

Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS LEYTE 4TH DISTRICT ENGINEERING OFFICE

Ormoc City, Region VIII

	Name of Procuring Entity:	DPWH 4TH DEO	Reques	t for Quotat	ion (P. R. No.):	2024-04-084		
	Revised on :				Date:	April 5, 2024		
	Standard Form/Title:	REQUEST FO	R PROPO	SAL				
	COMPANY NAME:			 	Office/End-User	:		
	ADDRESS :				MA 6	-1 7814 4 674		
	TEL. NO. / FAX NO. :			· · ·	MA. CELINA A. SIA			
	Geotechnical Investigation in conne	ection with the Const	ruction of S	eawall. Bro	ıv. Ipil. Ormoc (City. Levte with 4		
Fitle of Project:	holes.				,,, -p.,, ooc	orey, Leyte Hiti s		
ocation:	Ormoc City, Leyte							
ABC:	Php 260,525.37							
ontract Duration	on: 30 C.D.							
Please quoti	e your lowest price or the item(s) listed	below, subject to the T	erms and Co	nditions sta	ted below and su	ıbmit your quotatic		
duly signed by	your representative not later than		9:00 a.m. ir.	the return	envelope attach	ed herewith, to th		
Procurement Of	fice, DPWH, 4TH DEO, Ormoc City, Leyte.							
TERMS AND CON								
	All particulars relative to the Evaluation of bid							
1	governed by the pertinent provision of revise	į						
2		regulations. Delivery period within 30 C. D. upon effectivity of Notice to Proceed. Administrative penalties						
2	pursuant to Sec. 69 of the Revised IRR-RA				PETER SCI	HELER V. SOCO		
_	valid reason.			•	i	Chairman		
3	Price validity shall be for a period of one hundred twenty (120) calendar days.				En	gineer III		
4 5	This request for Proposal (RFP) must be acco	ompanied with deailed esti	mates and the	ff:				
3	a. Mayor's permit/Business Permit b. PhilGEPS Registration				į			
	c. PCAB License				:			
						<i>(</i> ,		
	d.Omnibus Sworn Statement					<i>'</i> ,		
		nsulting Services)			JOEL	V. PEREZ		
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Republic of the Philippines DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS LEYTE 4th DISTRICT ENGINEERING OFFICE

Ormoc City, Region VIII

TERMS OF REFERENCE (ToRs)

Geotechnical Investigation in connection with the Construction of Seawall, Brgy. Ipil, Ormoc City, Leyte
Ormoc City, Leyte
P 260,525.37
30 cal. days

1. BACKGROUND:

The Department of Public Works and Highways (DPWH) 4th DEO, Ormoc City has proposed the Preparation of Soil Exploration/Investigation on the above project.

The proposed project is the subject of preliminary and detailed engineering particularly construction of various Flood Control subsurface soil exploration work as follows and shall include the Geotechnical reports and analysis.

Item No.	Description	Qty	Unit
B.19	Construction of Seawall, Brgy. Ipil, Ormoc City, Leyte	4	Boreholes
	Total	4	Boreholes

The Consultant shall be responsible for carrying out the necessary subsurface soil exploration works in respect to the project stated. After the receipt of the Notice to Proceed (NTP), the Consultant shall coordinate with the Planning and Design Section, DPWH Leyte 4th DEO, Ormoc City, particularly on site of the projects.

Upon completion of the subsurface exploration work activities, the Consultant shall submit their geotechnical report to DPWH Leyte 4th DEO, Ormoc City. The consultant shall be responsible for the reliability of the report presented.

2. OBJECTIVES:

The Government of the Republic of the Philippines (GOP), through the Department of Public Works and Highways (DPWH) Leyte 4th DEO, Ormoc City, intends to engage the services of a Consulting/Engineering Firm (Consultant) to undertake Soil Exploration (Bore hole) and needed for the purpose.

The Consultant shall provide professional services required for the Soil Exploration of **Geotechnical Investigation in connection with the Construction of Seawall, Brgy. Ipil, Ormoc City, Leyte** (Borehole) of the Soil Exploration Test by conducting the necessary soil exploration (borehole) and other related data needed for the purpose.

To determine the technical and economic feasibility in terms of the optimum level and timing for improvement of the project areas in particular.

3. SCOPE OF CONSULTING SERVICES/WORK:

The Consultant shall provide professional services required for the Soil Exploration (Borehole) of the **Geotechnical Investigation in connection with the Construction of Seawall, Brgy. Ipil, Ormoc City, Leyte** by conducting the necessary soil exploration (borehole) and other related data needed for the purpose.

Drilling and Sampling

Samples shall undertake with an interval of minimum of **50 meters** with a minimum depth of **23 meters** or until it reach to Hard Strata or extend if necessary depending on the soil classification. The Consultant is allowed to render other technical support services which are deemed relevant to the project. Shall be conducted along TE section and river banks. In sand, clay and silt materials, the boreholes shall be advanced by the wash boring method in between sampling sections using discharged chopping bits.

Drilling and sampling procedures shall comply in accordance with ASTM Standards.

Standard Penetration Test (STP)

Shall be conducted in accordance to ASTM D-1596. This test shall be carried out through ordinary soil encountered to the depths required.

4. DATA, REPORTS AND TIME SCHEDULE:

During the period of the contract, the Consultant shall prepare Monthly Progress Report (MPR) in a form to be approved by the DPWH qualified representative and submit to DPWH -Planning and Design Section.

Monthly Progress Report shall consist of the ff.:

- -Overall summary of accomplishment
- -Core drilling progress
- -Laboratory tests accomplishment
- -Schedule of work
- -List of equipment used
- -Organizational chart
- -Detailed progress of charts.

The consultant is required to submit partial reports consisting of completed results of boring in the form of a final boring log and soil profile for immediate use in the preliminary design work.

The Consultant shall submit **Three (3) copies (hard bound) and soft copy** of the Geotechnical Report to the **Department of Public Works and Highways (DPWH) 4th DEO, Ormoc City**. This shall include the compiles final **boring logs, Geological Profile, Laboratory Test Result,** and **Geotagged Photos** taken at each borehole during the fieldwork.

All the works, including laboratory and office preparation of data shall be completed in **30 calendar days** after issuance of Notice to Proceed (NTP).

FIELD WORKS:

- a. Title of Investigation, location, period and name of investigation team
- b. Location Plan (include Boreholes)
- c. Arrangement of Geotechnical Investigation, method and process
- d. Boring Data
 - d1. Ground elevations at boring point
 - d2. WGS84 coordinates at boring points
 - d3. Data, elevation and depth of layers. Ground water elevation
 - d4. Thickness of layer, graphic symbols, classification by field observation, description of soil and rock.
 - d5. N-values and depth by standard penetration tests and graphs of N-values.
 - d6. Whole core box sample photograph in field (spit core)

LABORATORY TESTING: ACTIVITIES

Hole to hole transfer and equipment set up Penetration through ordinary soil Standard Penetration Test (SPT)

Undisturbed Soil Sampling

Rock Coring/Drilling

Core box & Soil Containers

LABORATORY

Mechanical Seive and Hydrometer

Liquid and Plastic Limit

Nature Moisture Content

Specific Gravity

Consolidation Test for undisturbed sample

Trixial Compression

Unconfined Compression per test

The consultant shall prepare Boring Logs, Photographs showing the borehole/grilling and sampling at each proposed sites.

The consultant is required to submit partial reports consisting of completed results of boring.

5. PERSONNEL/MANPOWER REQUIREMENTS

The Consultants shall be composed of qualified staff with experience in the conduct and preparation of infrastructure feasibility studies including preliminary design, traffic, and social, economic and environmental impact assessment. It shall provide the required expertise in all fields of specialization required in the conduct of the study such as buildings, flood control and bridges for the satisfactory and quality performance of the services.

The Technical staff:

a) Project Manager

- 5 years experience
- Bachelor Degree or higher level of education in Civil Engineering Experience
- Professional license and relevant Minimum five (5) years of experience in geotechnical/soils investigation
- Prepares operation plan and supervised all aspects of the project to ensure geotechnical/soils investigation compliance with the objectives and maintain progress in accordance with the contract time schedule.

b) Geotechnical Engineer

- 3 years experience
- Bachelor Degree or higher level of education in Civil Engineering Experience
- Professional license and relevant Minimum five (5) years of experience in geotechnical/soil investigation
- Collect, evaluate, investigate of the geological information on the project sites and the physical properties of materials to facilitate the design structures. Perform necessary subsoil investigation on each section with samples to be taken at suitable intervals.

c) Technical Manager

- 3 years experience
- Bachelor Degree or higher level of education in Civil Engineering Experience
- Supervise the laboratory technicians and prepares accomplishment reports of the laboratory works. Check the encoded laboratory test results and handles the printing of the report.

d) Laboratory Technician

- 3 years experience
- Bachelor Degree or higher level of education in Civil Engineering Experience
- Relevant experience in conducting laboratory tests
- Investigate the physical properties of materials to facilitate the design of structures and performs laboratory tests

e) Field Engineer

- 3 years experience
- Bachelor Degree or higher level of education in Civil Engineering Experience
- Supervise the field drilling and sampling.

f) Senior Core Driller

- 3 years experience
- Relevant experience in drilling operations
- Handles the drilling machine during field sampling

g) Engineering Assistant

- 3 years experience
- College level of education in Civil Engineering Experience
- Assist the field engineer in supervising the drilling and sampling

h) Engineering Aide

- 3 years experience
- College level or any-course related to Civil Engineering
- Assist the field engineer in supervising the drilling and sampling

Prepared by:

ALFIE R. GAMUTAN

Engineer II

Reviewed and Submitted by:

MA. CELINA A. SIA

OJC-Chief, Planning and Design Section

Recommending for approval:

PETER SCHEVER V. SOCO OIC-Assistant District Engineer

Approved:

ROSITA A. TINAWIN

OIC-District Engineer