Term of Reference (ToR)

Energy Engineer

<table>
<thead>
<tr>
<th>Organization</th>
<th>German Jordanian University (GJU)</th>
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<tbody>
<tr>
<td>Funding Agency</td>
<td>The Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH, (GIZ)</td>
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<tr>
<td>Funding Program</td>
<td>Jordanian-German Energy Partnership</td>
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<tr>
<td>Project Title</td>
<td>Advice and support of bilateral Energy partnership with developing and Emerging countries -Jordan</td>
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<tr>
<td>Project Number</td>
<td>81281325</td>
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<tr>
<td>Number of positions</td>
<td>1</td>
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<tr>
<td>Position Title</td>
<td>Energy Engineer (part – time)</td>
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<tr>
<td>Location</td>
<td>German Jordanian University (GJU)</td>
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<tr>
<td>Duration</td>
<td>50 working days total from July 10th – September 30th, 2023</td>
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Notes:
- Application and C.Vs must be filled on the following form: https://docs.google.com/forms/d/1UaAcaliqRN19LEd_by0HucZw4n-FU_QJajt7T762-2Y/edit
- Please note that only short-listed candidates will be contacted.
- Any CVs received after this 7th of July 2023 will not be accepted.
- Women candidates are encouraged to apply.

1. Background and Project Description

In the presence of His Excellency the Jordanian Minister of Energy and Mineral Resources Dr Saleh Al-Kharabsheh and His Excellency the German Ambassador to Jordan Bernhard Kampmann, the Jordanian-German Energy Partnership celebrated the official kick-off for the work on the Energy Academy of Germany and Jordan.

“In the course of its ongoing energy transition, Germany has gathered a vast amount of experience in designing a sustainable, affordable, and reliable energy system. We are happy to share this experience with our Jordanian partners for the benefit of Jordan” announced Ambassador Kampmann. Minister Kharabsheh highlighted the socio-economic benefits of this transition: “An increasing share of renewable energy in the Jordanian electricity system will provide new job opportunities for Jordanians and support economic growth”

The Energy Academy of Germany and Jordan is to become a unique training facility to upskill technicians in innovative and sustainable energy technology. It will support Jordan’s ambition to become a regional energy hub and create the capacities necessary for a successful and timely energy transition whilst simultaneously support employment and economic growth. In the future, the format shall be optimized and implemented on a larger scale to include other countries in the MENA region.

All total of seven partners co-operate to establish the Academy: Al-Hussein Technical University, the German Jordanian University, the Electric Training Center of National Electric Power Company, the Amman Chamber of Industry, the German Federal Solar Association (BSW-Solar), and Niuversity Global. These partners will together establish the Trainings are planned to commence in 2022.

Discussions revolved around the next steps to co-create, lead and subsequently grow the Academy. Whereas details such as the curricula, teaching formats and a diversity strategy are yet to be determined, the partners share a vision for an institution of excellence with the Jordanian-German Energy Partnership.

Accordingly, the project is now looking for an Energy engineer (Individual) to support in curricula developing and
support in training for the project.

2. **Scope of Work**

The engineer will prepare energy efficiency curriculum for the German energy academy in Jordan. Over a period of 50 working days, the engineer is to plan and develop a practical training material for the academy. The engineer is expected to work closely with the German Jordanian Project coordinator and provide monthly progress updates.

3. **Required Skills & Qualifications:**

1. Bachelor’s degree in Engineering, or a related discipline required - Master’s degree preferred.
2. Demonstrated knowledge of best practices in curriculum design, and effective assessment strategies.
3. Practical experience in energy efficiency for at least 10 years.
4. Fluency of English language.
5. Knowledge of energy tools and the ability to select teaching methods appropriate for industry and students.
6. Experience working with subject matter experts (SME) to develop accurate, relevant content, including demonstrated facilitation skills.
7. Strong written, presentation, and interpersonal communication skills.
8. Ability to receive and incorporate feedback into course material from program leads, subject matter experts, students, and instructors.
9. Knowledge of copyright and trademark rules for writing and delivering content and graphics.
10. Excellent computer skills including experience with computer-based writing and training software.
11. Experience in developing technical curriculum.
12. Strong ability to manage, prioritize, and organize multiple tasks.
13. Ability to reliably meet project deadlines
14. Proactive, collaborative, and flexible.

4. **Duties**

At the direction of the GJU project coordinator of Instruction, work with Subject Matter Experts (SMEs) and/or other technical experts to create Energy Efficiency curriculum with the following components:

1. Course outlines, and syllabus.
2. Participate in delivering the energy efficiency training.
3. Lesson plans
4. Classroom activities
5. PowerPoint presentations.
6. Update training, instructional, and curriculum materials on a consistent basis
7. Participate and facilitate as directed curriculum review and subject matter advisory meetings.
8. Make recommendations regarding course design, technology, and instruction delivery options
9. Evaluate and revise training materials such as texts, outlines, and handouts
10. Recommend instructional methods such as individual or group instruction, self-study, lectures, demonstrations, simulation exercises and role-playing appropriate for content and learner characteristics.
11. Analyze student audience level to determine effectiveness of instructional systems, courses, or instructional materials.

5. **Expected Outputs**

It is expected that the work will result into the development of a high-quality training material and assist in performing the training.

6. **Duration of the Work**

This assignment is expected to be finalized at a maximum of 50 working days, spread from the July 10th to September 30th, 2023.

7. **Payment Milestone**

The engineer will be paid a rate of 100 euro/Day of a maximum of 20 working days per month and the payment will be issued after submitting the required task.