RFB. No. PK-LG& CD-289345-GO-RFB                    Lahore, the 10ᵗʰ November 2022

## AMENDMENT NO. 1

Subject:     **Request for Bids - Design, Supply and Installation of Enterprise Resource Planning (ERP) & Management Information System – Procurement Document**

This is in continuation of the **Procurement Document** made public by uploading it on the website of the Company in freely downloadable form, in response to the Request for Bids (RFB) Notice published in national dailies on -- October 2022 and subsequent Pre-Bid Meeting, held on 3ʳᵈ November 2022 for the subject procurement activity. The following revisions in the Procurement Document may kindly be noted: -

### A. Section II viz. Bid Data Sheet, ITB 35.4, Page 40

The opening sentence shall stand deleted and replaced with the following:

The Purchaser's evaluation of responsive Bids, offering **Tier-1 Solution**, "will take" into account scored technical factors, in addition to cost factors.

### B. Section III viz. Evaluation & Qualification Criteria, 5.4.2 Specific Experience, Page 52:

The requirements given therein the clause, shall stand deleted and replaced with the following:

(i) Participation as a prime supplier, management contractor, JV member, subcontractor, in at least three (03) contracts within the last five (05) years, each with a value of at least Pak. Rs. three hundred (300) Million, that have been successfully and substantially completed and that are similar to the proposed Information System.

The successfully completed similar contracts shall be documented by a copy of an Operational acceptance certificate (or equivalent documentation satisfactory to the Purchaser) issued by the purchaser(s).

(ii) Bidders shall have to demonstrate/ provide current/valid Original Gold Partnership Certificate issued by the OEM to the bidder. The Bidder must have maintained the partnership level in the last 3 years of the similar software demanded in this bidding document.

### C. Section VII viz Purchaser's Requirements, Scope of Work Page 102

The para C and d have been modified and are as under

c) Web-based dashboard: Design a dashboard that runs smoothly on all web browsers across all devices (Laptop, LCD, Tablet, Mobile) and is user friendly, agile, responsive and robust. Dashboard should have the ability to perform spatial operations and present location-based analytics. The dashboard should have features that enable it to receive real-time data from the custom-designed mobile phone app (see below). The dashboard should also have the ability to present data in form of thematic maps like heat maps etc.

for better visualization. The dashboard should have access control features that customize access based on user roles and permissions. The access control should be dynamic so that the same user ID can be granted (or denied) permissions over time. The dashboard should also have a built-in Audit Trail. Finally, there should be a built-in data/analytical report export system covering common formats such as Excel, Word, and PDF.

d) Mobile phone app: Develop an android mobile phone app that is both lite and user-friendly. The app will host survey-style modules for users to input data and take geo-tagged and time-stamped pictures/videos and transmit to the dashboard in real-time if there is internet connectivity or automatically as soon as there is internet connectivity. The mobile application should be able to load spatial datasets like Project Locations etc to facilitate user in reporting.

### D. Section VII viz Purchaser's Requirements, Standard Module Page 123

### 12. FIELD FORCE MANAGEMENT

The main objective of this module is to access real-time, accurate information from the field for effective monitoring and to facilitate timely corrective actions. This module should have a multi-tier architecture that takes advantage of the latest technology, such as GPS (Global Positioning System), GIS (Geographic Information System) and CRM (Customer Relationship Management) maintain a productive workforce by optimizing and streamlining its processes. The module should contain an easy to use user dashboard/web front tend to manage all the functionalities. The module should be easily integrated with backend systems to allow relevant information to be made available to the field at all times. Through caching and syncing, employees won't necessarily need an internet connection to stay connected.

Following is a list of some of the salient features required:
**User Management**: Capable of Creating users and their roles like administrator, manager and worker to manage application access.
**Team Management**: Ability to Create groups/team, to which you can add administrators, managers and mobile workers to monitor team progress.
- Identify Field Worker Location: The application should enable manager to instantly see where everyone is on the detailed map.
- Manage teams on the fly: Manage the allocation of workers to teams while in the field. Task Management: A dynamic form builder is required to create new tasks based on survey forms/instruments. The updated/existing tasks can be assigned, through the dashboard, to users in real time and .then monitor task progress with real-time status
- Time Management: The application should be capable of specifying a completion time to task and be able to track the variation in completion time against each user
- Create Geofence: The application should be able to setup geofences, so that the user can only perform certain tasks only when he is physically within a geographic region.
- View task status: The application should provide instant task status updates from mobile workers and see a detailed status history for any task.
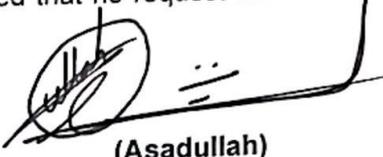
**Attendance Management**: The field worker should be able to mark attendance on the field, so that the, managers are aware of the total workforce on site at all times. The attendance should also be geo-fenced to ensure the presence of field staff on ground.
**Report Management**: The application should be able to produce dynamic reports and alerts to the managers so that the field work can be effectively monitored.

- Alerts: The dashboard should be able to receive alerts from the mobile application when a field worker violates his designated geo-fence area for the task that he/she is performing. Also receive an alert on the completion of an assigned task.
- Task history: Provide a complete list of all tasks a worker was assigned for a specific day, week or month and the status of those tasks.
- Location history: Display markers on the map for all the locations where a mobile worker has been on specific days, weeks, or months.

2.        Except the amendments made hereinabove, the rest of the terms & conditions of the **Procurement Document** shall remain the same. It must also be noted that no request for any extension in time for submission of proposals shall be entertained.

(Asadullah)
Chief Executive Officer