

PROJECT: **COLLECTION, TRANSPORT, TREATMENT, AND DISPOSAL OF LABORATORY CHEMICAL/ HAZARDOUS WASTES IN DIFFERENT UPLB UNITS**

LOCATION: **Different colleges and units of the University of the Philippines Los Baños**

BUDGET: **PHP 225,000.00**

SCOPE OF WORK AND METHODOLOGY:

A. ACCREDITATION REQUIREMENTS:

1. DENR-EMB Accredited Transporter of different hazardous wastes (see Table 1)
2. DENR-EMB Accredited Treater of different hazardous wastes (see Table 1)

Table 1. List of hazardous wastes from different UPLB units.

Hazardous wastes	Quantity (KG)
A101 - Wastes with cyanide	6.249
B201 - Sulfuric acid	42.281
B202 - Hydrochloric acid	45.495
B203 - Nitric acid	22.916
B204 - Phosphoric acid	65
B206 - Mixture of sulfuric and hydrochloric acid	41.671
B207 - Other inorganic acid	50.189
B208 - Organic acid	60.073
B299 - Other acid wastes	809.051
C301 - Caustic soda	9.5
C304 - Ammonium hydroxide	3
C305 - Lime slurries	2
C399 - Other alkali wastes	121.029
D401 - Selenium and its compounds	9.44
D402 - Arsenic and its compounds	51.6
D403 - Barium and its compounds	0.172
D404 - Cadmium and its compounds	9.5

D405 - Chromium compounds	108.14
D407 - Mercury and mercury compounds	123.897
D499 - Other wastes with inorganic compounds	548.566
E501 - Oxidizing agents	410.414
E502 - Reducing agents	46.55
E503 - Explosive and unstable chemicals	45.5
E599 - Highly reactive chemicals	30
F601 - Solvent based	24.012
F602 - Inorganic pigments	4.004
G703 - Halogenated organic solvents	389.666
G704 - Non-halogenated organic solvents	306.129
I101 - Used or waste oil (used industrial oil including sludge)	7.978
Institute of Renewable Natural Resources	250
J201 - Containers previously containing toxic chemical substances	251.947
K302 - Chemically fixed and polymerized wastes	2
M501 - Pathological or infectious wastes	811.567
M504 - Pesticides	4.4
Grand Total	4713.936

B. Permitting/ Documentation

1. Site inspection is required for prospective bidders.
2. Register new classified hazardous wastes of UPLB in the hazardous waste management system website including payment of registration and administrative fees.
3. Obtain a Permit-to-Transport (PTT) from the DENR EMB including payment of permitting fees.
4. All works shall be done in compliance with DAO 36, Series of 2004, otherwise known as the Procedural Manual for Hazardous Waste Management and all applicable regulations.

C. Environment, Health and Safety

1. Follow the standard in hazardous waste management and handling, including the use of the Standard PPE such as safety shoes, goggles, protection coveralls, and gloves. Establish site perimeter and install warning signs as necessary..

2. Provide materials, tools, push carts, transportation vehicles, expertise and other related services for performing the collection, treatment, and disposal works.
3. Provide secondary containment materials such as plastic drums and steel drums to ensure safe transport of laboratory/ hazardous wastes.

D. Collection, Transport and Disposal (30 calendar days)

1. The service provider shall consider the road size, condition, and capacity to ensure the safe and efficient collection and transport of hazardous waste. For purposes of identification, vehicles shall bear the name and telephone number of the service provider.
2. A representative from the UPLB-OVCCA must countercheck the quantity of hazardous waste loaded in the trucks.
3. Upon issuance of the PTT, collect transport hazardous wastes to the DENR EMB accredited treatment and disposal facility.
4. Each truck shall be loaded with hazardous waste in a manner that prevents spillage of hazardous wastes within the transport route of the hauling process (enclosed truck shall be used).
5. The SERVICE PROVIDER is responsible for handling and loading the hazardous waste into its own service trucks using appropriate tools, machinery, and equipment.
6. Furnish the UPLB a copy of the Certificate of treatment and disposal stamped and received by DENR-EMB.

SPECIAL QUALIFICATIONS:

Prospective bidders should have experience in undertaking similar project with an amount of at least 50% of the Approved Budget for the contract and have key personnel and equipment (owned, leased, and purchased) available for the project.

CONFIDENTIALITY AND NON-DISCLOSURE AGREEMENT

The SERVICE PROVIDER and all its personnel involved in the performance of the activities of the contract/undertaking shall be covered by the CONFIDENTIALITY AND NON-DISCLOSURE AGREEMENT.

The SERVICE PROVIDER is hereby prohibited to use or attempt to use any recording device to record the activities of the contract/undertaking. The Provider shall not disclose contents of any documents, materials, or project manuals that would compromise the position of UPLB and must adhere to the provision of RA 10173 or the Data Privacy Act of 2012. The Provider must maintain the information obtained from the UPLB in strict confidentiality.

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