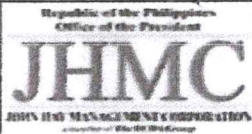


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## SCOPE OF SERVICES

### **Dismantling, Treatment and Disposal of Hazardous Wastes**

**(Asbestos wastes from Cottage 625-628, BCDA Cottage 663 and other HW on Stock)**

#### 1. Background

It is the policy of the State to regulate, restrict or prohibit the importation, manufacture, processing, sale, distribution, use and disposal of chemical substances and mixtures that present unreasonable risk and/or injury to health or the environment; to prohibit the entry, even in transit, of hazardous and nuclear wastes and their disposal in the Philippine territorial limits for whatever purpose; and to provide advancement and facilitate research and studies on toxic chemicals and hazardous and nuclear wastes. (*Section 1, DENR Administrative Order No. 2013-22 otherwise known as the Revised Procedures and Standards for the Management of Hazardous Wastes*).

Before transporting an identified / regulated hazardous waste emanating from JHMC operations for disposal or recycling / recovery, safe management is a must. This includes safe storage, treatment, preventing accidental spillages and releases, and responding to emergencies in accordance with applicable standards and regulations.

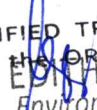
It is critical that all hazardous wastes generated by JHMC operational activities be identified and managed accordingly per existing environment laws and standards. Specifically, all HW waste must be properly identified with proper hazard / toxicity labelling.


#### 2. Objective

The main purpose of this Scope of Services and Procurement is towards compliance with applicable standards stated in the *Chemical Control Order for Asbestos (DAO 2000 – 02)* and *the Revised Procedures and Standards for Hazardous Waste Management (DENR AO 2013 – 22)*, covering specifically, labor, materials and equipment contract of services to properly re-pack, haul, treat and dispose the dismantled asbestos materials from the JHMC office cottages 625 to 628 as well as other hazardous waste on stock and testing of the Mile Hi Center's Asbestos level/risks.

Overall, this is to ensure that adverse health and environmental consequences on the handling, storage, treatment and disposal of identified HW are kept to a minimum or none at all. JHMC, being an ISO 14001:2015 – Certified Corporation, is expected to have an appropriate management system that provides the benefits of:

- 2.1 Regulatory compliance to the Revised Procedures and Standards for Hazardous Waste Management (DENR AO 2013 – 22);
- 2.2 Regulatory compliance to DENR Administrative Order No. 2000 – 02 or the Chemical Control Order for Asbestos.
- 2.3 Health protection by reducing the exposure of employees and personnel to the harmful effects of hazardous wastes emanating from JHMC's operational environment;
- 2.4 JHMC's commitment to environmental protection; and
- 2.5 Increased employee's morale as a result of a safer and healthier work place.

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### 3. Coverage

This shall cover labor, materials and equipment for the following works on a LOT basis:

- 3.1 Dismantling of asbestos from the kitchen and adjacent walls and ceilings of the cottages 625 to 628 and BCDA Cottage 663 are the ones confirmed of the presence of asbestos. Repacking of around 4 metric tonnes of the dismantled asbestos contaminated materials are approximated to be derived from the activity.
- 3.2 Packaging of the Asbestos Containing Materials into impervious materials. Use of Low Density Polyethylene, not less than 0.2mm thickness or any material which is suitable and acceptable for the safe storage, transport and disposal of the asbestos waste.
- 3.3 Weighing and labeling of the packaged asbestos material on site.
- 3.4 Temporary Storage of the asbestos waste within John Hay premises while awaiting issuance of the duly approved Permit to Transport from the concerned DENR-EMB regional office. In a case when that PTT is issued at an earlier date prior to the commencement of dismantling, the hauling shall immediately be conducted after the dismantling and packing of the asbestos wastes.
- 3.5 Decontamination and Clean Up of Asbestos Work Area.
- 3.6 Hauling, loading and load securing of the asbestos waste to EMB Accredited HW transport vehicle/container van upon receipt of the Permit to Transport from the DENR-EMB.
- 3.7 Transport and delivery of the asbestos waste from John Hay to the designated / registered treatment and disposal facility of the EMB- Registered TSD Facility.
- 3.8 Unloading and final disposal of the asbestos wastes.
- 3.9 Issuance of Certificate of Final Disposal, duly received by the concerned DENR regional office, in favor of John Hay Management Corporation.
- 3.10 Hauling, transport and treatment of other hazardous waste following minimum standards stated under DENR AO 2013 -22 with the amounts as follows:
  - ✓ 0.3335 mt = Waste Electrical and Electronic Equipment (WEEE) (M506)
  - ✓ 0.002 mt = Lead Compound (D406)
  - ✓ 0.165 mt = Used Industrial Oil (I101)
  - ✓ 0.0995 kg = Solvent based (F602)
- 3.11 Asbestos fiber identification testing and analysis of the Mile Hi Center covering 5 samples from the roofing, walls and ceilings.


### 4. Requirements of the Winning Proponent

Bidders shall submit their bids in accordance with the IRR of RA 9184.

In addition to the standard requirements in RA 9184, the bidder shall also submit the following:

- 4.1.1 Approach, work plan, transport plan and schedule
- 4.1.2 List of key personnel to be assigned to the project, with their complete qualification and experience data; and
- 4.1.3 Environmental Compliance Certificate (ECC)
- 4.1.4 Transporter Registration Certificate
- 4.1.5 Treatment Storage Disposal Certificate

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## 5. Scope of Works

### 5.1 Responsibilities of JHMC

- 5.1.1. Provide assistance in locating identified storage areas where hazardous wastes are stored.
- 5.1.2. Provide security assistance when deemed necessary to the pertinent tasks.
- 5.1.3. Provide necessary documents the contractor may need for EMB and relevant agencies' permitting purposes.
- 5.1.4. Be the lead in processing of necessary permits and certifications, in terms of being the HW generator, i.e., Permit To Transport and Notice To Proceed for dismantling from the concerned EMB Regional Offices. All other permits and certifications that are to be secured by the EMB - Registered TSD Facility shall not be under the care of JHMC.
- 5.1.5. Conduct and arrange meetings and ocular inspections, as may be deemed necessary with the EMB-Registered contractor and with EMB CAR to facilitate pertinent activities.

### 5.2 Responsibilities of the Contractor

5.2.1. Submit a Scope of Work/ Methodology an equivalent document which includes the minimum requirements per DAO 2013 - 22 (including accidental release and emergency plan) to JHMC covering:

- 4.2.1.1. Material-specific tasks to be performed based on existing standards applicable to the hazardous material;
- 4.2.1.2. Actual task time estimates;
- 4.2.1.3. Environment, Health and Safety Plan;
- 4.2.3.4. Transport Plan


5.2.2. Conduct hazardous material inspection/s and conduct of tests when necessary prior to the actual dismantling, sorting, hauling, treatment, transport and disposal of hazardous wastes.


5.2.3. Dismantling of asbestos for the kitchen rooms of the Cottages 625 to 628, JHMC Offices, upon the issuance of a Notice to Proceed Demolition of Asbestos from the EMB CAR.

5.2.4. Packaging of the Asbestos Containing Materials into impervious materials. Use of Low Density Polyethylene, not less than 0.2mm thickness or any material which is suitable and acceptable for the safe storage, transport and disposal of the asbestos waste.

5.2.5. Weighing and labeling of the packaged asbestos material on site.

5.2.6. Temporary Storage of the asbestos waste, following proper storage and labeling requirements within John Hay premises in case the duly approved Permit to Transport from the concerned DENR-EMB regional office is still pending. In a case when that PTT is issued at an earlier date prior to the commencement of dismantling, the hauling

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shall immediately be conducted after the dismantling and packing of the asbestos wastes.

5.2.7. Decontamination and Clean Up of Asbestos Work Area.

5.2.8. Hauling, loading and load securing of the asbestos waste to EMB - Registered HW transport vehicle/container van upon receipt of the Permit to Transport from the EMB Regional Office.

5.2.9. Transport and delivery of the asbestos waste from John Hay Cottage 625 to 628 and BCDA Cottage 663 to the designated disposal facility of the accredited TSD Facility.

5.2.10. Unloading and final disposal of the Asbestos Wastes.

5.2.11. Issuance of Certificate of Final Disposal, duly received by the concerned DENR regional office, in favor of John Hay Management Corporation.

5.2.12. Hauling, transport and treatment of other hazardous wastes temporarily stored at the JHMC Temporary Storage Facility per existing and applicable DENR – EMB Standards.

- ✓ 0.3355 mt = Waste Electrical and Electronic Equipment (WEEE) (M506)
- ✓ 0.002 mt = Lead Compound (D406)
- ✓ 0.165 mt = Used Industrial Oil (I101)
- ✓ 0.0995 mt = Solvent based (F602)

5.2.13. Secure and submit to JHMC- EMD original copies of pertinent permits from all concerned agencies (Concerned EMB Regional Office, Certificate of Treatment, and Certificate of Final Disposal, whichever is applicable).

5.2.14. Collect samples and provide laboratory results or equivalent reports showing the Asbestos Fiber Identification Analysis of the Mile Hi Center covering 5 samples from the roof, walls and ceilings.

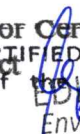
5.2.15. The contractor shall post a performance security equivalent to 5% of the total contract price prior to the signing of the contract and shall remain valid until the contractor provides a Certificate of Treatment (COT) and / or Certificate of Final Disposal (COFD).


5.2.16. The contractor shall be held liable for any repair works, at his own expense, of any damage to JHMC property during the dispense of the activities involved in the contract. In case of failure or refusal to comply with this condition, JHMC shall withhold the final payment and call the performance security.

## 6. End Products / Outputs

6.1 The contractor should render its services as per the agreed schedules / timelines, with consideration to the issuances of mandatory permits from the concerned EMB Regional Office, covering all areas and materials identified in accordance with EMB regulations.

6.2 Issuance of Certificate of Final Disposal (COFD) for asbestos and / of Certificate of Treatment (COT) for all the hazardous waste covered in the contract

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6.3 Laboratory result or equivalent report showing the Asbestos Fiber Identification Analysis covering 5 samples from the roof, walls and ceilings of the Mile Hi Center.

## 7. Contract Duration

7.1 The contract duration shall commence from the issuance Notice To Proceed (NTP) until the issuance of a Certificate of Disposal and / or Certificate of Treatment. JHMC shall favorably evaluate and certify true and correct, the contractor's submission of the Statement of Work Accomplished, the Certificate of Treatment (COT) and / or Certificate of Final Disposal (COFD). This should be done and accomplished within seven (7) months from the issuance of the NTP until receipt of JHMC of the COT and COFD.

## 8. Mode of Payment

8.1 The contractor shall issue JHMC a Billing Statement corresponding to the work accomplished after having covered ALL items in the Scope of Services and upon submission of a Statement of Work Accomplished and geotagged progress photos showing before, during and after the covered works.

*The final payment will only be made after the contractor has satisfactorily completed the above Scope of Services covering on an actual weights - basis, all hazardous materials stated as well as the required asbestos laboratory test and evaluation, submitted a Statement of Work Accomplished (SWA) with geotagged progress photos, provided an Omnibus Sworn Statement, submitted to JHMC Certificate of Final Disposal and Certificate of Treatment, as the case may be per hazardous waste classification. In a case when the asbestos materials derived are less than 4 metric tonnes, JHMC shall be billed according to the actual weights of all asbestos and asbestos-contaminated materials from the dismantling.*


The SWA shall be evaluated and certified true and correct by the JHMC Environment Management Division.

## 9. Approved Budget for the Contract

The approved budget for the contract as reflected in the CY 2023 Corporate Operating Budget is **Seven Hundred Eighty-nine Thousand Pesos (PhP 789,000.00)**, inclusive of all applicable taxes. The budget should cover:

- All costs to cover labor force;
- All costs to cover materials and equipment to be used to render the scope of services;
- Costs associated with transport and communication necessary to the satisfactory completion of the scope of works;
- Costs to cover permitting fees and regulatory compliance charges with JHMC, DENR and other concerned government agencies;
- Laboratory expenses; and
- Applicable taxes

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