

SCOPE OF SERVICES
*Lumberjack Services For The Cutting Of Trees for the JHMC Wastewater
Treatment Plant and Other Retrieval Operations*

1. Rationale and Objectives:

Section 2 Item 2.1.3 of EO 62 states that Camp John Hay be preserved, maintained, enhanced, and developed as a forest watershed and tourist destination. The natural attributes and character shall be maintained. Section 6 further stipulates “Environmental standards shall be strictly enforced by subsidiaries and attached authorities in their respective area of responsibility”.

Chapter 7 of the Rules and Regulations of the John Hay Special Economic Zone (JHSEZ) pursuant to Presidential Proclamation No. 420 states the policy of maintaining a high degree of environmental quality, and applying all of Environmental Laws. Section 46 specifies the creation of an Environmental Management Office (EMO) responsible for **the monitoring** and implementation of environmental and natural resources conservation and protection programs within the JHSEZ.

In May 24, 2016, the DENR EMB has released *DENR Administrative Order 2016 – 08 “Water Quality Guidelines and General Effluent Standards of 2016”*. This repealed the Rules and Regulations of the National Pollution Control Commission (1978), 1982 Effluent Regulations, and the DENR AOs 1990-34 and 1997-23. The DENR AO 1990-35 is modified accordingly and all other regulations or parts thereof inconsistent with this new DAO is now amended and modified accordingly.

With this DAO 2016 – 08 and DAO 2021 - 19 in order, it is therefore mandated that JHMC and its locators’ operations generating domestic wastewater, be required to pass parameters of compliance on wastewater effluent standards, hence, there is a need for a new Wastewater Treatment Plant (WTP). With the presentation of the results of the consultancy for the Design of the JHMC WTP, 75% of the consulting contract for the same has been completed. The remaining 25% is dedicated to the consultant’s participation and expertise for pre-construction, construction phase, testing and commissioning, functional tests and performance tests of the STP. The project is not only a means for compliance with the Clean Water Act and its related regulations but is also expected to be a source of income and revenue for JHMC in the next years of its operations. Several meetings have already been conducted with BCDA and its concerned departments for this project and they are being updated on the status of the same.

With this, the next step is towards the preparation of the site for the WTP, and per the Site Development submitted, it can be seen that there are 10 live Benguet pine trees that are affected to pave way for the construction of this pollution control facility.

2. Scope of Work

2.1 Roles and Responsibilities of the Lumberjack Services shall cover the following:

- 2.1.1 Provide manpower, equipment , tools and other materials necessary to undertake the tree cutting, slicing and retrieval effectively and efficiently;
- 2.1.2 Complete the tree cutting in strict compliance to the conditions stipulated in the Tree Cutting Permit issued by DENR-CAR;
- 2.1.3 Complete all stages of the tree cutting in strict observance of safety standards and procedures such as, but not limited to, use of safety harness, gloves , goggles and hard hats;
- 2.1.4 Undertake the removal of tops and branches before cutting the main bole of the tree;
- 2.1.5 To ensure safety, undertake the cutting of the tree bole in sections/segments to avoid damage to lives and/or the surrounding vegetation and other structures;
- 2.1.6 Bucking/cutting of the felled tree into shorter log lengths as instructed by the JHMC Foresters and/or the Inspectorate Team. Logs suitable for lumber shall be cut to a minimum of six (6) feet and a maximum of twelve (12) feet as far as possible. Logs suitable for firewood shall be cut to a maximum of two (2) feet;
- 2.1.7 In cases when the felled tree is observed to be pest-infested, do the removal of the tree barks as part of freeing the logs from all pests and other pathogens embedded therein and / or spraying of the debarked logs including the removed barks with *green label* insecticide to exterminate any pest/pathogen embedded therein;
- 2.1.8 Undertake slicing of the debarked logs suitable for lumber into smaller sizes as instructed by the JHMC Foresters and/or the Inspectorate Team;
- 2.1.9 Conduct hauling and delivery of the logs derived from the operation to the JHMC holding area and/or to CENRO Baguio compound for safekeeping and proper disposition as instructed by JHMC Foresters and/or the Inspectorate Team;
- 2.1.10 Conduct the cutting, slicing, bucking and hauling operations within the prescribed period in the Tree Cutting Permit issued by the DENR CAR.
- 2.1.11 Ensure to undertake the cutting and hauling of logs always with the supervision /monitoring of JHMC Foresters and/or at least two (2) representatives of the Inspectorate Team;
- 2.1.12 Take responsibility for the health and safety of its own workers involved in the sanitation cutting;
- 2.1.13 Take responsibility for the repair and/or restoration of any loss or damage to property/ies that might be incurred during the conduct of the sanitation cutting;
- 2.1.14 Ensure that ALL chainsaws to be used have valid permits issued by the DENR CENRO Baguio City;
- 2.1.15 Shall not hold JHMC accountable for any injury /damage and/or loss of lives that might be incurred during the conduct of the sanitation cutting.

Table 1. Tally of Benguet pine trees that will be affected by the construction of the JHMC Wastewater Treatment Plant

Tree No.	DBH (cm)	Merchantable Height(m)	Total Height (m)	Volume	Use	Location	Remarks
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1	57.3	17	19	2.91	lumber	JHMC Office /	Live
2	29.29	8	9	0.35	firewood	JHMC Office	Live
3	54.43	12	14	1.82	lumber	JHMC Office	Live
4	13.37	1	3	0.01	firewood	JHMC Office	Dead, Rotten
5	56.98	13	14	2.16	lumber	JHMC Office	Live
6	70.03	10	12	2.51	firewood	JHMC Office	Dead, Rotten
7	51.57	20	21	2.72	lumber	JHMC Office	Live
8	51.25	22	24	2.95	firewood	JHMC Office	Dead
9	57.3	15	16	2.52	lumber	JHMC Office	Live
10	59.21	25	27	4.48	lumber	JHMC Office	Live

In addition, there are several fallen trees within the JHSEZ, that were affected by incidents of inclement weather (Typhoon Egay) and subsequent incessant rains that are for retrieval, cutting and slicing into appropriate lengths and sizes:

Table 2. Tally of Priority Trees to be Retrieved Due to Typhoon Egay:

Tree No.	DBH (cm)	Use	Location	Remarks
1 and 2	56	firewood	Near Cantinetta	Based on the assessment last 01 Aug 2023 with the third party lumberjack service provider, due to difficulty, cutting cost is equivalent to three (3) trees.
3	20	firewood	Secret Garden	Toppled at the upper portion
4	65	lumber	CCA	slightly leaning
5	40	firewood	Entrance of Yellow Trail	for retrieval
6	43	firewood	Entrance of Yellow trail	leaning on the transformer
7	59	firewood	Nursery	for retrieval
8	56	firewood	Amphitheater	Agoho

2.2 Roles and Responsibilities of JHMC

- 2.2.1 Provide assistance in locating identified trees in Table 1 and Table 2;
- 2.2.2 Provide security assistance when deemed necessary to the pertinent tasks;
- 2.2.3 Be in charge of the application and processing of the Tree Cutting Permit from the concerned government agencies;
- 2.2.4 Be in charge with the convening of the Inspectorate Team from various agencies for the supervision and monitoring of the Emergency Sanitation Cutting Activities;
- 2.2.5 Completion of pertinent reportorial requisites to the DENR – CAR;

3. Expected Outputs

The contractor should render its services on the agreed schedules / timelines covering all areas and materials identified in accordance with issued Tree Cutting Permit, from

concerned government agency (DENR- CAR) and in accordance with the project's Scope of Services.

4. Contract Duration

The contract duration shall be effective for four (4) months reckoned from the issuance and acceptance by the contractor of the Purchase / Job Order from JHMC until the completion of the delivery of the logs derived from the operation to the JHMC holding area and/or to CENRO Baguio compound for safekeeping and proper disposition and subject to extension, when circumstances are warranted.

Noting however, that the commencement of lumberjack works is highly dependent on the issuance and approval of the Tree Cutting Permit from the DENR-CAR.

5. Mode of Payment

5.1 The contractor shall issue JHMC a Billing Statement or Statement of Account corresponding to the work accomplished after having covered all items in the Scope of Services.

5.2 The final payment will only be made after the contractor has satisfactorily completed the above Scope of Services covering in a lot-basis, all trees in Table 1 and Table 2.

5.3 A Certificate of Completion and Acceptance shall be issued by JHMC, after careful post inspection and evaluation.

6. Approved Budget for the Contract

The approved budget for the contract as reflected in the CY 2023 Corporate Operating Budget is **One hundred forty-eight thousand Pesos (PhP 148,000.00)**, inclusive of all applicable taxes. The budget should cover:

- 6.1 All costs to cover labor, supplies, materials and equipment to render completion of the Scope of Services;
- 6.2 Costs associated with transport and communication necessary to the satisfactory completion of the scope of works;
- 6.3 Costs to cover permitting fees and regulatory compliance of relative to the contractor's performance of its obligations and equipment with the concerned government agencies DENR and other concerned government agencies; and
- 6.4 Applicable taxes