

TERMS OF REFERENCE (TOR)

Bid No (61/2015)

Assignment: Terms of Reference for: technical service of specialized entity to develop a **3D Interactive Map (web-based map)** for Wadi Al Badhan Village, Nablus, Palestine.

Project Targeted area: Wadi Al Badhan, Nablus, West Bank, Palestine.

1 Background Information

Applied Research Institute Jerusalem (ARIJ) is a Palestinian Non-Governmental Organization, a partner of project entitled as **“Promoting Socio-economic Sustainable Development through Innovative Technological Actions for Mediterranean Tourism Heritage and Landscapes Protection Clusters (HELAND)”**. The HELAND Project is co-funded by the European Commission through ENPI (European Neighborhood and Partnership Instrument) Programme, which is the financing instrument of the new European Neighborhood Policy (ENP) for the 2007-2013 period aiming at reinforcing cooperation between the European Union (EU) and partner countries regions placed along the shores of the Mediterranean Sea. It is a joint project between 10 organizations and research centres from six countries: Palestine, Lebanon, Jordan, Spain, Cyprus and Malta. The Applied Research Institute Jerusalem (ARIJ) is the Palestinian partner of HELAND project.

2 Qualifications

The technical service provider should have a proven record of experience in the following fields:

- Geographical Information System (GIS) applications.
- Software Development.
- 3D Modeling.
- Webpage Developer.
- Panoramic Photography.
- Remote Sensing.



3 Roles and Responsibilities

The service provider will:

- Create a 3D Interactive map for Al Badhan Village (web-based map) which includes the following:
 1. Clickable 3D Layers of:
 - Land Use Land Cover

- Built-up areas, Restaurants, Parks, etc.
 - Road System.
 - Culture attraction sites: ancient watermills, death rock, water springs and hiking trail.
2. Zooming in and out on specified locations.
 3. Panning easily between the geographic areas.
 4. Planning driving and walking routes.
 5. Ability to interact, update and make changes.
 6. The users will have the ability to locate locations, such as restaurants and points-of-interest in the Village.
 7. The users will have the ability to see what points of interest (location) are within a certain distance of a chosen point of interest.
 8. Get detailed directions by entering the start address in the directions tab.
 9. Each point of interest will have a box of information.
 10. Conduct a number of field visits to Wadi Al Badhan Village to collect the necessary data for creating the 3D interactive map.
 11. Plan, coordinate and consult with ARIJ team throughout the assignment period.
 12. Conduct a training course to ARIJ project team about the developed technologies.
 13. Conduct a training session to the main stakeholders in Wadi Al Badhan on how to use the developed interactive map.
 14. Upload the final products to a Website created by ARIJ for HELAND project.
 15. Map languages will be Arabic and English.
 16. All layers are searchable.
 17. Connect the map with Google Earth to see the location when moving from point to another.
 18. Location Map: shows the location of Wadi Al Badhan within West Bank and Palestine.

Notes: the Applied Research Institute – Jerusalem will provide the technical provider with the following layers and data to complete the previous tasks (just to be used for developing the interactive map):

1. High-resolution aerial photo 25 cm; for digitizing issues.
2. Corine Land Use Land Cover 2010.
3. Al Badhan Village Border.
4. Road System and type
5. Al Badhan Village profile in both English and Arabic languages.

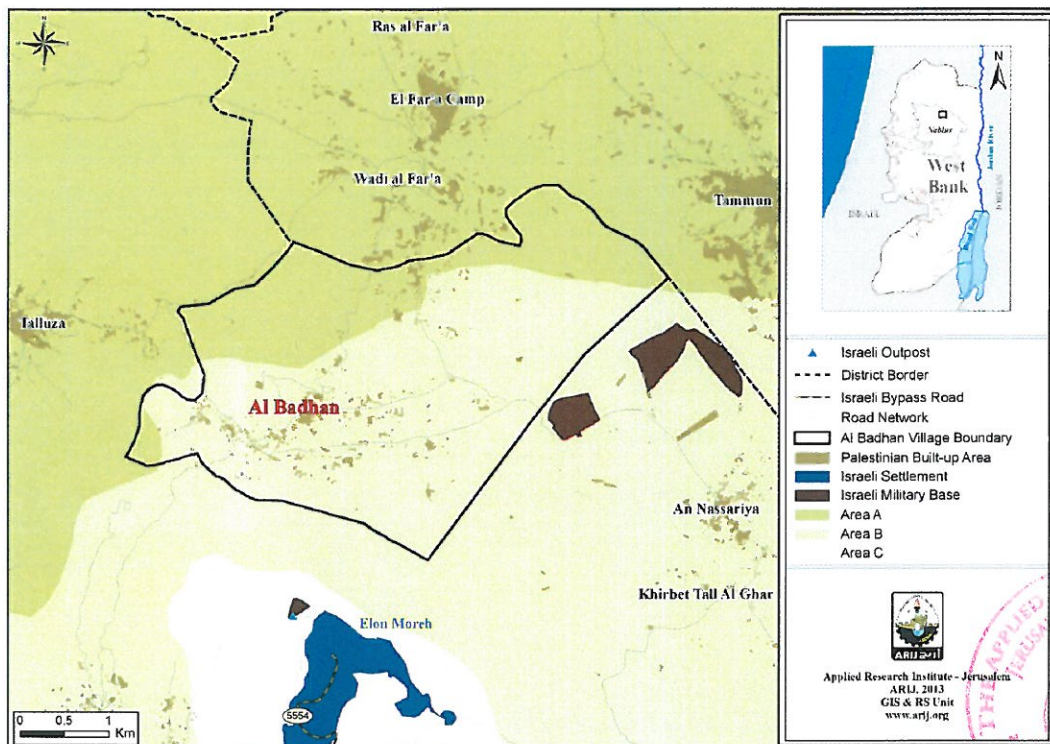


Notes: the Applied Research Institute – Jerusalem (ARIJ) will not be responsible for licencing (price should include licences, (If Necessary))

4 Wadi Al Badhan Village

Al Badhan is a Palestinian village in the Nablus Governorate, located 7.28 km northeast of Nablus City in West Bank, Palestine. Al Badhan is located at an altitude of 180 m above sea level with a mean annual rainfall of 384.3 mm. The average annual temperature is 18.3o C whilst the average annual humidity is approximately 59%. The total area of Al Badhan village consists of approximately 1,328 hectare (map 1).

Map 1: Al Badhan location and borders



5 Deliverables:

- A **work plan** for the time of the assignment including all tasks in coordination with the project coordinators.
- A **3D Interactive map (web-based map)** for Wadi Al Badhan village with the required layers, points and data.
- Upload the developed 3D interactive map (web-based map) on a webpage created by ARIJ for HELAND Project (www.albadhantour.ps). This task will be conducted in cooperation with ARIJ IT department.

- Two **detailed presentations** to the main stakeholders in Wadi Al Badhan on how to use the developed map (ARIJ will prepare for two workshops in Nablus Governorate).
- After the revision and feedback of ARIJ project team, the technical provider will submit the final products.
- The technical service provider will prepare a **training course** to ARIJ IT team focusing on the mentioned components
- Submit **final technical report** including all the procedures and technicalities applied in developing the required outputs.
- Submit **all raw materials and source codes**.

6 Dissemination

The main findings and products will be used **only by ARIJ and HELAND project**, and the technical provider cannot use the findings and products without a written permission from ARIJ.

7 Duration of the Assignment

Work period will end on no more than two months after signing the contract. The work timeline may be reduced or changes by ARIJ at its discretion. During this period, the technical service provider should be ready to spend time at ARIJ, working closely with ARIJ team.

8 Logistics/Facilitation

ARIJ HELAND project team will assist the technical service provider through arranging the meetings, workshops and field visits. It is expected that the technical service provider will use his/her own office, laptop computers and software, have own phone and e-mail access. **The technical service provider will also be responsible for his or her own transportation cost.**

9 Evaluation Criteria

The technical service provider will be evaluated according to timeliness, responsibility, initiative, communication, and quality of the products delivered, and as the following criteria:

Technical offer evaluation 65%

Financial offer evaluation 35%

Moreover, the total percentage should not be less than 75%



10 Unsatisfactory Performance

In case of unsatisfactory performance, a notification letter sent 5 days prior to the termination date would terminate the contract. In the meantime, ARIJ will initiate another selection in order to identify an appropriate candidate.



Notes:

- All prices should be in **US Dollar Excluding VAT.**
- The technical service provider should be able to issue a Zero Vat Invoice (if it is a firm/authorized and registered dealer) OR Issue a payment request (for Individuals).
- The technical service provider should provide a valid deduction at source certificate.

Total Price in words: _____

Please add price per unit or activity (if applicable) in the following table:

| # | Activity | Price/Unit | Total Price |
|----|----------|------------|-------------|
| 1 | | | |
| 2 | | | |
| 3 | | | |
| 4 | | | |
| 5 | | | |
| 6 | | | |
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| 11 | | | |
| 12 | | | |

Company Name: _____

Authorized Dealer: _____

Phone: _____

Fax: _____

Signature or Stamp: _____

