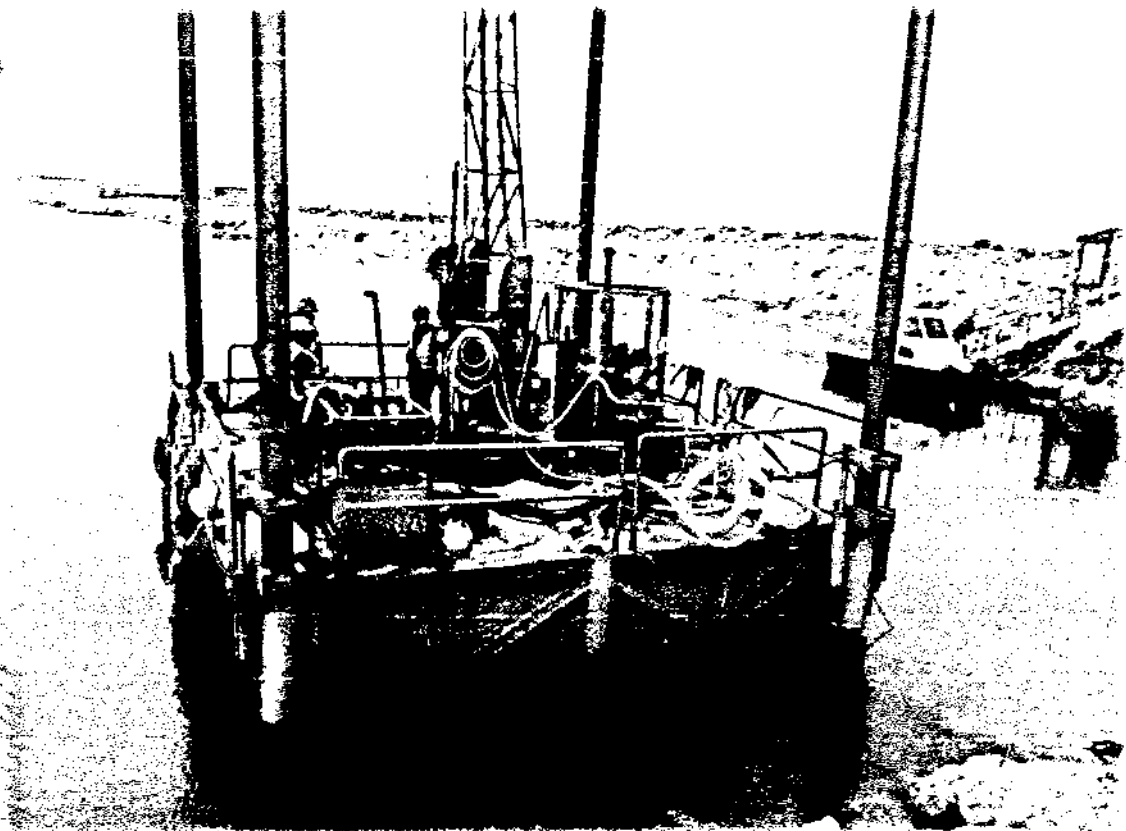




# **PROCUREMENT OF TECHNICAL SERVICES FOR THE CONDUCT OF SOIL INVESTIGATION AT SELECTED PORTS (PACKAGE 10)**



**BID DOCUMENTS**  
**PORT PLANNING & DESIGN DEPARTMENT**  
**March 2019**

**HO-BAC-EP-CON-001-2019**

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***Section I. REQUEST FOR  
EXPRESSION OF INTEREST***



## **REQUEST FOR EXPRESSION OF INTEREST**

### **FOR THE PROCUREMENT OF TECHNICAL SERVICES FOR THE CONDUCT OF SOIL INVESTIGATION AT SELECTED PORTS (PACKAGE 10)**

The Philippine Ports Authority, through its Corporate Budget for CY 2019 intends to apply the sum of **P33,194,196.54** being the Approved Budget for the Contract (ABC) to payments under the contract for the Procurement of Technical Services for the Conduct of Soil Investigation at Selected Ports (Package 10) (HO-BAC-EP-CON 001-2019), which shall cover the following ports:

#### **LUZON**

1. Currimao, Ilocos Norte
2. Matnog, Sorsogon
3. Lucena City, Sorsogon
4. Bulan, Sorsogon
5. Pio Duran, Albay
6. San Andres, Catanduanes
7. Pootoy, Odiongan, Romblon
8. Masbate City, Masbate
9. Sual, Pangasinan
10. Cawayan, Masbate
11. San Jose, Caminawit, Occ. Mindoro

#### **VISAYAS**

1. Villa Miranda, Victorias City, Negros Occidental
2. Alegria, Buruanga, Aklan
3. Tagbilaran City, Bohol
4. Maguino-o, Calbayog, Samar
5. Baybay, Southern Leyte
6. Basiao, Ivisan, Capiz
7. Tubigon, Bohol

#### **MINDANAO**

1. Lipata, Surigao del Norte
2. Iligan City, Lanao del Norte
3. Timaco, Kalanganan, Cotabato City, Maguindanao
4. Plaridel, Misamis Occidental
5. Zamboanga City, Zamboanga

Bids received in excess of the ABC shall be automatically rejected at the opening of the financial proposals.

The Philippine Ports Authority now calls for the submission of eligibility documents for the drilling of and testing of soil samples from one hundred six (106) boreholes, of which eighty four (84) shall be drilled offshore each to a depth of about 50 meters below seabed and twenty two (22) shall be drilled inland to a depth of 30 meters below existing

ground line maximum for each borehole, respectively and/or there is 5 consecutive SPT N values of at least 50 blows but with less than 1 foot (30 cm.) of soil penetration recorded during two (2)- successive 15 cm. penetrations of the Split-Spoon Sampler or 4.5 meters coring into bedrock, whichever comes first. Eligibility documents of interested consultants must be duly received by the BAC Secretariat on or before **27 March 2019 at 9:00 a.m.**, at the BAC Office, 5<sup>th</sup> Floor, PPA Building, A. Bonifacio Drive, South Harbor, Port Area, Manila. Opening of Eligibility Documents is on **27 March 2019 at 10:00 a.m.** Applications for eligibility will be evaluated based on a non-discretionary "pass/fail" criterion.

Interested bidders may obtain further information from the Philippine Ports Authority Bids and Awards Committee for Engineering Projects and inspect the Bidding Documents at the address given below during office hours (8:00 a.m. to 5:00 p.m.).

A complete set of Bidding Documents may be acquired by shortlisted Bidders on **27 March 2019** from the address below and upon payment of the applicable fee for the Bidding Documents, pursuant to the latest Guidelines issued by the GPPB, in the amount of **P25,000.00**. It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the website of the Procuring Entity, provided that Bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.

The BAC shall draw up the short list of consultants from those who have submitted Expression of Interest, including the eligibility documents, and have been determined as eligible in accordance with the provisions of Republic Act 9184 (RA 9184) otherwise known as the "Government Procurement Reform Act," and its Implementing Rules and Regulations (IRR). The short list shall consist of not more than **FIVE (5)** prospective bidders who will be entitled to submit bids. The criteria and rating system for short listing are:

1. Applicable experience of the consultant and members in case of joint ventures, considering both the overall experiences of the firm or, in the case of new firms, the individual experiences of the principal and key staff, including the times when employed by other consultants;
2. Qualification of personnel who may be assigned to the job vis-à-vis extent and complexity of the undertaking; and
3. Current workload relative to capacity.

Bidding will be conducted through open competitive bidding procedures using non-discretionary "pass/fail" criterion as specified in the IRR of RA 9184. Bidding is restricted to Filipino citizens/sole proprietorships, cooperatives, and partnerships or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines.

The Philippine Ports Authority shall evaluate bids using the Quality-Cost Based Evaluation (QCBE) procedure. The weight to be allocated for the Technical Proposal is 80% while for the Financial Proposal, the weight is 20%. The criteria and rating system for the evaluation of bids shall be provided in the Instructions to Bidders.

The contract shall be completed within **EIGHT (8) MONTHS**.

The Philippine Ports Authority reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Section 41 of R.A. 9184 and its IRR, without thereby incurring any liability to the affected bidder or bidders.

For further information, please refer to:

BAC Secretariat, Philippine Ports Authority  
5th Floor, PPA Building, A. Bonifacio Drive,  
South Harbor, Port Area, Manila

Telephone/Fax No. 527-47-35  
954-88-00 loc. 539

PPA Website : [www.ppa.com.ph](http://www.ppa.com.ph)

- **Cost of Eligibility Documents : P 1,000.00**



**MARK JONS. PALOMAR**  
Chairperson, PPA Head Office Bids and Awards  
Committee for Engineering Projects



***Section II. INSTRUCTIONS TO  
BIDDERS***

## **A. General**

### **1. Introduction**

- 1.1. The Procuring Entity named in the Bid Data Sheet (**BDS**) shall select an individual, sole proprietorship, cooperative, partnership, corporation, or a joint venture (JV) (hereinafter referred to as "Consultant") from among those short listed, in accordance with the evaluation procedure specified in the **BDS**.
- 1.2. The Procuring Entity has received financing (hereinafter called "funds") from the source indicated in the **BDS** (hereinafter called the "Funding Source") toward the cost of the Project named in the **BDS**. The Procuring Entity intends to apply a portion or the whole of the funds to payments for this Project.
- 1.3. Consultants are invited to submit bids composed of a technical proposal and a financial proposal for Consulting Services required for this Project described in the **BDS**. Bids shall be the basis for contract negotiations and ultimately for a signed contract with the selected Consultant.
- 1.4. If the **BDS** indicates that the Project will be completed in phases, each phase must be completed to the Procuring Entity's satisfaction prior to the commencement of the next phase.
- 1.5. Consultants must familiarize themselves with local conditions and take them into account in preparing their bids. To obtain firsthand information on the project and on the local conditions, Consultants are encouraged to visit the Procuring Entity before submitting a bid and to attend the pre-bid conference specified in **ITB Clause 7**.
- 1.6. The Consultants' costs of preparing their bids and negotiating the contract, including a visit to the Procuring Entity, are not reimbursable as a direct cost of the project.
- 1.7. Consultants shall not be under a declaration of ineligibility for corrupt, fraudulent, collusive, or coercive or obstructive practices issued by the Funding Source or the Procuring Entity in accordance with **ITB Clause 3.1**.

### **2. Conflict of Interest**

- 2.1. The Funding Source's policy requires that Consultants provide professional, objective, and impartial advice and at all times hold the Procuring Entity's interests paramount, without any consideration for future work, and strictly avoid situations where a conflict of interest shall arise with their other projects or their own interests. Consultants shall not be hired for any project that would be in conflict with their prior or current obligations to other entities, or that may place them in

a position of not being able to carry out the Project in the best interest of the Procuring Entity. Without limitation on the generality of this rule, Consultants shall not be hired under the circumstances set forth below:

- (a) If a Consultant combines the function of consulting with those of contracting and/or supply of equipment for the same Project;
- (b) If a Consultant is associated with, affiliated to, or owned by a contractor or a manufacturing firm with departments or design offices offering services as consultants unless such Consultant includes relevant information on such relationships along with a statement in the Technical Proposal cover letter to the effect that the Consultant shall limit its role to that of a consultant and disqualify itself and its associates from work in any other capacity that may emerge from the Project (including bidding for any part of the future project). The contract with the Consultant selected to undertake the Project shall contain an appropriate provision to such effect; or
- (c) If there is a conflict among consulting projects, the Consultant (including its personnel and subcontractors) and any subsidiaries or entities controlled by such Consultant shall not be recruited for the relevant project. The duties of the Consultant depend on the circumstances of each case. While continuity of consulting services may be appropriate in particular situations where no conflict exists, a Consultant cannot be recruited to carry out a project that, by its nature, shall result in conflict with a prior or current project of such Consultant. Examples of the situations mentioned are when a Consultant engaged to prepare engineering design for an infrastructure project shall not be recruited to prepare an independent environmental assessment for the same project; similarly, a Consultant assisting a Procuring Entity in privatization of public assets shall not purchase, nor advise purchasers, of such assets; or a Consultant hired to prepare Terms of Reference (TOR) for a project shall not be recruited for the project in question.

2.2. Consultants shall not be related to the Head of the Procuring Entity (HoPE), members of the BAC, the TWG, and the BAC Secretariat, the head of the PMO or the end-user unit, and the project consultants, by consanguinity or affinity up to the third civil degree. The prohibition shall apply as follows:

- (a) If the Consultant is an individual or sole proprietorship, then to himself;
- (b) If the Consultant is a partnership, then to all its officers and members;

- (c) If the Consultant is a corporation, then to all its officers, directors and controlling stockholders;
- (d) If the Consultant is a cooperative, to all its officers, directors, and controlling shareholders or members; or
- (e) If the Consultant is a JV, the provisions of items (a), (b), (c) or (d) of this Section shall correspondingly apply to each of the members of the said joint venture, as may be appropriate.

Relationship of the nature described above or a failure to comply with the provisions of this clause will result in the rejection of the Consultant's bid.

- 2.3. Subject to the provisions of ITB Clause 2, any previous or ongoing participation by the Consultant, its professional staff, or its affiliates or associates under a contract with the Funding Source or the Procuring Entity in relation to this Project may result in the rejection of its bid. Consultants should clarify their situation in that respect with the Procuring Entity before preparing its bid.
- 2.4. Failure by a Consultant to fully disclose potential conflict of interest at the time of Bid submission, or at a later date in the event that the potential conflict arises after such date, shall result in the Procuring Entity and/or the Funding Source seeking the imposition of the maximum administrative, civil and criminal penalties up to and including imprisonment.
- 2.5. Consultants are discouraged to include officials and employees of the Government of the Philippines (GOP) as part of its personnel. Participation of officials and employees of the GOP in the Project shall be subject to existing rules and regulations of the Civil Service Commission.
- 2.6. Fairness and transparency in the selection process require that Consultants do not derive unfair competitive advantage from having provided consulting services related to the Project in question. To this end, the Procuring Entity shall make available to all the short listed consultants together with the Bidding Documents all information that would in that respect give each Consultant a competitive advantage.

### **3. Corrupt, Fraudulent, Collusive, and Coercive Practices**

- 3.1. The Procuring Entity as well as the Consultants shall observe the highest standard of ethics during the procurement and execution of the contract. In pursuance of this policy, the Procuring Entity:
  - (a) defines, for purposes of this provision, the terms set forth below as follows:

- (i) **“corrupt practice” means behavior on the part of officials in the public or private sectors by which they improperly and unlawfully enrich themselves, others, or induce others to do so, by misusing the position in which they are placed, and includes the offering, giving, receiving, or soliciting of anything of value to influence the action of any such official in the procurement process or in contract execution; entering, on behalf of the GOP, into any contract or transaction manifestly and grossly disadvantageous to the same, whether or not the public officer profited or will profit thereby, and similar acts as provided in Republic Act 3019.**
- (ii) **“fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Procuring Entity, and includes collusive practices among Bidders (prior to or after bid submission) designed to establish bid prices at artificial, non-competitive levels and to deprive the Procuring Entity of the benefits of free and open competition.**
- (iii) **“collusive practices” means a scheme or arrangement between two or more Bidders, with or without the knowledge of the Procuring Entity, designed to establish bid prices at artificial, non-competitive levels.**
- (iv) **“coercive practices” means harming or threatening to harm, directly or indirectly, persons, or their property to influence their participation in a procurement process, or affect the execution of a contract;**
- (v) **“obstructive practice” is**
  - (aa) **deliberately destroying, falsifying, altering or concealing of evidence material to an administrative proceedings or investigation or making false statements to investigators in order to materially impede an administrative proceedings or investigation of the Procuring Entity or any foreign government/foreign or international financing institution into allegations of a corrupt, fraudulent, coercive or collusive practice; and/or threatening, harassing or intimidating any party to prevent it from disclosing its knowledge of matters relevant to the administrative proceedings or investigation or from pursuing such proceedings or investigation; or**

- (bb) acts intended to materially impede the exercise of the inspection and audit rights of the Procuring Entity or any foreign government/foreign or international financing institution herein.
  - (b) will reject a proposal for award if it determines that the Bidder recommended for award has engaged in any of the practices mentioned in this Clause for purposes of competing for the contract.
- 3.2. Further, the Procuring Entity will seek to impose the maximum civil, administrative, and/or criminal penalties available under applicable laws on individuals and organizations deemed to be involved in any of the practices mentioned in ITB Clause 3.1(a).

Furthermore, the Funding Source and the Procuring Entity reserve the right to inspect and audit records and accounts of a Consultant in the bidding for and performance of a contract themselves or through independent auditors as reflected in the GCC Clause 51.

#### **4. Consultant's Responsibilities**

- 4.1. The Consultant or its duly authorized representative shall submit a sworn statement in the form prescribed in Section VII. Bidding Forms as required in ITB Clause 10.2(d).
- 4.2. The Consultant is responsible for the following:
- (a) Having taken steps to carefully examine all of the Bidding Documents;
  - (b) Having acknowledged all conditions, local or otherwise, affecting the implementation of the contract;
  - (c) Having made an estimate of the facilities available and needed for this Project, if any;
  - (d) Having complied with its responsibility to inquire or secure Supplemental/Bid Bulletin/s as provided under ITB Clause 8.44.
  - (e) Ensuring that it is not "blacklisted" or barred from bidding by the GOP or any of its agencies, offices, corporations, or LGUs, including foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the GPPB;
  - (f) Ensuring that each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original,

complete, and all statements and information provided therein are true and correct;

- (g) Authorizing the Head of the Procuring Entity or its duly authorized representative/s to verify all the documents submitted;
- (h) Ensuring that the signatory is the duly authorized representative of the Bidder, and granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract, accompanied by the duly notarized Special Power of Attorney, Board/Partnership Resolution, or Secretary's Certificate, whichever is applicable;
- (i) Complying with the disclosure provision under Section 47 of RA 9184 and its IRR in relation to other provisions of Republic Act 3019;
- (j) Complying with existing labor laws and standards, in the case of procurement of services. Moreover, bidder undertakes to:
  - (i) Ensure the entitlement of workers to wages, hours of work, safety and health and other prevailing conditions of work as established by national laws, rules and regulations; or collective bargaining agreement; or arbitration award, if and when applicable.

In case there is a finding by the Procuring Entity or the DOLE of underpayment or non-payment of workers' wage and wage-related benefits, bidder agrees that the performance security or portion of the contract amount shall be withheld in favor of the complaining workers pursuant to appropriate provisions of Republic Act No. 9184 without prejudice to the institution of appropriate actions under the Labor Code, as amended, and other social legislations.

- (ii) Comply with occupational safety and health standards and to correct deficiencies, if any.

In case of imminent danger, injury or death of the worker, bidder undertakes to suspend contract implementation pending clearance to proceed from the DOLE Regional Office and to comply with Work Stoppage Order; and

- (iii) Inform the workers of their conditions of work, labor clauses under the contract specifying wages, hours of work and other benefits under prevailing national laws, rules and regulations; or collective bargaining

agreement; or arbitration award, if and when applicable, through posting in two (2) conspicuous places in the establishment's premises; and

- (k) Ensuring that it did not give or pay, directly or indirectly, any commission, amount, fee, or any form of compensation, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.

Failure to observe any of the above responsibilities shall be at the risk of the Consultant concerned.

- 4.3. It shall be the sole responsibility of the prospective bidder to determine and to satisfy itself by such means as it considers necessary or desirable as to all matters pertaining to this Project, including: (a) the location and the nature of the contract, project, or work; (b) climatic conditions; (c) transportation facilities; (c) nature and condition of the terrain, geological conditions at the site communication facilities, requirements, location and availability of construction aggregates and other materials, labor, water, electric power and access roads; and (d) other factors that may affect the cost, duration and execution or implementation of the contract, project, or work.
- 4.4. The Procuring Entity shall not assume any responsibility regarding erroneous interpretations or conclusions by the Consultant out of the data furnished by the Procuring Entity. However, the Procuring Entity shall ensure that all information in the Bidding Documents, including supplemental/bid bulletins issued are correct and consistent.
- 4.5. Before submitting their bids, the Consultants are deemed to have become familiar with all existing laws, decrees, ordinances, acts and regulations of the GOP which may affect the contract in any way.
- 4.6. The Consultant shall bear all costs associated with the preparation and submission of his bid, and the Procuring Entity will in no case be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.
- 4.7. Consultants should note that the Procuring Entity will only accept bids from those that have paid the applicable fee for the Bidding Documents at the office indicated in the Request for Expression of Interest.

## **5. Origin of Associated Goods**

Unless otherwise indicated in the **BDS**, there is no restriction on the origin of Goods other than those prohibited by a decision of the United Nations Security Council taken under Chapter VII of the Charter of the United Nations.



## **6. Subcontracts**

- 6.1. Unless otherwise specified in the **BDS**, the Consultant may subcontract portions of the Consulting Services to an extent as may be approved by the Procuring Entity and stated in the **BDS**. However, subcontracting of any portion shall not relieve the Consultant from any liability or obligation that may arise from the contract for this Project.
- 6.2. Subcontractors must comply with the eligibility criteria and the documentary requirements specified in the **BDS**. In the event that any subcontractor is found by the Procuring Entity to be ineligible, the subcontracting of such portion of the Consulting Services shall be disallowed.
- 6.3. The Consultant may identify the subcontractor to whom a portion of the Consulting Services will be subcontracted at any stage of the bidding process or during contract implementation. If the Consultant opts to disclose the name of the subcontractor during bid submission, the Consultant shall include the required documents as part of the technical component of its bid. A subconsultant that is identified by the Consultant during contract implementation must comply with the eligibility criteria and documentary requirements and secure approval of the Procuring Entity.

## **B. Contents of Bidding Documents**

## **7. Pre-Bid Conference**

- 7.1. If so specified in the **BDS**, a pre-bid conference shall be held at the venue and on the date indicated therein, to clarify and address the Consultants' questions on the technical and financial components of this Project.
- 7.2. The pre-bid conference shall be held at least twelve (12) calendar days before the deadline for the submission and receipt of bids, but not earlier than seven (7) calendar days from the determination of the shortlisted consultants. If the Procuring Entity determines that, by reason of the method, nature, or complexity of the contract to be bid, or when international participation will be more advantageous to the GoP, a longer period for the preparation of bids is necessary, the pre-bid conference shall be held at least thirty (30) calendar days before the deadline for the submission and receipt of bids.
- 7.3. Consultants are encouraged to attend the pre-bid conference to ensure that they fully understand the Procuring Entity's requirements. Non-attendance of the Consultant will in no way prejudice its bid; however, the Consultant is expected to know the changes and/or amendments to the Bidding Documents as recorded in the minutes of the pre-bid conference and the Supplemental/Bid Bulletin. The minutes of the pre-bid conference shall be recorded and prepared not later than five

(5) calendar days after the pre-bid conference. The minutes shall be made available to prospective bidders not later than five (5) days upon written request.

- 7.4. Any statement made at the pre-bid conference shall not modify the terms of the Bidding Documents unless such statement is specifically identified in writing as an amendment thereto and issued as a Supplemental/Bid Bulletin.

## **8. Clarifications and Amendments to Bidding Documents**

- 8.1. Shortlisted Consultants may request for clarification(s) on and/or an interpretation of any part of the Bidding Documents. Such a request must be in writing and submitted to the Procuring Entity at the address indicated in the **BDS** at least ten (10) calendar days before the deadline set for the submission and receipt of bids.
- 8.2. The BAC shall respond to the said request by issuing a Supplemental/Bid Bulletin to be made available to all those who have properly secured the Bidding Documents at least seven (7) calendar days before the deadline for the submission and receipt of Bids.
- 8.3. Supplemental/Bid Bulletins may also be issued upon the Procuring Entity's initiative for purposes of clarifying or modifying any provision of the Bidding Documents not later than seven (7) calendar days before the deadline for the submission and receipt of bids. Any modification to the Bidding Documents shall be identified as an amendment.
- 8.4. Any Supplemental/Bid Bulletin issued by the BAC shall also be posted in the PhilGEPS and the website of the Procuring Entity concerned, if available and at any conspicuous place in the premises of the Procuring Entity concerned. It shall be the responsibility of all Consultants who have properly secured the Bidding Documents to inquire and secure Supplemental/Bid Bulletins that may be issued by the BAC. However, Consultants who have submitted bids before the issuance of the Supplemental/Bid Bulletin must be informed and allowed to modify or withdraw their bids in accordance with ITB Clause 20.

## **C. Preparation of Bids**

### **9. Language of Bids**

The eligibility requirements or statements, the bids, and all other documents to be submitted to the BAC must be in English. If the eligibility requirements or statements, the bids, and all other documents submitted to the BAC are in foreign language other than English, it must be accompanied by a translation of the documents in English. The documents shall be translated by the relevant foreign government agency, the foreign government agency authorized to translate documents, or a registered translator in the foreign bidder's country;

and shall be authenticated by the appropriate Philippine foreign service establishment/post or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. The English translation shall govern, for purposes of interpretation of the bid.

## **10. Documents Comprising the Bid: Technical Proposal**

10.1. While preparing the Technical Proposal, Consultants must give particular attention to the following:

- (a) The Technical Proposal shall not include any financial information. Any Technical Proposal containing financial information shall be declared non-responsive.
- (b) For projects on a staff-time basis, the estimated number of professional staff-months specified in the **BDS** shall be complied with. Bids shall, however, be based on the number of professional staff-months estimated by the Consultant.
- (c) Proposed professional staff must, at a minimum, have the experience indicated in the **BDS**, preferably working under conditions similar to those prevailing in the Republic of the Philippines.
- (d) No alternative professional staff shall be proposed, and only one Curriculum Vitae (CV) may be submitted for each position.

10.2. The Technical Proposal shall contain the following information/documents:

- (a) Technical Proposal Submission Form shall be the cover letter of the Technical Proposal, using the form prescribed in Section VII. Bidding Forms (TPF 1).
- (b) Bid security as prescribed in ITB Clause 15. If the bidder opts to submit the bid security in the form of:
  - (i) a bank draft/guarantee or an irrevocable Letter of Credit issued by a foreign bank, it shall be accompanied by a confirmation from a Universal or Commercial Bank; or
  - (ii) a surety bond accompanied by a certification coming from the Insurance Commission that the surety or insurance company is authorized to issue such instrument.
- (c) Information indicated in the paragraphs below must be provided by the Consultant and each partner and/or subconsultant, if any, following the formats described in the Technical Proposal Forms:

- (i) A brief description of the organization and outline of recent experience of the Consultant and each partner and/or subconsultant on projects of a similar and related nature as required in form TPF 2. Consultant's References. For each project, the outline should indicate *inter alia*, the project, contract amount and the Consultant's involvement. Information should be provided only for those projects for which the Consultant was legally contracted by itself or as one of the major participating consultants within an association. Whenever applicable, the experience of individual experts from projects completed independently or when associated with consultants other than the one with whom the individual is currently associated with cannot be claimed as the experience of the current consultant or any one of its partners and/or subconsultants, but can be claimed by the individuals themselves in their CVs. Consultants should be prepared to substantiate the claimed experience if so requested by the Procuring Entity.
- (ii) Comments, if any, on the TOR (TPF 3. Comments and Suggestions of Consultant on the Terms of Reference and on Data, Services, and Facilities to be Provided by the Procuring Entity) to improve performance in carrying out the Project. Innovativeness shall be appreciated, including workable suggestions that could improve the quality/effectiveness of the Project. In this regard, unless the Consultant clearly states otherwise, it shall be assumed by the Procuring Entity that work required to implement any such improvements, are included in the inputs shown on the Consultant's Staffing Schedule. It shall include a list of facilities requested by the Consultant to be provided by the Procuring Entity, if any, in addition to those shown on the Data Sheet that may include support facilities such as: counterpart staff, office space, local transportation, equipment, domestic administrative support, etc. that would be needed to carry out the project.
- (iii) A concise, complete, and logical description of how the Consultant's team shall carry out the services to meet all requirements of the TOR using TPF 4. Description of the Methodology and Work Plan for Performing the Project.
- (iv) An organization chart of the key and support staff indicating their tasks and relationships amongst the Consultant and any partner and/or subconsultant, the Procuring Entity, the Funding Source and the GoP, and

other parties or stakeholders, if any, involved in the project using TPF 5. Team Composition and Task.

- (v) The name, age, nationality, background employment record, and professional experience of each nominated expert including ongoing projects, with particular reference to the type of experience required for the tasks assigned should be presented in the CV format shown in TPF 6. Format of Curriculum Vitae (CV) for Proposed Professional Staff. A duly notarized CV for each consultant involved in the Project shall be submitted for each position.
  - (vi) The Procuring Entity requires that each expert confirm that the content of his/her CV is correct and the experts themselves should sign the certification of the CV. In addition, the expert should submit a signed written commitment stating that the expert shall work for the Project once awarded the contract. A zero rating shall be given to a nominated expert if the expert:
    - (vi.1) is proposed for a domestic position but is not a Filipino citizen;
    - (vi.2) failed to state nationality on the CV; or
    - (vi.3) the CV is not signed in accordance with paragraph (v) above.
  - (vii) A Time Schedule (TPF 7. Time Schedule for Professional Personnel) indicating clearly the estimated duration in terms of person-months (shown separately for work in the field and in the home office) and the proposed timing of each input for each nominated expert, including domestic experts, if required, using the format shown. The schedule shall also indicate when experts are working in the project office and when they are working at locations away from the project office.
  - (viii) A work plan showing in graphical format (bar chart) the timing of major activities, anticipated coordination meetings, and deliverables such as reports required under the TOR using TPF 8. Activity (Work) Schedule.
- (d) Sworn statement in accordance with Section 25.3 of the IRR of RA 9184 and using the form prescribed in Section VII. Bidding Forms.

## **11. Documents Comprising the Bid: Financial Proposal**

- 11.1. All information provided in a Consultant's Financial Proposal shall be treated as confidential. The Financial Proposal must be submitted in hard copy using the format shown in Financial Proposal Forms.
- 11.2. The Financial Proposal requires completion of six (6) forms, particularly, FPF 1, FPF 2, FPF 3, FPF 4, FPF 5, and FPF 6. FPF 1. Financial Proposal Submission Form should form the covering letter of the Financial Proposal. Form FPF 2. Summary of Cost FPF 3. Breakdown of Price per Activity, FPF 4. Breakdown of Remuneration per Activity, FPF 5. Reimbursable per Activity, and FPF 6. Miscellaneous Expenses, relate to the costs of consulting services under two distinct categories, namely: (a) Remuneration; and (b) Reimbursable Expenditures.
- 11.3. Remuneration is divided into billing rate estimates for international and domestic consultants. Reimbursable Expenditures are divided into per diem rates for international and domestic consultants and costs for other reimbursable expenditure items required to perform the consulting services.
- 11.4. The list of experts, and their respective inputs, identified in Financial Proposal Forms, must match the list of experts and their respective inputs shown in Technical Proposal Forms.
- 11.5. The Consultant shall be subject to Philippine taxes on amounts payable by the Procuring Entity under the contract through mandated withholding by local tax authorities of specified percentages of such amounts or otherwise. The BDS details the taxes payable.
- 11.6. The Financial Proposal should clearly estimate, as a separate amount, the local taxes (including social security), duties, fees, levies, and other charges imposed under the applicable law, on the Consultants, the subcontractors, and its personnel (other than Philippine Nationals or permanent residents of the Philippines).
- 11.7. Unless otherwise provided in the BDS, total calculated bid prices, as evaluated and corrected for minor arithmetical corrections, such as computational errors, which exceed the approved budget for the contract (ABC) shall not be considered.

## **12. Alternative Bids**

Consultants participating in more than one bid or associating with any other entity other than those already provided in its eligibility documents and allowed by the Procuring Entity shall be disqualified.

### 13. Bid Currencies

- 13.1. All bid prices shall be quoted in Philippine Pesos unless otherwise provided in the **BDS**. However, for purposes of bid evaluation, bids denominated in foreign currencies shall be converted to Philippine currency based on the exchange rate prevailing on the day of the bid opening.
- 13.2. If so allowed in accordance with ITB Clause 13.1, the Procuring Entity for purposes of bid evaluation and comparing the bid prices will convert the amounts in various currencies in which the bid price is expressed to Philippine Pesos at the exchange rate as published in the *Bangko Sentral ng Pilipinas* (BSP) reference rate bulletin on the day of the bid opening.
- 13.3. Unless otherwise specified in the **BDS**, payment of the contract price shall be made in Philippine Pesos.

### 14. Bid Validity

- 14.1. Bids shall remain valid for the period specified in the **BDS** which shall not exceed one hundred twenty (120) calendar days from the date of the opening of bids.
- 14.2. In exceptional circumstances, prior to the expiration of the bid validity period, the Procuring Entity may request Consultants to extend the period of validity of their bids. The request and the responses shall be made in writing. The bid security described in ITB Clause 15 should also be extended corresponding to the extension of the bid validity period at the least. A Consultant may refuse the request without forfeiting its bid security, but his bid shall no longer be considered for further evaluation and award. A Consultant granting the request shall not be required or permitted to modify its bid.

### 15. Bid Security

- 15.1. The Consultant shall submit a Bid Securing Declaration or any form of Bid Security in an amount stated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the following schedule:

Form of Bid Security	Amount of Bid Security (Equal to Percentage of the ABC)
a) Cash or cashier's/manager's check issued by a Universal or Commercial Bank.  <i>For biddings conducted by LGUs, the cashier's/manager's check may be issued by other</i>	Two percent (2%)

<i>banks certified by the BSP as authorized to issue such financial instrument.</i>	
<p>b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank.</p> <p><i>For biddings conducted by LGUs, the Bank Draft/Guarantee, or irrevocable letter of credit may be issued by other banks certified by the BSP as authorized to issue such financial instrument.</i></p>	
c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security.	Five percent (5%)

The Bid Securing Declaration mentioned above is an undertaking which states, among others, that the bidder shall enter into contract with the Procuring Entity and furnish the performance security required under ITB Clause 31, within ten (10) calendar days from receipt of the Notice of Award, and commits to pay the corresponding amount as fine, and be suspended for a period of time from being qualified to participate in any government procurement activity in the event it violates any of the conditions stated therein as provided in the guidelines issued by the GPPB.

- 15.2. The bid security should be valid for the period specified in the **BDS**. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.
- 15.3. No bid securities shall be returned to the Consultants after the opening of bids and before contract signing, except to those that failed or declared as post-disqualified, upon submission of a written waiver of their right to file a request for reconsideration and/or protest or lapse of the reglementary period without having filed a request for reconsideration or protest. Without prejudice on its forfeiture, bid securities shall be returned only after the bidder with the Highest Rated Responsive Bid (HRRB) has signed the contract and furnished the



performance security, but in no case later than the expiration of the bid security validity period indicated in **ITB** Clause 0.

15.4. Upon signing and execution of the contract pursuant to **ITB** Clause 20.4.31, and the posting of the performance security pursuant to **ITB** Clause 20.4.32, the Consultant's bid security will be discharged, but in no case later than the bid security validity period as indicated in **ITB** Clause 0.

15.5. The bid security may be forfeited:

(a) if a Consultant:

- (i) withdraws its bid during the period of bid validity specified in **ITB** Clause 0;
- (ii) does not accept the correction of errors pursuant to **ITB** Clause 11.7;
- (iii) has a finding against the veracity of the required documents submitted in accordance with **ITB** Clause 27.2;
- (iv) submission of eligibility requirements containing false information or falsified documents;
- (v) any submission of bids that contain false information or falsified documents, or the concealment of such information in the bids in order to influence the outcome of eligibility screening or any other stage of the public bidding;
- (vi) allowing the use of one's name, or using the name of another for purposes of public bidding;
- (vii) withdrawal of a bid, or refusal to accept an award, or enter into contract with the Government without justifiable cause, after the Bidder had been adjudged as having submitted the HRRB;
- (viii) refusal or failure to post the required performance security within the prescribed time;
- (ix) refusal to clarify or validate in writing its bid during post-qualification within a period of seven (7) calendar days from receipt of the request for clarification;
- (x) any documented attempt by a Bidder to unduly influence the outcome of the bidding in his favor;

- (xi) failure of the potential joint venture partners to enter into the joint venture after the bid is declared successful; or
  - (xii) all other acts that tend to defeat the purpose of the competitive bidding, such as habitually withdrawing from bidding, submitting late Bids or patently insufficient bid, for at least three (3) times within a year, except for valid reasons.
- (b) if the successful Consultant:
- (i) fails to sign the contract in accordance with **ITB Clause 31**;
  - (ii) fails to furnish performance security in accordance with **ITB Clause 20.4.322**; or
  - (iii) any other reason stated in the **BDS**.

## **16. Format and Signing of Bids**

- 16.1. Consultants shall submit their bids through their duly authorized representative using the appropriate forms provided in Section VII. Bidding Forms on or before the deadline specified in the **ITB Clause 18** in two (2) separate sealed bid envelopes, and which shall be submitted simultaneously. The first shall contain the technical proposal and the second shall contain the financial proposal.
- 16.2. Forms as mentioned in **ITB Clause 16.1** must be completed without any alterations to their format, and no substitute form shall be accepted. All blank spaces shall be filled in with the information requested.
- 16.3. The Consultant shall prepare an original of the first and second envelopes as described in **ITB Clauses 0 and 10.2(a)**. In addition, the Consultant shall submit copies of the first and second envelopes. In the event of any discrepancy between the original and the copies, the original shall prevail.
- 16.4. Each and every page of the Technical Proposal Submission Form and the Financial Proposal Submission Form under Section VII hereof shall be signed by the duly authorized representative/s of the Consultant. Failure to do so shall be a ground for the rejection of the bid.
- 16.5. Any interlineations, erasures, or overwriting shall be valid only if they are signed or initialed by the duly authorized representative/s of the Consultant.

## **17. Sealing and Marking of Bids**

- 17.1. Unless otherwise indicated in the **BDS**, Consultants shall enclose their original technical proposal described in ITB Clause 0, in one sealed envelope marked "ORIGINAL - TECHNICAL PROPOSAL", and the original of their financial proposal in another sealed envelope marked "ORIGINAL - FINANCIAL PROPOSAL", sealing them all in an outer envelope marked "ORIGINAL BID".
- 17.2. Each copy of the first and second envelopes shall be similarly sealed duly marking the inner envelopes as "COPY NO. \_\_\_\_ - TECHNICAL PROPOSAL" and "COPY NO. \_\_\_\_ - FINANCIAL PROPOSAL" and the outer envelope as "COPY NO. \_\_\_\_", respectively. These envelopes containing the original and the copies shall then be enclosed in one single envelope.
- 17.3. The original and the number of copies of the bid as indicated in the **BDS** shall be typed or written in ink and shall be signed by the bidder or its duly authorized representative/s.
- 17.4. All envelopes shall:
  - (a) contain the name of the contract to be bid in capital letters;
  - (b) bear the name and address of the Consultant in capital letters;
  - (c) be addressed to the Procuring Entity's BAC identified in ITB Clause 8.1;
  - (d) bear the specific identification of this bidding process indicated in the ITB Clause 1.2; and
  - (e) bear a warning "DO NOT OPEN BEFORE..." the date and time for the opening of bids, in accordance with ITB Clause 18.
- 17.5. Bid envelopes that are not properly sealed and marked, as required in the bidding documents, shall not be rejected, but the bidder or its duly authorized representative shall acknowledge such condition of the Bid as submitted. The BAC or the Procuring Entity shall assume no responsibility for the misplacement of the contents of the improperly sealed or marked Bid, or for its premature opening.

## **D. Submission of Bids**

## **18. Deadline for Submission of Bids**

Bids must be received by the Procuring Entity's BAC at the address and on or before the date and time indicated in the **BDS**. In case the deadline for submission of bids fall on a non-working day duly declared by the president,

governor or mayor or other government official authorized to make such declaration, the deadline shall be the next working day.

## **19. Late Bids**

Any bid submitted after the deadline for submission and receipt of bids prescribed by the Procuring Entity, pursuant to ITB Clause 18, shall be declared "Late" and shall not be accepted by the Procuring Entity. The BAC shall record in the minutes of Bid submission and opening, the Consultant's name, its representative and the time the late bid was submitted.

## **20. Modification and Withdrawal of Bids**

- 20.1. The Consultant may modify its bid after it has been submitted; provided that the modification is received by the Procuring Entity prior to the deadline prescribed for submission and receipt of bids. The Consultant shall not be allowed to retrieve its original bid, but shall be allowed to submit another bid equally sealed, properly identified in accordance with ITB Clause 17.4, linked to its original bid marked as "TECHNICAL MODIFICATION" or "FINANCIAL MODIFICATION" and stamped "received" by the BAC. Bid modifications received after the applicable deadline shall not be considered and shall be returned to the Consultant unopened.
- 20.2. A Consultant may, through a letter of withdrawal, withdraw its bid after it has been submitted, for valid and justifiable reason; provided that the letter of withdrawal is received by the Procuring Entity prior to the deadline prescribed for submission and receipt of bids. The letter of withdrawal must be executed by the authorized representative of the Bidder identified in the Omnibus Sworn Statement, a copy of which should be attached to the letter.
- 20.3. Bids requested to be withdrawn in accordance with ITB Clause 20.1 shall be returned unopened to the Consultants. A Consultant, who has acquired the bidding documents, may also express its intention not to participate in the bidding through a letter which should reach and be stamped by the BAC before the deadline for submission and receipt of bids. A Consultant that withdraws its bid shall not be permitted to submit another bid, directly or indirectly, for the same contract.
- 20.4. No bid may be modified after the deadline for submission of bids. No bid may be withdrawn in the interval between the deadline for submission of bids and the expiration of the period of bid validity specified by the Consultant on the Financial Bid Form. Withdrawal of a bid during this interval shall result in the forfeiture of the Consultant's bid security, pursuant to ITB Clause 15.5, and the imposition of administrative, civil, and criminal sanctions as prescribed by R.A. 9184 and its IRR.

## **E. Evaluation and Comparison of Bids**

### **21. Opening and Preliminary Examination of Bids**

- 21.1 Only bids from short listed bidders shall be opened and considered for award of contract. These short listed bidders, whether single entities or JVs, should confirm in their Technical Proposal Submission Form that the information contained in the submitted eligibility documents remains correct as of the date of bid submission.
- 21.2 The BAC shall open the bids immediately after the deadline for the submission and receipt of bids in public, as specified in the **BDS**. In case the bids cannot be opened as scheduled due to justifiable reasons, the BAC shall take custody of the bids submitted and reschedule the opening on the next working day or at the soonest possible time through the issuance of a Bulletin to be posted at the PhilGEPS website and the website of the Procuring Entity concerned.
- 21.3 To determine each bidder's compliance with the documents prescribed in ITB Clause 10, the BAC shall open the first envelope (Technical Proposal) and check the submitted documents of each bidder in accordance with ITB Clause 10.2 to ascertain if they are all present, using a non-discretionary "pass/fail" criterion. If a bidder submits the required document, it shall be rated "passed" for that particular requirement. In this regard, bids that fail to include any requirement or are incomplete or patently insufficient shall be considered as "failed". Otherwise, the BAC shall rate the said first bid envelope as "passed".
- 21.4 Letters of withdrawal shall be read out and recorded during bid opening, and the envelope containing the corresponding withdrawn bid shall be returned to the Consultant unopened
- 21.5 All members of the BAC who are present during bid opening shall initial every page of the original copies of all bids received and opened.
- 21.6 All technical envelopes shall be resealed. Those rated "passed" shall be secured for the detailed technical bid evaluation, while those rated "failed" will be secured for purposes of possible filing of a request for reconsideration unless the bidder waives its right to file a request for reconsideration, in which case, the envelope shall be returned to the bidder immediately. .
- 21.7 The Procuring Entity shall prepare the minutes of the proceedings of the bid opening that shall include, as a minimum: (a) names of Bidders, their bid price (per lot, if applicable, and/or including discount, if any), bid security, findings of preliminary examination,

and whether there is a withdrawal or modification; and (b) attendance sheet. The BAC members shall sign the abstract of bids as read.

## **22. Process to be Confidential**

- 22.1 Members of the BAC, including its staff and personnel, as well as its Secretariat and TWG, are prohibited from making or accepting any kind of communication with any Consultant regarding the evaluation of their bids until the approval by the HoPE of the ranking of shortlisted Consultants, unless otherwise allowed in the **BDS** or in the case of ITB Clause 23.
- 22.2 Any effort by a bidder to influence the Procuring Entity in the Procuring Entity's decision in respect of bid evaluation, bid comparison or contract award will result in the rejection of the Consultant's bid.

## **23. Clarification of Bids**

To assist in the evaluation, comparison and post-qualification of the bids, the Procuring Entity may ask in writing any Consultant for a clarification of its bid. All responses to requests for clarification shall be in writing. Any clarification submitted by a Consultant in respect to its bid and that is not in response to a request by the Procuring Entity shall not be considered.

## **24. Bid Evaluation**

- 24.1 For the evaluation of bids, numerical ratings shall be used. In order to eliminate bias in evaluating the Bids, it is recommended that the highest and lowest scores for each Consultant for each criterion shall not be considered in determining the average scores of the Consultants, except when the evaluation is conducted in a collegial manner.
- 24.2 For complex or unique undertakings, such as those involving new concepts/technology or financial advisory services, participating short listed consultants may be required, at the option of the Procuring Entity concerned, to make an oral presentation to be presented by each Consultant, or its nominated Project Manager or head, in case of consulting firms, within fifteen (15) calendar days after the deadline for submission of Technical Proposals.
- 24.3 The entire evaluation process, including the submission of the results thereof to the HoPE for approval, shall be completed in not more than twenty-one (21) calendar days after the deadline for receipt of bids. The bid with the highest rank shall be identified as the Highest Rated Bid. The HoPE shall approve or disapprove the recommendations of the BAC within two (2) calendar days after receipt of the results of the evaluation from the BAC.

- 24.4 All participating short listed consultants shall be furnished the results (ranking and total scores only) of the evaluation after the approval by the Head of the Procuring Entity of the ranking. Said results shall also be posted in the PhilGEPS and the website of the Procuring Entity, if available, for a period of not less than seven (7) calendar days.

## **25. Opening and Evaluation of Technical Proposals**

- 25.1 The Procuring Entity shall conduct a detailed evaluation of bids following the procedures specified in the **BDS** depending on the evaluation procedure identified in the Request for Expression of Interest and ITB Clause 1.1.
- 25.2 The BAC evaluates the Technical Proposals on the basis of their compliance with the requirements under ITB Clause 0 and responsiveness to the TOR using the following criteria:
- (a) Quality of personnel to be assigned to the Project which covers suitability of key staff to perform the duties for the Project and general qualifications and competence including education and training of the key staff;
  - (b) Experience and capability of the CONSULTANT which include records of previous engagement and quality of performance in similar and in other projects; relationship with previous and current clients; and, overall work commitments, geographical distribution of current/impending projects and attention to be given by the consultant. The suitability of the CONSULTANT to the Project shall consider both the overall experiences of the firm and the individual experiences of the principal and key staff including the times when employed by other consultants; and
  - (c) Plan of approach and methodology with emphasis on the clarity, feasibility, innovativeness and comprehensiveness of the plan approach, and the quality of interpretation of project problems, risks, and suggested solutions.
- 25.3 The BAC shall assign numerical weights and the minimum required technical score to each of the above criteria which shall be indicated in the **BDS**. A Bid shall be rejected at this stage if it does not respond to important aspects of the TOR or if it fails to achieve the minimum Technical Score (St) indicated in the **BDS**.
- 25.4 Technical Proposals shall not be considered for evaluation in any of the following cases:
- (a) late submission, *i.e.*, after the deadline set in the ITB Clause 18;

- (b) failure to submit any of the technical requirements provided under this ITB and TOR;
- (c) the Consultant that submitted a Bid or any of its partner and/or subcontractor belongs to one of the conflict of interest cases as described in ITB Clauses (a) to (b) and failed to make a proper statement to that effect in the cover letter; or
- (d) the Technical Proposal included any cost of the services.

## **26. Opening and Evaluation of Financial Proposals**

- 26.1 Financial Proposals shall be opened on the date indicated in the BDS.
- 26.2 The Financial Proposals opened shall be evaluated based on the evaluation procedure indicated in ITB Clause 1.1 using the corresponding procedure provided in the BDS.

## **27. Negotiations**

- 27.1 Negotiations with the Consultant that submitted the Highest Rated Bid shall be held at the address indicated in the BDS. The aim is to reach agreement on all points.
- 27.2 Negotiations shall cover the following:
  - (a) Discussion and clarification of the TOR and Scope of Services;
  - (b) Discussion and finalization of the methodology and work program proposed by the Consultant;
  - (c) Consideration of appropriateness of qualifications and pertinent compensation, number of man-months and the personnel to be assigned to the job, taking note of over-qualified personnel to be commensurate with the compensation of personnel with the appropriate qualifications, number of man-months and schedule of activities (manning schedule);
  - (d) Discussion on the services, facilities and data, if any, to be provided by Procuring Entity concerned;
  - (e) Unless otherwise indicated in the BDS, discussion on the Financial Proposal submitted by the Consultant; and
  - (f) Provisions of the contract.
- 27.3 Having selected the Consultant on the basis of, among other things, an evaluation of the proposed key professional staff, the Procuring Entity expects to negotiate a contract on the basis of the experts named in the bid. Before contract negotiations, the Procuring Entity shall require assurances that the experts shall be actually available. The Procuring Entity shall not consider substitutions during contract negotiations



except for justifiable reason as may be determined by the Procuring Entity, such as illness, death, or resignation, unless both parties agree that undue delay in the selection process makes such substitution unavoidable or that such changes are critical to meet the objectives of the Project. If this is not the case and if it is established that key staff were offered in the bid without confirming their availability, the Consultant may be disqualified. Once the contract has been awarded, no replacement shall be allowed until after fifty percent (50%) of the personnel's man-months have been served, except for justifiable reasons as may be determined by the Procuring Entity. Violators shall be fined an amount equal to the refund of the replaced personnel's basic rate, which should be at least fifty percent (50%) of the total basic rate for the duration of the engagement.

- 27.4 Negotiations shall include a discussion of the technical proposal, the proposed methodology (work plan), staffing and any suggestions made by the Consultant to improve the TOR. The Procuring Entity and Consultant shall then work out the final TOR, staffing, and bar charts indicating activities, staff, periods in the field and in the home office, staff-months, logistics, and reporting. The agreed work plan and final TOR shall then be incorporated in Appendix I and form part of the contract. Special attention shall be paid to getting the most the Consultant can offer within the available budget and to clearly defining the inputs required from the Procuring Entity to ensure satisfactory implementation of the Project.
- 27.5 The financial negotiations shall include a clarification of the Consultant's tax liability in the Philippines, if any, and the manner in which it shall be reflected in the contract; and shall reflect the agreed technical modifications in the cost of the services. The negotiations shall conclude with a review of the draft form of the contract. To complete negotiations, the Procuring Entity and the Consultant shall initial the agreed contract. If negotiations fail, the Procuring Entity shall invite the Consultant whose Bid received the second highest score to negotiate a contract. If negotiations still fail, the Procuring Entity shall repeat the process for the next-in-rank Consultant until the negotiation is successfully completed.

## **28. Post Qualification**

- 28.1 The BAC shall determine to its satisfaction whether the Consultant that is evaluated as having submitted the Highest Rated Bid (HRB) complies with and is responsive to all the requirements and conditions specified in the Eligibility Documents and ITB Clauses 0 and 10.2(a).
- 28.2 Within a non-extendible period of five (5) calendar days from receipt by the Consultant of the notice from the BAC that it submitted the Highest Rated Bid, the Consultant shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (EFPS) and other appropriate licenses and permits required by law and stated in the BDS.

Failure to submit any of the post-qualification requirements on time, or a finding against the veracity thereof, shall disqualify the bidder for award. Provided, in the event that a finding against the veracity of any of the documents submitted is made, it shall cause the forfeiture of the bid security in accordance with Section 69 of the IRR of RA 9184.

- 28.3 The determination shall be based upon an examination of the documentary evidence of the Consultant's qualifications submitted pursuant to ITB Clauses 0 and 10.2(a), as well as other information as the Procuring Entity deems necessary and appropriate, using a non-discretionary "pass/fail" criterion, which shall be completed within a period of twelve (12) calendar days.
- 28.4 If the BAC determines that the Consultant with the Highest Rated Bid passes all the criteria for post-qualification, it shall declare the said bid as the Consultant with the HRRB, and recommend to the HoPE the award of contract to the said Consultant at its submitted price or its calculated bid price, whichever is lower, subject to ITB Clause 30.3.
- 28.5 A negative determination shall result in rejection of the Consultant's bid, in which event the BAC shall proceed to the next Highest Rated Bid with a fresh period to make a similar determination of that Consultant's capabilities to perform satisfactorily. If the second Consultant, however, fails the post qualification, the procedure for post qualification shall be repeated for the Consultant with the next Highest Rated Bid, and so on until the HRRB is determined for recommendation of contract award.
- 28.6 Within a period not exceeding fifteen (15) calendar days from the determination by the BAC of the HRRB and the recommendation to award the contract, the HoPE or his duly authorized representative shall approve or disapprove the said recommendation.
- 28.7 In the event of disapproval, which shall be based on valid, reasonable, and justifiable grounds as provided for under Section 41 of the IRR of RA 9184, the HoPE shall notify the BAC and the Consultant in writing of such decision and the grounds for it. When applicable, the BAC shall conduct negotiations, and if successful, post-qualification of the Consultant with the next Highest Rated Bid. A request for reconsideration may be filed by the bidder with the HoPE in accordance with Section 37.1.3 of the IRR of RA 9184.

## **29. Reservation Clause**

- 29.1 Notwithstanding the eligibility, short listing, or post-qualification of a Consultant, the Procuring Entity concerned reserves the right to review its qualifications at any stage of the procurement process if it has reasonable grounds to believe that a misrepresentation has been made by the said Consultant, or that there has been a change in the Consultant's capability to undertake this Project from the time it submitted its eligibility requirements. Should such review uncover any

misrepresentation made in the eligibility and bidding requirements, statements or documents, or any changes in the situation of the Consultant which will affect its capability to undertake the project so that it fails the preset eligibility or bid evaluation criteria, the Procuring Entity shall consider the said Consultant as ineligible and shall disqualify it from submitting a bid or from obtaining an award or contract.

29.2 Based on the following grounds, the Procuring Entity reserves the right to reject any and all bids, declare a failure of bidding at any time prior to the contract award, or not to award the contract, without thereby incurring any liability, and make no assurance that a contract shall be entered into as a result of the bidding:

- (a) if there is prima facie evidence of collusion between appropriate public officers or employees of the Procuring Entity, or between the BAC and any of the bidders, or if the collusion is between or among the bidders themselves, or between a bidder and a third party, including any act which restricts, suppresses or nullifies or tends to restrict, suppress or nullify competition;
- (b) if the Procuring Entity's BAC is found to have failed in following the prescribed bidding procedures; or
- (c) for any justifiable and reasonable ground where the award of the contract will not redound to the benefit of the GOP as follows:
  - (i) If the physical and economic conditions have significantly changed so as to render the project no longer economically, financially or technically feasible as determined by the head of the procuring entity;
  - (ii) If the project is no longer necessary as determined by the Head of the Procuring Entity; and
  - (iii) If the source of funds for the project has been withheld or reduced through no fault of the Procuring Entity.

29.3 In addition, the Procuring Entity may likewise declare a failure of bidding when:

- (a) No bids are received;
- (b) All prospective bidders are declared ineligible;
- (c) All bids fail to comply with all the bid requirements or fail post-qualification; or
- (d) The bidder with the HRRB refuses, without justifiable cause to accept the award of contract, and no award is made.

## **F. Award of Contract**

### **30. Contract Award**

- 30.1 Subject to **ITB** Clause 28, the HoPE or its authorized representatives shall award the contract to the Bidder whose bid has been determined to be the HRRB.
- 30.2 Prior to the expiration of the period of bid validity, the Procuring Entity shall notify the successful Consultant in writing that its bid has been accepted, through a Notice of Award received personally or sent by registered mail or electronically, receipt of which must be confirmed in writing within two (2) days by the Consultant with the HRRB and submitted personally or sent by registered mail or electronically to the Procuring Entity.
- 30.3 Notwithstanding the issuance of the Notice of Award, award of contract shall be subject to the following conditions:
  - (a) Submission of the following documents within the (10) calendar days from receipt of the Notice of Award:
    - (i) Valid JVA, if applicable;
    - (ii) SEC Certificate of Registration of the foreign consulting firm, and/or the authorization or license issued by the appropriate GoP professional regulatory body of the foreign professionals engaging in the practice of regulated professions and allied professions, where applicable.
  - (b) Posting of the performance security in accordance with **ITB** Clause 32;
  - (c) Signing of the contract as provided in **ITB** Clause 311; and
  - (d) Approval by higher authority, if required, as provided in Section 37.3 of the IRR of RA 9184.

### **31. Signing of the Contract**

- 31.1 At the same time as the Procuring Entity notifies the successful Bidder that its bid has been accepted, the Procuring Entity shall send the Contract Form to the Bidder, which contract has been provided in the Bidding Documents, incorporating therein all agreements between the parties.

- 31.2 Within ten (10) calendar days from receipt of the Notice of Award, the successful Bidder shall post the required performance security and sign and date the contract and return it to the Procuring Entity.
- 31.3 The Procuring Entity shall enter into contract with the successful Bidder within the same ten (10) calendar day period provided that all the documentary requirements are complied with.
- 31.4 The following documents shall form part of the contract:
- (a) Contract Agreement;
  - (b) Bidding Documents;
  - (c) Winning bidder's bid, including the Technical and Financial Proposals, and all other documents/statements submitted (e.g., bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation;
  - (d) Performance Security;
  - (e) Notice of Award of Contract; and
  - (f) Other contract documents that may be required by existing laws and/or specified in the BDS.

### **32. Performance Security**

- 32.1 Unless otherwise provided in the BDS, to guarantee the faithful performance by the winning Consultant of its obligations under the contract, it shall post a performance security within a maximum period of ten (10) calendar days from the receipt of the Notice of Award from the Procuring Entity and in no case later than the signing of the contract.
- 32.2 The performance security shall be denominated in Philippine Pesos and posted in favor of the Procuring Entity in an amount not less than the percentage of the total contract price in accordance with the following schedule:

Form of Performance Security	Amount of Performance Security (Not less than the Percentage of the Total Contract Price)
(a) Cash or cashier's/manager's check issued by a Universal or Commercial Bank.  <i>For biddings conducted by the LGUs, the Cashier's/Manager's</i>	Five percent (5%)

<p><i>Check may be issued by other banks certified by the BSP as authorized to issue such financial instrument.</i></p>	
<p>(b) Bank draft/guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank: Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank.</p> <p><i>For biddings conducted by the LGUs, the Bank Draft/Guarantee or Irrevocable Letter of Credit may be issued by other banks certified by the BSP as authorized to issue such financial instrument.</i></p>	
<p>(c) Surety bond callable upon demand issued by a surety or insurance company duly certified by the Insurance Commission as authorized to issue such security; and/or</p>	<p>Thirty percent (30%)</p>

- 32.3 Failure of the successful Consultant to comply with the above-mentioned requirement shall constitute sufficient ground for the annulment of the award and forfeiture of the bid security, in which event the Procuring Entity shall have a fresh period to initiate negotiation and if successful, complete post-qualification of the second Highest Rated Bid. The procedure shall be repeated until the HRRB is identified and selected for recommendation of contract award. However if no Consultant had a successful negotiation or passed post-qualification, the BAC shall declare the bidding a failure and conduct a re-bidding with re-advertisement, if necessary.

### 33. Notice to Proceed

- 33.1 Within seven (7) calendar days from the date of approval of the contract by the appropriate government approving authority, the Procuring Entity shall issue the Notice to Proceed together with copies of the approved contract to the successful Consultant. All notices called for by the terms of the contract shall be effective only at the time of receipt thereof by the successful Consultant.

33.2 The contract effectivity date shall be the date of contract signing. The Consultant shall commence performance of its obligations only upon receipt of the Notice to Proceed.

**34. Protest Mechanism**

Decision of the Procuring Entity at any stage of the procurement process may be questioned in accordance with Section 55 of the IRR of RA 9184.

### ***Section III. BID DATA SHEET***



### ***Section III. Bid Data Sheet***

ITB Clause	
1.1	<p>The Procuring Entity is PHILIPPINE PORTS AUTHORITY (PPA)</p> <p>The evaluation procedure is:</p> <p>Quality Cost Based Evaluation (QCBE)</p> <p>QCBE – Technical and Financial Scores are combined to determine the winner. ABC is stated and Financial Proposal above this amount is rejected.</p>
1.2	<p>The Funding Source is:</p> <p>PPA's Corporate Budget for CY 2019.</p> <p>The name of the project is <b>PROCUREMENT OF TECHNICAL SERVICES FOR THE CONDUCT OF SOIL INVESTIGATION AT SELECTED PORTS (PACKAGE 10) (HO-BAC-EP-CON 001-2019).</b></p>
1.3	Soil Investigation.
1.4	The Project shall not be phased.
5	No further instructions.
6.1	Subcontracting is not allowed.
6.2	Not applicable.
7	<p>The Procuring Entity will hold a pre-bid conference for this Project on:</p> <p>Date: _____</p> <p>Time: _____</p> <p>Place: _____</p>
8.1	<p>The Procuring Entity's address is:</p> <p><b>Philippine Ports Authority</b>  <b>PPA Bldg., A. Bonifacio Drive, South Harbor, Port Area</b>  <b>Manila</b>  <b>MARK JON S. PALOMAR</b>  <b>Chairperson, HO-BAC-EP-CON</b>          Tel. Nos. 954-8800 loc. 322          E-mail Address: mjspalomar@ppa.com.ph</p>

10.1(b)	Not applicable
10.1(c)	The minimum required experience of proposed professional staff is as follows:  Five (5) years prior to the submission and receipt of Bids.
11.5	Taxes: 1. Income Tax ..... 2. Business Tax .....
11.7	The ABC is ₱ 33,194,196.54. Any bid with a financial component exceeding this amount shall not be accepted.
13.1	The bid prices shall be quoted in Philippine Pesos.
13.3	No further instructions.
14.1	Bids will be valid until 120 calendar days from the date of the opening of bids.
15.1	The bid security shall be limited to a Bid Securing Declaration or any of the following forms and amounts:  1. The amount of not less than ₱663,883.93[2% of ABC], if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or  2. The amount of not less than ₱1,659,709.83[5% of ABC], if bid security is in Surety Bond.
15.2	The bid security shall be valid until 120 calendar days from date of the opening bids.
15.5(b)(iii)	No further instructions.
17.1	No further instructions.
17.3	Each Bidder shall submit One (1) original and Six (6) copies of the first and second components of its bid, properly book-bound/hard-bound with hard cover & corresponding index tab.  Failure to comply with the requirements shall be a ground for disqualification.

18	<p>The address for submission of bids is</p> <p><b>BAC OFFICE</b>  5<sup>th</sup> Floor, PPA Bldg., A. Bonifacio Drive, South Harbor,  Port Area, Manila</p> <p>The deadline for submission of bids is : _____</p>
21.2	<p>The address for opening of bids is</p> <p><b>BAC OFFICE</b>  5<sup>th</sup> Floor, PPA Bldg., A. Bonifacio Drive, South Harbor,  Port Area, Manila</p> <p>The date and time for opening of bids is : _____</p>
22.1	No further instructions.
25.1	<p>The following processes for the opening and evaluation of bids shall be adopted:</p> <ul style="list-style-type: none"> <li>a) The technical proposal together with the financial proposal shall be considered in the ranking of consultants. The technical proposals shall be evaluated first using the criteria in <b>ITB Clause 25.2</b>. The financial proposals of the consultants who meet the minimum technical score shall then be opened.</li> <li>b) The financial and technical proposals shall be given corresponding weights with the financial proposal given a minimum weight of fifteen percent (15%) up to a maximum of forty percent (40%). The weight of the technical criteria shall be adjusted accordingly such that their total weight in percent together with the weight given to the financial proposal shall add to one hundred percent (100%). The BAC shall rank the consultants in descending order based on the combined numerical ratings of their technical and financial proposals and identify the Highest Rated Bid.</li> <li>c) The HoPE shall approve or disapprove the recommendations of the BAC within two (2) calendar days after receipt of the results of the evaluation from the BAC.</li> <li>d) After approval by the HoPE of the Highest Rated Bid, the BAC shall, within three (3) calendar days, notify and invite the consultant with the Highest Rated Bid for negotiation in accordance with <b>ITB Clause 27</b>.</li> </ul>
25.3	<p>The numerical weight and the minimum required St for each criterion are as follows:</p> <p>For Technical : 80%</p>

	<p>For Financial : 20%</p> <p>The minimum St required to pass is 70%.</p> <p>The attention of the Consultant is drawn to Technical Proposal Forms – Bids must adhere to the maximum number of pages outlined in Clause 10.2(b).</p>
26.1	<p>The opening of Financial Proposals shall be on:</p> <p>Date : _____</p> <p>Time : _____</p> <p>Venue : _____</p> <p>Financial Proposals shall be opened in public.</p>
26.2	<p>After the evaluation of quality is completed, the Procuring Entity shall notify those Consultants whose Bids did not meet the minimum qualifying mark or were considered non-responsive to the Bidding Documents and TOR, indicating that their Financial Proposals shall be returned unopened after completing the selection process. The Procuring Entity shall simultaneously notify the Consultants that have secured the minimum qualifying mark, indicating the date and time set for opening the Financial Proposals. The opening date shall not be sooner than two weeks after the notification date unless otherwise specified in ITB Clause 26.1. The notification may be sent by registered letter, facsimile, or electronic mail.</p> <p>The Financial Proposals shall be opened publicly in the presence of the Consultants' representatives who choose to attend. The name of the Consultant, the quality scores, and the proposed prices shall be read aloud and recorded when the Financial Proposals are opened. The Procuring Entity shall prepare minutes of the public opening.</p> <p>The BAC shall determine whether the Financial Proposals are complete, <i>i.e.</i>, whether all the documents mentioned in ITB Clause 11 are present and all items of the corresponding Technical Proposals that are required to be priced are so priced. If not, the Procuring Entity shall reject the proposal. The BAC shall correct any computational errors, and convert prices in various currencies to the Philippine Peso at the rate indicated in ITB Clause 13. The Financial Proposal shall not exceed the ABC and shall be deemed to include the cost of all taxes, duties, fees, levies, and other charges imposed under the applicable laws. The evaluation shall include all such taxes, duties, fees, levies, and other charges imposed under the applicable laws; where special tax privileges are granted to a particular class or nationality of Consultant by virtue of the GoP's international commitments, the amount of such tax privileges shall be included in the Financial Proposal for purposes of comparative evaluation of Bids.</p> <p>The lowest Financial Proposal (F1) shall be given a Financial Score (Sf) of 100 points. The Sf of other Financial Proposals shall be computed based</p>

	<p>on the formula indicated below:</p> $S_f = 100 \times F_l / F$ <p>Where:</p> <p><math>S_f</math> is the financial score of the Financial Proposal under consideration,</p> <p><math>F_l</math> is the lowest Financial Proposal, and</p> <p><math>F</math> is the Financial Proposal under consideration.</p> <p>Using the formula <math>S = S_t \times T\% + S_f \times F\%</math>, the Bids shall then be ranked according to their combined <math>S_t</math> and <math>S_f</math> using the weights (<math>S_t</math> is the technical score of the Technical Proposal under consideration; <math>T</math> = the weight given to the Technical Proposal; <math>F</math> = the weight given to the Financial Proposal; <math>T + F = 1</math>) indicated below:</p> <p><math>T</math> _____ [From 0.6 and 0.85]; and</p> <p><math>P</math> _____ [From 0.15 and 0.4];</p> <p>provided that the total weights given to the Technical and Financial Proposals shall add up to 1.0.</p>
27.1	<p>The address for negotiations is :</p> <p><b>Philippine Ports Authority, PPA Bldg., A. Bonifacio Drive, South Harbor, Port Area Manila</b></p>
27.2(e)	No negotiations pertaining to the Financial Proposal shall be undertaken.
28.2	No additional requirement.
31.4.6	No additional requirement.
32.1	No further instructions.
33.2	The effective date of the contract is: _____

***Section IV. GENERAL CONDITIONS  
OF CONTRACT***

## 1. Definitions

- 1.1. Unless the context otherwise requires, the following terms whenever used in this Contract have the following meanings:
- (a) “Applicable Law” means the laws and any other instruments having the force of law in the Philippines as they may be issued and enforced from time to time.
  - (b) “Consultant” refers to the short listed consultant with the Highest Rated and Responsive Bid determined by the Procuring Entity as such in accordance with the ITB.
  - (c) “Consulting Services” refer to services for Infrastructure Projects and other types of projects or activities of the Government of the Philippines (GOP) requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the Procuring Entity to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies.
  - (d) “Contract” means the agreement signed by the Parties, to which these General Conditions of Contract (GCC) and other sections of the Bidding Documents are attached.
  - (e) “Effective Date” means the date on which this Contract comes into full force and effect.
  - (f) “Foreign Currency” means any currency other than the currency of the Philippines.
  - (g) “Funding Source” means the entity indicated in the SCC.
  - (h) “GCC” means these General Conditions of Contract.
  - (i) “Government” means the Government of the Philippines (GOP).
  - (j) “Local Currency” means the Philippine Peso (Php).
  - (k) “Member,” in case the Consultant is a Joint Venture (JV) of two (2) or more entities, means any of these entities; and “Members” means all these entities.
  - (l) “Party” means the Procuring Entity or the Consultant, as the case may be, and “Parties” means both of them.
  - (m) “Personnel” means persons hired by the Consultant or by any Sub-Consultant as employees and assigned to the performance of the Services or any part thereof; “Foreign Personnel” means

such persons who at the time of being so hired had their domicile outside the Government's country; "Local Personnel" means such persons who at the time of being so hired had their domicile inside the Philippines; and "Key Personnel" means the Personnel referred to in GCC Clause 39.

- (n) "Procuring Entity" refers to any branch, constitutional commission or office, agency, department, bureau, office or instrumentality of the Government, including GOCC, GFI, SUC, and LGU procuring Goods, Consulting Services, and Infrastructure Projects.
- (o) "SCC" means the Special Conditions of Contract by which the GCC may be amended or supplemented.
- (p) "Services" means the work to be performed by the Consultant pursuant to this Contract, as described in Appendix I.
- (q) "Sub-consultant" means any person or entity to whom/which the Consultant subcontracts any part of the Services in accordance with the provisions of GCC Clause 50.
- (r) "Third Party" means any person or entity other than the Government, the Procuring Entity, the Consultant or a Sub-Consultant.

## **2. Headings**

The headings shall not limit, alter or affect the meaning of this Contract.

## **3. Location**

The Services shall be performed at such locations as are specified in Appendix I and, where the location of a particular task is not so specified, at such locations, whether in the Philippines or elsewhere, as the Procuring Entity may approve.

## **4. Law Governing Contract and Services**

- 4.1. This Contract, its meaning and interpretation, and the relation between the Parties shall be governed by the Applicable Law.
- 4.2. The Consultant shall perform the Services in accordance with the Applicable Law and shall take all practicable steps to ensure that any Sub-Consultant, as well as the Personnel of the Consultant and any Sub-Consultant, complies with the Applicable Law. The Procuring Entity shall notify the Consultant in writing of relevant local customs, and the Consultant shall, after such notification, respect such customs.
- 4.3. If, after the date of this Contract, there is any change in the Applicable Law with respect to taxes and duties which increases or decreases the



cost incurred by the Consultant in performing the Services, then the remuneration and reimbursable expenses otherwise payable to the Consultant under this Contract shall be increased or decreased on a no loss-no gain basis, and corresponding adjustments shall be made to the ceiling amounts specified in GCC Clause 52, provided that the cost is within the Approved Budget for the Contract (ABC).

## **5. Language**

This Contract has been executed in the English language, which shall be the binding and controlling language for all matters relating to the meaning or interpretation of this Contract.

## **6. Consultants and Affiliates Not to Engage in Certain Activities**

- 6.1. The Consultant agrees that, during the term of this Contract and after its termination, the Consultant and any entity affiliated with the Consultant, as well as any Sub-Consultant and any entity affiliated with such Sub-Consultant, shall be disqualified from providing goods, works, or consulting services for any project resulting from or closely related to this Contract other than the Services and any continuation thereof provided there is no current or future conflict.
- 6.2. The Consultant shall not engage, and shall cause their Personnel as well as their Sub-Consultants and their Personnel not to engage, either directly or indirectly, in any of the following activities:
  - (a) during the term of this Contract, any business or professional activities in the Government's country which would conflict with the activities assigned to them under this Contract; and
  - (b) after the termination of this Contract, such other activities as may be specified in the SCC.

## **7. Authority of Member in Charge**

In case the Consultant is a JV, the Members hereby authorize the entity specified in the SCC to act on their behalf in exercising all the Consultant's rights and obligations towards the Procuring Entity under this Contract, including without limitation the receiving of instructions and payments from the Procuring Entity.

## **8. Resident Project Manager**

If required by the SCC, the Consultant shall ensure that at all times during the Consultant's performance of the Services in the Government's country, a resident project manager, acceptable to the Procuring Entity, shall take charge of the performance of such Services.

## **9. Entire Agreement**

This Contract, including the documents specified in Section 37.2.3 of the IRR, contains all covenants, stipulations and provisions agreed by the Parties. No agent or representative of either Party has authority to make any statement, representation, promise, or agreement not set forth herein of which the Parties shall not be bound by or be liable for.

## **10. Modification**

Unless otherwise specified in the SCC, no modification of the terms and conditions of this Contract, including any modification of the scope of the Services shall be allowed. Pursuant to GCC Clause 14 hereof, however, each Party shall give due consideration to any proposal for modification made by the other Party.

## **11. Relationship of Parties**

11.1. Nothing contained herein shall be construed as establishing a relation of employer and employee or of principal and agent as between the Procuring Entity and the Consultant. The Consultant, subject to this Contract, has complete charge of its Personnel and Sub-Consultants, if any, performing the Services and shall be fully responsible for the Services performed by them or on their behalf hereunder.

11.2. The Consultant shall during the performance of the Services be an independent contractor, retaining complete control over its Personnel, conforming to all statutory requirements with respect to all its employees, and providing all appropriate employee benefits.

## **12. Authorized Representatives**

Any action required or permitted to be taken, and any document required or permitted to be executed, under this Contract by the Procuring Entity or the Consultant may be taken or executed by the officials specified in the SCC.

## **13. Good Faith**

The Parties undertake to act in good faith with respect to each other's rights under this Contract and to adopt all reasonable measures to ensure the realization of the objectives of this Contract.

## **14. Operation of the Contract**

The Parties recognize that it is impractical for this Contract to provide for every contingency which may arise during the life of this Contract, and the Parties hereby agree that it is their intention that this Contract shall operate fairly as between them, and without detriment to the interest of either of them; and that, if during the term of this Contract either Party believes that this Contract is operating unfairly, the Parties shall use their best efforts to agree on such action as may be necessary to remove the cause or causes of such

unfairness, but no failure to agree on any action pursuant to this Clause shall give rise to a dispute subject to arbitration in accordance with GCC Clause 34 hereof.

## **15. Notices**

- 15.1. Any notice, request or consent required or permitted to be given or made pursuant to this Contract shall be in writing. Any such notice, request or consent shall be deemed to have been given or made when received by the concerned party, either in person or through an authorized representative of the Party to whom the communication is addressed, or when sent by registered mail, telex, telegram or facsimile to such Party at the address specified in the SCC.
- 15.2. Notice shall be deemed to be effective as specified in the SCC.
- 15.3. A Party may change its address for notice hereunder by giving the other Party notice of such change pursuant to the provisions listed in the SCC with respect to GCC Clause 15.2.

## **16. Warranty as to Eligibility**

- 16.1. The Consultant represents, warrants, and confirms that it, as well as its Sub-Consultant, if any, is eligible, *i.e.*, has the legal personality to act as a consultant in accordance with Part I, Section II. Eligibility Documents issued for this project.
- 16.2. The Consultant shall fulfill its obligations under this Contract by using knowledge according to the best accepted professional standards. The Consultant shall exercise all reasonable skill, care and diligence in the discharge of duties agreed to be performed and shall work in the best interest of the GOP.

## **17. Confidentiality**

Except with the prior written consent of the Procuring Entity, the Consultant and the Personnel shall not at any time communicate to any person or entity any confidential information acquired in the course of the Services, nor shall the Consultant and the Personnel make public the recommendations formulated in the course of, or as a result of, the Services. For purposes of this clause, "confidential information" means any information or knowledge acquired by the Consultant and/or its Personnel arising out of, or in connection with, the performance of the Services under this Contract that is not otherwise available to the public.

## **18. Payment**

- 18.1. In consideration of the Services performed by the Consultant under this Contract, the Procuring Entity shall make to the Consultant such payments and in such manner as is provided by GCC Clause 52.2 of this Contract. However, the Procuring Entity may refuse to make

payments when the terms and conditions of the contract are not satisfactorily performed by the Consultant.

18.2. Subject to the ceilings specified in GCC Clause 52 hereof, the Procuring Entity shall pay to the Consultant: (i) remuneration as set forth in GCC Clause 53.2; and (ii) reimbursable expenditures as set forth in GCC Clause 53.4. Said remuneration shall not be subject to price adjustment.

18.3. All payments under this Contract shall be made to the account of the Consultant specified in the SCC.

## **19. Currency of Payment**

All payments shall be made in Philippine Pesos.

## **20. Liability of the Consultant**

Subject to additional provisions, if any, set forth in the SCC, the Consultant's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

## **21. Insurance to be Taken Out by the Consultant**

21.1. The Consultant, at its own cost, shall be responsible for taking out or maintaining any insurance policy against any risk related to the project.

21.2. The Procuring Entity undertakes no responsibility in respect of life, health, accident, travel or any other insurance coverage for the Personnel or for the dependents of any such Personnel.

## **22. Effectivity of Contract**

The contract effectivity date shall be the date of contract signing, provided that the effectiveness of the conditions, if any, listed in the SCC have been met.

## **23. Commencement of Services**

The Consultant shall begin carrying out the Services starting from the effectivity date of this Contract, as mentioned in GCC Clause 22.

## **24. Expiration of Contract**

Unless sooner terminated pursuant to GCC Clauses 27 or 28 hereof, this Contract shall terminate at the end of such time period after the effectivity date as shall be specified in the SCC.

## **25. Force Majeure**

25.1. For purposes of this Contract the terms "force majeure" and "fortuitous event" may be used interchangeably. In this regard, a fortuitous event

or force majeure shall be interpreted to mean an event which the Consultant could not have foreseen, or which though foreseen, was inevitable. It shall not include ordinary unfavorable weather conditions; and any other cause the effects of which could have been avoided with the exercise of reasonable diligence by the Consultant.

- 25.2. The failure of a Party to fulfill any of its obligations hereunder shall not be considered to be a breach of, or default under, this Contract insofar as such inability arises from an event of force majeure, provided that the Party affected by such an event has taken all reasonable precautions, due care and reasonable alternative measures, all with the objective of carrying out the terms and conditions of this Contract.
- 25.3. Unless otherwise agreed herein, force majeure shall not include:
  - (a) any event which is caused by the negligence or intentional action of a Party or such Party's Sub-Consultants or agents or employees;
  - (b) any event which a diligent Party could reasonably have been expected to both take into account at the time of the conclusion of this Contract and avoid or overcome in the carrying out of its obligations hereunder;
  - (c) insufficiency of funds or failure to make any payment required hereunder; or
  - (d) the Procuring Entity's failure to review, approve or reject the outputs of the Consultant beyond a reasonable time period.
- 25.4. A Party affected by an event of force majeure shall take all reasonable measures to remove such Party's inability to fulfill its obligations hereunder immediately or within a reasonable time.
- 25.5. A Party affected by an event of force majeure shall notify the other Party of such event as soon as possible, and in any event not later than fifteen (15) days following the occurrence of such event, providing evidence of the nature and cause of such event, and shall similarly give notice of the restoration of normal conditions as soon as possible.
- 25.6. The Parties shall take all reasonable measures to minimize the consequences of any event of force majeure.
- 25.7. Any period within which a Party shall, pursuant to this Contract, complete any action or task, shall be extended for a period equal to the time during which such Party was unable to perform such action as a direct and proximate result of force majeure.
- 25.8. During the period of their inability to perform the Services as a direct and proximate result of an event of force majeure, the Consultant shall be entitled to continue receiving payment under the terms of this

Contract as well as to be reimbursed for additional costs reasonably and necessarily incurred by it during such period for the purposes of the Services and in reactivating the Services after the end of such period, provided that such costs are still within the total contract price. However, the foregoing provision shall not apply if the Procuring Entity suspends or terminates this Contract in writing, notice thereof duly received by the Consultant, pursuant to GCC Clauses 26 and 27 hereof with the exception of the direct and proximate result of force majeure.

- 25.9. Not later than fifteen (15) days after the Consultant, as the direct and proximate result of an event of force majeure, has become unable to perform a material portion of the Services, the Parties shall consult with each other with a view to agreeing on appropriate measures considering the circumstances.
- 25.10. In the case of disagreement between the parties as to the existence, or extent of force majeure, the matter shall be submitted to arbitration in accordance with GCC Clause 34 hereof.

## **26. Suspension**

- 26.1. The Procuring Entity shall, by written notice of suspension to the Consultant, suspend all payments to the Consultant hereunder if the Consultant fail to perform any of their obligations due to their own fault or due to force majeure or other circumstances beyond the control of either party (e.g. suspension of civil works being supervised by the consultant) under this Contract, including the carrying out of the Services, provided that such notice of suspension:
  - (a) shall specify the nature of the failure; and
  - (b) shall request the Consultant to remedy such failure within a period not exceeding thirty (30) days after receipt by the Consultant of such notice of suspension.
- 26.2. The Consultant may, without prejudice to its right to terminate this Contract pursuant to GCC Clause 28, by written notice of suspension, suspend the Services if the Procuring Entity fails to perform any of its obligations which are critical to the delivery of the Consultant's services such as, non-payment of any money due the Consultant within forty-five (45) days after receiving notice from the Consultant that such payment is overdue.

## **27. Termination by the Procuring Entity**

- 27.1. The Procuring Entity shall terminate this Contract when any of the following conditions attends its implementation:
  - (a) Outside of force majeure, the Consultant fails to deliver or perform the Outputs and Deliverables within the period(s)

specified in the Contract, or within any extension thereof granted by the Procuring Entity pursuant to a request made by the Consultant prior to the delay;

- (b) As a result of force majeure, the Consultant is unable to deliver or perform a material portion of the Outputs and Deliverables for a period of not less than sixty (60) calendar days after the Consultant's receipt of the notice from the Procuring Entity stating that the circumstance of force majeure is deemed to have ceased;
- (c) In whole or in part, at any time for its convenience, the Head of the Procuring Entity may terminate the Contract for its convenience if he has determined the existence of conditions that make Project Implementation economically, financially or technically impractical and/or unnecessary, such as, but not limited to, fortuitous event(s) or changes in law and National Government policies;
- (d) If the Consultant is declared bankrupt or insolvent as determined with finality by a court of competent jurisdiction; in which event, termination will be without compensation to the Consultant, provided that such termination will not prejudice or affect any right of action or remedy which has accrued or will accrue thereafter to the Procuring Entity and/or the Consultant;
- (e) In case it is determined prima facie that the Consultant has engaged, before or during the implementation of this Contract, in unlawful deeds and behaviors relative to contract acquisition and implementation, such as, but not limited to, the following: corrupt, fraudulent, collusive and coercive practices; drawing up or using forged documents; using adulterated materials, means or methods, or engaging in production contrary to rules of science or the trade; and any other act analogous to the foregoing. For purposes of this clause, corrupt, fraudulent, collusive, and coercive practices shall have the same meaning as that provided in ITB Clause 3.1(a):
- (f) The Consultant fails to remedy a failure in the performance of their obligations hereunder, as specified in a notice of suspension pursuant to GCC Clause 15.2 hereinabove, within thirty (30) days of receipt of such notice of suspension or within such further period as the Procuring Entity may have subsequently approved in writing;
- (g) The Consultant's failure to comply with any final decision reached as a result of arbitration proceedings pursuant to GCC Clause 34 hereof; or
- (h) The Consultant fails to perform any other obligation under the Contract.

- 27.2. In case of termination, written notice shall be understood to mean fifteen (15) days for short term contracts, *i.e.*, four (4) months or less, and thirty (30) days for long term contracts.

## **28. Termination by the Consultant**

The Consultant must serve a written notice to the Procuring Entity of its intention to terminate this Contract at least thirty (30) calendar days before its intended termination. This Contract is deemed terminated if no action has been taken by the Procuring Entity with regard to such written notice within thirty (30) calendar days after the receipt thereof by the Procuring Entity. The Consultant may terminate this Contract through any of the following events:

- (a) The Procuring Entity is in material breach of its obligations pursuant to this Contract and has not remedied the same within sixty (60) calendar days following its receipt of the Consultant's notice specifying such breach;
- (b) The Procuring Entity's failure to comply with any final decision reached as a result of arbitration pursuant to GCC Clause 34 hereof
- (c) As the direct and proximate result of force majeure, the Consultant is unable to perform a material portion of the Services for a period of not less than sixty (60) days; or
- (d) The Procuring Entity fails to pay any money due to the Consultant pursuant to this Contract and not subject to dispute pursuant to GCC Clause 32 hereof within eighty four (84) days after receiving written notice from the Consultant that such payment is overdue.

## **29. Procedures for Termination of Contracts**

The following provisions shall govern the procedures for the termination of this Contract:

- (a) Upon receipt of a written report of acts or causes which may constitute ground(s) for termination as aforementioned, or upon its own initiative, the Procuring Entity shall, within a period of seven (7) calendar days, verify the existence of such ground(s) and cause the execution of a Verified Report, with all relevant evidence attached;
- (b) Upon recommendation by the Procuring Entity, the Head of the Procuring Entity shall terminate this Contract only by a written notice to the Consultant conveying such termination. The notice shall state:
  - (i) that the contract is being terminated for any of the ground(s) afore-mentioned, and a statement of the acts that constitute the ground(s) constituting the same;
  - (ii) the extent of termination, whether in whole or in part;



- (iii) an instruction to the Consultant to show cause as to why the contract should not be terminated; and
- (iv) special instructions of the Procuring Entity, if any.

The Notice to Terminate shall be accompanied by a copy of the Verified Report;

- (c) Within a period of seven (7) calendar days from receipt of the Notice of Termination, the Consultant shall submit to the Head of the Procuring Entity a verified position paper stating why this Contract should not be terminated. If the Consultant fails to show cause after the lapse of the seven (7) day period, either by inaction or by default, the Head of the Procuring Entity shall issue an order terminating this Contract;
- (d) The Procuring Entity may, at anytime before receipt of the Consultant's verified position paper to withdraw the Notice to Terminate if it is determined that certain services subject of the notice had been completed or performed before the Consultant's receipt of the notice;
- (e) Within a non-extendible period of ten (10) calendar days from receipt of the verified position paper, the Head of the Procuring Entity shall decide whether or not to terminate this Contract. It shall serve a written notice to the Consultant of its decision and, unless otherwise provided, this Contract is deemed terminated from receipt of the Consultant of the notice of decision. The termination shall only be based on the ground(s) stated in the Notice to Terminate; and
- (f) The Head of the Procuring Entity may create a Contract Termination Review Committee (CTRC) to assist him in the discharge of this function. All decisions recommended by the CTRC shall be subject to the approval of the Head of the Procuring Entity.

### **30. Cessation of Services**

Upon termination of this Contract by notice of either Party to the other pursuant to GCC Clauses 27 or 28 hereof, the Consultant shall, immediately upon dispatch or receipt of such notice, take all necessary steps to bring the Services to a close in a prompt and orderly manner and shall make every reasonable effort to keep expenditures for this purpose to a minimum. With respect to documents prepared by the Consultant and equipment and materials furnished by the Procuring Entity, the Consultant shall proceed as provided, respectively, by GCC Clauses 35 or 36 hereof.

### **31. Payment Upon Termination**

Upon termination of this Contract pursuant to GCC Clauses 27 or 28 hereof, the Procuring Entity shall make the following payments to the Consultant:

- (a) remuneration pursuant to GCC Clause 52.2 hereof for Services satisfactorily performed prior to the effective date of termination;
- (b) reimbursable expenditures pursuant to GCC Clause 52.2 hereof for expenditures actually incurred prior to the effective date of termination; and
- (c) in the case of termination pursuant to GCC Clause 27.1(b) hereof, reimbursement of any reasonable cost incident to the prompt and orderly termination of this Contract including the cost of the return travel of the Personnel and their eligible dependents.

### **32. Disputes about Events of Termination**

If either Party disputes whether an event specified in GCC Clause 27.1 or in GCC Clause 28 hereof has occurred, such Party may refer the matter to arbitration pursuant to GCC Clause 34 hereof, and this Contract shall not be terminated on account of such event except in accordance with the terms of any resulting arbitral award.

### **33. Cessation of Rights and Obligations**

Upon termination of this Contract pursuant to GCC Clauses 27 or 28 hereof, or upon expiration of this Contract pursuant to GCC Clause 24, all rights and obligations of the Parties hereunder shall cease, except:

- (a) such rights and obligations as may have accrued on the date of termination or expiration;
- (b) the obligation of confidentiality set forth in GCC Clause 17 hereof; and
- (c) the Consultant's obligation to permit inspection, copying and auditing of their accounts and records set forth in GCC Clauses 51.1(b) and 51.1(c) hereof, any right which a Party may have under the Applicable Law.

### **34. Dispute Settlement**

- 34.1. If any dispute or difference of any kind whatsoever shall arise between the Parties in connection with the implementation of this Contract, the Parties shall make every effort to resolve amicably such dispute or difference by mutual consultation.
- 34.2. Any and all disputes arising from the implementation of this Contract shall be submitted to arbitration in accordance with the rules of procedure specified in the SCC.

### **35. Documents Prepared by the Consultant and Software Developed to be the Property of the Procuring Entity**

- 35.1. All plans, drawings, specifications, designs, reports, other documents and software prepared by the Consultant for the Procuring Entity under this Contract shall become and remain the property of the Procuring Entity, and the Consultant shall, prior to termination or expiration of this Contract, deliver all such documents to the Procuring Entity, together with a detailed inventory thereof. The Consultant may retain a copy of such documents and software. The plans, drawings, specifications, designs, reports, other documents and software, including restrictions on future use of such documents and software, if any, shall be specified in the SCC.
- 35.2. All computer programs developed by the Consultant under this Contract shall be the sole and exclusive property of the Procuring Entity; provided, however, that the Consultant may use such programs for its own use with prior written approval of the Procuring Entity. If license agreements are necessary or appropriate between the Consultant and third parties for purposes of development of any such computer programs, the Consultant shall obtain the Procuring Entity's prior written approval to such agreements. In such cases, the Procuring Entity shall be entitled at its discretion to require recovering the expenses related to the development of the program(s) concerned.

### **36. Equipment and Materials Furnished by the Procuring Entity**

Equipment and materials made available to the Consultant by the Procuring Entity, or purchased by the Consultant with funds provided by the Procuring Entity, shall be the property of the Procuring Entity and shall be marked accordingly. Upon termination or expiration of this Contract, the Consultant shall make available to the Procuring Entity an inventory of such equipment and materials and shall dispose of such equipment and materials in accordance with the Procuring Entity's instructions. While in possession of such equipment and materials, the Consultant, unless otherwise instructed by the Procuring Entity in writing, shall insure it at the expense of the Procuring Entity in an amount equal to their full replacement value.

### **37. Services, Facilities and Property of the Procuring Entity**

The Procuring Entity shall make available to the Consultant and the Personnel, for the purposes of the Services and free of any charge, the services, facilities and property described in Appendix V at the terms and in the manner specified in said appendix, provided that if such services, facilities and property shall not be made available to the Consultant as and when so specified, the Parties shall agree on:

- (a) any time extension that it may be appropriate to grant to the Consultant for the performance of the Services;

- (b) the manner in which the Consultant shall procure any such services, facilities and property from other sources; and
- (c) the additional payments, if any, to be made to the Consultant as a result thereof pursuant to GCC Clause 52 hereinafter which should be within the agreed contract ceiling.

### **38. Consultant's Actions Requiring Procuring Entity's Prior Approval**

The Consultant shall obtain the Procuring Entity's prior approval in writing before taking any of the following actions:

- (a) appointing such members of the Personnel as are listed in Appendix III merely by title but not by name;
- (b) entering into a subcontract for the performance of any part of the Services, it being understood that:
  - (i) the selection of the Sub-Consultant and the terms and conditions of the subcontract shall have been approved in writing by the Procuring Entity prior to the execution of the subcontract; and
  - (ii) the Consultant shall remain fully liable for the performance of the Services by the Sub-Consultant and its Personnel pursuant to this Contract;
- (c) replacement, during the performance of the contract for any reason, of any Personnel as listed in Appendix III of this Contract requiring the Procuring Entity's prior approval; and
- (d) any other action that may be specified in the SCC.

### **39. Personnel**

- 39.1. The Consultant shall employ and provide such qualified and experienced Personnel and Sub-Consultants as are required to carry out the Services.
- 39.2. The title, agreed job description, minimum qualification and estimated period of engagement in the carrying out of the Services of each of the Consultant's Key Personnel are described in Appendix III.
- 39.3. The Key Personnel and Sub-Consultants listed by title as well as by name in Appendix III are hereby approved by the Procuring Entity. In respect of other Key Personnel which the Consultant proposes to use in the carrying out of the Services, the Consultant shall submit to the Procuring Entity for review and approval a copy of their biographical data and, in the case of Key Personnel to be assigned within the GOP, a copy of a satisfactory medical certificate attached as part of

Appendix III. If the Procuring Entity does not object in writing; or if it objects in writing but fails to state the reasons for such objection, within twenty-one (21) calendar days from the date of receipt of such biographical data and, if applicable, such certificate, the Key Personnel concerned shall be deemed to have been approved by the Procuring Entity.

- 39.4. The Procuring Entity may request the Consultants to perform additional services not covered by the original scope of work but are determined by the Procuring Entity to be critical for the satisfactory completion of the Services, subject to GCC Clause 55.6.
- 39.5. No changes shall be made in the Key Personnel, except for justifiable reasons beyond the control of the Consultant, as indicated in the SCC, and only upon prior approval of the Procuring Entity. If it becomes justifiable and necessary to replace any of the Personnel, the Consultant shall forthwith provide as a replacement a person of equivalent or better qualifications. If the Consultant introduces changes in Key Personnel for reasons other than those mentioned in the SCC, the Consultant shall be liable for the imposition of damages as described in the SCC.
- 39.6. Any of the Personnel provided as a replacement under GCC Clauses 39.5 and 39.7, the rate of remuneration applicable to such person as well as any reimbursable expenditures the Consultant may wish to claim as a result of such replacement, shall be subject to the prior written approval by the Procuring Entity. Except as the Procuring Entity may otherwise agree, the Consultant shall bear all additional travel and other costs arising out of or incidental to any removal and/or replacement, and the remuneration to be paid for any of the Personnel provided as a replacement shall not exceed the remuneration which would have been payable to the Personnel replaced.
- 39.7. If the Procuring Entity finds that any of the Personnel has committed serious misconduct or has been charged with having committed a criminal action as defined in the Applicable Law, or has reasonable cause to be dissatisfied with the performance of any of the Personnel, then the Consultant shall, at the Procuring Entity's written request specifying the grounds therefore, forthwith provide as a replacement a person with qualifications and experience acceptable to the Procuring Entity.

#### **40. Working Hours, Overtime, Leave, etc.**

- 40.1. Working hours and holidays for Key Personnel are set forth in Appendix III. Any travel time prior to and after contract implementation shall not be considered as part of the working hours.
- 40.2. The Key Personnel shall not be entitled to claim payment for overtime work, sick leave, or vacation leave from the Procuring Entity since these items are already covered by the Consultant's remuneration. All

leaves to be allowed to the Personnel are included in the staff-months of service set forth in Appendix III. Taking of leave by any Personnel should not delay the progress and adequate supervision of the Services.

- 40.3. If required to comply with the provisions of GCC Clause 43.1 hereof, adjustments with respect to the estimated periods of engagement of Key Personnel set forth in Appendix III may be made by the Consultant by prior written notice to the Procuring Entity, provided that:
- (a) such adjustments shall not alter the originally estimated period of engagement of any individual by more than ten percent (10%); and
  - (b) the aggregate of such adjustments shall not cause payments under this Contract to exceed the ceilings set forth in GCC Clause 52.1 of this Contract. Any other such adjustments shall only be made with the Procuring Entity's prior written approval.

#### **41. Counterpart Personnel**

- 41.1. If so provided in Appendix III hereto, the Procuring Entity shall make available to the Consultant, as and when provided in such Appendix III, and free of charge, such Counterpart Personnel to be selected by the Procuring Entity, with the Consultant's advice, as shall be specified in such Appendix III. Counterpart Personnel shall work with the Consultant. If any member of the Counterpart Personnel fails to perform adequately any work assigned to such member by the Consultant which is consistent with the position occupied by such member, the Consultant may request the replacement of such member, and the Procuring Entity shall not unreasonably refuse to act upon such request.
- 41.2. The responsibilities of the Counterpart Personnel shall be specified in Appendix III, attached hereto, and the Counterpart Personnel shall not perform any work beyond the said responsibilities.
- 41.3. If Counterpart Personnel are not provided by the Procuring Entity to the Consultant as and when specified in Appendix III, and or if the Counterpart Personnel lack the necessary training, experience or authority to effectively undertake their responsibilities, the Procuring Entity and the Consultant shall agree on how the affected part of the Services shall be carried out, and the additional payments, if any, to be made by the Procuring Entity to the Consultant as a result thereof pursuant to GCC Clause 52 hereof.

#### **42. Performance Security**

- 42.1. Unless otherwise specified in the SCC, within ten (10) calendar days from receipt of the Notice of Award from the Procuring Entity but in

no case later than the signing of the contract by both parties, the Consultant shall furnish the performance security in the forms prescribed in the ITB Clause 31.2.

- 42.2. The performance security posted in favor of the Procuring Entity shall be forfeited in the event it is established that the Consultant is in default in any of its obligations under the contract.
- 42.3. The performance security shall remain valid until issuance by the Procuring Entity of the Certificate of Final Acceptance.
- 42.4. The performance security may be released by the Procuring Entity and returned to the Consultant after the issuance of the Certificate of Final Acceptance subject to the following conditions:
  - (a) There are no pending claims against the Consultant or the surety company filed by the PROCURING ENTITY;
  - (b) The Consultant has no pending claims for labor and materials filed against it; and
  - (c) Other terms specified in the SCC.
- 42.5. In case of a reduction of the contract value, the Procuring Entity shall allow a proportional reduction in the original performance security, provided that any such reduction is more than ten percent (10%) and that the aggregate of such reductions is not more than fifty percent (50%) of the original performance security.

#### **43. Standard of Performance**

- 43.1. The Consultant shall perform the Services and carry out their obligations hereunder with all due diligence, efficiency and economy, in accordance with generally accepted professional techniques and practices, and shall observe sound management practices, and employ appropriate advanced technology and safe and effective equipment, machinery, materials and methods.
- 43.2. The Consultant shall always act, in respect of any matter relating to this Contract or to the Services, as faithful advisers to the Procuring Entity, and shall at all times support and safeguard the Procuring Entity's legitimate interests in any dealings with Sub-Consultants or third parties.
- 43.3. The Consultant shall furnish to the Procuring Entity such information related to the Services as the Procuring Entity may from time to time reasonably request.
- 43.4. The Consultant shall at all times cooperate and coordinate with the Procuring Entity with respect to the carrying out of its obligations under this Contract.

**44. Consultant Not to Benefit from Commissions, Discounts, etc.**

The remuneration of the Consultant pursuant to GCC Clause 52.2 hereof shall constitute the Consultant's sole remuneration in connection with this Contract or the Services and, subject to GCC Clause 45 hereof, the Consultant shall not accept for their own benefit any trade commission, discount or similar payment in connection with activities pursuant to this Contract or to the Services or in the discharge of their obligations hereunder, and the Consultant shall use its best efforts to ensure that any Sub-Consultants, as well as the Personnel and agents of either of them, similarly shall not receive any such additional remuneration.

**45. Procurement by the Consultant**

If the Consultant, as part of the Services, has the responsibility of advising or procuring goods, works or services, for the Procuring Entity, the Consultant shall comply with any applicable procurement guidelines of the Funding Source, and shall at all times exercise such responsibility in the best interest of the Procuring Entity. Any discounts or advantages obtained by the Consultant in the exercise of such procurement responsibility shall be for the benefit of the Procuring Entity.

**46. Specifications and Designs**

46.1. The Consultant shall prepare all specifications and designs using the metric system and shall embody the best design criteria applicable to Philippine conditions. The Consultant shall specify standards which are accepted and well-known among industrial nations.

46.2. The Consultant shall ensure that the specifications and designs and all documentation relating to procurement of goods and services for this Contract are prepared on an impartial basis so as to promote national and international competitive bidding.

**47. Reports**

The Consultant shall submit to the Procuring Entity the reports, deliverables and documents in English, in the form, in the numbers, and within the time periods set forth in Appendix II.

**48. Assistance by the Procuring Entity on Government Requirements**

48.1. The Procuring Entity may assist the Consultant, Sub-Consultants, and Personnel in the payment of such taxes, duties, fees and other impositions as may be levied under the Applicable Law by providing information on the preparation of necessary documents for payment thereof.

48.2. The Procuring Entity shall use its best efforts to ensure that the Government shall:



- (a) provide the Consultant, Sub-Consultants, and Personnel with work permits and such other documents as shall be necessary to enable the Consultant, Sub-Consultants, or Personnel to perform the Services;
- (b) arrange for the foreign Personnel and, if appropriate, their eligible dependents to be provided promptly with all necessary entry and exit visas, residence permits, and any other documents required for their stay in the Philippines for the duration of the Contract;
- (c) facilitate prompt clearance through customs of any property required for the Services and of the necessary personal effects of the foreign Personnel and their eligible dependents;
- (d) issue to officials, agents and representatives of the Government all such instructions as may be necessary or appropriate for the prompt and effective implementation of the Services; and
- (e) grant to foreign Consultant, any foreign Sub-Consultant and the Personnel of either of them the privilege, pursuant to the Applicable Law, of bringing into the Government's country reasonable amounts of foreign currency for purposes of the Services or for the personal use of the foreign Personnel and their dependents.

#### **49. Access to Land**

The Procuring Entity warrants that the Consultant shall have, free of charge, unimpeded access to all lands in the Philippines in respect of which access is required for the performance of the Services. The Procuring Entity shall be responsible for any damage to such land or any property thereon resulting from such access and shall indemnify the Consultant and each of the Personnel in respect of liability for any such damage, unless such damage is caused by the default or negligence of the Consultant or any Sub-Consultant or the Personnel of either of them.

#### **50. Subcontract**

- 50.1. Subcontracting of any portion of the Consulting Services, if allowed in the BDS, does not relieve the Consultant of any liability or obligation under this Contract. The Consultant will be responsible for the acts, defaults, and negligence of any sub-consultant, its agents, servants or workmen as fully as if these were the Consultant's own acts, defaults, or negligence, or those of its agents, servants or workmen.
- 50.2. Sub-consultants disclosed and identified during the bidding may be changed during the implementation of this Contract, subject to compliance with the required qualifications and the approval of the Procuring Entity.

## **51. Accounting, Inspection and Auditing**

### **51.1. The Consultant shall:**

- (a) keep accurate and systematic accounts and records in respect of the Services hereunder, in accordance with internationally accepted accounting principles and in such form and detail as shall clearly identify all relevant time changes and costs, and the bases thereof;
- (b) permit the Procuring Entity or its designated representative and or the designated representative of the Funding Source at least once for short-term Contracts, and annually in the case of long-term Contracts, and up to one year from the expiration or termination of this Contract, to inspect the same and make copies thereof as well as to have them audited by auditors appointed by the Procuring Entity; and
- (c) permit the Funding Source to inspect the Consultant's accounts and records relating to the performance of the Consultant and to have them audited by auditors approved by the Funding Source, if so required.

51.2. The basic purpose of this audit is to verify payments under this Contract and, in this process, to also verify representations made by the Consultant in relation to this Contract. The Consultant shall cooperate with and assist the Procuring Entity and its authorized representatives in making such audit. In the event the audit discloses that the Consultant has overcharged the Procuring Entity, the Consultant shall immediately reimburse the Procuring Entity an amount equivalent to the amount overpaid. If overpayment is a result of the Consultant having been engaged in what the Procuring Entity (or, as the case may be, the Funding Source) determines to constitute corrupt, fraudulent, or coercive practices, as defined in GCC Clause 27.1(e) and under the Applicable Law, the Procuring Entity shall, unless the Procuring Entity decides otherwise, terminate this Contract.

51.3. The determination that the Consultant has engaged in corrupt, fraudulent, coercive practices shall result in the Procuring Entity and/or the Funding Source seeking the imposition of the maximum administrative, civil and criminal penalties up to and in including imprisonment.

## **52. Contract Cost**

52.1. Except as may be otherwise agreed under GCC Clause 10, payments under this Contract shall not exceed the ceiling specified in the SCC. The Consultant shall notify the Procuring Entity as soon as cumulative charges incurred for the Services have reached eighty percent (80%) of this ceiling.

- 52.2 Unless otherwise specified in the SCC, the cost of the Services shall be payable in Philippine Pesos and shall be set forth in the Appendix IV attached to this Contract.

### **53. Remuneration and Reimbursable Expenditures**

- 53.1. Payments of Services do not relieve the Consultant of any obligation hereunder.
- 53.2. Remuneration for the Personnel shall be determined on the basis of time actually spent by such Personnel in the performance of the Services including other additional factors indicated in the SCC after the date determined in accordance with GCC Clause 22, or such other date as the Parties shall agree in writing, including time for necessary travel via the most direct route, at the rates referred to, and subject to such additional provisions as are set forth, in the SCC.
- 53.3. Remuneration for periods of less than one month shall be calculated on an hourly basis for time spent in home office (the total of 176 hours per month shall apply) and on a calendar-day basis for time spent away from home office (1 day being equivalent to 1/30th of a month).
- 53.4. Reimbursable expenditures actually and reasonably incurred by the Consultants in the performance of the Services are provided in the SCC.
- 53.5. Billings and payments in respect of the Services shall be made as follows:
- (a) The Procuring Entity shall cause to be paid to the Consultant an advance payment as specified in the SCC, and as otherwise set forth below. The advance payment shall be due after the Consultant provides an irrevocable standby letter of credit in favor of the Procuring Entity issued by an entity acceptable to the Procuring Entity in accordance with the requirements provided in the SCC.
  - (b) As soon as practicable and not later than fifteen (15) days after the end of each calendar month during the period of the Services, the Consultant shall submit to the Procuring Entity, in duplicate, itemized statements, accompanied by copies of receipted invoices, vouchers and other appropriate supporting materials, of the amounts payable pursuant to GCC Clauses 52.1 and 52.2 for such month. Separate monthly statements shall be submitted in respect of amounts payable in foreign currency and in local currency. Each separate monthly statement shall distinguish that portion of the total eligible costs which pertains to remuneration from that portion which pertains to reimbursable expenditures.

- (c) The Procuring Entity shall cause the payment of the Consultant's monthly statements within sixty (60) days after the receipt by the Procuring Entity of such statements with supporting documents. Only such portion of a monthly statement that is not satisfactorily supported may be withheld from payment. Should any discrepancy be found to exist between actual payment and costs authorized to be incurred by the Consultant, the Procuring Entity may add or subtract the difference from any subsequent payments. Interest shall be paid for delayed payments following the rate provided in the SCC.

#### **54. Final Payment**

- 54.1. The final payment shall be made only after the final report and a final statement, identified as such, shall have been submitted by the Consultant and approved as satisfactory by the Procuring Entity. The Services shall be deemed completed and finally accepted by the Procuring Entity and the final report and final statement shall be deemed approved by the Procuring Entity as satisfactory ninety (90) calendar days after receipt of the final report and final statement by the Procuring Entity unless the Procuring Entity, within such ninety (90)-day period, gives written notice to the Consultant specifying in detail deficiencies in the Services, the final report or final statement. The Consultant shall thereupon promptly make any necessary corrections within a maximum period of ninety (90) calendar days, and upon completion of such corrections, the foregoing process shall be repeated.
- 54.2. Any amount which the Procuring Entity has paid or caused to be paid in accordance with this clause in excess of the amounts actually payable in accordance with the provisions of this Contract shall be reimbursed by the Consultant to the Procuring Entity within thirty (30) days after receipt by the Consultant of notice thereof. Any such claim by the Procuring Entity for reimbursement must be made within twelve (12) calendar months after receipt by the Procuring Entity of a final report and a final statement approved by the Procuring Entity in accordance with the above.

#### **55. Lump Sum Contracts**

- 55.1. For Lump Sum Contracts when applicable, notwithstanding the terms of GCC Clauses 10, 18.1, 31(c), 41.3, 53.2, 53.3, 53.4, 53.5, and 54.1, the provisions contained hereunder shall apply.
- 55.2. Personnel - Any replacement approved by the Procuring Entity in accordance with ITB Clause 27.3. shall be provided by the Consultant at no additional cost.
- 55.3. Staffing Schedule - Should the rate of progress of the Services, or any part hereof, be at any time in the opinion of the Procuring Entity too

slow to ensure that the Services are completed in accordance with the Staffing Schedule, the Procuring Entity shall so notify the Consultant in writing and the Consultant shall at its sole cost and expense, thereupon take such steps as necessary, subject to the Procuring Entity's approval, or as reasonably required by the Procuring Entity, to expedite progress so as to ensure that the Services are completed in accordance with the Staffing Schedule.

- 55.4. Final payment pursuant to the Payment Schedule in Appendices IV and V shall be made by the Procuring Entity after the final report has been submitted by the Consultant and approved by the Procuring Entity.
- 55.5. Termination - Upon the receipt or giving of any notice referred to in GCC Clause 29 and if the Consultant is not in default under this Contract and has partly or substantially performed its obligation under this Contract up to the date of termination and has taken immediate steps to bring the Services to a close in prompt and orderly manner, there shall be an equitable reduction in the maximum amount payable under this Contract to reflect the reduction in the Services, provided that in no event shall the Consultant receive less than his actual costs up to the effective date of the termination, plus a reasonable allowance for overhead and profit.
- 55.6. Unless otherwise provided in the SCC, no additional payment for variation order, if any, shall be allowed for this Contract.

## **56. Liquidated Damages for Delay**

If the Consultant fails to deliver any or all of the Services within the period(s) specified in this Contract, the Procuring Entity shall, without prejudice to its other remedies under this Contract and under the Applicable Law, deduct from the contract price, as liquidated damages, a sum equivalent to one-tenth of one percent of the price of the unperformed portion of the Services for each day of delay based on the approved contract schedule up to a maximum deduction of ten percent (10%) of the contract price. Once the maximum is reached, the Procuring Entity may consider termination of this Contract pursuant to GCC Clause 27.

***Section V. SPECIAL CONDITIONS OF  
CONTRACT***

## ***Section V. Special Conditions of Contract***

<b>GCC Clause</b>	
1.1(g)	The Funding Source is:  PPA's Corporate Budget for CY 2019.
6.2(b)	For a period of two years after the expiration of this Contract, the Consultant shall not engage, and shall cause its Personnel as well as their Subconsultants and its Personnel not to engage, in the activity of a purchaser (directly or indirectly) of the assets on which they advised the Procuring Entity under this Contract nor in the activity of an adviser (directly or indirectly) of potential purchasers of such assets. The Consultant also agree that their affiliates shall be disqualified for the same period of time from engaging in the said activities.
7	"Not applicable".
8	The person designated as resident project manager in Appendix III shall serve in that capacity, as specified in GCC Clause 8.
10	No further instructions.
12	The Authorized Representatives are as follows:  For the Procuring Entity: <b>MARK JON S. PALOMAR</b> <b>Chairperson, HO-BAC-EP-CON</b>  For the Consultant: _____
15.1	The addresses are:  <b>Philippine Ports Authority</b>  <b>MARK JON S. PALOMAR</b> <b>Chairperson, HO-BAC-EP-CON</b>  Address: <b>PPA Bldg., A. Bonifacio Drive, South Harbor,</b> <b>Port Area, Manila</b>  Facsimile: Telephone Nos. 954-8800 loc. 322  Email Address: mjspalomar@ppa.com.ph

	<p>Consultants:</p> <p>Attention:</p> <p>Address: _____</p> <p>Facsimile: _____</p> <p>Email Address: _____</p>
15.2	<p>Notice shall be deemed to be effective as follows:</p> <p>(a) in the case of personal delivery or registered mail, on delivery;</p> <p>(b) in the case of facsimiles, within 1 hour following confirmed transmission; or</p> <p>(c) in the case of telegrams, within 1 day following confirmed transmission.</p>
18.3	<p>Consultant's account where payment may be made: _____</p>
19	<p>No further instructions.</p>
20	<p>All partners to the joint venture shall be jointly and severally liable to the Procuring Entity.</p>
22	<p>None</p>
24	<p>The time period shall be 8 months or such other time period as the parties may agree in writing.</p>
34.2	<p>Any and all disputes arising from the implementation of this contract shall be submitted to arbitration in the Philippines according to the provisions of Republic Acts 876 and 9285, as required in Section 59 of the IRR of RA 9184.</p>
35.1	<p>The drawings, specifications, designs, reports, other documents and software prepared by the Consultant for the Procuring Entity under this Contract that shall become and remain the property of the Procuring Entity are as follows:</p> <p>(a) Technical and Survey Reports</p> <p>(b) Special Reports</p> <p>(c) Draft Final Report (hard &amp; electronic copy)</p> <p>(d) Final Report (hard &amp; electronic copy)</p>



38.1(d)	<p>The Consultant's actions requiring the Procuring Entity's prior approval are:</p> <p>(a) Progress Billing.</p> <p>(b) Key Personnel Replacement.</p> <p>(c) Contract Time Extension (at no cost to Procuring Entity).</p>
39.5	<p>The Consultant may change its Key Personnel only for justifiable reasons as may be determined by the Procuring Entity, such as death, serious illness, incapacity of an individual Consultant, resignation, among others, or until after fifty percent (50%) of the Personnel's man-months have been served.</p> <p>Violators will be fined an amount equal to the refund of the replaced Personnel's basic rate, which should be at least fifty percent (50%) of the total basic rate for the duration of the engagement.</p>
42.1	No further instructions.
42.4(c)	No further instructions.
52.1	The total ceiling amount in Philippine Pesos is ₱ 33,194,196.54
52.2	No further instructions.
53.2	No additional instructions.
53.4	<p>The following expenditures in foreign currency shall be reimbursed in local currency at the exchange rate used on the date of Bid opening:</p> <ol style="list-style-type: none"> <li>1. a per diem allowance for each of the foreign or local Personnel for every day in which such Personnel shall be absent from his home office and shall be outside the country of the Government for the purpose of the Services at the daily rate specified in Appendix IV;</li> <li>2. the following transportation costs: <ol style="list-style-type: none"> <li>(a) the cost of international transportation of the foreign Personnel and, as specified below, eligible dependents of the foreign Personnel, by the most appropriate means of transport and the most direct practicable route to and from the Consultant's home office; in the case of air travel, this shall be by less than first class;</li> <li>(b) the cost of transportation to and from the Government's country of eligible dependents who shall be the spouse and not more than two (2) unmarried dependent children under eighteen (18) years of age of those of the foreign Personnel assigned to resident duty in the Government's country for the purpose of the Services for periods of six (6)</li> </ol> </li> </ol>

	<p>consecutive months or longer, provided that the stay of such dependents in the Government's country shall have been for not less than three (3) consecutive months, duration. If the project period for resident staff of the foreign Personnel shall be thirty (30) months or more, one extra economy class air trip for their eligible dependents for every twenty-four (24)-month project shall be reimbursed;</p> <p>(c) for the air travel of each of the foreign Personnel, and each eligible dependent, the cost of excess baggage up to twenty (20) kilograms per person, or the equivalent in cost of unaccompanied baggage or air freight; and</p> <p>(d) miscellaneous travel expenses such as the cost of transportation to and from airports, airport taxes, passport, visas, travel permits, vaccinations, etc., at a fixed unit price per round trip as specified in Appendix IV;</p> <p>3. the cost of communications (other than those arising in the Government's country) reasonably required by the Consultant for the purposes of the Services;</p> <p>4. the cost of printing, reproducing and shipping of the documents, reports, drawings, etc. specified in Appendix IV;</p> <p>5. the cost of acquisition, shipment and handling of the following equipment, instruments, materials and supplies required for the Services: <i>[insert amount]</i>;</p> <p>6. the cost of shipment of personal effects up to <i>[insert amount]</i>;</p> <p>7. the cost of programming and use of, and communication between, the computers for the purposes of the Services at the rate set forth in Appendix IV;</p> <p>8. the cost of training of the Procuring Entity's personnel outside the Government's country, as specified in Appendix IV;</p> <p>9. the cost of laboratory tests on materials, model tests and other technical services authorized or requested by the Procuring Entity, as specified in Appendix IV;</p> <p>10. the foreign currency cost of any subcontract required for the Services and approved in writing by the Procuring Entity;</p> <p>11. the cost of items not covered in the foregoing but which may be required by the Consultant for completion of the Services, subject to the prior authorization in writing by the Procuring Entity; and</p> <p>12. any such additional payments in foreign currency for properly procured items as the Parties may have agreed upon.</p>
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	<p><b>NOTE:</b> <i>Items that are not applicable should be deleted; others may be added.</i></p> <p>The reimbursable expenditures in local currency shall be as follows:</p> <ol style="list-style-type: none"> <li>1. the cost of the following locally procured items: local transportation, office accommodations, camp facilities, camp services, subcontracted services, soil testing, equipment rentals, supplies, utilities and communication charges arising in the Government's country, all if and to the extent required for the purpose of the Services, at rates specified in Appendix IV;</li> <li>2. the cost of equipment, materials and supplies to be procured locally in the Government's country as specified in Appendix IV;</li> <li>3. the local currency cost of any subcontract required for the Services and approved in writing by the Procuring Entity;</li> <li>4. any such additional payments in local currency for properly procured items as the Parties may have agreed upon pursuant to this Contract; and</li> <li>5. the ordinary and necessary cost of such further items as may be required by the Consultant which are actually, directly, and necessarily used for the purpose of the Services, as agreed in writing by the Procuring Entity.</li> </ol> <p><b>NOTE:</b> <i>Items that are not applicable should be deleted.</i></p>
53.5(a)	<p>The following provisions shall apply to the advance payment and the advance payment guarantee:</p> <ol style="list-style-type: none"> <li>(a) An advance payment of 15% in Philippine peso shall be made within 30 days after the Effective Date. The advance payment shall be set off by the Procuring Entity in equal installments against the statements for the first 5 months of the Services until the advance payment has been fully set off.</li> <li>(b) The advance payment shall be made only upon the submission to and acceptance by the Procuring Entity of an irrevocable standby letter of credit issued by an entity acceptable to the agency and of an amount equivalent to the advance payment.</li> </ol>
53.5(c)	The interest rate is: 0%.
55.6	No further instructions.

## ***Section VI. TERMS OF REFERENCE***

Republic of the Philippines  
**PHILIPPINE PORTS AUTHORITY**  
**TERMS OF REFERENCE FOR THE TECHNICAL SERVICES**  
**FOR THE CONDUCT OF SOIL INVESTIGATION AT SELECTED PORTS**  
**(Package 10)**

**I. OBJECTIVE**

The purpose of this package of soil investigation is to obtain the needed information for foundation design analysis and for the evaluation of alternative type of structures.

**II. GENERAL**

There are no existing or updated records on soil investigations at the following selected ports site on which to base the preliminary or detailed engineering design of structures to be constructed thereat:

<u>Port</u>	<u>Proposed Project</u>
<b><u>Luzon</u></b>	
1. Currimao, Ilocos Norte	Construction of Breakwater
2. Matnog, Sorsogon	Matnog Vehicle Holding Complex
3. Lucena City, Quezon	Construction of Transit Shed and Back-up Area
4. Bulan, Sorsogon	Extension of R.C. Pier and Construction of RoRo Ramp
5. Pio Duran, Albay	Expansion of Back-up Area with One (1) RoRo Ramp On Fill
6. San Andres, Catanduanes	Construction of Port Operations Building, R.C. Pier and Back-up Area with Two (2) Units RoRo Ramps on Fill
7. Pootoy, Odiongan, Romblon	Pootoy Port Expansion Project
8. Masbate City, Masbate	Construction of Transit Shed
9. Sual, Pangasinan	Pier Extension, Causeway and Back-up Area
10. Cawayan, Masbate	Proposed RoRo Ramp, R.C. Platform, Back-up Area, Widening of Rock Causeway and Construction of Passenger Terminal Building
11. San Jose, Caminawit, Occ. Mindoro	Proposed R.C. Pier Extension
<b><u>Visayas</u></b>	
1. Villa Miranda, Victorias City, Negros Occidental	Port Expansion Project
2. Alegria, Buruanga, Aklan	Alegria Port Development Project
3. Tagbilaran City, Bohol	Construction of Additional Fastcraft Berth
4. Maguino-o, Calbayog, Samar	Expansion of Passenger Terminal Building and Construction of RoRo Ramp with Platform
5. Baybay, Southern Leyte	Rehabilitation of Existing R.C. Pier
6. Basiao, Ivisan, Capiz	Port Development Project
7. Tubigon, Bohol	Construction of Port Operations Building and Back-up Area with Continuous RoRo Ramp
<b><u>Mindanao</u></b>	
1. Lipata, Surigao del Norte	Expansion of back-up Area with Three (3) Units RoRo Ramps
2. Iligan City, Lanao del Norte	Extension of R.C. Wharf and Reclamation of back-up Area
3. Timaco, Kalanganan, Cotabato City Maguindanao	Port Development Project –Phase II
4. Plaridel, Misamis Occidental	Construction of Port Operations Building
5. Zamboanga, Zamboanga City	Construction of Passenger Terminal Building

The PPA may order additions or deletions from this package.

### III. SCOPE OF WORK

#### A. Coverage

The work shall cover the drilling of and testing of soil samples from one hundred six (106) boreholes, of which eighty four (84) shall be drilled offshore each to a depth of about 50 meters below seabed and twenty two (22) shall be drilled inland to a depth of 30 meters below existing ground line maximum for each borehole, respectively and/or there is 5 consecutive SPT N values of at least 50 blows but with less than 1 foot (30 cm.) of soil penetration recorded during two (2) – successive 15 cm. penetrations of the Split-Spoon Sampler or 4.5-meters coring into bedrock, whichever comes first. Soil boring/drilling deeper than 50 meters or 30 meters in the case of Offshore boreholes or Inland boreholes, respectively, shall be referred to the PPA Engineer/Authorized Representative witnessing the drilling on-site. However, the minimum depth of drilling for both offshore and inland boreholes is 15 meters deep. All boreholes must be referred to benchmarks designated by the PPA. The actual number of boreholes, their locations and depths are subject to change depending on field conditions. A Geodetic Engineer shall determine the actual location of the borehole based on the coordinates specified in the development plan using GPS technology/system. The contract duration for this package is eight (8) months.

#### B. Description of Work

1. Soil Exploration. This shall consist of drilling test holes, classification of soils and making of field tests on soil characteristics. In addition, laboratory tests shall be made as specified. The Consultant should be able to identify areas with geological problems and difficulties, which could affect the stability of the proposed structures i.e. buildings, pier/wharf, back-up area, causeway, etc. A complete report shall be required giving soil classifications and their engineering characteristics including a **3D settlement analysis and analysis on the rate of backfilling to counteract/avoid slip failure for projects where there are proposed reclamation (back-up areas, causeway)**. The dimension of the back-up area shall be coordinated with PPA.

- Depth of seabed with respect to Mean Lower Low Water (MLLW)
- Soil borings through ordinary soils (depth: 0-15m)
- Soil borings through hard soils/rock (depth: 5m)
- Split-spoon sampling (1m interval for the first 3 meters, 1.5m interval thereafter or when there is noticeable change in the soil characteristics based on texture and color, whichever comes first)
- Standard Penetration Tests (similar to split-spoon sampling criteria)
- Undisturbed sampling using thin-walled Shelby tube sampler (one sampler every 10m deep when there is encountered soft to medium stiff cohesive samples with SPT readings ranging from 2 to 7 blows per foot of soil penetration)
- Stop criterion of soil boring for each borehole when: there is 5 consecutive SPT N values of at least 50 blows but with less than 1 foot (30 cm.) of soil penetration recorded during (two) 2 – successive 15 cm. penetrations of the Split-Spoon Sampler or 4.5-meters coring into bedrock or 50 meters below sea bed level in the case of offshore boreholes or 30 meters deep below Existing Ground Line in the case of inland boreholes, whichever comes first. Soil boring/drilling deeper than 50 meters or 30 meters in the case of offshore boreholes or inland boreholes, respectively shall be referred to the PPA Engineer/Authorized Representative witnessing the drilling on-site. However, the minimum depth of drilling for both offshore and inland boreholes is 15 meters deep.

Pertinent ASTM standards are to be met in the conduct of the investigation.

If rock is encountered, holes shall be terminated after core drilling continuously for five (5) meters in the rock.

- a. Soil Classification. Soils shall be described according to the Unified Classification System of ASTM D2487. A visual field classification of soils by a competent Geologist or Geotechnical Engineer supplemented by laboratory tests shall be made.

- b. Penetration. The Standard Penetration Test (SPT) shall be carried out in accordance with ASTM D1586. Disturbed (split-spoon) samples shall be performed at intervals of 1 meter for the first 3 meters and every 1.5 meters thereafter. Representative samples shall be collected and shipped for laboratory testing. At least one undisturbed (Shelby tube) sample, 2½ inch diameter x 24" long or larger, shall be extracted from each distinct soft to medium stiff cohesive stratum. The depth of the undisturbed sample shall be subject to the directions of PPA.
- c. Testing. The soil/rock samples to be scheduled for laboratory tests shall be selected by the Consultant. The types of test shall be referred to ASTM standard procedures as follows:
- |    |                                  |                                     |
|----|----------------------------------|-------------------------------------|
| 1) | Visual Soil Classification (SPT) | ASTM D2488/D2487<br>2217/ASTM D1586 |
| 2) | Gradation                        | ASTM D422/E100 Part 41              |
| 3) | Atterberg Limits                 | ASTM 421/423                        |
| 4) | Natural Water Content            | ASTM D2216                          |
| 5) | Unit Weight                      | ASTM 2049/D1556/D2167               |
| 6) | Organic Content                  | ASTM D2974                          |
| 7) | Specific Gravity                 | ASTM D854/C127                      |
| 8) | Consolidation Test               | ASTM D2435                          |
| 9) | Unconfined Compression Test      | ASTM D2166-06                       |

The Consultant shall have their owned laboratory where the testing of soil samples shall be done.

## 2. Procedure

- a. Pre-drilling Coordination Meeting. Prior to the mobilization of the drilling teams/crews of the Contractor to the priority port sites, a coordination meeting with the PPA Engineers in charge of monitoring the project activities to discuss among others, other parameters that maybe required relevant to the specific structure to be constructed, the type and size of structures (pier, causeway, wharf, back-up area, building, among others) to be built on each port site as clearly indicated in the Port Development Plan in relation to the borehole location and designation as superimposed therewith.
- b. Technical Advice. The Contractor's Experts/Engineers shall be available, if consulted, to give/submit their professional written opinion on technical matters that may arise in the course of the PPA Engineer's design of such foundation structures and during the implementation of the proposed structure.
- c. Inspection. No work shall be performed in the absence of an authorized representative of the PPA.
- The Contractor shall not remove casing or equipment from any completed boring except with the express permission of the authorized representative and until said representative has had the opportunity to obtain all relevant data prior to removal.
- d. Size of Boring in Sampling. Samples shall be obtained either intermittently or continuously as specified herein with a minimum diameter of 1-3/8 inch. The sizes of boreholes shall be sufficient for the above size of sample. Intermittent sampling shall mean disturbed (split-spoon) samples taken at specified intervals and undisturbed (Shelby tube) samples at each change of soil type or if soft cohesive soils are required, they shall be obtained with thin-wall samplers. Samples shall be prepared in accordance with the applicable requirements of the section herein on "Preserving Samples."

- e. Penetration on Boulders or Rock Layers. Boulders or rock layers encountered in drilling shall be cored to determine the character and size or thickness of the materials. After coring, the hole may be enlarged by reaming or by other means as approved by the PPA. Where it will be necessary to reduce the size of the borehole in order to reach the target depth and obtain the required samples, the minimum casing diameter shall be of such size as to permit the use of a 1-5/8 inch core bit.

### 3. Supplemental Boring

- a. Abandoned Borings. Borings that are abandoned or lost before reaching the required depth, or from which unsatisfactory samples are obtained, shall be supplemented by other borings adjacent to the original in order to obtain satisfactory samples and the required information. Penetration to the depth where the original boring was abandoned may be made by any method selected by the Contractor that in the opinion of the PPA will permit satisfactory completion and sampling below the elevation not satisfactorily reached by the abandoned boring.
- b. False Start. It is intended that the borings be made so as to clear all underwater pipes, conduits, and other underwater structures. However, should the Contractor be unable to complete any boring due to underwater structures, obstacles or obstructions which the PPA considers are of unusual nature and that failure to penetrate them is not the fault of the Contractor's method or equipment, a false start will be allowed. In such cases, if directed by the PPA representative, another boring will be made in the adjacent vicinity.

### 4. Casing

- a. Advancing. Boring through overburden soils shall be suitably cased to permit obtaining samples of the size or sizes specified or as directed. Casing may consist of standard pipes and couplings or flush pointed pipes, and shall be advanced vertically by driving, chopping and washing, coring or by any method consistent with the manner and type of sampling described for the specified boring, and as approved by the PPA. In all borings where rock is to be cored below the cased overburden, the casing shall be firmly seated to the rock, and the hole cleaned of all loose material before commencing coring operations.
- b. Removal. All casings shall remain the property of the Contractor and shall be removed on the completion of the work.

## IV. SOIL INVESTIGATION FOR PROPOSED STRUCTURES

Sub-surface exploration shall be carried out at proposed sites for revetment and proposed engineering structures in order to obtain sufficient and adequate subsoil data for the preliminary or detailed engineering design of the project.

### a.) Soil Borings and Core Drilling

Borings through underlying soils shall be advanced by drilling with either diamond or carbide NW casing shoe bits or such other method consistent with the manner and types of soil sampling to be employed, as may be approved by the PPA Engineer. Borings shall be cased to permit soil sampling by split-spoon and Shelby tube methods and shall extend down to the program depth of boreholes at respective area covered by the survey or deeper as directed by the PPA Engineer on-site.

For coring into rock or hard strata, rotary drilling method shall be employed. Core drillings shall be performed in accordance with ASTM or AASHTO procedures and the following provisions. At the start of coring, the casings through the substrata shall be tightly seated. The coring of rocks shall employ NQ size double tube core barrels or triple tube core barrels, to provide a sample run from 0.5 m to 1.5 m long within the



liner, and shall be continued 4.50 m penetration deep into the bedrock. Length of recovered rock in each run shall be recorded and recovery expressed as a percentage of total recovery for each drilling run. Cores shall be recovered and placed in core boxes in the correct sequence. Core boxes shall be of robust timber construction and to the satisfaction of the PPA Engineer. The Contractor shall exercise particular care in recording water losses, rod jerks, and other unusual coring experience that is supplementary to the core record, and shall indicate, the nature and the extent of any fracturing.

The Contractor shall record groundwater levels in each boring upon completion of boring, during the removal of the casings and 24 hours after the removal of the casing. Where the borings are made over a period of several days, the ground water readings shall be made each evening at the end of the drilling operations, and each morning prior to the resumption of drilling. In all cases the recorded data shall include the date and time of reading.

b.) Standard Penetration Test and Split-Spoon Sampling

This work shall be performed in accordance with ASTM of AASHTO standard procedures, and the following provisions. Where discrepancies exist, these specifications shall govern. All procedures are subject to the approval of the PPA Engineer.

Representative soil samples (disturbed) shall be obtained at regular intervals of 1.0 meter for the first 3 meters or every 1.50 meters interval, thereafter or every change in soil characteristics, whichever is observed first.

Split-spoon sampler shall be driven into the soil at the bottom of the cleaned out casing using a 64.0 kg. hammer falling 75 cm. The hammer will be raised preferably by means of a mechanical free drop system. The sampler shall have a steel shoe with a sharp cutting edge, and a reliable check valve. A record shall be made of the number of blows for the sampler to penetrate the first 15 cm. and is called the seating drive. The sampler shall be driven a further 30 cm. or until 60 to 70 blows of the hammer have been applied. The number of blows for each 15 cm penetration shall be recorded. The penetration resistance, N, will be the total number of blows required to drive the sampler the last 30 cm.

If the sampler is driven less than a total of 45 cm, the penetration resistance shall be number of blows for the last 30 cm of penetration. If less than 30 cm. is penetrated, the number of blows shall be stated and the depth of penetration measured. If the rate of penetration of the sampler is less than 2.5 cm for the 50 blows, refusal shall be considered to have been obtained.

The sampler shoe shall be provided or fitted with a flap valve to obtain samples in soils that are too granular to be retained in the sampler.

Tests shall be repeated if necessary to obtain acceptable samples. However, the sampler shall not be driven more than 60 cm below the bottom of the casing, in which case, the casing shall be advanced before repeating the test procedure.

The split-spoon retrieved from the hole shall be handled carefully and shall be opened, with minimum disturbance of the sample, then placed into a clean plastic sheeting bag for visual classification. The soil sample shall be preserved and stored as specified in Section III. If the sampler is found to contain more than one type of soil, each type shall be classified and preserved separately.

1. Split Spoon Drive Sampling

- a. Sampler Description. Samplers for drive samples shall be of the standard split spoon type having an outside diameter of two (2) inches and an inside diameter of one and three eighths (1-3/8) inches for NW size holes. The sampler shall have a minimum inside length of sixteen (16) inches and shall be equipped with hardened tool shoe valve at the

top. The Contractor shall also provide a core catcher at the bottom of the sampler when difficulty is experienced in recovering samples.

- b. Sampling Procedures. At the points where drive samples are to be taken, advancement of the borehole shall be stopped and the hole or casing shall be completely cleaned of disturbed soil, segregated coarse material and any clay adhering to the walls of the casing. The cleaning shall extend to at least the bottom edge of the casing and should preferably advance the hole a few inches further in order to by-pass disturbance caused by the cutting edge of the casing. Cleaning shall be done with shielded jets suitable to the relative resistance of the various subsurface strata; the drive sampler shall be driven in the following manner:

- 1) The 1-3/8 inch inside diameter drive sampler shall be driven with a 140-lb. hammer a free fall of 30 inches.
- 2) The drive sampler shall be driven to a depth of 18 inches or as directed by the PPA representative and the number of blows shall be recorded for each 6-inch depth of penetration. If the samples obtained are less than 12 inches long, the sampling operation shall be repeated.

## 2. Undisturbed Sampling of Soils

### 1. Shelby-Tube

This work shall be performed in accordance with ASTM or ASSHTO procedure and the following provisions. Where discrepancies exist between these provisions and ASTM and ASSHTO specifications, these specifications will prevail. All procedures are subject to the approval of the PPA Engineer.

In layers of soft to medium stiff cohesive soils (i.e. N-values ranging between 2 to 7 blows per foot of soil penetration), undisturbed Shelby-tube samples shall be obtained at intervals of not more than ten (10) meters or otherwise directed by the PPA Engineer. Undisturbed samples are required for consolidation and unconfined compression tests and other specified laboratory tests.

The following procedures shall be adopted:

Clean out the hole to the depth of sampling such that the soil immediately below the casing shall be as undisturbed as possible. The casing shall be kept above the sampling position.

Attach a 70 mm diameter thin-wall tube sample to the drill rod and let it rest on the bottom of the hole.

Push the sampler into the soil either manually or by hydraulic jack with a continuous and rapid motion without impact or twisting to fill the sampler. In no case shall the sampler tube be driven with a hammer or pushed further than the length provided for the soil sampler. If resistance is encountered when manually pushing the sampler tube, a heavy weight may be used without hammering to drive the sampler.

Before retrieving the tube, turn the rod at least two (2) revolutions to shear the sampler off, at the bottom. Raise the rod and detach the tube sampler.

Remove and store the disturbed material at the ends of the tube and preserve the undisturbed section in the tube as specified in Section III. Great care must be observed in handling and transporting the samples.

- a. General. Undisturbed Shelby tube samples, 2-1/2 inches in diameter x 24 inches long, shall be taken from all holes as specified herein and called for in these Technical Specifications.

Undisturbed samples shall be taken in cohesive soils whenever the soil conditions would permit driving of the Shelby tube sampler.

- b. Sampler Description. The thin wall tube (Shelby tube) sampler shall consist of 16 or 18 gauge barrel, approximately 36 inches, or longer and will be equipped with a reliable check valve at the top. The tubes shall be provided with a sharp cutting edge and a positive inside clearance. The inside diameter of the cutting edge shall be 0.7 to 1.5 percent less than the inside diameter of the sampler tube.
- c. Sampling Procedure. Before each sample is taken, the casing or borehole shall be carefully cleaned out with a deflected jet or clean out auger as approved by the PPA. The inside of the tube shall be thoroughly cleansed prior to taking the sample. The sampler shall be forced into the soil at a distance of 24 inches at the rate ranging from 1/4 to 1/2 foot per second by hydraulic pressure. The sampler shall not be driven with a drop hammer to obtain samples. No undisturbed samples shall be accepted if the recovery is less than 24 inches long, unless expressly approved by the PPA field representative. After an acceptable undisturbed sample is obtained, the sample shall be preserved as specified in Section 8 "Preserving Samples."

In layers of soft to medium stiff cohesive soils (i.e. N-values ranging between 2 to 7 blows per foot of soil penetration), undisturbed Shelby-tube samples shall be obtained at an interval of not more than ten meters or as otherwise directed by the PPA Engineer.

### 3. Rock Coring

- a. General. The term rock shall apply to any material that cannot be sampled by drive sampling as described herein. Where rock layers or boulders are encountered in the overburden above the specified bottom elevation of any borings, it shall be cored as described under "Penetration on Boulders or Rock Layers." Where ledge rock is encountered above the specified bottom elevation of any boring, it shall be cored to the depths as specified in the Proposal and as directed by PPA representative.
- b. Sampler Description. Rock coring shall be performed with a double tube swivel type core barrel as standardized by the Diamond Core Drill Manufacturers Association (DCMA) equipped with diamond-set bottom discharge core bits and standard core lifters and core gage. Core barrels shall be of 5 to 10 ft. length to obtain a continuous rock core 5 feet long, and unless otherwise specified or directed by PPA representative, the sampler shall produce a minimum core of 1-3/4 inches in diameter.
- c. Sampling Procedure. Casing through overburden shall be seated tightly on the rock at the elevation of the rock coring. The Contractor shall operate his drills at such speeds and with such water pressures that will ensure maximum core recovery in whatever kind of rock is being drilled. Where soft or broken rocks are encountered the Contractor shall reduce the length of "runs" to less than 1.5m. as may be required to reduce core loss and core disturbance to the minimum.

Failure to comply with the foregoing procedures shall constitute justification for PPA to require redrilling at the Contractor's expense of any boring from which the core recovery is unsatisfactory. The Contractor shall exercise particular care in recording water losses, rod

jerk and other unusual experience that will throw light on the nature and extent of any fractures in the core samples.

#### 4. Preserving Samples

- a. General. The Contractor shall provide material, equipment and labor necessary for preserving samples. Wax or masking tape shall be used to ensure proper sealing of sample containers.
- b. Drive Samples. Representative specimen of each sample shall be preserved. The containers for preserving samples shall be maximum ten-ounce large-necked, round, screw top, air-tight, durable clear plastic jars, and the specimen shall be sealed with a threaded cap, and cohesive soil samples shall be further sealed by dipping the cap and threads into wax immediately after capping.

Each glass jar or undisturbed sample core liner shall have weatherproof labels giving the following information:

Project: \_\_\_\_\_  
Type of Sample: \_\_\_\_\_  
Borehole No.: \_\_\_\_\_ Elevation: \_\_\_\_\_ Location: \_\_\_\_\_  
Coordinates of the borehole: \_\_\_\_\_  
Jar No.: \_\_\_\_\_  
Top Elevation of Hole: \_\_\_\_\_ Depth of Sample: \_\_\_\_\_  
Visual Description of Samples: \_\_\_\_\_  
Penetration (Blows/15 cm): \_\_\_\_\_

Shipping boxes: Each box of samples shall be identified with weatherproof labels or marking indicating the following:

Project Description: \_\_\_\_\_  
Project Location: \_\_\_\_\_  
Boring No.: \_\_\_\_\_ Sample No.: \_\_\_\_\_

- c. Undisturbed Samples. Undisturbed samples from boring for preservation shall be treated in the following manner: A maximum of one inch of the undisturbed materials from the top and bottom of each sample shall be preserved as prescribed for Drive Samples. The ends of the sample tube shall be filled to the top with wax added in the increments to prevent voids, after which they shall be capped with tight fitting copper or galvanized steel caps bound on with friction tape and dipped in wax. Undisturbed samples shall be labeled and identified as directed by PPA.
- d. Rock Cores. Rock cores shall be suitably boxed, marked and identified in a manner satisfactory to PPA. Cores shall be boxed in the same sequence in which they were obtained in the field.

Cores from each drilling run shall be separated from adjacent with from wooden blocks on which the depths of the beginning and end of the run shall be clearly, accurately and permanently indicated. Cores of soft rock which may be damaged in the normal course of shipping shall be further preserved by wrapping them first in polyethylene plastic. The container itself shall be marked to show borehole number, box number, depth and the date the sample was taken.

#### 5. Records

- a. General. The Contractor shall keep accurate driller's logs and records of all work accomplished under this contract and shall deliver complete, legible copies of these logs and records to PPA upon completion of the work or at such other time or times as he may be directed. The PPA or his representative shall have the right to examine such records at any

time prior to their delivery to him. Separate logs shall be made for each boring. All depths and elevations shall be measured in meters, and shall be referenced to proper benchmarks or datum as designated by PPA representative.

b. Records. Records shall contain the following information:

- 1) Results of all details of each borehole arranged in tabular form, giving full information on the location, type of boring, vertical arrangement, and the thickness and classification of the materials penetrated.
- 2) Location, elevation and depth, type, number and date of each sample and test taken.
- 3) Heights of drop and weight of drop hammer for taken drive samples.
- 4) Size and length of casing used in each borehole.
- 5) Length in inches of samples of coring run.
- 6) Length in recovery for all samples and coring.
- 7) Elevation of refusal or rock if encountered.
- 8) Approximate force required to press in undisturbed samples.
- 9) Driving energy in inch-pounds and blow count data for six-inch penetration of drive sampler and for each twelve-inch penetration of casing.

6. Reference Elevation

The seabed elevation of each borehole should be included in the boring log based on Mean Lower Low Water (MLLW). Elevations above MLLW shall be marked positive (+) while those below shall be marked negative (-). In the absence of Tide Gauge in the area for locating the level of the MLLW, the elevation of the permanent existing structures such as pier, wharf, finish pavement of back-up area, may be used as reference.

7. Submission of Samples

At such time as PPA may direct, all samples and cores selected by the Consultant shall be carefully boxed and shipped accordingly. Boxing shall be made in such a manner that will protect all soil and core samples from excessive disturbance while being shipped to the Soils Laboratory for testing. Payment for shipping samples shall be included in the bid proposal.

**V. MEASUREMENT AND PAYMENT**

The quantities listed in the Proposal are approximate only and do not govern final payment. Payments to the Contractor will be made only for the actual quantities of the contract items performed in accordance with the Technical Specifications and shall be considered as full compensation for furnishing all labor, materials, equipment plant, facilities, and services for the performance of the work.

**VI. SETS OF TESTS REQUIRED AND REPORTS**

- A. Soil Classification. Soils shall be described in accordance with the Unified Soil Classification System (USCS). Each individual stratum shall be measured and described in writing. All thin layers, joints or partings shall be noted. Slices of samples may be prepared and slowly air-dried to reveal stratifications and laminations.

The visual description shall state the color, class of soil (gravel, sand, silt, clay or peat), the relative sizes of non-cohesive soil particles (coarse, medium or fine sand) and the relative cohesiveness and strength of clayey soils (high, medium or low). Any significant factors shall be noted such as the presence of shells, varves, roots and odor of the soil. All soil samples shall be tested in accordance with the ASTM or AASHTO specifications where applicable.

a. Monthly Progress Report

The Consultant shall prepare the Monthly Progress Report (MPR) in a form to be approved by the PPA qualified representative and submit to Port Planning and Design Department (PPDD) on the 25<sup>th</sup> day of each reporting period. The MPR shall consist, but not limited to the following:

1. Overall summary of accomplishment
2. Core drilling progress
3. Laboratory test accomplished
4. Schedule of work
5. List of equipment used
6. Organizational chart
7. Detailed progress chart or S-Curve

b. Partial Reports of Investigation Results

The Consultant shall 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.

c. Photographs

Photographs showing the borehole drilling and sampling at each site shall be taken by the Consultant and form part of the report. The photographs shall depict the following:

1. Equipment used
2. Core drilling operation
3. Water level measurements
4. Performance of SPT sampling
5. All cores and SPT sample placed in core boxes
6. Date photographs were taken
7. Location or station

- B. Final Report. After completion of the laboratory-testing program, a draft report clearly defining and summarizing all the works performed together with the 3D settlement analysis and analysis on the rate of backfilling to counteract/avoid slip failure for projects where there are proposed reclamation (back-up areas, causeway), for traffic load of 500 and 750 pounds per square foot (psf), soil bearing capacity, pile capacity, recommended foundation and pile length depending on the type of structure to be constructed, including the findings and recommendations of a competent Soils Engineer of the Contractor, shall be submitted to PPA. The draft report shall be book-bound and shall contain among others a description of the test procedure, the number of tests for each type, boring logs, maps, summary tables of the results and complete details and analysis/computation and evaluation of the results of each test, grain size analysis curves, summary or recommended soil particles and Atterberg Limit worksheets.

In determining the pile bearing capacity as option/recommendation for foundation works, the Soil Engineer shall use the Design Manual for Ports and Harbor Facilities in the PPA. The provisions in the Design Manual shall serve as the technical reference in computing the bearing capacity of pile foundation based on the recorded borehole logs.

The Final Geotechnical Report shall contain the methodology of geotechnical investigation performed, the result of field investigation including field logs, description of site conditions, profile of soil conditions, result of laboratory tests, summary of geotechnical data and photos. The Final Report (6 copies) in book-bound form and (1 copy) in electronic media (CD-R disks and/or CD-RW disks) in a format and form replicating the paper-print copies, incorporating all revisions deemed appropriate by the Philippine Ports Authority should be submitted within 20 days after receipt of comments on the Draft Final Report from the PPA. The boreholes logs, development plan indicating the actual borehole location and soil profile shall be submitted in AUTOCAD format.

## VII. PAY ITEMS

A. Mobilization and Demobilization

1. Payment will be made at the contract lump sum price for mobilization and demobilization for this exploration work, and shall include full compensation for all labor, materials, transportation charges, and incidentals necessary to complete the mobilization, manning and demobilization of all equipment, including the drilling rigs, appurtenances, supports, etc. Payment on this item will be made only after completion of fieldwork for this exploration.

**B. Boring**

1. Measurement will be made based on the actual depth of soil boring in lineal meter of the borehole in place and accepted.
2. Payment will be computed based on the number of linear meters, measured as provided above, using the contract unit price for borings. Such payment shall include full compensation for furnishing, installing and removing the drill rig and accessories for all drilling work, penetrating boulders or hard layers encountered, installing and removing casing, for submitting records of borings and/or excavation for incidentals necessary to complete the item.

**C. Standard Penetration Tests (SPT)**

1. Each test performed and accepted will be measured as a complete unit.
2. Payment will be made and measured based on the actual number of units performed and at the applicable unit price for SPT.

**D. Undisturbed Sample (UDS)**

1. Each sample taken and accepted will be measured as a complete unit.
2. Payment will be made and measured based on the actual number of units performed and at the applicable unit price for UDS.

**E. Coring in Rocks**

1. Measurement for payment will be made based on the actual number of lineal meters penetrated with the use of coring bit in rock, boulder, gravel, or hard formations.
2. Payment will be computed based on the actual number or lineal meters measured as specified above and at the applicable contract unit price for coring in rock.

**F. Laboratory Tests**

Payment will be made based on the actual number of specified tests, as required in the specification, or as may be required by PPA, and at the applicable contract unit price.

**G. Equipment and Miscellaneous Items**

The Contractor shall specify the major equipment whether owned, rented or leased and to be purchased that will be utilized in the performance of these services, their main specifications and the estimated times of use shown in an equipment utilization schedule. The minimum equipment requirements for this undertaking are as follows:

Quantity	Unit	Particulars
5	units	Rotary Spindle Hydraulic Rig;
		four (4) – owned; one (1) - leased
5	units	3.5hp Water Supply Pump; (five (5) - owned)
1	unit	5hp Duplex (two piston) Engine Water Pump;
		Owned or leased
5	sets	Tripod (five (5) - owned)
40	pcs.	NW Casing (forty (40) - owned)
100	pcs.	AW Rod (one hundred (100) - owned)
5	sets	Split Spoon with 70 kgs. Jar Hammer plus Plate
		five (5) – owned)

5	pcs.	NQ Core Barrel (five (5) - owned)
5	pcs.	Startling Barrel (five (5) - owned)
5	sets	Water Swivel (five (5) - owned)
5	assemblies	Drilling Barge or Pontoon with at least 4 anchors for each project site (four (4) - owned)
1	unit	Motorized Service Boat (owned or leased)
2	sets	Surveying Equipment (Total Station, Theodolite or GPS) (One (1) - owned and One (1) - leased)

Payment of purchased office and other equipment such as computers, printers, copiers, peripherals and accessories shall be made upon turnover to PPA. Similarly, miscellaneous items such as rental of service vehicles, shipment of samples, and employment of security services, provision of safety signage (caution tape and barricades) and individual safety gears/gadgets of the drilling team e.g. safety shoes, safety vest, hard hat, goggles, gloves, safety belts, among others, shall be made in lump sum after the work has been completed.

#### **VIII. BILLING AND OTHER FORMS**

The Contractor shall prepare their billing and other forms in accordance with those that may be prescribed by PPA.

#### **IX. REQUIRED EXPERTISE AND PROPOSALS**

The Contractor shall specify the key personnel or experts that will be utilized in the performance of these services, their qualifications (education, training and experience) and the times that they will serve shown in a manpower schedule. The following minimum specialization is anticipated to be required in the Study:

- Project Manager/Geotechnical Engineer/Planner
- Deputy Project Manager/Port Engineer/Planner
- Geologist/Geotechnical Engineer
- Civil Engineer
- Geodetic Engineer
- Laboratory Chief

#### **X. REPORTS**

The Draft and Final Reports shall include the results of all required tests performed and accepted on this exploration work including the settlement analysis and analysis on the rate of backfilling to counteract/avoid slip failure for projects where there are proposed reclamation (back-up areas, causeway). The report shall include the findings, evaluations and recommendations as more specifically defined in Section No. VI.B.


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