

## **TECHNICAL REQUIREMENTS**

### **1. PROJECT NAME:**

- 1.1. Procurement of Hosting Service for the Travel Philippine's mobile app

### **2. APPROVED BUDGET FOR THE CONTRACT (ABC):**

- 2.1. One Million Pesos only (P1,000,000.00)
- 2.2. Inclusive of all applicable fees and taxes

### **3. DELIVERABLES**

- 3.1. Six (6) Months of hosting services of the Travel Philippine's mobile app
- 3.2. Provide a deployment and migration plan
- 3.3. Provide access credentials to their server infrastructure for TPB to validate the Technical Specification requirement

### **4. BIDDER QUALIFICATIONS:**

- 4.1. Must be an IT Company operating for at least three (3) years, preferably in system integration.
- 4.2. Must provide a list of existing software applications available in the Play Store (Android) or App Store (iOS).
- 4.3. Must provide a list of existing live digital applications being used by organizations with the nationwide operation and be capable of working online and offline.
- 4.4. Must provide updated accreditation certificate of Cybersecurity Assessment provider for Vulnerability Assessment / Penetration Testing (VAPT) from Department of Information and Communications Technology (DICT) (may also provide on-process of accreditation renewal).

### **5. MINIMUM REQUIRED TECHNICAL SPECIFICATIONS**

#### **5.1. HARDWARE REQUIREMENTS**

- 5.1.1. vCPUs per instance: 2
- 5.1.2. RAM per instance: 4GBRadio 2: 5GHz 11ax, 2x2 MIMO
- 5.1.3. Number of instances: 2
- 5.1.4. Alfresco
- 5.1.5. vCPUs per instance: 2
- 5.1.6. RAM per instance: 8GB
- 5.1.7. Number of instances: 2

## 5.2. **Software Requirements (Frontend)**

- 5.2.1. Ionic (Angular) Version 5.4.16
- 5.2.2. Keycloak Version 5.0.0
- 5.2.3. Node Version 13.14.0

## 5.3. **Backend**

- 5.3.1. Golang Version 1.15
- 5.3.2. NIFI Version 1.10.0
- 5.3.3. Alfresco Processes Services (powered by Activiti) Version 1.9.

## 5.4. **Database**

- 5.4.1. Postgres Version 10.12
- 5.4.2. Neo4j Version 3.2.20

## 5.5. **Travel App and CMS Specs**

- 5.5.1. React 16.13.1
- 5.5.2. Next.js 9.4.4
- 5.5.3. Typescript 3.9.6
- 5.5.4. Chakra-UI 0.7.0
- 5.5.5. Emotion 10.0.28
- 5.5.6. Apollo 2.6.10
- 5.5.7. GraphQL 15.3.0
- 5.5.8. DatoCMS
- 5.5.9. Keycloak
- 5.5.10. Docker
- 5.5.11. Vercel

## 5.6. **Support infra**

- 5.6.1. Infra support for 14 hours per month for six (6) months
- 5.6.2. Application security patches
- 5.6.3. Technical infra troubleshooting
- 5.6.4. Updates security patches check and monitoring

## 5.7. **Personnel Requirement**

- 5.7.1. Provide two (2) techs infra specialists and technical support for the following
  - 5.7.1..1. Content MGT modules stack (Nextjs, Keycloak, DatoCMS, Vercel, and Graph QA)
  - 5.7.1..2. Campaigner deals module stack (Ionic Angular, Node, Alfresco, and Neo4j)
  - 5.7.1..3. Error logs, downtime investigation, and recommendation
  - 5.7.1..4. 1 to 3 working days response time and fix recommendations for critical issues

## 6. PROJECT TIMELINE

All deliverables enumerated in item #3 must be complied with and accepted by the project officer within fifteen (15) calendar days upon receipt of notice to proceed, after which liquidated damages shall be imposed.

Activity	Duration (in calendar days)			
Approval of the migration and deployment plan	3			
System Migrations		5		
Testing and quality assurance			5	
Knowledge transfer and turnover of credentials				2

## 7. TERMS OF PAYMENT:

Payment will be on a send-bill arrangement to be settled within thirty (30) calendar days upon receipt of billing of statement.

Payments will be made through a Landbank of the Philippines (LPB) deposit. If the supplier does not have an LBP account, the supplier will shoulder bank charges.

## 8. PROJECT OFFICER and alternate PROJECT OFFICER

### 8.1. Contact Details

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Prepared by:

**EMMANUEL A. ZARATE**

*Information Technology Officer II*

Date: \_\_\_\_\_

Noted by:

**LEAH MARIE C. SY**

Manager

Management Information Systems Department

Date: \_\_\_\_\_