteristics, or is a listed hazardous chemical.

- 1.1.1 Hazardous Characteristics Chemicals which have the following four characteristics are considered to be hazardous by the EPA:
  - IGNITABILITY A liquid which has a flash point of less than 60 deg C is considered ignitable by the EPA. This includes almost all organic solvents. Some examples are: Ethyl ether, Methanol, Ethanol, Acetone, Toluene, Benzene, Pentane, Hexane, Skelly B. Xylene, Formaldehyde, Heptane, Ethyl Acetate, Petroleum Ether Instructions for the disposal of organic solvents.
  - CORROSIVITY An aqueous solution having a pH of less than or equal to 2, or greater than or equal
    to 12.5 is considered corrosive by the EPA. Instructions for the disposal of concentrated solutions of
    acids or bases. Corrosive materials also include thionyl chloride, solid, sodium hydroxide and other
    nonaqueous acids or bases.
  - REACTIVITY Chemicals that react violently with air or water are considered reactive by the EPA. An example is sodium metal. Reactive materials also include strong oxidizers, such as perchloric acids, and chemicals capable of detonation when subjected to an initiating source, such as old picric acid and phosphorous. Solutions of cyanide or sulfide that could generate toxic gases are also classified as a reactive by EPA.
- 1. AQUEOUS SOLUTIONS OF CHEMICALS LISTED UNDER "CHEMICALS FOR THE NORMAL TRASH"
- 2. VERY DILUTE AQUEOUS SOLUTIONS OF WATER-SOLUBLE ORGANIC SOLVENTS.
- 3. CONCENTRATED SOLUTIONS OF ACIDS OR BASES This section explains the disposal of concentrated solutions of acids, such as hydrochloric, sulfuric, and nitric and bases such as ammonium hydroxide. These solutions should be neutralized in the laboratory as described in Section 1.5 below. You should take special care when neutralizing strongly oxidizing acids such as perchloric acid and fresh chromic acid, so call RM&S for additional instructions.





## The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka;

Approved by Pharmacy Council of India, New Delhi)

- 1.2.1 General Neutralization Procedures CAUTION: FUMES AND HEAT ARE GENERATED
- 1. Do your neutralizations in a well-ventilated hood and behind a safety shield.
- 2. Keep containers cool while neutralizing.
- 3. You should be wearing an apron, goggles, and gloves.
- 4. Perform all steps SLOWLY.
- 5. Neutralize concentrated solutions of acids and bases to within a pH range of greater than 2 and lower than 12.5 and then flush them into the sanitary sewer with at least twenty (20) parts of water.
- 1.2.2 Acid Neutralization While stirring, add acids to large amounts of an ice-water solution of base such as sodium carbonate (soda ash), calcium hydroxide (slaked lime), or 8M sodium hydroxide (for concentrated acids). When a pH above 2 is achieved, dispose of the solution into the sewer system followed by twenty (20) parts of water.
- 1.2.3 Base Neutralization Neutralize by first adding the base to a large vessel containing water. Slowly add a 1M solution of HCL. When a pH of 12.5 is achieved, dispose of into the sewer system followed by twenty parts of water.
- 1.2.4 Chromic Acid 1. Alternatives to Chromic Acid Cleaning Solutions Chromic acid is a powerful oxidizing agent. It is both toxic and corrosive and can explode on contact with organic materials. Users of chromic acid cleaning solutions on campus have suffered burns to both skin and clothing. We urge you to consider the alternatives listed on the next page that clean satisfactorily and are less toxic.
- 1.3.1 Organic Solvents Place your organic solvents in glass bottles or carboys the solvents originally came in or in ones provided by RM&S. Don't put them in the sewer. Halogenated solvents (e.g., chloroform, carbon tetrachloride and dichloromethane) and their mixtures should be kept separate as they are more difficult to dispose of. Be sure to deface or remove original label and attach Chemical Discard tag to bottle. Call RM&S and we'll pick up your spent organic solvents and their associated organic solutes. When we pick up the solvents, the contents will then be commingled in 55gallon drums and shipped off campus for incineration. We have to pump the contents, so they must be fluid and not contain any solids, precipitates or residues. All substances should not be put into solvent waste containers. The following substances are inappropriate for incineration. Don't put them into your organic waste containers. They should be collected in separate containers. Solutions of acids or bases Aqueous solutions of toxic organic chemicals.





## The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka;

Approved by Pharmacy Council of India, New Delhi)

### Hazardous Chemicals and Alternative Disposal Options

Benzene -Dissolve or mix with flammable solvent and then burn in pit or trench in an area at least 10 meters away from combustible material or in a 45/55- gallon drum (use slow burning to ignite)

Phenol Low levels of solid waste (e.g. gels, contaminated paper towels etc) should be placed into a suitable, leak-tight container and then into a yellow bag and treated as clinical waste for incineration.

Phenol/chloroform - mixtures can be treated as halogenated waste solvent and disposed of accordingly Incineration is the recommended method of disposal. Dissolve the phenol with a combustible solvent and burn in chemical incinerator equipped with an afterburner or scrubber Aqueous solutions or buffer containing phenol may be disposed of in shatter proof bottle using the carrier. Low levels of solid waste (e.g. gels, contaminated paper towel) should be placed into suitable, leak-tight container and then into a yellow bag and treated as clinical waste for incineration,

If phenol waste is the solid waste form, it should be disposed buy making packages of phenol in paper or other flammable material and burning in suitable combustion chamber. If it is in a liquid form, by absorbing it in vermiculite, dry sand, earth or similar material and disposing in a secured sanitary landfill or atomizing in a suitable combustion chamber.

Compounds - Dilute the alkali 1 to 10 times with water (diluted alkalis are less dangerous). Select an acidic material. Strong acids (e.g., hydrochloric acid, sulphuric acid) must be diluted 1:10 or greater prior to utilization.

Inorganic peroxides Add oxidizing agent to a large volume of a concentrated solution of sodium hypobisulphite (sodium metabisulfite) or a ferrous salt. Acidify with dilute Sulphuric acid. When reduction is complete (i.e., when heat generation stops), neutralize the solution with soda ash or dilute hydrochloric acid. Dispose of in sewer system with a large amount of excess water.

Acidic halides - To a large container, containing an excess of sodium bicarbonate (or sodium carbonate, or calcium carbonate), slowly add in the organic acid halide, and mix thoroughly Dilute with water until pH of approximately 6-8 is obtained, let it stand 24 hours. Handover to a Common Effluent Treatment Plant (CETP) for treatment purposes or treat the waste as per the discharge norms prescribed for CETP. Always remember that organic halides may react violently with water. Take necessary precautions while diluting with water (wear PPE, maintain safe distance, keep first aid kit handy etc.)





## The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka, Affillated to Rajiv Gandhi University of Health Sciences, Karnataka;

Approved by Pharmacy Council of India, New Delhi)

Inorganic acids Dilute acids 1 to 10 with water (dilute acids are less dangerous). Dilution should always be by adding acid to water (until fizzing stops), but not water to acid which should be strictly avoided Select a basic material, such as sodium bicarbonate, potassium bicarbonate, calcium bicarbonate, limestone. Strong bases (e.g., sodium hydroxide and potassium hydroxide) must be diluted 1:10 times with water prior to utilization.

Aqueous solutions of water-miscible flammable organic solvents (e.g., solutions of less than 18% acetone, ethanol, methanol and other water-soluble and water-miscible solvents-Add solution to an available flammable solvent (acetone, acetonitrile, benzene, etc of flammability rating 2 or 3). Burn in pit or trench, in an area 10 meters away from any combustible material, or in a 45/55-gallon drum (use slow burning fuse to ignite).

Iodine - In the fume hood, if possible, cautiously add iodine to a solution of sodium thiosulfate (300 ml of 4%) containing sodium carbonate (0.1 g). Stir until all of the iodine has dissolved (solution becomes colourless).

Neutralize to a maximum pH of 8.5 with sodium carbonate (if pH larger than 9, iodine will re-dissolve).

When reduction is complete, add sodium carbonate or dilute hydrochloric acid to neutralize the solution.

Handover to a Common Effluent Treatment Plant (CETP) for treatment purposes or treat the waste as per the discharge norms prescribed for CETP.

Sodium Hypochlorite - To the sodium hypochlorite solution, add a large excess of a bisulphite or a ferrous salt and acidify with dilute Sulphuric acid.

When the reduction is complete, add soda ash or dilute hydrochloric acid to neutralize the solution.

Handover to a Common Effluent Treatment Plant (CETP) for treatment purposes or treat the waste as per the discharge norms prescribed for CETP.





## The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka; Approved by Pharmacy Council of India, New Delhi)

#### Disposals of hazardous chemical wastes: Do's and Don'ts

#### Do's

- \* Wear safety equipment like gloves, boots, goggles, overalls, aprons while handling the chemicals.
- ❖ Always have a second person to assist, while handling the chemicals.
- \* Read all labels prior to handling or moving chemicals.
- ❖ Label chemicals clearly with permanent stickers.
- Segreagate waste as a hazardous and non-hazardous waste.
- ❖ Always dilute acids at aratio of approximately 1:10 prior to neutralization.

#### Dont's

- Don't mix unknown chemicals together and dispose.
- Don't store/ keep chemicals on floor.
- . Don't use the chemicals from unlabeled containers.
- Don't eat, drink, gum chewing during the disposal process.
- . Don't sweep spilled chemicals with broom.
- ❖ Don't dump cloth soaked in spilled chemicals in waste bin.
- ❖ Don't use mobile phone while handling disposals.

Approved By

Dr Padmaa M Paarakh

Principal

PRINCIPAL
Oxford College Of Pharmacy
also Cole and See Hongasandra

Prepared By G-Nagalabshui Dr Nagalakshmi G

Asst. Professor



## The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka, Affillated to Rajiv Gandhi University of Health Sciences, Karnataka;
Approved by Pharmacy Council of India, New Delhi)

The sister concern, Oxford Dental College which is situated near to The Oxford College of Pharmacy campus and therefore the Bio- medical waste produced by these two institutions are handled by the same vendor (MARIDI) for further processing.

Hence the agreements and MOUs remain same for both the institutes.

PRINCIPAL
The Oxford Cultage Of Charmacy
No 619.1st Omer B. gir Road intergassandra
Bangaloru - 560 603





## The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka; Approved by Pharmacy Council of India, New Delhi)

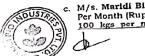


## MEMORANDUM OF UNDERSTANDING

Reg. No: 338

M/s. Maridi Bio Industries Pvt Ltd., having its registered office at No. 8, SUNAGA ARCADE, 4th Floor, 1st Main, 8th Cross, S.R.nagar, Bangalore-560027, Phone No: 080-41512958/22103270, Email id: maridibmw@maridibio.com and having its Plant at Sy.No.1/37 & 1/38, 35th Milestone, Gabbadi Kaval, Kanakapura Road, Ramanagar District, here in after referred to as, M/s. Maridi Bio Industries Pvt Ltd. represented by its Authorized Signatory and M/s. OXFORD DENTAL COLLEGE - ROMMANAHALLI baying its control to home papaballi COLLEGE - BOMMANAHALLI having its centre at bommanahalli mobno:9980135517. bangalore-560068. principal oxforddentel@yahoo.com. Here in after referred to as M/s. OXFORD DENTAL COLLEGE - BOMMANAHALLI is hereby agreed and come to the Memorandum of Understanding on this 15th Day of September month year 2022 as detailed below:

- a. M/s. Maridi Bio Industries Pvt Ltd. with consent from Karnataka State Pollution Control Board is having a common treatment facility for Managing Bio-Medical Waste in Ramanagaram district at 36th Mile Stone, Kanakapura Road. The facility is having a state of art Auto clave system along with the shredder and Incinerator.
- b. M/s. OXFORD DENTAL COLLEGE BOMMANAHALLI gives its bio-M/s. OXFORD DENTAL COLLEGE - BOMMANHALLI gives its biomedical waste properly packed in color-coded bags as per pollution
  control Board regulations for treatment and final disposal to M/s.
  Maridi Bio Industries Pvt Ltd. The waste should be given at one single
  point by the M/s. OXFORD DENTAL COLLEGE - BOMMANHALLI at
  given time of M/s. Maridi Bio Industries Pvt Ltd. Vehicle.



M/s. Maridi Bio Industries Put Ltd. will charge a price of Rs.9680/-Per Month (Rupees nine thousand six hundred and eighty only); (Up to 100 kgs per month, if it exceeds Rs.65/- per Kg will be charged

PRESIDENT
Children's Education Society (R)
1st Phase, J.P. Nagor,
De 13alore - 560 079.



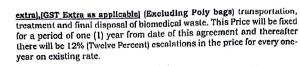
No.6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru -560 068 ①: +91-80 - 61754694; Fax: +91-80 -61754699; www.theoxford.edu e-mail: pharmacyprincipal@theoxford.edu; info@theoxford.edu;



## The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka; Approved by Pharmacy Council of India, New Delhi)





- d. M/s. OXFORD DENTAL COLLEGE BOMMANAHALLI will not enter into any agreement with any other party or organization for the waste treatment and disposal unless cancel of this agreement.
- e. M/s OXFORD DENTAL COLLEGE . BOMMANAHALLI is assuring that payment should be made through Account Payee cheque In favour of M/s. Maridi Bio Industries Pvt Ltd. on or before 5th of every month.
- f. M/s. Maridi Bio Industries Pvt Ltd. is not responsible for any cash payments and also we will collect cheque bounce charges.
- In case of non-receipt of payment on the agreed date from M/s. OXFORD DENTAL COLLEGE BOMMANAHALLI M/s. Maridi Bio Industries Pvt Ltd., will stop the collection of waste immediately with intimation to Karnataka State Pollution Control Board. The delayed payments will be collected with an interest of 18% per annum.
- h. M/s. Maridi Bio Industries Pvt Ltd. will collect bio medical Waste daily [Except Sunday] and treat the waste as per the regulations. M/s. Maridi Bio Industries Pet Ltd. will not collect any General waste that is not segregated or not properly packed M/s. Maridi Bio Industries Pvt Ltd. will not collect general garbage.
- i. M/s. Maridi Bio Industries Pvt Ltd. will issue a proof of waste collection from M/s. OXFORD DENTAL COLLEGE - BOMMANAHALLI as per your declarations in the application form. This will help the individual Clinic for getting compliance with the State Pollution Board. The individual Clinic/Nursing home can take their Authorization from the pollution control board by informing the board that M/s Maridi Blo Industries Pvt Ltd. treats their waste (The same has to be mentioned in the Authorization Form.
- j. In case OXFORD DENTAL COLLEGE BOMMANAHALLI find any irregularities in collection of waste, they can send a notice in writing to M/s. Maridi Bio Industries Pvt Ltd. for immediate action.
- k. M/s Maridi Bio Industries Pvt Ltd. will maintain their plant in good running condition all the time and ensure continuity of service as per agreement with your OXFORD DENTAL COLLEGE your BOMMANAHALLI.



This Memorandum of understanding is entered into on the express understanding that M/s Maridi Bio Industries Pvt Ltd. will maintain

PRESIDENT Children's Education Society (R) 1st Phase, J.P. Nagor, 2o 13alore - 563 018.





## The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka; Approved by Pharmacy Council of India, New Delhi)



and run the facilities and collect transport and treat the waste at their plant strictly in accordance with the consent of the Karnataka State Pollution Control Board and it shall be the responsibility to obtain the consent and keep the same always current.

- m. In case of violation of any of the agreed condition of the MOU by either side. Issue of notice may terminate this MOU three months in advance by either party for terminating their respective obligations.
- All disputes to this understanding are subject to the Jurisdiction of the court in Bangalore only.
- MOU Renewal Charges of Ra.200 (GST 18% Extra).
- p. This Agreement is effective from 01.09.2022 TO 31.08.2023.

M/s. Maridi Bio Industries Pvt Ltd

For m/a OXFORD DENTAL COLLEGE - BOMMANAHALLI 7-5-

Authorized Bignatory

Authorigan filematory
Children's Education Society (R)
1st Phase, J.P. Nagar,
Bangalore - 569 078.

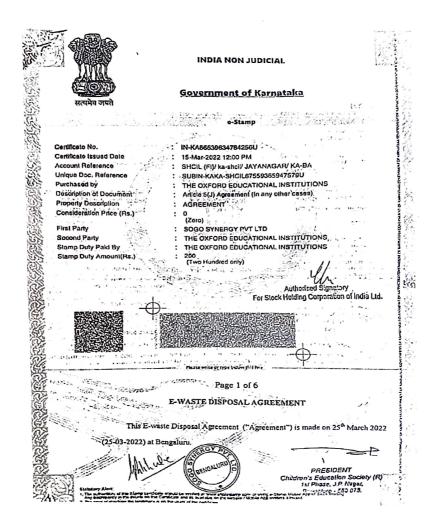




## The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka;

Approved by Pharmacy Council of India, New Delhi)





## The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka, Affillated to Rajiv Gandhi University of Health Sciences, Karnataka;

Approved by Pharmacy Council of India, New Delhi)

Page 2 of 6

#### BY AND BETWEEN

Sogo Synergy Pvt. Ltd.,
(A Company registered under Companies Act, 2013)
3<sup>rd</sup> Floor, D-1/1,
Hayes Court,
Richmond Town,
Bengaluru – 560 025
Represented by its Vice-President
G.R. LAWHALE,
Mob No. 9538011011

hereinafter called as "Sogo Synergy" which expression wherever the context so requires or admits, shall mean and include its respective heirs, legal representatives, administrators, executors and assigns or any person claiming through or under it.

#### AND

The Oxford Educational Institutions
Hosur Road,
Bommanahalli Campus,
Bengaluru – 560 068
Under the aegis of Chilidren's Education Society®
(A Society registered under Karnataka Societies Registration Act, 1960)
30th Main, 1st Phase,
JP Nagara,
Bangalore- 560 078
PAN AAATC1553A
represented by its President
SNVL Narasimha Raju
Mob No. 9845037176

hereinafter called as "Society" which expression wherever the context so requires or admits, shall mean and include its respective heirs, legal representatives, administrators, executors and assigns or any person claiming through or under it.

Whereas the Society has IT and all electrical, electronic products/service related hardware material or any other material as may be specified by the Society (the "Material" as hereinafter defined) that it may from time to time wish to dispose off, and SOGO SYNERGY desires to execute a complete dismantling & disposal program on behalf of the Society;

Mule Jamesumis

PRESIDENT
Children's Education Society (R)
1st Phase, J.P. Nager,
Imagalore - 560 078.



No.6/9, 1st Cross, Begur Road, Hongasandra, Bengaluru –560 068 ①: +91-80-61754694; Fax: +91-80-61754699; www.theoxford.edu e-mail: pharmacyprincipal@theoxford.edu; info@theoxford.edu;



# The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka;
Approved by Pharmacy Council of India, New Delhi)

#### Page 3 of 6

Now, therefore, Society shall provide and SOGO SYNERGY shall dismantle & dispose off the Material in accordance with the following terms of this Agreement:

#### Waste Material

1. Waste Material is hereinafter defined as waste of all forms of electronics equipment, IT equipments like Desktops, Monitor, Servers, Modems & Converters, Switches, ADSL, CPE Telecommunication equipments including but not limited to E-waste in the form of desk tops, servers, network personal equipments, imonitors, telephony, printers, faxes, copiers, data assistants process control equipment, server towers, server rack, scanners, batteries, server battery backups, uninterruptable power supplies, electronic storage media and all accessories and peripherals for above mentioned equipments including toners which Society may want to dispose.

#### Services

2. SOGO SYNERGY shall provide following services to collection, transportation and destruction of Waste Material from various locations of the Society. Society will notify places for pick up as per the accumulation of Waste Electrical and Electronic Equipment (WEEE) with different locations pan India collection of the Material, within 15 working days or case to case from the date of notice duly informed by Society by an authorized representative of the Society.

#### Destructions

SOGO SYNERGY shall destruct the entire quantity of Material within 30 working days
of receipt of material. Society's authorized representative may also witness the destruction at
SOGO SYNERGY facility located at Bengaluru. SOGO SYNERGY shall provide the Society
written confirmation through "Certificate of Destruction".

#### Payment

4. SOGO SYNERGY shall bear all handling costs for the Waste Material collected from the Society in full and all costs associated with the provision of the Services rendered. SOGO SYNERGY shall pay the Society, for the E-waste collected from the Society as per the rates on the basis of case to case inclusive of all taxes.

l PRESIDENT Children's Education Society (R) 1st Phisso. J.P. Negal Bangalore - 540 018

hule Germini



No.6/9, 1<sup>st</sup> Cross, Begur Road, Hongasandra, Bengaluru –560 068 ①: +91-80-61754694; Fax: +91-80-61754699; www.theoxford.edu e-mail: pharmacyprincipal@theoxford.edu; info@theoxford.edu;



## The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka;

Approved by Pharmacy Council of India, New Delhi)

#### Page 4 of 6

#### Warrantee

- 5. SOGO SYNERGY Representation and Warranties -
- 5.1 While performing all Services hereunder, SOGO SYNERGY agrees to comply with all applicable permits, all Central, State and local laws, regulations and ordinances and all duly constituted authorities upon request of the Society.
- 5.2 SOGO SYNERGY shall furnish copies thereof in advance. SOGO SYNERGY hereby specifically agree and confirm that it is fully competent to undertake this work from the Society in terms of the "E-waste (Management and Handling) Rules, 2016" and it possesses all the certificates mentioned under the said Rules.
- 5.3 SOGO SYNERGY will be responsible for the statutory compliances including environmental compliances pertaining to the activities and Services mentioned above, "E-waste (Management and Handling) Rules, 2016" and the Society will not in any way be responsible for the same once the Waste Material is handed over by the Society to SOGO SYNERGY.
- 5.4 SOGO SYNERGY has obtained all necessary permits, licenses and other central, state or local authorizations required to perform the Services and upon request of the Society, which shall also furnish copies thereof to the Society.
- 5.5 SOGO SYNERGY shall keep and retain adequate books and records and other documentation consistent with and for the periods required by applicable regulatory requirements and guidelines pertaining to performance of the Services required by this Agreement. The said records, books and documentation relevant to the above-said purpose shall be available for inspection by the Society upon reasonable advance notice.
- 5.6 SOGO SYNERGY shall not reself the Waste Material in the original form which has been collected from the Society except after totally destroying the Waste Material.
- 5.7 As an integral part of this Agreement, SOGO SYNERGY hereby represents that they or any of their officials or representatives shall not give or promise to give any money or gift to any employee/official of the Society to influence its decisions regarding this Agreement, nor shall they exert or utilize any unlawful influence to solicit or secure this Agreement through a promise to pay a commission, percentage, brokerage or contingent fee.

5.8 SOGO SYNERGY shall ensure that the Waste Material is transported safely and there is no leakage during transit.

PRESIDENT Childron's Education Society (R) 1st Phase, J.P. Negar, Bangalore - 560 078.





## The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka, Affillated to Rajlv Gandhi University of Health Sciences, Karnataka;
Approved by Pharmacy Council of India, New Delhi)

#### Paga 5 of 6

- 5.9 SOGO SYNERGY confirms and warrants that the Waste Material so collected by it under this Agreement shall not be misused by it directly or indirectly or dealt with in any other manner other than as expressly stated in this Agreement and agrees to indemnify the Society in case such representation/warranties are breached.
- 5.10 SOGO SYNERGY shall ensure that all Government approvals, statutory compliances as per E Waste Rules as mentioned above and QEHS Quality, Environment, Health and Safety standards.
- 5.11 SOGO SYNERGY shall also assist the Company in maintaining records, statutorily required to be maintained in terms of the above mentioned E-waste Rules, pertaining to e-waste collected from the Society.
- 6. Business Continuity Management Plan
- 6:1 SOGO SYNERGY shall ensure that at all times it has in place and is able to implement a business continuity and disaster recovery plan which will ensure the continued performance and operational resilience of the Services/deliverables provided by SOGO SYNERGY.
- 6.2 SOGO SYNERGY shall be open to the audit of its business continuity arrangements by the Society as and when required by the Society.
- Society's Representations and warranties
- 7.1 The Society has free and unencumbered title to all Waste Material delivered to SOGO SYNERGY pursuant to this Agreement.
- 7.2 The Society shall not knowingly ship Hazardous Wastes to SOGO SYNERGY pursuant to this Agreement. In the event Hazardous Wastes are identified upon receipt at or during subsequent processing, such substances shall be quarantined, in a manner sufficient to reasonably protect human health and real and personal property.
- 7.3 The Society shall issue all proper despatch documents (invoices, gate pass, declarations, GST forms etc.), wherever applicable, and Form 6 as per the hazardous waste manifest for transportation along with the Waste Material authorisation and ownership Transfer letter for transport.

#### Period of Agreement

 This agreement shall be in force for 5 years effective from 1<sup>st</sup> day of April 2022 unless and until terminated in a manner set-forth in paragraph. This Agreement may however be







No.6/9, 1<sup>st</sup> Cross, Begur Road, Hongasandra, Bengaluru –560 068 ①: +91-80 - 61754694; Fax: +91-80 -61754699; www.theoxford.edu e-mail: pharmacyprincipal@theoxford.edu; info@theoxford.edu;



# The Oxford College of Pharmacy

(Recognised by the Govt. of Karnataka, Affiliated to Rajiv Gandhi University of Health Sciences, Karnataka;
Approved by Pharmacy Council of India, New Delhi)

#### Page 6 of 6

terminated by the Society at any time during the term, without giving any advance notice to SOGO SYNERGY, in case SOGO SYNERGY fails to comply with its obligations under this Agreement.

#### Termination of Agreement

9. This Agreement may be terminated at any time by the Society or SOGO SYNERGY, delivering upon 30 days' written notice to the Society or SOGO SYNERGY and in the event of such termination, they will be paid for services performed or amounts due for Waste Material processed up to the date of such termination and not thereafter.

#### Modification

10. This Agreement may not be modified, waived, or extended unless mutually agreed to in writing and it may not be terminated except as provided above. A waiver by either of them of any terms and conditions of this Agreement in one or more instances will not constitute a permanent waiver of such terms and conditions unless so stated in writing.

#### Resolution of Disputes

11. The Society and SOGO SYNEGRY shall endeavour to resolve any problem or divergence resulting from the interpretation or application of this Agreement in a spirit of cooperation and mutual understanding. In the event of any dispute or difference arising out of/relating to this Agreement between them, the same shall be settled by arbitration in accordance with the provisions of Indian Arbitration and Conciliation Act, 1996 or any statutory modification or re-enactment thereof. Any dispute shall be subject to Bengaluru Jurisdictions.

IN WITNESS WHEREOF both the Society and Sogo Synergy hereto have executed this Agreement on the date first written above.

For and on Behalf of

Sogo Synergy Pvt. Ltd Authorized Signatory

G.R. LAWHALE Vice-President

1.

B.S. VIJAY

Children's Education Society®
Authorized Signatory

, 34

SNVL NARASIMA RAJU
President
PRESIDENT
Ciuldron's Education Socialy (R)

1st Phase, J.P. Nagar. Bangstore - 550 078. Witnesses

2. G. Kaikny G. KRISHMI

PRINCIPAL

The Oxford CHL s of Pharmacy No 619, 1st Cross (1, ga. Avad, Hangasandra Bangalore - 560 088



No.6/9, 1<sup>st</sup> Cross, Begur Road, Hongasandra, Bengaluru –560 068 ①: +91-80 - 61754694; Fax: +91-80 -61754699; www.theoxford.edu e-mail: pharmacyprincipal@theoxford.edu; info@theoxford.edu;