



Bidding Documents for

**Implementation of Rizal
Park Complex
Comprehensive Tourism
Plan (Improvement of
Roads and Paths at
Central Section, Rizal
Park), Phase II**

NPDC-2024-EPA-ITB-007

(Early Procurement Activity)

2024

Preface

These Philippine Bidding Documents (PBDs) for the procurement of Infrastructure Projects (hereinafter referred to also as the “Works”) through Competitive Bidding have been prepared by the Government of the Philippines for use by all branches, agencies, departments, bureaus, offices, or instrumentalities of the government, including government-owned and/or -controlled corporations, government financial institutions, state universities and colleges, local government units, and autonomous regional government. The procedures and practices presented in this document have been developed through broad experience, and are for mandatory use in projects that are financed in whole or in part by the Government of the Philippines or any foreign government/foreign or international financing institution in accordance with the provisions of the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.

The PBDs are intended as a model for admeasurements (unit prices or unit rates in a bill of quantities) types of contract, which are the most common in Works contracting.

The Bidding Documents shall clearly and adequately define, among others: (i) the objectives, scope, and expected outputs and/or results of the proposed contract; (ii) the eligibility requirements of Bidders; (iii) the expected contract duration; and (iv) the obligations, duties, and/or functions of the winning Bidder.

Care should be taken to check the relevance of the provisions of the PBDs against the requirements of the specific Works to be procured. If duplication of a subject is inevitable in other sections of the document prepared by the Procuring Entity, care must be exercised to avoid contradictions between clauses dealing with the same matter.

Moreover, each section is prepared with notes intended only as information for the Procuring Entity or the person drafting the Bidding Documents. They shall not be included in the final documents. The following general directions should be observed when using the documents:

- a. All the documents listed in the Table of Contents are normally required for the procurement of Infrastructure Projects. However, they should be adapted as necessary to the circumstances of the particular Project.
- b. Specific details, such as the *“name of the Procuring Entity”* and *“address for bid submission,”* should be furnished in the Instructions to Bidders, Bid Data Sheet, and Special Conditions of Contract. The final documents should contain neither blank spaces nor options.
- c. This Preface and the footnotes or notes in italics included in the Invitation to Bid, BDS, General Conditions of Contract, Special Conditions of Contract, Specifications, Drawings, and Bill of Quantities

are not part of the text of the final document, although they contain instructions that the Procuring Entity should strictly follow.

- d. The cover should be modified as required to identify the Bidding Documents as to the names of the Project, Contract, and Procuring Entity, in addition to date of issue.
- e. Modifications for specific Procurement Project details should be provided in the Special Conditions of Contract as amendments to the Conditions of Contract. For easy completion, whenever reference has to be made to specific clauses in the Bid Data Sheet or Special Conditions of Contract, these terms shall be printed in bold typeface on Sections I (Instructions to Bidders) and III (General Conditions of Contract), respectively.
- f. For guidelines on the use of Bidding Forms and the procurement of Foreign-Assisted Projects, these will be covered by a separate issuance of the Government Procurement Policy Board.

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Glossary of Terms, Abbreviations, and Acronyms

ABC - Approved Budget for the Contract.

ARCC - Allowable Range of Contract Cost.

BAC - Bids and Awards Committee.

Bid - A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

Bidder - Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

Bidding Documents - The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

BIR - Bureau of Internal Revenue.

BSP - Bangko Sentral ng Pilipinas.

CDA - Cooperative Development Authority.

Consulting Services - Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP 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. (2016 revised IRR, Section 5[i])

Contract - Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

Contractor - is a natural or juridical entity whose proposal was accepted by the Procuring Entity and to whom the Contract to execute the Work was awarded.

Contractor as used in these Bidding Documents may likewise refer to a supplier, distributor, manufacturer, or consultant.

CPI - Consumer Price Index.

DOLE - Department of Labor and Employment.

DTI - Department of Trade and Industry.

Foreign-funded Procurement or Foreign-Assisted Project - Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

GFI - Government Financial Institution.

GOCC - Government-owned and/or -controlled corporation.

Goods - Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term "related" or "analogous services" shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GOP - Government of the Philippines.

Infrastructure Projects - Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs - Local Government Units.

NFCC - Net Financial Contracting Capacity.

NGA - National Government Agency.

PCAB - Philippine Contractors Accreditation Board.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project - refers to a specific or identified procurement covering goods, infrastructure project or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA - Philippine Statistics Authority.

SEC - Securities and Exchange Commission.

SLCC - Single Largest Completed Contract.

UN - United Nations.

Section I. Invitation to Bid



Invitation to Bid for
Implementation of Rizal Park Complex Comprehensive Tourism Plan
(Improvement of Roads and Paths at Central Section, Rizal Park), Phase II
NPDC-2024-EPA-ITB-007

1. The **National Parks Development Committee** through the **National Expenditure Program FY 2025** intends to apply the sum of **Twenty-Eight Million One Hundred Twenty-Three Thousand, Three Pesos and 56/100 Only (PhP 28,123,003.56)** for **Implementation of Rizal Park Complex Comprehensive Tourism Plan (Improvement of Roads and Paths at Central Section, Rizal Park), Phase II / NPDC-2024-EPA-ITB-007**. Bids received in excess of the ABC shall be automatically rejected at bid opening.
2. The **National Parks Development Committee** now invites bids for the above Procurement Project. Completion of the Works is required **Two Hundred Forty (240) Calendar Days**. Bidders should have completed a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
3. All values indicated on the cost breakdown must be rounded off to two decimal places including the total bid offer.
4. Bidding will be conducted through open competitive bidding procedures using non-discretionary "*pass/fail*" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
5. Interested bidders may obtain further information from **National Parks Development Committee** and inspect the Bidding Documents at the address given below from **8:00 AM to 5:00 PM**.
6. A complete set of Bidding Documents may be acquired by interested bidders on **11 November 2024** from given address and website(s) 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 **Twenty-Five Thousand Pesos (PhP 25,000.00)**. The Procuring Entity shall allow the bidder to present its proof of payment for the fees in person.
7. The **National Parks Development Committee** will hold a Pre-Bid Conference on **Wednesday, 20 November 2024, 11:00 AM** at **The Gallery, Rizal Park Luneta, Ermita, Manila** which shall be open to prospective bidders.
8. Bids must be duly received by the BAC Secretariat through manual submission at the office address as indicated below, on or before **Tuesday, 03 December 2024,**

10:00 AM at the Lobby, NPDC Office at the Old Planetarium, Padre Burgos Ave., Ermita, Manila. Late bids shall not be accepted.

9. All bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 16.
10. Bid opening shall be on **Tuesday, 03 December 2024, 11:00 AM** at the **The Gallery, Rizal Park Luneta, Ermita, Manila**. Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
11. Bids shall be prepared in one (1) original and five (5) copies using the appropriate Bid forms provided in Section VIII of the Bidding Documents furnished in strict compliance to the requirements of RA 9184. Any erasure, correction, or changes shall be initialed by the bidder or his authorized representative. All pages must be signed on the space provided for. Any unsigned page of the bidder's tender shall be a ground for disqualification.
12. The award of contract for Procurement Projects undertaken through EPA may be made only upon the following conditions and shall be in accordance with Item 7 of Appendix 31 of the 2016 revised IRR of RA 9184:
 - (i) approval and effectivity of the funding sources, to wit: (i) General Appropriations Act; (ii) Corporate Budget; (iii) Appropriations Ordinance; or (iv) loan agreement in the case of FAPs; or
 - (ii) the reenactment of the previous year's budget which constitutes the current year's authorized budget, when authorized by the Constitution, law or rules
13. The **National Parks Development Committee** 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 Sections 35.6 and 41 of the 2016 revised Implementing Rules and Regulations (IRR) of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
14. For further information, please refer to:

BEO RAVEN V. BENSURTO

Head, NPDC-BAC Secretariat
National Parks Development Committee
NPDC Office, Padre Burgos St., Ermita, Manila
(02) 8880-4895
bac@npdc.gov.ph/bvbensurto@npdc.gov.ph

15. You may visit the following websites for downloading of Bidding Documents:
www.npdc.gov.ph / <https://www.philgeps.gov.ph>

08 November 2024

(SGD.)

FLORIZZA P. BUCLATIN

NPDC-BAC Chairperson

Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, **National Parks Development Committee** invites Bids for the **Implementation of Rizal Park Complex Comprehensive Tourism Plan (Improvement of Roads and Paths at Central Section, Rizal Park), Phase II**, a Project under Early Procurement Activity with Project Identification Number **NPDC-2024-EPA-ITB-007**.

The Procurement Project (referred to herein as "Project") is for the construction of Works, as described in Section VI (Specifications).

2. Funding Information

2.1. The GOP through the source of funding as indicated below for **2025** in the amount of **Twenty-Eight Million One Hundred Twenty-Three Thousand, Three Pesos and 56/100 Only (PhP 28,123,003.56)**

2.2. The source of funding is:

a. National Expenditure Program FY 2025.

3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manual and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or invitation to bid by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have inspected the site, determined the general characteristics of the contracted Works and the conditions for this Project, such as the location and the nature of the 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 and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

4. Corrupt, Fraudulent, Collusive, Coercive, and Obstructive Practices

The Procuring Entity, as well as the Bidders and Contractors, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex "I" of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

- 5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. The Bidder must have an experience of having completed a Single Largest Completed Contract (SLCC) that is similar to this Project, equivalent to at least fifty percent (50%) of the ABC adjusted, if necessary, by the Bidder to current prices using the PSA's CPI, except under conditions provided for in Section 23.4.2.4 of the 2016 revised IRR of RA No. 9184.

A contract is considered to be "similar" to the contract to be bid if it has the major categories of work stated in the **BDS**.

- 5.3. For Foreign-funded Procurement, the Procuring Entity and the foreign government/foreign or international financing institution may agree on another track record requirement, as specified in the Bidding Document prepared for this purpose.
- 5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.2 of the 2016 IRR of RA No. 9184.

6. Origin of Associated Goods

There is no restriction on the origin of Goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN.

7. Subcontracts

- 7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than fifty percent (50%) of the Project.
 - a. Subcontracting is not allowed.
- 7.2. Subcontracting of any portion of the Project does not relieve the Contractor of any liability or obligation under the Contract. The Supplier will be responsible for the acts, defaults, and negligence of

any subcontractor, its agents, servants, or workmen as fully as if these were the Contractor's own acts, defaults, or negligence, or those of its agents, servants, or workmen.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time and at its physical address as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents Comprising the Bid: Eligibility and Technical Components

- 10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.
- 10.2. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which 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. For Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.
- 10.3. A valid special PCAB License in case of Joint Ventures, and registration for the type and cost of the contract for this Project. Any additional type of Contractor license or permit shall be indicated in the **BDS**.
- 10.4. A List of Contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen) assigned to the contract to be bid, with their complete qualification and experience data shall be provided. These key personnel must meet the required minimum years of experience set in the **BDS**.

- 10.5. A List of Contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership, certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be, must meet the minimum requirements for the contract set in the **BDS**.

11. Documents Comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section IX. Checklist of Technical and Financial Documents**.
- 11.2. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.3. For Foreign-funded procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Alternative Bids

Bidders shall submit offers that comply with the requirements of the Bidding Documents, including the basic technical design as indicated in the drawings and specifications. Unless there is a value engineering clause in the **BDS**, alternative Bids shall not be accepted.

13. Bid Prices

All bid prices for the given scope of work in the Project as awarded shall be considered as fixed prices, and therefore not subject to price escalation during contract implementation, except under extraordinary circumstances as determined by the NEDA and approved by the GPPB pursuant to the revised Guidelines for Contract Price Escalation guidelines.

14. Bid and Payment Currencies

- 14.1. Bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.
- 14.2. *Payment of the contract price shall be made in:*
- a. Philippine Pesos.

15. Bid Security

- 15.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 15.2. The Bid and bid security shall be valid until **One Hundred Twenty (120) calendar days**. Any bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

16. Sealing and Marking of Bids

Each Bidder shall submit one copy of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission to the given website or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

17. Deadline for Submission of Bids

The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

18. Opening and Preliminary Examination of Bids

- 18.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

18.2. The preliminary examination of Bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

19. Detailed Evaluation and Comparison of Bids

19.1. The Procuring Entity's BAC shall immediately conduct a detailed evaluation of all Bids rated "*passed*" using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of 2016 revised IRR of RA No. 9184.

19.2. If the Project allows partial bids, all Bids and combinations of Bids as indicated in the **BDS** shall be received by the same deadline and opened and evaluated simultaneously so as to determine the Bid or combination of Bids offering the lowest calculated cost to the Procuring Entity. Bid Security as required by **ITB** Clause 15 shall be submitted for each contract (lot) separately.

19.3. In all cases, the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184 must be sufficient for the total of the ABCs for all the lots participated in by the prospective Bidder.

20. Post Qualification

Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder 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**.

21. Signing of the Contract

The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.

Section III. Bid Data Sheet

Bid Data Sheet

ITB Clause										
5.2	<p>For this purpose, contracts similar to the Project refer to contracts which have the same major categories of work, which shall be:</p> <p>a. Road Concreting Works</p> <p>Completed within ten (10) years upon submission of the bid.</p>									
7.1	Not allowed.									
10.3	PCAB Contractors License Small B, Category C and D									
10.4	<p>The key personnel must meet the required minimum years of experience set below:</p> <table><tr><td><u>Key Personnel</u></td><td><u>General Experience</u></td><td><u>Relevant Experience</u></td></tr><tr><td>Civil Engineer/Architect</td><td>Five (5) Years</td><td>Road Concreting Works</td></tr></table>	<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>	Civil Engineer/Architect	Five (5) Years	Road Concreting Works			
<u>Key Personnel</u>	<u>General Experience</u>	<u>Relevant Experience</u>								
Civil Engineer/Architect	Five (5) Years	Road Concreting Works								
10.5	<p>The minimum major equipment requirements are the following:</p> <table><tr><td><u>Equipment</u></td><td><u>Capacity</u></td><td><u>Number of Units</u></td></tr><tr><td>Backhoe with Breaker (owned) (Truck-mounted or with rubber pads)</td><td>0.8 cu.m</td><td>One (1) unit</td></tr><tr><td>Dump Truck</td><td>12 cu.yd</td><td>One (1) unit</td></tr></table>	<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>	Backhoe with Breaker (owned) (Truck-mounted or with rubber pads)	0.8 cu.m	One (1) unit	Dump Truck	12 cu.yd	One (1) unit
<u>Equipment</u>	<u>Capacity</u>	<u>Number of Units</u>								
Backhoe with Breaker (owned) (Truck-mounted or with rubber pads)	0.8 cu.m	One (1) unit								
Dump Truck	12 cu.yd	One (1) unit								
12	Not applicable.									
15.1	<p>The bid security shall be in the form of a Bid Securing Declaration or any of the following forms and amounts:</p> <p>a. The amount of not less than PhP 562,460.07, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit;</p> <p>b. The amount of not less than PhP 1,406,150.18 if bid security is in Surety Bond.</p>									
19.2	N/A									
20	<p>1. If sole proprietorship, DTI Registration certified by DTI; If partnership, SEC Certification of Registration and Articles of Partnership, and List of Partners; If corporation, SEC Certification of Registration and Articles of Incorporation; If joint venture, copy of Joint Venture Agreement certified by SEC; and, if cooperative, Certificate of Registration with the Cooperative Development Authority and Copy of Articles of Cooperation;</p>									

	<p>2. Copy of the Bidder's Current Business license and permit certified by the issuing office;</p> <p>3. BIR Registration Certificate and valid BIR Tax Clearance;</p>
21	Additional contract documents relevant to the Project that may be required by existing laws and/or the Procuring Entity, such as construction schedule and S-curve, manpower schedule, construction methods, equipment utilization schedule, construction safety and health program approved by the DOLE, and other acceptable tools of project scheduling.

Section IV. General Conditions of Contract

1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

2. Sectional Completion of Works

If sectional completion is specified in the **Special Conditions of Contract (SCC)**, references in the Conditions of Contract to the Works, the Completion Date, and the Intended Completion Date shall apply to any Section of the Works (other than references to the Completion Date and Intended Completion Date for the whole of the Works).

3. Possession of Site

3.1 The Procuring Entity shall give possession of all or parts of the Site to the Contractor based on the schedule of delivery indicated in the **SCC**, which corresponds to the execution of the Works. If the Contractor suffers delay or incurs cost from failure on the part of the Procuring Entity to give possession in accordance with the terms of this clause, the Procuring Entity's Representative shall give the Contractor a Contract Time Extension and certify such sum as fair to cover the cost incurred, which sum shall be paid by Procuring Entity.

3.2 If possession of a portion is not given by the above date, the Procuring Entity will be deemed to have delayed the start of the relevant activities. The resulting adjustments in contract time to address such delay may be addressed through contract extension provided under Annex "E" of the 2016 revised IRR of RA No. 9184.

4. The Contractor's Obligations

The Contractor shall employ the key personnel named in the Schedule of Key Personnel indicating their designation, in accordance with **ITB** Clause 10.3 and specified in the **BDS**, to carry out the supervision of the Works.

The Procuring Entity will approve any proposed replacement of key personnel only if their relevant qualifications and abilities are equal to or better than those of the personnel listed in the Schedule.

5. Performance Security

- 5.1. 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 successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR.
- 5.2. The Contractor, by entering into the Contract with the Procuring Entity, acknowledges the right of the Procuring Entity to institute action pursuant to RA No. 3688 against any subcontractor be they an individual, firm, partnership, corporation, or association supplying the Contractor with labor, materials and/or equipment for the performance of this Contract.

6. Site Investigation Reports

The Contractor, in preparing the Bid, shall rely on any Site Investigation Reports referred to in the **SCC** supplemented by any information obtained by the Contractor.

7. Warranty

- 7.1. In case the Contractor fails to undertake the repair works under Section 62.2.2 of the 2016 revised IRR, the Procuring Entity shall forfeit its performance security, subject its property(ies) to attachment or garnishment proceedings, and perpetually disqualify it from participating in any public bidding. All payables of the GOP in his favor shall be offset to recover the costs.
- 7.2. The warranty against Structural Defects/Failures, except that occasioned-on force majeure, shall cover the period from the date of issuance of the Certificate of Final Acceptance by the Procuring Entity. Specific duration of the warranty is found in the **SCC**.

8. Liability of the Contractor

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

If the Contractor is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.

9. Termination for Other Causes

Contract termination shall be initiated in case it is determined *prima facie* by the Procuring Entity that the Contractor has engaged, before, or during the implementation of the contract, in unlawful deeds and behaviors relative to contract acquisition and implementation, such as, but not limited to corrupt, fraudulent, collusive, coercive, and obstructive practices as stated in **ITB** Clause 4.

10. Dayworks

Subject to the guidelines on Variation Order in Annex "E" of the 2016 revised IRR of RA No. 9184, and if applicable as indicated in the **SCC**, the Dayworks rates in the Contractor's Bid shall be used for small additional amounts of work only when the Procuring Entity's Representative has given written instructions in advance for additional work to be paid for in that way.

11. Program of Work

- 11.1. The Contractor shall submit to the Procuring Entity's Representative for approval the said Program of Work showing the general methods, arrangements, order, and timing for all the activities in the Works. The submissions of the Program of Work are indicated in the **SCC**.
- 11.2. The Contractor shall submit to the Procuring Entity's Representative for approval an updated Program of Work at intervals no longer than the period stated in the **SCC**. If the Contractor does not submit an updated Program of Work within this period, the Procuring Entity's Representative may withhold the amount stated in the **SCC** from the next payment certificate and continue to withhold this amount until the next payment after the date on which the overdue Program of Work has been submitted.

12. Instructions, Inspections and Audits

The Contractor shall permit the GOP or the Procuring Entity to inspect the Contractor's accounts and records relating to the performance of the Contractor and to have them audited by auditors of the GOP or the Procuring Entity, as may be required.

13. Advance Payment

The Procuring Entity shall, upon a written request of the Contractor which shall be submitted as a Contract document, make an advance payment to the

Contractor in an amount not exceeding fifteen percent (15%) of the total contract price, to be made in lump sum, or at the most two installments according to a schedule specified in the **SCC**, subject to the requirements in Annex "E" of the 2016 revised IRR of RA No. 9184.

14. Progress Payments

The Contractor may submit a request for payment for Work accomplished. Such requests for payment shall be verified and certified by the Procuring Entity's Representative/Project Engineer. Except as otherwise stipulated in the **SCC**, materials and equipment delivered on the site but not completely put in place shall not be included for payment.

15. Operating and Maintenance Manuals

- 15.1. If required, the Contractor will provide "as built" Drawings and/or operating and maintenance manuals as specified in the **SCC**.
- 15.2. If the Contractor does not provide the Drawings and/or manuals by the dates stated above, or they do not receive the Procuring Entity's Representative's approval, the Procuring Entity's Representative may withhold the amount stated in the **SCC** from payments due to the Contractor.

Section V. Special Conditions of Contract

Special Conditions of Contract

GCC Clause	
2	Sectional completion is <i>not applicable</i> .
4.1	Upon the effectivity of the contract, the site can be accessed by the winning contractor for preliminary works.
6	The site investigation reports are: <i>Not applicable</i> .
7.2	One (1) year.
10	No dayworks are applicable to the contract.
11.1	The Contractor shall submit the Program of Work to the Procuring Entity's Representative within ten (10) calendar days of delivery of the Notice of Award.
11.2	<i>Not applicable</i>
13	The amount of the advance payment is equivalent to 15% of the contract amount awarded to the winning contractor.
14	<i>Not allowed</i>
15.1	The date by which "as built" drawings are required is ten (10) calendar days after the completion of the project.
15.2	The amount to be withheld for failing to produce "as built" drawings and/or operating and maintenance manuals by the date required is equivalent to 1/10 of 1% of the contract amount per day of delay after the lapse of 10 calendar days.

Section VI. Specifications

Specifications of the Project are attached as Annex 1

Section VII. Drawings

Please refer to the attached drawings/plans (Annex 2) of the Project

Section VIII. Bill of Quantities

Please refer to the attached Annex (Annex 3) of the Project

Section IX. Checklist of Technical and Financial Documents

Checklist of Technical and Financial Documents

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

- ☐ (a) Valid PhilGEPS Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the IRR;

Technical Documents

- ☐ (b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid; **and**
- ☐ (c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid, except under conditions provided under the rules; **and**
- ☐ (d) Special PCAB License in case of Joint Ventures **and** registration for the type and cost of the contract to be bid; **and**
- ☐ (e) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission **or** original copy of Notarized Bid Securing Declaration; **and**
- ☐ (f) Project Requirements, which shall include the following:
 - ☐ a. Organizational chart for the contract to be bid;
 - ☐ b. List of contractor's key personnel (e.g., Project Manager, Project Engineers, Materials Engineers, and Foremen), to be assigned to the contract to be bid, with their complete qualification and experience data;
 - ☐ c. List of contractor's major equipment units, which are owned, leased, and/or under purchase agreements, supported by proof of ownership or certification of availability of equipment from the equipment lessor/vendor for the duration of the project, as the case may be; **and**
- ☐ (g) Original duly signed Omnibus Sworn Statement (OSS) **and** if applicable, Original Notarized Secretary's Certificate in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and

authority to its officer to sign the OSS and do acts to represent the Bidder.

Financial Documents

- ☐ (h) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC).

Class "B" Documents

- ☐ (i) If applicable, duly signed joint venture agreement (JVA) in accordance with RA No. 4566 and its IRR in case the joint venture is already in existence **or** duly notarized statements from all the potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

II. FINANCIAL COMPONENT ENVELOPE

- ☐ (j) Original of duly signed and accomplished Financial Bid Form; **and**

Other documentary requirements under RA No. 9184

- ☐ (k) Original of duly signed Bid Prices in the Bill of Quantities; **and**
- ☐ (l) Duly accomplished Detailed Estimates Form, including a summary sheet indicating the unit prices of construction materials, labor rates and equipment rentals used in coming up with the Bid; **and**
- ☐ (m) Cash Flow by Quarter.

ANNEX 1

CONSTRUCTION SPECIFICATIONS

ITEM 801 - REMOVAL OF STRUCTURES AND OBSTRUCTIONS

801.1 Description

This item shall consist of the removal wholly or in part, and satisfactory disposal of all buildings, fences, structures, old pavements, abandoned pipe lines, and any other obstructions which are not designated or permitted to remain, except for the obstructions to be removed and disposed off under other items in the Contract. It shall also include the salvaging of designated and backfilling the resulting trenches, holes, and pits.

801.2 Construction Requirements

801.2.1 General

The Contractor shall perform the work described above, within and adjacent to the construction site, on Government land or easement, as shown on the Plans or as directed by the Engineer.

All salvable material shall be removed, without unnecessary damage, in sections or pieces which may be readily transported, and shall be stored by the Contractor at specified places on the project or as otherwise shown in the Special Provisions. Salvaged material which are damaged thru negligence shall replace or restored at the Contractor's expense.

Waste material may be disposed of by the contractor in Government-owned sites as shown in the Special Provision or permitted by the Engineer. Otherwise, the Contractor at specified places on the project or as otherwise the Contractor shall arrange disposal of waste at no expense to the Government and shall be in accordance with the requirements for disposal site selection and hauling activity stipulated in the Contract.

Perishable material shall be handled as designated in Subsection 800.2.2, Clearing and Grubbing of Item 800, Clearing and Grubbing. Nonperishable material may be disposed of outside the limits of view from the project with written permission of the property owner on whose property the material is placed.

Copies of All agreements with property owners shall be furnished to the Engineer. Basements or cavities left by the structure removal shall be filled with acceptable material, approved by the Engineer, to the level of the surrounding ground and, if within the prism of construction, shall be compacted to the required density.

There shall be no separate payment for excavating for the removal of structures and obstructions, or for filling and compacting the remaining cavity.

Structures that are designated to be relocated shall be moved to a new location specified by the Engineer and shall be restored to its original condition with all connections properly made, all in accordance with the Contract and Plans.

101.2.4 Removal of Existing Pavement, Sidewalks, Curbs, Gutters and Similar Structures

All concrete pavement, base course, sidewalks, curbs, gutters, etc., designated for removal, shall be:

- (1) Broken into pieces and to be used for other structure project, subject for the approval of the Engineer
- (2) Broken into pieces, the size of which shall not exceed 300 mm in any dimension and stock piled at designated locations on the project for use by the Government, or
- (3) Otherwise demolished and disposed of as directed by the Engineer. When specified, ballast, gravel, bituminous materials or other surfacing or pavement materials shall be removed and stockpiled as required in Subsection 801.2.1, General, otherwise such materials shall be disposed of as directed.

Concrete Mix Design for Stamp Concrete

In freeze-thaw areas, the concrete mix design shall be a minimum 3,500 psi (24.5mpa), compressive strength shall be 3,500 psi (24.5mpa) at 28 days +. Portland Cement shall meet the requirements of ASTM-C 150. Cement content shall be 564 lbs./yd. (335 kg/m³), 1 bag fiber/yd (1 fiber bag/m³). Add Color as specified. Slump 4 inch + 1 inch (80/100mm), maximum water-cement ratio shall be .44 by weight. Coarse aggregate shall be in accordance with ASTM C 33 size 3/4" minus aggregate (14mm). Air-Entrainment 7% (+/- 1%) while using Integral Color, or 3% (+/-1%) using Color Hardeners.

In non-freeze areas the concrete mix design shall be a minimum 3,000 psi (24.5mpa), compressive strength shall be 3,000 psi (24.5mpa) at 28 days +. Portland Cement shall meet the requirements of ASTM-C 150. Cement content shall be 517 lbs./yd. (280 kg/m³), 1 bag fiber/yd. (1 bag fiber/m³). Add Color as specified. Slump 4 inch + 1 inch (80/100mm), maximum water-cement ratio shall be .44 by weight. Coarse aggregate shall be in accordance with ASTM C 33 size 3/4" minus aggregate (14mm), Air-Entrainment 7% (+/- 1%) while using Integral Color, or 3% (+/-1%) using Color Hardeners.

Stampcrete contractors are independent companies and bear full responsibility for their workmanship. Stampcrete International, Ltd. assumes no liability for the workmanship done by any contractor using Stampcrete products.

STAMPED CONCRETE PAVING INSTALLATION

1. Apply 2/3 of dry-shake colored hardener at specified application rate to freshly floated concrete surface. Bleed water must not be present during or following application of first and second dry-shake applications.
2. Do not throw dry-shake colored hardener material; distribute evenly by hand or mechanical spreader designed to apply floor hardeners. Mechanical spreader manufacturer as acceptable to stamped concrete paving manufacturer.
3. As soon as dry-shake material has absorbed moisture, indicated by uniform darkening of surface, mechanically float concrete surface a second time, just enough to bring moisture from base slab through dry-shake color hardener.
4. Immediately following second floating, apply remaining 1/3 of dry-shake colored hardener at specified application rate. If applied by hand, broadcast in opposite direction of first application for a more uniform coverage. If a mechanical spreader is used, apply in same manner as previously described.
5. As soon as dry-shake material has absorbed moisture, mechanically float concrete surface a third time.
6. Do not add water to the surface.
7. Begin imprinting operations immediately after applying dry-shake colored hardener, according to manufacturer's written instructions, including application of powder antiquing release agent.

ITEM 1018 - CERAMIC AND GRANITE TILES

1018.1 Description

This item shall consist of furnishing and installing ceramic and granite tiles materials including cementitious/adhesive materials, tools and equipment including labor required in the proper installation of floor, wall and countertop as shown on the Plans and in accordance with this specification.

1018.2 Materials Requirements

1018.2.1 Ceramic Tiles

Ceramic Tiles are thin slabs made from clays and/or other organic raw materials, generally used as coverings for floors and walls, usually shaped by extruding, pressing at room temperature but may be formed by other processes, then dried and subsequently fired at temperatures sufficient to develop the required properties. Ceramic tiles can be classified as glazed or unglazed.

All ceramic tiles shall be sound, durable, and free of spalls, cracks, open seams, pits, or other defects, which may impair its structural integrity or function. Table 1018.1 shows the

required test methods for ceramic tiles. Texture finish and color shall be within the range of samples approved by the Engineer.

Table 1018.1 Physical Tests for Ceramic Tiles

Physical Property	Test Method	Description
Abrasion Resistance Glazed	ASTM C1027	Standard Test Method for Determining Visible Abrasion Resistance of Glazed Ceramic Tile
	ISO 10545-7	Determination of Resistance to Surface Abrasion of Glazed Tiles
Abrasion Resistance through body	ISO 10545-6	Ceramic Tiles – Part 6: Determination of Resistance to Deep Abrasion for Unglazed Tiles
Water Absorption	ASTM C373	Standard Test Methods for Determination of Water Absorption and Associated Properties by Vacuum Method for Pressed Ceramic Tiles and Glass Tiles and Non-tile Fired Ceramic Whiteware Products
	ISO 10545-3	Determination of Water Absorption, Apparent Porosity, Apparent Relative Density and Bulk Density
Chemical Resistance	ASTM C650	Standard Test Method for Resistance of Ceramic Tile to Chemical Substances
	ISO 10545-13	Determination of Chemical Resistance
Break Strength	ASTM C648	Standard Test Method for Resistance for Breaking Strength of Ceramic Tile
	ISO 10545-4	Determination of Modulus Rupture and Breaking Strength
Stain Resistance	ASTM C1378	Standard Test Method for Determination of Resistance to Staining
	ISO 10545-14	Determination of resistance to stains

1018.2.1.1 Glazed Tiles and Trims

Glazed tiles and trims shall have an impervious face of ceramic materials fused onto the body of the tiles. The glazed surface may be clear white or colored depending on the color scheme approved by the Engineer. Standard glazes may be bright (glossy), semi-matte (less glossy), matte (dull) or crystalline (mottled and textured; good resistance to abrasion). Glazed tiles are used principally for walls; crystalline glazed tiles may be used for floors provided however that these are used as light duty floors.

1018.2.1.2 Unglazed Tiles

Unglazed tiles shall be hard dense tile of homogeneous composition. Its color and characteristics are determined by the materials used in the body, the method of manufacture and the thermal treatment. It is used primarily for floors and walks.

1018.2.1.3 Trims

Trims are manufacture to match wall tile color, texture and to coordinate with it in dimension. These are shaped in various ceramic trim units such as caps, bases, coves, bullnoses, corners, angles and others that are necessary for edging or making a transition between intersecting planes.

1018.2.2 Granite Tiles

Granite tiles shall conform to the applicable requirements of ASTM C615M, Standard Specification for Granite Dimension Stone, for material characteristics, physical requirements, and sampling for section of granite.

All granite shall be sound, durable, and free of spalls, cracks, open seams, pits, or other defects, which may impair its structural integrity of function. Color or other visual characteristics indigenous to the particular material and adequately demonstrated in the sampling or mock-up phases will be accepted provided they do not compromise the structural or durability capabilities of the material. Texture and finish shall be within the range of samples approved by the Engineer. Table 1018.2 shows that the required test methods for granite tiles.

Table 1018.2 Physical Tests for Granite Tiles

Physical Property	Test Method	Description
Absorption by weight	ASTM C97M	Standard Test Methods for Absorption and Bulk Specific Gravity of Dimension Stone
Density	ASTM C97M	Standard Test Methods for Absorption and Bulk Specific Gravity of Dimension Stone
Compressive Strength	ASTM C170M	Standard Test Methods for Compressive Strength of Dimension Stone
Modulus of Rupture	ASTM C99M	Standard Test Methods for Modulus of Rupture of Dimension Stone
Abrasion Resistance	ASTM C241M	Standard Test Methods for Abrasion Resistance of Stone Subjected to Foot Traffic
	ASTM C1353	Standard Test Methods for Abrasion Resistance of Dimension Stone Subjected to Foot Traffic using a Rotary Platform Abraser
Flexural Strength	ASTM C880M	Standard Test Methods for Flexural Strength of Dimension Stone

Finishes of Granite Tiles:

1. Polish - Highly reflective, mirror gloss finish, shows full color depth and crystal structure of the stone.
2. Hone - Smooth, satin surface without reflection; shows full color of the stone.
3. Thermal - Slip-resistance, rough-textured surface.
4. Sandblast - Highly slip resistant; slightly rough textured surface.

1018.2.3 Synthetic Granite Tiles

Synthetic granite tiles are manufactured solid surface that are made of man-made materials most often acrylic, polyester resins, marble dust and other pigment, all blended and heated together.

All synthetic granite tiles shall be sound, durable, and free of spalls, cracks, open seams, pits, or other defects, which may impair its structural integrity of function. Texture, finish and color shall be within the range of samples approved by the Engineer.

1018.2.4 Accessories

Tile accessories such as round edge ceramic tiles, cove tiles, step treads and nosing to stairs, landings, and thresholds, skirting, sills, copings, and bath vents, shall match the composition, color and finish of the surrounding tiles.

1018.2.5 Mortar Materials**1018.2.5.1 Portland Cement**

Portland Cement shall comply with the applicable requirements of AASHTO M85, Standard Specification for Portland Cement (ASTM C510M).

1018.2.5.2 Sand

Sand shall be well graded fine aggregate clean river sand, free from soluble salts and organic impurities.

1018.2.5.3 Lime

It shall be hydrated lime with free unhydrated oxide and magnesium oxide content not to exceed 8% by weight.

1018.2.6 Grouting Materials**1018.2.6.1 Sand-Portland Cement Grout**

Sand-Portland cement grout is used with ceramic mosaic, quarry and paver tiles on floors and walls. Damp curing is necessary.

An on-the-job mixture of one (1) part Portland Cement to one (1) part of sand shall be used for joints up to 4.23 mm wide; one (1) part cement and two (2) parts sand for joints up to 12.70 mm wide; and one (1) part cement and three (3) parts sand for joints over 12.70 mm wide. Up to 1/5 part lime may be added.

1018.2.6.2 Standard Cement Grout

Standard Cement Grout shall be factory prepared mixture of cement, graded sand, and other ingredients to produce a water-resistant, dense, uniformly colored material, meant for joints of 3.18 mm width or greater.

1018.2.6.3 Standard Unsanded Cement Grout

It shall be a factory prepared mixture of cement and additive that provides water retentivity, meant for joints 3.18 mm wide or less.

1018.3 Construction Requirements

Tile work shall not be started until roughing-ins for plumbing, electrical and other trades have been completed and tested. The work of all other trades shall be protected from damage.

1018.3.1 Setting Materials

1. Wall Tiling. A mix of one (1) part of cement and four (4) parts of sand backing of 10 mm thick shall be laid as base for wall tiling. The surface of backing shall be scratched in an approved manner, when completely set to form key. The surface of the backing shall be well wetted before the tiling is applied and same shall be cured for 5 days before tiling starts. Tiles shall be fixed using the appropriate adhesive.
2. Floor Tiling. The Contractor shall either bed the tiles using cement/sand mortar with ratio of 1:3 and 20 mm thick or lay the tiles on screed using the appropriate adhesive.

1018.3.2 Substrates Preparation

1. With the installer present, substrates and areas where tiles are to be installed shall be examined, for compliance with requirements for installation tolerances and other conditions affecting performance of installed tile.
 - a. Substrates for setting tile shall be firm, dry, clean and free from oil or waxy films and curing compounds.
 - b. Installation of grounds, anchors, recessed frames, electrical and mechanical units of work, and similar items located in or behind the tile shall be completed before installation of tile.
2. Substrate Levels shall consider the following allowable variations:
 - a. For tiles with all edges shorter than 380 mm, the maximum allowable variation is no more than 6 mm in 3 m and no more than 1.6 mm in 0.3 m from the required plane, when measured from the high points in the surface.
 - b. For tiles with at least one (1) edge is 380 mm or longer, the maximum allowable variation is no more than 3 mm in 3 m and no more than 1.6 mm in 0.6 m from required plane, when measured from the high points in the surface.

3. For thin set work, the variation can be no more than 1.6 mm in 1 m with no abrupt irregularities greater than 0.80 mm.
4. Concrete, masonry and plaster substrates shall be grinded or filled as required to comply with allowable variations. For fill and underlayment of concrete, masonry and plaster substrates, one (1) part Portland cement, three (3) parts sand and sufficient mortar admixture, if needed, shall be utilized to provide workable mortar mix.
5. Substrates and adjoining construction, and the conditions under which the work will be installed, shall be examined. Before proceeding with the work, all unsatisfactory condition detrimental to the proper completion of the work should be corrected.

1018.3.3 General Installation

1018.3.3.1 Floor

1. Installation of each material requirement shall be in accordance with the manufacturer's instructions.
2. Allowable Variations in Finished Work:
 - a. Floors: 3 mm in 2 m in any direction \pm 3 mm at any location; 0.8 mm offset at any location
 - b. Joints: \pm 0.8 mm joint with variation at any locations; 1.6 mm in 1 m deviation from plumb and true.
3. Tile work shall be laid out in pattern using field tile and trim shapes as shown on the Plans. Tiles fields shall be centered on both directions in each space or on each wall area, and shall be adjusted to minimize tile cutting. Uniform joint widths for ceramic tile and granite shall be used unless otherwise shown on the Plans or approved by the Engineer. Field tiles, not trim shapes shall be cut unless otherwise shown on the Plans.
4. Tile work shall be extended into recesses and under equipment and fixtures in the spaces shown on the Plans or scheduled to receive tiles. A complete covering without interruptions shall be formed except for control and expansion joints as shown on the Plans and as required to comply with disruption of pattern or joint alignments.
5. Liquid Latex Mortar Thin-Set Installation: Liquid latex mortar for thin-set tile work shall be used, unless otherwise shown on the Plans.
6. Work shall be neatly terminated at obstructions, edges, and corners without disrupting pattern or joint alignments.
7. Intersections and return shall be accurately formed. Cutting and drilling of tile shall be performed without damaging visible surfaces. Edges of tile abutting trim, finish or built-in items shall be carefully grind cut for straight aligned joints. Tiles shall be closely fit to electrical outlet, piping, fixtures, and other penetrations so that plates, collars, or covers overlap tile.
8. Joining Pattern: Unless otherwise shown on the Plans, tiles shall be laid in grid pattern. Joints when adjoining tiles on floor, base, walls, and trim of the same size shall be aligned. Tile work shall be laid out and tile fields shall be centered in both directions in each

space or on each wall area. Tile work shall be adjusted to minimize tile cutting. Uniform joint widths shall be provided unless otherwise shown on the Plans.

9. Tile lining shall be laid out to next full tile beyond dimensions indicated.

10. Control joints or expansion joints shall be provided where shown, or required on the Plans, or by job condition for proper workmanship. Removable divider strip of proper width and depth of the tile and setting bed shall be installed. Strips shall be removed after grouting tiles and properly curing the work. Joint fillers and sealants shall be installed in control joints and expansion joints, of type as recommended by the tiling manufacturer.

11. All floor tiling in water present areas such as bathrooms, washing area, kitchens, pantries and mechanical rooms shall be laid with a joint filing of approved polyurethane sealant.

12. For areas with ceramic tile flooring, a thick creamy slurry of neat white or tinted cement mixed with sufficient water shall be brushed over the floor until all joints are thoroughly filled. The surface of the floor shall be gently rubbed with a wood block to bring the surface to true planes. Excess slurry shall be removed, and the floor shall be rubbed with burlap to clean the tiles and finish of the joints to the satisfaction of the Engineer. Walking on tiles shall not be allowed for 5 days after laying and all completed tiled areas shall be protected to the satisfaction and approval of the Engineer.

13. Stamped Concrete can be installed two ways. First is full depth straight to finish Stamped Concrete. Has placed and compacted the gravel bed. We then install re-bar, place the forms and then install the concrete full depth. Once concrete is installed when then proceed with the process of installing color hardeners and stamping. When the concrete has cured the final step is addition of a sealer. The second method is to install the Stamped Concrete at a minimum of 50 mm deep over a existing concrete surface. This is the most common method utilized in the Philippines. The same steps are followed as explained above with the only change being the depth of the concrete is 50mm.

1018.3.3.2 Wall

1. Cement and sand (1:4) mix backing 10 mm thick shall be laid as base for wall tiling. The surface of the backing shall be scratched in an approved manner when completely set to form key. The surface of the backing shall be well wetted before the tiling is applied and same be cured before tiling starts.

2. Allowable Variations in Finished Work:

- a. Wall: 3mm in 2 m in any directions; ± 3 mm at any location; 0.8 mm offset at any location.
- b. Joints: ± 0.8 mm joint with variation at any locations; 1.6 mm in 1 m deviation from plumb and true.

3. Wall tiles and fittings shall be set in cement and sand mortar (1:4) mix, 6 mm thick to a true vertical face with continuous horizontal and vertical joints. Joints shall be straight, level, perpendicular and of even width not exceeding 1.5mm. The vertical joints shall be maintained plumb for the entire true level and place by tamping under a straight edge or rubber faced block. Misfits as well damaged or defective tiles shall be removed and replaced by and at the Contractor's expense.
4. Tile adhesive for wall tiles shall not be used without the approval of the Engineer.
5. The external and internal angles and side edges of glazed wall tiling shall be formed with angle beads. Whereas top edges of tiles shall be formed with rounded edges tiles. Joints shall match the general tiling and special fittings shall be used.
6. After edges of tiles have been thoroughly wet, joints in glazed wall tiles and fittings shall be grouted with a plastic mix of neat white or colored cement immediately after a suitable area of tile has been laid.
7. The joints shall be tooled slightly concave and the excess mortar shall be cut off and wiped off with a damp cloth from the face tile before it sets hard.
8. All special purpose wall tiles such as skirting tiles, single round edge, adjacent round edge, external round edge and the like, shall be used in wall cladding, shall be submitted for approval prior to commencement to work.
9. All service points in wall tiling shall be drilled holes in the tiles if they are located in the center of tiles.

1018.3.3.3 Countertop

1. Solid surfacing components shall be installed plumb, level, and true according to approved shop drawings and manufacturer's published installation instructions. Woodworking and specialized fabrication tools that are acceptable to the Engineer shall be used.
2. Joint seams shall be formed with specified seam adhesive. Seams shall be in locations as shown on approved shop drawings and acceptable to the Engineer. Excess adhesive shall be promptly removed.
3. A minimum radius of 13 mm shall be provided for countertop inside corners.
4. Gaps shall be filled between countertop and terminating substrates with appropriate sealant.
5. Rout sink cut-outs shall be in accordance to manufacturer's template. Solid surface cast sink units shall be installed to countertops with appropriate adhesive.

6. Backsplashes and end splashes shall be installed where indicated on drawings. Install countertops with appropriate adhesive.

7. Vanities: Front panels shall be secured to solid substrate with appropriate adhesive. A 5 mm gap shall be maintained between fixed and removable panels.

1018.3.4 Grouting and Pointing

1. Tiles shall have laid in place for at least 24 h before grouting of the joints is started. Grouting mortar shall be white Portland cement or blended with pigments to acquire the color appropriate for the ceramic tile.

2. Grouting mortar shall be applied over the tile by float or squeegee stroked diagonally across the joints. Excess mortar shall be removed with a wet sponge stroked diagonally or in a circular motion after 12 min to 15 min. A barely damp or dry sponge shall be used to remove remaining haze while smoothing all grouted joints.

1018.3.5 Cleaning

1. Tile surfaces shall be cleaned thoroughly as possible upon completion of grouting.
2. All grout haze shall be removed using the appropriate cleaner.
3. Tiles shall be thoroughly rinsed with clean water before and after using chemical cleaners.
4. Surface of tile shall be polished with soft cloth.

1018.3.6 Protection from Construction Dirt

1. A protective coat of neutral cleanser solution diluted with water in the proportion of 1:4 (1 L cleanser concentrate to 4 L of water) shall be applied.
2. In addition, tile flooring shall be covered with heavy-duty non-staining construction paper, taped in place. The protective paper shall not be torn or removed.
3. Just before final acceptance of the work, the protective paper shall be removed and the protective coat of neutral cleaner from tile surface shall be rinsed off.

1018.3.7 Quality Control

1. Each type and color of tile, mortar, adhesive and grout shall be obtained from a single source to minimize variations in appearance and quality.
2. Before installation of tiles, mock-ups shall be erected for each tile and finish required to verify selections made under sample submittals and to demonstrate aesthetic effects as well as qualities of material and execution. Mock-ups shall be built using materials indicated for final of work.

1018.3.8 Delivery, Storage and Handling

1. Packaged materials shall be delivered and stored in original containers with seals unbroken and labels intact ready for installation.
2. Damage or contamination of materials by water, foreign matter and other causes that may affect its appearance and quality shall be prevented.
3. Tiles and setting materials shall be stored on elevated platforms, under cover and in a dry location and protected from contamination, dampness, or overheating.

1018.4 Method of Measurement

All works performed under this Item shall be measured in square meters or lump sum for areas actually laid with ceramic or granite tiles and accepted to the satisfaction of the Engineer.

1018.5 Basis of Payment

The quantities measured as prescribed in Section 1018.4, Method of Measurement shall be based on the Unit Bid or Contract Unit Price which price and payment constitutes full compensation for furnishing all materials, labor, tools, equipment and other incidentals necessary to complete this Item.

Payment shall be made under:

Pay Item Number	Description	Unit of Measurement
1018 (1)	Glazed tiles and Trims	Square Meter
1018 (2)	Unglazed tiles	Square Meter
1018 (3)	Granite Tiles	Square Meter
1018 (4)	Synthetic Granite Tiles	Square Meter
1018 (5)	Glazed Tiles	Square Meter
1018 (6)	Textured Glazed Tiles	Square Meter
1018 (7)	Textured Unglazed Tiles	Square Meter
1018 (8)	Glazed Tiles and Trims	Lump Sum
1018 (9)	Unglazed Tiles	Lump Sum

I hereby certify to comply and deliver all the above requirements:

NAME OF BIDDER

SIGNATURE

DATE

ANNEX 3

Implementation of Rizal Park Complex Comprehensive Tourism Plan (Improvement of Roads and Paths at Central Section, Rizal Park), Phase II

Central Section, Rizal Park, Ermita, Manila

Mode of Implementation : **By Contract**

Contract Duration: **240 Calendar Days**

No.	Particulars	% Total	Qty.	Unit	Unit Cost	Amount
I.	Facilities for the Engineer					
1	Construction of Field Office for the Engineer		1.00	l.s		
II.	Other General Requirement					
1	COA Billboard		1.00	l.s		
2	Project Billboard		1.00	l.s		
3	Occupational Safety and Health Program		1.00	l.s		
4	Mobilization/Demobilization		1.00	l.s		
5	Testing and Commissioning (Slump Test, Compressive Strength) 3rd Party		1.00	l.s		
III.	Concrete Works					
1	Removal of Actual Structures/Obstruction 0.20 m thick PCCP (Reinforced)		8,769.85	sq.m		
2	Aggregate Base Course		438.49	cu.m		
3	Portland Cement Concrete Pavement (Unreinforced) 0.15m thick 7 days		8,598.33	sq.m		
4	Stamped Concrete Border		6,264.16	sq.m		

IV.	DRAINAGE WORKS					
1	Installation of New Grating Hot Dip Galvanized, complete with Frames and dowel bar and lateral ties (Grating Size 30 cm x 60 cm)		20.00	lm		
2	Proposed Trench Drain Cover (Lawn C)		229.03	lm		
3	Proposed Trench Drain Cover (Central Lagoon)		309.60	lm		
4	Proposed Drainage Line and Restoration of any damages (Lawn C)		229.03	lm		
5	Proposed Drainage Line and Restoration of any damages (Central Lagoon)		309.60	lm		
V.	OTHER WORKS					
1	Removal of Existing Trees (Central Lagoon & Lawn C)		9.25	sq.m		
2	Upgrading of Seat Planters (Flower Clock)		8.00	pcs		
3	Refurbishment of Planters Curbs (Flower Clock)		6.00	pcs		
4	Installation of Strip Light (Flower Clock)		161.99	lm		
5	Replanting of Green Grass (Central Lagoon)		256.32	sq.m		
VI	ELECTRICAL WORKS					
1	Construction of Electrical Manhole		24	pcs		
2	Laying of PVC Conduit Pipe (Red Orange)		997.78	lm		
3	Concrete Elevation of Nema 3R Enclosure 300MM height x 400mm width x 400mm length		7	pcs		
4	Electical Wiring and Installation and Cable Pulling		997.78	lm		
	Estimated Direct Cost					

Summary of Cost Estimate

1. Direct Cost

1.1 Cost of Materials

1.2 Cost of Labor

1.3 Cost of Equipment

Estimated Direct Cost

2. Indirect Cost

2.1 Overhaed,
Contigencies & Misc.
and Contractor's Profit

2.3 Value Added Tax

Estimated Indirect Cost

Total Estimated Project Cost

I hereby certify to comply and deliver all the above requirements:

NAME OF BIDDER

SIGNATURE

DATE