Terms of References

Design and build a mobile application for devices operating on (Android and IOS) operating systems to display SDG indicators.

- **Organization: UNDP**

- **Duty station: Amman**

- **Closing Date:**

BACKGROUND

Design and build a mobile application for all devices operating on (Android and IOS) operating systems to display SDG indicators of the Department of Statistics. The interactive presentation of SDGs includes a variety of charts, statistical tables and maps to serve all segments of society and those interested and researchers in the statistical fields in general and development indicators in particular.

DUTIES AND RESPONSIBILITIES

The United Nations Development Program wish to contract with a company specialized in developing smart phone applications to implement a special application to display the SDG indicators in the Statistics Department in an interactive manner and according to the following tasks.

- **The main task: Designing and building an application that works on smart phones (mobile application) for all devices running operating systems (Android and IOS) to display the indicators of SDG in the Department of Statistics, as follows:**

Ahlam, HPC

- **Design and build a system for displaying sustainable development indicators (SDGs) on smartphones using multi-platform systems (Xamarin Form).**
- **A specialized and comprehensive training course for DOS IT staff on all stages of implementing the system**
- **Marketing the application on all platforms.**

Expected outcomes:

- **An application that works on smart phones (Mobile Application) for all devices operating on (Android and IOS) operating systems to display statistical indicators of sustainable development (SDGs).**
- **Qualifying a cadre from the Department of Statistics to use the developed software on all stages of its implementation and its details.**
- **Marketing the application and making it available on all smart phone platforms.**

Timetable

The implementing company must adhere to the following time plan:

Period needed to implement the activity starting from the date of signing the contract	Outputs
First week	• Provide a clear and detailed work plan with dates, tasks and achievements from the company to implement the required application. • Presenting a clear and comprehensive training plan to train the staff of the Department of Statistics.
Second week	• Starting to implement the required application and providing (UNDP) and the Department of Statistics with the design of the application screens and approving them.

Ahlam, HPC

	• Starting the training course according to the conditions mentioned in the technical specifications, with a weekly evaluation of the course's progress.
6-4 weeks	• Submit a preliminary copy of the application required for evaluation by (UNDP) and the Department of Statistics and amend it if necessary. • Providing a detailed evaluation of the training course with the implementation of the Case Study by the trainees.
8 weeks	• Submitting the final version of the application required for receipt by the (UNDP) and the Department of Statistics and marketing it on all smart phone platforms. • Completion of the training course and evaluation of its training outcomes.

• **Important note: The project period should not exceed the end of June 2021.**

The COMPETENCIES

• **Previous experiences in the field of the system to be implemented and that they have previously implemented no less than (2) projects similar to the subject of the bid.**

• **That the company has several qualified specialists in the field of the system to be implemented, along with the submission of CVs and certificates, as the certificates and CVs will be subject to scrutiny during the evaluation.**

• **Communication and documentation skills. REQUIRED SKILLS AND**

EXPERIENCE

Company Profile

• **The company must be local and legally registered with the Ministry of Industry and Trade and possess the financial and technical capabilities to implement the required application with proof of that.**

• **The applicant company must be operating in the market in the field of application required to be implemented for a period of no less than (3) years, with proof of this being submitted.**

Ahlam, HPC

Experience:

• **Previous experiences in the field of the system to be implemented and that they have previously implemented no less than (2) projects similar to the subject of the bid.**

• **That the company has a number of qualified specialists in the field of the system to be implemented, along with the submission of CVs and certificates, as the certificates and CVs will be subject to scrutiny during the evaluation.**

Application Procedure

The company should submit a file for the company's CV, and for the file to contain the following:

• **Providing resumes and certificates for workers in the implementation of the application, as certificates and resumes will be subject to scrutiny during the evaluation.**

• **Providing resumes and certificates to trainers, that trainers have previous experience in giving similar training courses, where certificates and CVs will be subject to scrutiny during the evaluation.**

• **A company should provide a clear and detailed work plan (Project Plan) for all stages of designing, developing, and testing the application.**

• **For the company to submit two offers, one technical and the other financial, in two identical copies (original and copy).**

Selection Process

a)   **Criteria for Selection**

Technical and financial offers are evaluated by a specialized technical committee, and the bidders are qualified according to the decision of the committee, and according to the following principles:

❖   **Technical evaluation 70%**

❖   **Financial evaluation 30%**

Financial offers will be opened for technically qualified companies only, and financial offers will be closed to companies that did not qualify, as the transfer will be made to the cheapest technically qualified offers.

The technical evaluation points will be calculated and multiplied by (70%) and then the financial evaluation will be added so that the cheapest company gets (30%) and the

Ahlam, HPC

percentages for the rest of the companies will be calculated (the offered price / the cheapest price), according to the following evaluation criteria:

Serial No.	Criteria	Score
1	**Company Experience (Maximum Mark of 30):**	
	❖ **Previous experiences in the field of the system to be implemented and that they have previously implemented no less than (2) projects similar to the subject of the bid.** ❖ **The applicant company must be operating in the market in the area of application required to be implemented for a period of no less than (3) years, with proof of this being submitted** ❖ **Clarity and quality of the presented presentation.** ❖ **The number of years of experience in implementing smart phone systems in the required programming language.** ❖ **Understanding what is required of the application and the objectives to be implemented, whether in implementing the application or the course training.** ❖ **Provide evidence of the existence of applications implemented by the company on smart phone platforms.**	
2	**Methodology (Maximum Mark of 20)**	
	❖ **Clarity and quality of perception and methodology proposed by the company.** ❖ **Presenting a clear and detailed work plan (Project Plan) for all stages of designing, developing and testing the application.** ❖ **Presenting a risk management plan, and proposing alternative scenarios in the event of anticipated risks.**	
3	**Team Experience (Maximum Mark 20)**	
	❖ **Previous experiences of the staff working in the company in implementing similar projects.** ❖ **Submit CVs and certificates for workers implementing the application.** ❖ **Certifications for Certifications in all areas of construction, design and implementation.**	

Ahlam, HPC

	❖ Certifications for trainers in the subject of the course (Certifications), that trainers have previous experience in giving similar training courses. ❖ Previous experiences in working with government agencies and international organizations. ❖ The financial capabilities of the company.
	Total 70
	The companies that obtain a mark of more than 55 are considered technically qualified and their financial offers are studied. As for the companies that obtain a score of less than 55, they are technically ineligible and are excluded from the bid without viewing their financial offer.
4	**Financial Offer (Maximum Mark of 30)**
	▪ The formula for calculating the mark for the financial portion: (Presented Bid / Cheaper Price * 30)
	Total 30
	Grand total (technical + financial) 100

b) <u>Documents to be Submitted</u>

1. Company Profile: Information about the company that includes the year of establishment, fields of work, experiences, competencies, CVs, and certificates for people who will work within the required project.

2. References of at least (2) similar projects, completed or ongoing, with customer contact details.

3. Technical proposal: a detailed explanation of the work steps and expected outputs, including:

a. Project management: methodology, implementation plan, and timelines.a

b. The proposed training material and training plan are explained according to the topics and time periods.

c. Documentation and documentation plan for the project

4. Financial offer

Ahlam,HPC

8. Compensation and special conditions

▪ **The financial dues of the implementing company are paid according to the following: 100% upon receipt.**

UNDP Signature	NGO Signature

Technical Specifications

Call for tender to develop and build an application for smartphones

Invitation to bid for designing and building an application that works on smart phones (Mobile Application) for all devices operating with operating systems (Android and IOS) to SDG indicators in the Department of Statistics and according to the following technical specifications:

The bid invitation is divided into two items, and the two items are considered one unit that cannot be divided:

The first item: Designing and building a smart phone system to display sustainable development indicators (SDGs) according to the following technical specifications using multi-platform systems (Xamarin Form).

The application must have the following tasks, processes and characteristics:

1. Presenting the statistical indicators of sustainable development indicators (SDGs) in a variety of display ways (interactive tables, interactive graphs, interactive maps), while providing the ability to perform a number of calculations on the indicators such as (total, arithmetic mean, minimum and maximum values, arrangement and filtering). , Time series).

2. The application should deal with most of the (API's) for the operating systems (Android & IOS), especially (GPS, WIFI, contacts).

3. That the application supports both Arabic and English.

Ahlam, HPC

4. That the application provides alerts to the most important indicators specified by the department so that it appears to the user whether the application is open or closed.

5. That the application allows the user to register and build the components of the user's main screen according to his interests from among the available indicators (the favorite indicators screen).

6. The application enables the user to build and store his own reports.

7. The application should allow the user to store user data and reports on the smartphone, so that the user can return this data through the application when needed.

8. That the application supports the night reading feature, and that the application allows the user to change the font size and type.

9. The application allows the user to send comments, suggestions, or inquiries, allowing the DOS to respond to these observations and suggestions.

10. That the application supports the update feature by providing an alert of the program update and redirecting the user to the stores to make the required update if possible.

11. That the application includes all the features related to data security and applications operating on smart phones, and to protect the application from hacking attempts, in accordance with the security and confidentiality of data policies followed in the Jordanian e-government.

12. That the application allows communication with social media platforms and allows the user to share data and reports through these platforms in the form of pictures with the addition of a link to direct the user to download the application (for more reports, the application must be downloaded).

13. That the tenderer ensures the design and processing of the data (back end) in coordination with the department's employees and that it ensures the integration feature with the PX Web API's used in the Department of Statistics so that the data sets and their metadata are obtained through Restful Web Services in a flexible standard way so that Dealing with data according to Metadata to identify the data structure and statistical cubes, such as time series and statistical classifications.

14. That the application allows the feature of written search (search) for information and build the API's for searches according to the available data and in coordination with the Department of General Statistics.

Ahlam, HP C

15.   The tenderer shall submit the designs for the application screens (back end, front end) which will be reviewed and approved by the Department of Statistics, so that the implementation will not be completed until after the designs are approved by the department.

16.   The tenderer shall identify and clarify the needs of the necessary infrastructure to ensure that the application works within the highest levels of efficiency.

17.   The tenderer shall submit a clear and detailed work plan (Project Plan) for all stages of designing, developing and testing the application.

18.   The tenderer shall bear the value of any additions or materials that appear during the implementation of the project and were not included in the proposal submitted by him. The tenderer shall be fully responsible in the event that there is a deficiency in the components of the integrated project during implementation.

19.   The contractor is obligated to deliver the application and finish the training course within a period not exceeding June 2021.

20.   The contractor is obligated to market the application on all platforms.

21.   The implementing company should have previous experiences in the subject of the project to be executed and that it has previously implemented no less than (2) projects similar to the subject of the bid, and that it is the size of the project required to be implemented by the Department of Statistics.

22.   The tenderer is obligated to provide a free warranty for the presented system for a period of one year. We were obligated to provide the price of maintenance and follow-up for a subsequent 3 years.

23.   The tenderer shall submit an integrated documentation of the presented system that includes all stages of the work and in detail.

The second item: a specialized and comprehensive training course for all stages of the software application implementation according to the following specifications:

1.   That the training course covers all the parts implemented in the application presented in the first item (Full Stack Back End, Front End, Developers), preparing databases to suit work with smart devices, and training on how to build databases and API's for private data

Ahlam, HPL

in any application intended to be implemented in If the Web service is not available (for example: Restful Web Services).

2.   The training course includes training on Restful Web Services and any other backend technologies required for building smart phone applications.

3.   That the tenderer is committed to providing a comprehensive training plan (that includes all the topics raised and the time periods in detail).

4.   That the training course includes all topics related to the software tools and software used in building the application in item (1).

5.   The company is committed to providing the Department of Statistics with attendance sheets and evaluation statements for the course participants on a weekly basis.

6.   The training course should have a practical outcome (a case study) that simulates the application implemented in the first item.

7.   The tenderer shall submit attendance certificates to the trainees after the training program ends.

8.   An evaluation of the training program and the trainer will be conducted by the Department of Statistics a week after the training program. In the event that the evaluation is negative, the company is obligated to amend the training program or change the trainer, according to the evaluation outputs.

9.   The training shall take place in the building of the General Statistics Department.

10.   The company shall provide hard and electronic copies of the training materials to the Department of Statistics.

The training course should include the following topics:

1. Learn about the concept of electronic platforms, their goals and uses.

2. Learn about the mobile application development architecture.

3. Training on preparing the infrastructure used to build smart device applications, such as: downloading software, preparing the server and the necessary databases.

4. Staff training, starting from the basics of the language that will be adopted, all the way to the advanced level.

5. Training on the use of all the features of smart phones (API's) such as voice reading feature, GPS ... etc.

Ahlam,HPC

6. Training on how to support all screen sizes of smart devices, languages and different system versions available on smartphones.

7. Training on using the audio information feature of the blind category.

8. Know the Activity & Widget details.

9. Training in dealing with alerts, such as Toast alert, Dialog alert, Notifications alert, modification and cancellation of Notifications .... etc.

10. Layout training, such as graphic diagrams, line diagrams, relationship diagrams, and table layouts.

11. Training on building Tab Host, Tab Page, List View, Grid View.

12. Training on designing menus and toolbar, such as Option Menu, Context Menu.

13. Training on small screens. Fragments.

14. Training on how to share files within social media.

15. Training in dealing with Google Maps.

16. Training on how to build the backend.

17. Training on building smart phone application interfaces (Front End).

18. Training on saving and retrieving data through Oracle 12c databases in various interactive forms such as: tables, maps, and graphs.

19. Publish an application on the application store.

Type text here

Ahlam, HP C