

ANNEX II: SHORT BIOGRAPHIES OF THE EVALUATORS

Prof. Mohamed Ziara (Team Leader):

At Academic level: The academic experience includes research, development and teaching at Birzeit and IUG Universities in Palestine and Heriot-Watt University in UK. Prof. Mohamed Ziara is a contributor to advances in structural engineering, rehabilitation of structures, construction materials, planning and management of construction and infrastructure projects, wastewater systems suitable for use in Palestine, capacity building and decision-making techniques. His academic experience at local, regional and international levels includes publications in specialized conferences and journals, organization of engineering conferences and exhibitions, reviewing of research papers and proposals, and accreditation assessment of engineering programs, departments and faculties. He is an editor to international journals.

At Practical Level: Since 1980 Prof. Ziara has gained extensive technical and managerial experiences both locally and internationally. The practical experience covers vast range of subjects such as innovative design, rehabilitation of structures, planning, strategic planning, assessment, construction supervision and management, capacity building, training, assessment and studies. The works include reinforced concrete, steel and stone structures, planning and design of infrastructure, town planning and urban development, housing, water and wastewater systems, storm water drainage, pumping stations, sanitary engineering, wise-use of water, environment protection and hydraulic constructions, strategic planning for public institutions, assessment and development studies. The managerial experience includes the establishment and directing of public and private enterprises, e.g. Center for Architectural Heritage, IUG, Ministry of Housing, Palestinian Housing Council, Center for Engineering and Planning, education department, engineering companies and laboratories.

Eyad Abu Warda (Water Infrastructure Expert):

Mr. Abu Warda holds a B.Sc. in Civil Engineering since 1998 and undergoing an M.Sc. in Infrastructure Engineering. Through his 20 years of experience, he has designed, managed and supervised the implementation of tens of infrastructure projects include water and wastewater networks, water and waster pump stations and booster station, water wells and buildings. In addition, Mr. Abu Warda has served as a water infrastructure expert in multiple projects. In the capacity of the Director of projects, he oversees all engineering projects, manages personals and performs quality control.

Dr. Ashraf Nijim (Electrical Power Expert)

Dr. Nijim is a holder of a Ph.D. in Systems Engineering, M.Sc. and B.Sc. in electrical engineering. from Canada. Dr. Ashraf is an Assistant professor at Al-aqsa University teaching student courses related to electrical engineering. Dr. Nijim has been working with Center for Engineering and Planning since 2006 and currently a senior electrical engineer. Through his 12 years of experience with CEP, he has designed and supervised many projects in various fields in including power, electrical, control renewable energy and infrastructure projects. In addition, Dr. Nijim has served as an electrical expert on environmental and assessment projects.

Mohammed Othman (Economic Empowerment Expert)

Mr. Othman is a holder of M.Sc. in economics since 1999. He is serves as apart-time lecturer to multiple academic institution in Palestine and well as an economic consultant to multiple NGOs and private sector institutions. Through his 21 years of experience, he has participated in conducting evaluations for a large number of projects, served as an economic expert in a large number of project and institutions, participated in feasibility studies and implemented fund raising for a large number of projects.

Dr. Rami Ziara (Technical Support/ Water and Environmental Expert)

Dr. Ziara holds a Ph.D. in Civil Engineering and a M.Sc. in Environmental Engineering from US. He has a wide academic knowledge including water resources, groundwater, environmental management and regulations, environmental impact assessment and hazard mitigation, industrial environmental management, and pollution prevention and control. His practical experience includes working with consulting firms in Palestine and US. His practical experience includes participating in planning,

designing and supervising a variety of engineering and planning studies in the field of environmental, water master planning, impact assessment, hydraulic engineering, groundwater engineering, and civil engineering projects as well as project evaluation and research studies.

Raif Ziara (Support Staff)

Mr. Ziara is holder of B.Sc. in Mechanical Engineering and has participated in the design of various water and wastewater projects. His experience includes participating in the design and supervision of water and wastewater networks, groundwater wells and booster stations, as wells as mechanical works for buildings and hospitals. Mr. Ziara has also participated in multiple evaluation and assessment projects.

Husam Salem (Support Staff)

Mr. Salem is a holder of B.Sc. in Civil Engineering since 2011. Mr. Salem has worked as a civil engineering in multiple private sector organizations including consultants, contractors and UN organizations. His experience includes participating in the design and supervision of different projects, such as buildings, roads, water networks, and waste water networks. He also participated in the procurement process of a large number of projects, evaluation of damages and assessment studies.

ANNEX III: METHODS TOOLKIT

Methods toolkit is to be used for implementation of the multi-methodological, dynamic learning-oriented approach. Explanations about the methods toolkit are shown in Table III.1.

Table 0.1: Explanations of the evaluation methods toolkit

Toolkit	Explanation
Materials Review	Existing data, published papers, reports and documents Related to the project.
Semi-structured Interviews (Total 5 interviews)	<p>Question-answer sessions to elicit specific information about evaluation items. Semi-structured interviews are conducted with a fairly open framework which allows for focused, conversational, two-way communication. They can be used both to give and receive information and start with more general questions or topics. Not all questions are designed and phrased ahead of time. The majority of questions are created during the interview, allowing both the interviewer and the person being interviewed the flexibility to probe for details or discuss issues.</p> <p>Steps to using this technique are:</p> <ul style="list-style-type: none"> – Preparing the questions. – Determining the interviewees. – Conducting and recording the results. – Analyzing the results. <p>In this assignment, the semi-structured interviews will be conducted with the following project stakeholders</p> <ol style="list-style-type: none"> 1. PIEFZA 2. PIEDCO 3. GEDCO 4. PWA 5. UNDP <p><i>A List of respective interviewed personnel is provided in ANNEX V</i></p>
Focus Groups	<p>Focus groups are dynamic discussion groups between 8-12 people that are judgmentally selected as representatives of a larger group of population. A facilitator will be used to direct the group discussion and to focus attention on the specific aims of the session (which may involve developing practical recommendations). The evidence produced through focus groups is qualitative in nature and has the major advantage that it gives depth and understanding to a given topic. A typical focus group session can last from 90 to 180 minutes.</p> <p>Focus groups will provide a means to obtain a broad understanding of the issues with which research study is concerned like attempts to assess the state of construction sector and understanding causes of current difficulties by obtaining the opinion, perception of individuals actually associated with the issues being examined.</p> <p>Evidence obtained from focus groups alone will be used in combination/</p>

	<p>collaboration with other evidences.</p> <p>Steps to using this technique are:</p> <ul style="list-style-type: none"> - Selecting a facilitator. - Determining the number of focus groups. - Deciding the participants of the focus groups. - A topic guide: The facilitator needs to prepare a detailed agenda of issues, which the focus group is expected to discuss. This acts as a guide for the discussion. - Conducting the focus group: The facilitator needs to keep the discussions in the focus group relevant to the issue/ objective of the discussion. - Recording the results of a focus group: A video or audio recording of a focus group could be used for the report preparation purposes. Minutes of the meeting could be taken. <p>Analyzing the results of a focus group: Techniques of qualitative data analysis are used to analyze the results of a focus group.</p> <p><i>Focus group technique was used in this evaluation to collect information from GIE tenants.</i></p>
Field Audits	<p>During Field Audits, the evaluation team assessed whether the rehabilitation of the GIE components were implemented as planned.</p>