

POYONG

Republic of the Philippines
Province of Davao del Norte
Government Center, Mankilam, Tagum City

PURCHASE ORDER

Supplier : <u>RIDGE TO REEF ENVIRONMENTAL CONSULTANCY INC.</u>	P.O. No. : <u>2021104286</u>
PhilGEPS Registration No. : <u>2014091145761665288512</u>	Date : <u>October 14, 2021</u>
Address : <u>DAVAO CITY</u>	Mode of Procurement : <u>Bidding</u>
Tel / Fax #: <u>(082)284-1783</u>	P.R. No. : <u>21063175</u>
Registration Certificate : <u>DTI</u>	

Req. Off.: Prov'l. Environment and Natural Resource

Gentlemen: Please furnish this office the following articles subject to terms and conditions contained herein:

Place of Delivery <u>On site</u>	Delivery Term: <u>150 Calendar Day/s</u>
Date of Delivery: _____	Payment Term : <u>ON ACCOUNT</u>

Item No.	Quantity/Unit	Description	Unit Cost	Amount
1	1 pkg.	Full-blown Feasibility Study for Prov'l. Hazardous Wastes Treatment Facilit	1,298,892.00	1,298,892.00

The primary objective of this project is to develop a Feasibility Study that will provide a comprehensive basis for the establishment, development, implementation and monitoring of the Hazardouse Waste Treatment Facility (HWTF) technologies appropriate for the Province of Davao del Norte.

Specific Objectives

- To conduct a full-blown and comprehensive Feasibility Study for the determination of the most appropriate HWTF scheme/s and/or system/s for the Province of Davao del Norte, including;
- Undertaking a complete Waste Analysis and Characterization Study (WACS) for the three (3) governmentment hospitals in Davao del Norte located at IGACOS, Kapalong and Carmen;
- Determining, through Value Analysis (VA) / Options Analysis, the most appropriate and cost-effective HWTF scheme/s and/or system/s that are technically, socially, financially and economically viable.

Expected Output

Consulting services for the Feasibility Study of the Provincial Hazardous Waste Treatment Facility	GRAND TOTAL :P 1,298,892.00
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Grand Total Amount in Words : **ONE MILLION TWO HUNDRED NINETY EIGHT THOUSAND EIGHT HUNDRED NINETY TWO and 0/100**

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I hereby conform that NOTICE TO DELIVER shall be served to the PLACE OF DELIVERY stated herein three (3) days before the actual delivery of the item/s covered by this Purchase Order.

Conforme:	Very truly yours,
<u>John Paña</u> (Signature over printed name)	EDWIN I. JUBAHIB Governor
<u>Nov. 18, 2021</u> (Date)	By the Authority of the Governor: ENGR. JOSIE JEAN R. RABANOZ, MPA, EnP Provincial Administrator

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By the end of the contract period, the Consulting Firm is expected to produce a full and comprehensive Fesibility Study that will recommend, among others, the following:

- A comprehensive, comparative evaluation of all HWTF technologies applicable/appropriate for the Philippines, with clear definitions and detailed descriptions, including recommendations that will optimize the use and application of HWTF technologies in the country;
- Most appropriate and cost-effective HWTF system/s (i.e. an applicable technology or a combination of technologies) for the 8 municipalities that are technically, socially, institutionally and economically sound, including, but not limited to, the preliminary designs of the said system/s, corresponding cost estimates, implementation arrangements, and the most appropriate financing scheme; and
- Operational and management schemes; and legal, taxation and partnership schemes.

Scope of Work

Consulting services for the Feasibility Study of the Provincial Hazardous Waste Treatment Facility

SUB TOTAL : P

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1. Data Collection - this cover area profiling, detailed hazardous waste generation (trends) and complete Waste Analysis and Characterization Study (WACS), conduct relevant surveys necessary for the study as well as the conduct of researching for the existing hazardous waste treatment technology and methodology or the lack thereof, in the Province of Davao del Norte.
2. Technical Analysis - further technical analysis should be undertaken.
3. Financial and Economic Analyses - the financial and economic analyses shall be undertaken to determine the viability/feasibility of the proposed scheme/s and/or system/s. This shall include the identification/determination of the financial and economic costs and benefits of the project as well as the determination of the resulting financial and economic indicators. i.e., internal rate of returns (IRRs), net present values (NPVs), etc.
4. Institutional Analysis - a comprehensive analysis on the institutional and legal aspects of the projects is to be undertaken. The consulting firm shall determine the most appropriate institutional set-up for the project's successful implementation and operation, which reaps the highest benefits, noting the involvement of multiple institutions.
5. Other components - Environmental and Risk Assessment.

Detailed Activities

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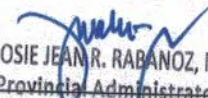
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1. Facilitate and assist the technical working group in the conduct of consultations and multi-sectoral meetings. And provide briefing/orientation to the Provincial Solid Wastes Management Board on the overview of the study.
2. Spearhead the gathering of primary and secondary data needed in the study, including Waste Analysis and Characterization Study (WACS) for the three government hospitals in Davao del Norte;
3. Prepare and present the completed Feasibility Study to Provincial Solid Waste Management Board and Technical Working Group.

Deliverables

The Consulting Firm shall submit a Monthly Progress Report to PSWMB-Technical Working Group through PENRO as secretariat, within seven days from the end of the agreed month period. Monthly Progress Report shall consist updates and status of the physical and financial accomplishments of the study, as well as the problem encountered and measures undertaken.

1. Inception Report
 - 4 printed copies with electronic copy
 - Includes, among others, work plan that identifies in detail the plan and procedures to be applied in the data gathering

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- Considering the input, comments of the PSWMB/PSWM-TWG/Secretariat
 - 1 Month from the date of receipt of the NTP

2. Interim Report
 - 4 printed copies with electronic copy
 - Contains the mid-period progress report of the study
 - 2 Months from the date of receipt of the NTP

3. Draft Final Report
 - 4 printed copies with electronic copy
 - Considering the input, comments of the PSWMB/PSWM-TWG/Secretariat
 - 3-4 Months from the date of receipt of the NTP

4. Final Completed /Full-blown Feasibility Study
 - 4 printed copies with electronic copy
 - Considering the input, comments of the PSWMB/PSWM-TWG/Secretariat
 - Including the fully complied data set
 - Statement of Work Accomplished duly prepared by the consultant ,
 reviewed/assessed by PSWM-TWG/Secretariat through PENRO and approved
 by the Governor.
 - 5 Months from the date of receipt of the NTP

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EXPERTISE REQUIREMENTS AND QUALIFICATIONS

1. The Consulting Firm that shall undertake the project must have expertise on the following fields:

- 1.1 Knowledgeable in survey design and field operations with relevant trainings;
- 1.2 Competence in statistics, economics, environmental management and/or related fields;
- 1.3 Competent in data collection and management with relevant trainings.

2. The Consulting Firm must have expertise in managing/administering environmental research surveys. They must be engaged in relevant professional and consulting services dealing with Hazardous Waste Treatment Facility technologies.

3. Proposed Project Staff:

3.1 Two (2) Environmental Planners with at least three (3) years' experience or relevant trainings related to the planning/management/operationalization of Hazardous Waste Treatment Facility technologies and Waste Analysis and

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Characterization Study (WACS). Related experience in other Hazardous Waste Treatment Facility technologies in the Philippines is an advantage;
 3.2 Data Processing Manager, a PhD degree holder on Development Research Administration related doctoral degree with sufficient background in Hazardous Waste Treatment Facility technologies/ planning/management/operationalization and Waste Analysis and Characterization Study (WACS);
 3.3 Project Liaison Officer with background in Hazardous Waste Treatment Facility technologies/ planning/management/operationalization and Waste Analysis and Characterization Study (WACS);
 3.4 Computer encoders (2 pax) and Enumerators (10 pax) per project site.

* Please refer to the Terms of Reference of this project for further details.
 ** Preferred local-based consulting firm for this project to hasten implementation and follow the pandemic protocols in the region.

150 cal. days

The award is based on Abstract No. 0920214050
 dated September 22, 2021 under Bid No. B20210396
 opened on September 23, 2021

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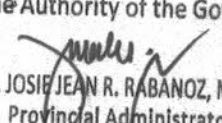
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