

# **TERMS OF REFERENCE**

CONSULTING SERVICES FOR THE CONDUCT OF EMISSION TEST - STACK TESTING OF AIR POLLUTION SOURCE EQUIPMENT (APSE), TWO (2) UNITS DIESEL-POWERED GENERATOR SET LOCATED AT THE PHILIPPINE PORTS AUTHORITY, PMOZAMBOANGA, ZAMBOANGA CITY

#### I. PROJECT DESCRIPTION

The Philippine Ports Authority, PMO-Zamboanga has one (1) new APSE in addition to the existing four (4) units. Thus, PPA, PMO-Zamboanga shall undertake the processing of its Permit to Operate (PTO) and shall also include the renewal of PTO for the existing APSE. One of the requirements to process the PTO is the submission of the Engineer's Report indicating the Stack Testing Result to the Environmental Management Bureau (EMB) Regional Office.

### II. OBJECTIVES

The objectives of the emission test are the following:

- a. To prepare the Inspection and Test Plan (ITP) and facilitate the submission to the EMB Regional Office;
- b. To conduct emission test (Stack Sampling and Test Analysis) on the two (2) units dieselpowered generator set for the following Source-Specific Air Pollutants:
  - 1. Nitrogen Dioxide (SOx); and,
  - 2. Carbon Monoxide;
- To verify the compliance of the APSEs with the air quality standard set by DENR Administrative Order No. 2000-81 and the IRR of Clean Air Act of 1999;
- d. To conduct and/or facilitate Fuel Analysis and provide Certificate of Analysis (COA); and
- e. To prepare and provide technical report on the results of the emission test.

## III. SCOPE OF CONSULTING SERVICES

In general, the third party shall conduct sampling and testing using the following methodologies:



#### VII. COVID-19 PROTOCOLS

The Consultant shall coordinate with the Proponent to assist and facilitate them in complying with the provision of the existing Executive Order particularly regarding interzonal and intrazonal movement provisions.

Business travelers who will be coming in to Zamboanga City shall secure ahead of their entry date an individual **Entry Authorization Pass** from the Local Government Unit (LGU), through the Zamboanga City Disaster and Risk Reduction Management (ZCDRRM), by submitting to the Proponent the following requirements:

- Medical Clearance Certification issued by City Health Office/Municipal Health Office or any DOH-accredited institutions that the Authorized Person Outside of Residence (APOR) is neither a contact, suspect, probable nor a confirmed COVID-19 case was tested negative through RT-PCR;
- b. Copy of Business Permit; and,
- c. Copy of Government-issued ID.

If the business traveler was not able to be tested for RT-PCR, they will be tested upon entry and Health Authorities shall determine whether they shall be admitted to a facility-based quarantine.

## VIII. WORK SCHEDULE

## INDICATIVE SCHEDULE OF ACTIVITIES:

Thom	Activity	Duration	Timeline											
Item	ACTIVITY		W1	W2	W3	W4	W5	W6	W7	W8	W9	W10	W11	W12
1	Project Start	0 (SS)												
2	Securing Entry Authorization Pass	7 WD												
3	Entry Travel	1 CD												
4	Field Sampling	3 WD												
5	Exit Travel	1 CD												
6	Preparation of Report	50 WD												
7	Report Courier Services	10 CD												
8	Inspection and Acceptance	2 WD												
9	Project Completion	0 (FF)												
	Total: 84													
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Note:

SS - Start -Start activity relationship

FF - Finish-Finish activity relationship