Additional Special Conditions

Municipality of Monastir–Tunisia

Tender No. 11/2021

Installation of Solar PV Systems in Monastir City

Prepared by

Royal Scientific Society

National Energy Research Center

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1. Introduction

1.1 About MINARET Project

The MENA Region Initiative as a model of the NEXUS Approach to Renewable Energy Technologies" (MINARET), is a project aimed to address the following three key issues: renewable energy technology and energy efficiency, water management and food security with various cross cutting themes; Gender equality, Women empowerment and socio-economic dimension.

Many MENA countries, including Jordan, Lebanon and Tunisia are facing several challenges. These include a global economic downturn, regional upheavals and instability (such as the ongoing Syrian crisis), acute scarcity of energy and water resources, growing energy needs, and a fast-growing population that is demanding a better standard of living and adequate solutions to rising prices and unemployment. All of these challenges are significantly impacted by near total dependency on imported hydrocarbon energy sources as well as the arid and extremely variable climate, which are putting huge pressures on available energy, water and food resources.

2. RSS/NERC Energy Assessment Methodology

The energy assessment in Monastir Municipality in Tunisia was conducted by RSS/NERC team to evaluate the current situation for several municipality facilities and to identify the possible energy saving measures through the improvement of the energy efficiency in these facilities. In addition, RSS/NERC team has identified the possible renewable energy systems that can be installed for these facilities.

Several meetings have been conducted with different stakeholders and the main entities within the municipality in order to collect needed information to evaluate the energy situation of the municipality.

3. Scope

The contractor is responsible for the engineering, construction, commissioning, start-up, operation and 1-year maintenance of a turn-key of the following systems:

1. **Grid-connected Solar Powered Charging Station for Electric Vehicle (EV).**
   The nominal capacity of the PV system is **3.5 kW-AC and DC/AC ratio of 1.15**, and install **AC-charging point** for of Volkswagen e-Golf 2016. The contractor must follow the EV charging guidelines of Volkswagen e-Golf 2016.

Solar Powered Electric Car (EV) Charging Station shall be installed as a solar canopy as shown in the below picture. The contractor must take into his consideration the static and architecture appearance of the proposed PV system. The proposer shall agree with Monastir Municipality on the exact location of the PV system.

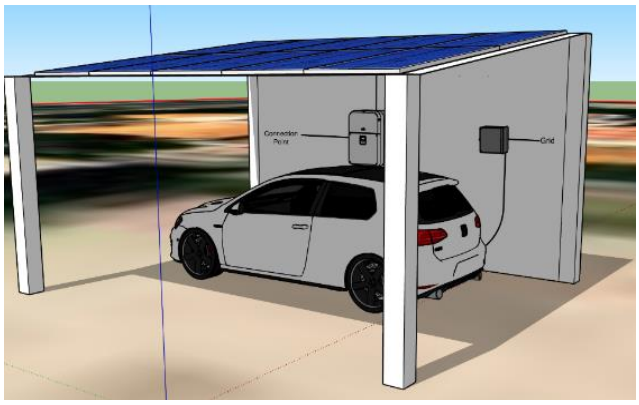

Figure 1: Solar Powered Electric Car (EV) Charging Station

2. **Off-Grid Solar Pumping System**

   The nominal capacity of the solar system is 2.6 KWp to power a submersible pump of 2 KW using a pumping invertor of 2 KW. The submersible pump will be used to pump water from the Rain Water Harvesting Tank constructed at the Olympic Stadium in Monastir City. The proposer shall agree with Monastir Municipality on the suitable location of the PV system and the pump.

4. Additional Special Conditions

1. The Proposer shall provide at least **3 accomplished projects** related to the same field of the project, including a brief description about each project, budget and duration.

   ***** Note:*** *The company profile must include year of establishment and years of experience with official registration certificates and Licensed by ANME, and reference projects. These projects shall be filled in "**Company Profile tables**" in **Annex A.1** enclosed.*

2. The Proposer shall nominate technical team to perform the engineering, installation, construction and all supporting tasks in the project. The team shall include the following members at minimum:
   - A qualified **project manager** held responsible for managing all project components and activities during whole project period, holds B.Sc in electrical engineering with a minimum experience of 5 years in similar projects.

- An **electrical/mechanical engineer** responsible for managing all electrical and mechanical works with at least a B.Sc. in electrical/mechanical engineering with a minimum experience of 2 years in similar projects.

- A **civil engineer** responsible for managing all civil works with at least a B.Sc. in civil engineering with a minimum experience of 2 years in similar projects.

- **Two Technicians** responsible for executing the required works with sufficient experience in similar projects.

***** Note:*** *Technical team arrangement & selection, names and years of experience shall be filled in "**working team qualifications tables**" in **Annex A.1** enclosed.*

3. The Proposer shall provide a description of the capabilities and experience of the proposed team and resumes of all key project personnel. All resumes shall be attached to ***Annex A.1***
4. All questions regarding the tender by the bidder shall be submitted by e-mail to the following address: rss.procurement@rss.jo . Once answered, they will be posted on Tender's Link. The deadline of the questions and the answers is shown in general conditions & requirements. No questions will be considered after the mentioned date.

5. Offer Template:
   - The technical and financial Offers shall be submitted in separate pdf files (***one separate pdf file for technical & another separate pdf file for financial***) to the following Email: rss.procurement@rss.jo . **Any offer that includes both technical and financial offers in one pdf file will be rejected**.

   - Both of the technical and financial offers submitted by the bidders shall have the following font formats:

     - All the paragraphs shall be Calibri (body) with size of 12.
     - The head points shall be Calibri (body) with size of 16 and bold.
     - The subhead points shall be Calibri (body) with size of 14 and bold.

Technical Offer Template:

The technical offer shall be structured and presented in English language, as well as strictly complying with the following **sequence**:

4.1 Company Qualifications & Project plans

4.1.1 Cover Page

Including the project name and tender number.

4.1.2 Cover Letter

The cover letter must be signed by the person(s) authorized to submit the proposal and must delineate the company's ability to fulfill the project.

4.1.3 Company profile and team qualifications

A brief description of the Company profile, working team qualifications, all key personnel resumes and all required certificates shall be filled in the required tables in **Annex A.1** and to be included in this section.

4.1.4 Approach and Methodology (Project Work plan/ timeline)

The Proposer shall provide a detailed work plan and timeline that specify, describe and explain each task for **all components of the project**, including the following:

a. Scope of work: installation and operation.
b. Testing and commissioning plan: The Proposer shall include a commissioning and testing plan according to IEC-62446-1 and other related standards, listing all equipment and instruments that will be used in the commissioning.
c. Maintenance and cleaning plan: a detailed maintenance plan, including a maintenance checklist and the contractor's commitment of technical support & response time of problem solving over the free maintenance period.

**** Note:** *The Proposer shall use the timeline in **Annex A.2** as a template and include it in this section. The project timeline shall include **at least**: Permits, installation, operation, testing and commissioning milestones.* ***The time plan shall be a maximum of 45 calendar days in which all-civil and electrical works must be finished i.e. the systems must be ready to connect and operate.***

d. QA/QC plan

The Proposer shall propose a quality assurance as well as a quality control plans.

e. Health and Safety plan

The Proposer shall propose a health and safety plan.

f. Training plan
The Proposer shall propose a training plan.

4.2 Photovoltaic Systems

4.2.1 Photovoltaic Systems; General Description

The Proposer shall fill the compliance sheet in **Annex (A.3)** and include it in this section.

All Proposers responding to this tender shall propose an EPC technical and financial proposal of a suitable and full possible capacity of grid-connected Solar system to power a charger for an Electric Car (EV), and another off-grid

Solar Pumping System at the Olympic Stadium to power a submersible pump on the specified spaces by Monastir Municipality (*the awarded contractor shall agree with the Municipality on the exact location of the two PV systems*), taking into account the facilities' roofs and building conditions, shading, load patterns, in addition to the training of staff and maintenance of the system.

The nominal capacity of the PV system for the charging station is 3.5 kW-AC and DC/AC ratio of 1.15, while the nominal capacity of the PV system for the pumping system is 2.6 KWp.

The PV system must consist of an IP66 distribution box and all required circuit breakers with separate two earthing systems; one for the AC & the other for the DC side.

4.2.2 Photovoltaic System; Technical Specification

All Proposed designs & work shall be in full compliance with the applicable regulations.

The Proposer shall include a technical site description for both systems including the solar radiation on the site, site and installation criteria, boundaries, near and far shading obstacles, structural, civil and electrical assessment, and any relevant information.

A. PV System Design

The technical offer shall include at least the following:

- A simulation model for forecasting the energy output of the proposed design with a detailed simulation report for the first year using PVsyst.
- Detailed Single Line Diagram for the PV system
- Detailed 2D & 3D drawings for the PV system
- Voltage drop and power loss calculations for all circuits and cables.
- An earthing design plan for all metallic parts.

- The Proposers shall consider in their electrical design the Industry Standards, the National Electric Code, IEEE 1547-2003 "IEEE Standard for Interconnecting Distributed Resources with Electric Power Systems." and other applicable codes and standards in the country.
- All proposed AC- electrical designs must comply with the STEG (Tunisian Company of Electricity and Gas) requirements and IEC standards.

- The simulation software design and results shall take into account all shading patterns and shall include near and far shading analysis for the design.
- The Proposer must take into consideration the following input parameters in the simulation software, and all values must be realistic and close to the field norms and standards:
  - Thermal loss factor
  - Power Factor = 0.9
  - DC wiring losses (less than 2%)
  - AC wiring losses (less than 2%)
  - LID losses
  - Mismatch losses
  - Soiling losses (according to the prosper cleaning plan)
  - Shading factor table
  - Unavailability max. 1%

- The EV charging unit & PV must be connected directly to the main Power meter at the Municipality.
- The electrical design provided in the offer documents shall include the appropriate sizing of all cabling works and all protection equipment (above and below ground) that will connect the modules, strings, arrays, inverters and to the point of interconnection.
- All protection equipment throughout the system shall be sized and specified to reduce damage on all components and the interconnection point in case of an electrical failure (e.g., over voltage, under voltage, over current and intermittency protections).
- The Proposer shall include in the offer all the required sizing, cross-sectional areas and lengths of the DC and AC cables along with required conduits and trenches.
- The Proposer shall provide voltage drop and energy loss calculations for PV and AC circuits to meet the allowed percentages as follows:
  - For PV/DC circuits: <2% voltage drop from the nominal voltages for all DC circuits.
  - For PV/DC circuits: <2% power loss from the STC DC capacity.
  - For AC circuits: <2% voltage drop from the nominal voltages for all AC circuits.
  - For AC circuits: <2% power loss from the rated AC capacity.
- Earthing system shall be provided for the earthing of the entire project including distribution boards, panel boards, electrical circuits, PV modules, mounting structure, inverters, building structure, and bonding…etc. and associated equipment.

- The DC and AC earthing systems must be separated according to local regulation and requirements.
- The earthing system shall achieve a maximum total resistance of 5 Ω.

B. Charging Point & PV System Layout

- The technical offer shall include Charging point & PV System layouts drawings including 2D and 3D Layouts of the system. All details of the structure location and methodology of fixation shall also be included.
- The 2D and 3D layouts of the system shall:
  - Solar Canopy to provide shading for the EV car as shown in picture #1. Aesthetic & Architecture appearance of the solar canopy must be taken into consideration.
  - Consider service passages to enable the ease of maintenance and system cleaning.
  - Include the location of the charging point, PV modules, inverters, and cable routes.
  - Design of DC and AC trenches (if needed).
  - The charging point (Box IP66) shall host a proper circuit breaker for the grid connection and a (16 Amp) circuit breaker for the charging socket, AC earthing, suitable AC socket (electrical outlet) and enough space for the EV charger. The contractor shall check the size of the charger during his/her site visit to the Municipality.

C. Civil Designs

- The technical offer shall include Civil PV System Design Description including the details of the structural metal elements for the PV mounting structure.
- The Proposer shall provide the following details for the structural metal elements for the PV mounting structure:
  - Manufacturer datasheet and **mill certificate**
  - Model number
  - Details of the metal to be used.
  - Details of the method for fixing the structure of the PV system.
  - Declaration of compliance with the structural design requirements mentioned in this tender.
- The Proposer shall use array mounting hardware compatible with the site considerations and environment.
- The Contractor shall consider when awarded the contract that all civil studies and designs shall be reviewed and approved by a registered engineering office and a structural engineer (Certified Third Party).

- The Proposer shall include a site plan indicating all civil requirements.

4.2.3 Selected Components and Equipment

The Proposer shall include at minimum but not limited to the following Selected Components and Equipment along with a description of their specifications. The datasheets, guarantees and warrantees shall also be attached:

a) Charing point (Box) for Volkswagen e-Golf 2016.
b) PV modules
c) PV Mounting Structures
d) On Grid Inverter
e) PV/DC and AC cables and conduits
f) PV/AC Cables and Accessories
g) Labelling

The awarded contractor must provide the warranties from the manufacturer. The proposer must attach international/Local compliance/test certification for each component issued from a reputable party.
The Proposer shall include a detailed Bill of Quantities for all materials and equipment proposed.

4.2.4 Description of Works

The Proposer shall include a description of the works that will be provided throughout the project in details including all installation and operation tasks.

4.2.5 Testing and Commissioning Plan

The Proposer shall include in the technical offer a Testing and Commissioning Plan in compliance with the testing and commissioning technical requirements.

4.2.6 Maintenance and Cleaning Plan.

The Proposer shall include in the technical offer a Maintenance and Cleaning Plan for 1 year including the following:

a. A detailed maintenance plan including a maintenance checklist and technical support.
b. A detailed cleaning mechanism and plan for the PV system including the devices used for cleaning.
c. The cleaning frequency per year.

4.2.7 System Components Specifications

A. Charging point (Box)

1. The Box shall be made of hot coated or galvanized steel; dust and vermin proof with a protection degree IP66 at least.
2. The charging point (Box IP66) shall host a proper circuit breaker for the grid connection and a (16 Amp) circuit breaker for the charging socket, AC earthing, suitable AC socket (electrical outlet) and enough space for the EV charger.

B. PV Modules

1. The photovoltaic modules have to be based monocrystalline silicon technology, and they have to fulfil the following technical specifications and standards, which have to be certified by an official institute if applicable.
2. The Photovoltaic modules should be manufactured in 2020.
3. The Photovoltaic modules should be grade A, tier 1
4. Cell Type: mono-crystalline or poly-crystalline.
5. The output power of the crystalline module should not be less than 330 Wp at standard test condition. (STC).
6. Module Efficiency shall be at least 17%.
7. Operating PV temperature ranges between -10 °C & + 85 °C.
8. Modules temperature sensitivity at peak power should not exceed -0.40%/°C.
9. Module's weight should not exceed 26 kg.
10. The PV modules frame should be made from Anodized Aluminium.
11. The PV modules maximum system voltage should not be less than 1,000 V.
12. The PV modules should be PID resistant.
13. The PV modules should have a positive power tolerance.
14. The PV modules shall have individual serial numbers behind each front glass and on the back side of the module.
15. Electrical connection shall be on a robust terminal block in an IP65 junction box or higher.
16. The warranty for module defects after installation should be at least 10 years.
17. The awarded Proposer shall provide a manufacture power guarantee for all PV modules that will be installed with their serial numbers that guarantees that the loss of the output is not more than 10% during the first 10 years and up to 20% in total after 25 years. The warranty must state that the malfunctioning solar photovoltaic module must be exchanged by the manufacturer. The replacement solar module must be

identical to, or an improvement upon, the original design of the malfunctioning solar module.

18. Mechanical stability – IEC 61215: Design qualification and type approval for crystalline silicon terrestrial photovoltaic (PV) modules.
19. PV module safety qualification standard: IEC/EN 61730 for safety class II test.
20. Along with TUV, CE compliant and UL certification, salt mist/ammonia resistance should be provided.
21. Mechanical load tests up to 5400 Pa, Damp Heat, Thermo Cycle and Humidity and Freeze tests.

C. PV Mounting Structures

The modules have to be mounted on metallic sub constructions of suitable height from EV car with declination in relation to the horizontal plane (depends on the design), to gain the maximum of solar radiation and energy production.

The supporting structure must be compatible with the offered photovoltaic modules and should be made of Hot Rolled painted Steel for the charging station and the hot-dip-galvanized steel for the solar pumping system.

The following show the minimum specifications of the mounting structure:

1. The effective wind speed of 140 km/h shall be considered for the mounting structure design and shall be proved with test certificate by an authorized party.
2. The paint of the steel structure shall be anti-corrosion, anti-rust and can withstand high humidity.
3. The paint of the steel shall consist of at least three layers: (prime 90 μm, intermediate 95 μm, finish 90 μm).
4. The thickness of the galvanization of the Hot-dip- galvanized steel must not less than 100 μm (shall be proved with test certificate by authorized party).
5. The mounting structure shall be all fitted properly.
6. All bolts, nuts, and washers for the PV modules' mounting structure must be made of stainless steel. Stainless steel must not contact the PV modules' aluminium frames.
7. All clamps in contact with the PV modules' aluminium frames must be made of aluminium.
8. The PV modules' aluminium frame must not directly contact any dissimilar metal
9. A detailed structural analysis shall be submitted taking into account the Tunisian Loads Code and each area specific conditions (additional safety factor).

10. New factored impact load shall be considered in the design calculation of carpark with minimum load value of 20 KN.
11. Any buried part of foundation shall be isolated using special waterproofing material.
12. All exposed sharp edges in the mounting structure must be covered with an appropriate safe material.
13. Anti-corrosion guarantee from the weather conditions.
14. Manufacturer's warranty should be at least 10 years.
15. Consider that if secondary members' or rails' material is different from the PV module material, then a separator shall be used to prevent corrosion.

D. On-grid Inverters

1. The power electronic system shall have the ability to be connected to the grid and to feed in the grid.
2. The AC power of the inverter must synchronize automatically with the AC voltage and frequency of the grid within the tolerance range specified according to Solar PV Grid Interconnection Code for Tunisia.
3. The inverter(s) shall comply with the local regulations and standards and approved by STEG (Tunisian Company of Electricity and Gas).
4. The Inverter should be designed to operate the PV array near its Maximum Power Point (MPP).
5. The Inverter shall be provided with integrated DC switch.
6. Temperature operating range: -20 ºC to 60 ºC.
7. Harmonic distortion is less than 3%.
8. Protection degree is IP65 or higher (outdoor).
9. TUV and CE compliant.
10. Warranty after installation should be for 5 years at least for the inverters. The warranty must state that the malfunctioning inverter must be exchanged by the manufacturer. The replacement inverter must be identical to, or an improvement upon, the original design of the malfunctioning inverter.
11. The inverter must be cooled using natural ventilation if installed outdoors.
12. The inverter must be installed separately from the PV mounting structure and must be protected from direct sun light and rain (weather conditions) if the inverter is installed outdoors.
13. The inverter installation location must be adequately ventilated if the inverter is installed indoors.

14. The Inverter shall have the following protections: reverse current, input over voltage & over current via fuses.
15. The inverter shall have surge protection SDP on the DC and AC side. If the inverter does not support integrated SPD protection a separate external SDP must be installed.

E. PV / AC Cables and Accessories

The minimum specifications of the PV and AC cables are:

1. PV cables shall comply with TUV standards.
2. Operation temperature for PV cables should be up to +80°C
3. PV cables shall be UV resistant, flame retardant, and with low smoke characteristics.
4. Proper size of an AC Cable for the grid connection.
5. PV and AC cables shall comply with local and international standards and the local requirement.
6. AC cables shall be XLPE insulated, (armoured is a plus), sheathed **copper** cables drawn from the PV yard up to the connection points and shall be rated at minimum of 600Vac.
7. All external cables must be installed inside an external use or hot dipped galvanized cable tray with minimum thickness of 1.5 mm and minimum galvanization thickness of 30µm.
8. PVC Flexible pipes with glands shall be used between the modules and the cable tray.
9. The cable ties shall be UV resistance.
10. All cables laying in trenches must be separated by cable spacers.
11. All cables shall be marked properly by means of good quality labels or by other means so that cable can be easily identified.
12. All DC cables shall be single-core cables and double insulated.
13. The Contractor shall use red DC cable for positive side and black cable for the negative side.
14. All cables shall be marked in compliance with IEC 60446-3 category C Basic and safety principles for man-machine interface, marking and identification.
15. Factory warranty shall be not less than 5 years.
16. Reference codes and standards for cables:
    - IEC 60189-2 Low-frequency cables and wires with PVC insulation and PVC sheath – Part 2: Cables in pairs, triples, quads and quintuples for inside installations.
    - IEC 60228 Conductors of insulated cables.

- IEC 60502-1 Power cables with extruded insulation and their accessories – Part 1: Cables for rated voltages of 1 kV ((Um = 1, 2 kV) and 3 kV (Um = 3, 6 kV).
- IEC 60502-2 specifies the construction, dimensions and test requirements of power cables with extruded solid insulation from 6 kV (Um=7.2kV) up to 30 kV (Um=36kV) for fixed installations such as distribution networks
- Reference codes and standards for cable testing:
- IEC 60885 Electrical test methods for electric cables
- IEC 60332 Tests on electric and optical fibre cables under fire conditions

F. Pumping Inverter (Solar Pump Drive 2 KW)

1. The inverter(s) shall comply with the applicable regulations and standards.
2. The Inverter shall be sized and designed to operate the PV array up to its Maximum Power Point (MPP).
3. The Inverter shall be equipped with built-in flow measurement and sensorless flow calculations to pause pump's dry operation (no water).
4. The Inverter shall be transformerless with max-power efficiency not less than 90% (EURO-ETA / Euro-efficiency).
5. The Inverter shall be provided with LCD display screen to provide instantaneous information about the subsystems and system output data and performance.
6. The Inverter shall have the following protections: reverse current, input over voltage & over current via fuses.
7. Temperature operating range: -20 ºC to 60 ºC.
8. Protection degree is IP65 or higher. If the solar pump drives are below than IP65, then the drive shall be installed in an enclosure IP66 withstanding the local weather conditions.
9. The drive shall be fitted with cooling fans as standard; also the cooling air must be free from corrosive substances.
10. The inverter must be installed on a separate hot-dip galvanized steel or aluminium mounting structure i.e. separate from the PV mounting structure and must be protected from direct sun light and rain (weather conditions) if the inverter is installed outdoors.
11. TUV and CE compliant.
12. Warranty after installation should be at least two year.
13. The Inverter panel shall be provided with integrated fuses and AC & DC switches and breakers.

14. Fuses shall be dimensioned according to the manufacturer recommendations.

G. DC Combiner box for Pumping Inverter

1. The strings of the PV module must include fuses in both poles. String fuses must be rated (at 60ºC) 2 times the STC short-circuit current.
2. Surge arresters in both poles, and surge protection for instrumentation and control in accordance with IEC 62305 shall be installed.
3. The combiner box shall have Load-breaking switch.
4. Protection from direct sunlight.
5. The combiner box shall be, at least, IP 65 in accordance with IEC 60529, and should be UV resistant.
6. The elements inside the connection box should be disposed in such a way that positive and negative poles are as separated as possible. This is for minimizing the risk of direct contacts.
   - IEC 61140 Protection against electric shock - Common aspects for installation and equipment.
   - IEC 60664 Insulation Coordination with Low-voltage Systems including clearances and Creepage Distances for Equipment.
   - IEC 61008-1 Residual Current operated circuit Breakers without integral overcurrent.

H. Water Pump

1. Submersible Pump
2. Pump size 2 kw.
3. Voltage: 220-240 volt
4. Head :20 m
5. Flow 10 m3/h
6. Piping, fittings, valves and strainer shall be included

I. Labelling

1. Each item of equipment must have nameplate bearing the manufacturer's name, address, model number, and serial number securely affixed in a conspicuous place.
2. Tags for each power cable or wire located in manholes, hand holes, and vaults shall be provided.
3. Warning labels shall be provided and affixed in a conspicuous place.
4. All labelling material shall be weather-resistant.

J. Construction Works

1. The Contractor shall respect the site safety, security and general regulations and to be highly cooperative with the Municipality staff.
2. The Contractor shall apply Tunisian "labour law" that includes the use of underage labour, non-resident or unlicensed labourers.
3. All permits and approvals required to execute the work are the responsibility of the Contractor, The Contractor shall provide copies of all approved permits and applications for permits still in process on the effective date of the contract.
4. The contractor is responsible for all fees required for obtaining all approvals and permits required for the project.
5. It is the responsibility of the Contractor to submit all the data required from and for the local electric company and other related parties.
6. It is the Contractor's responsibility to execute the work and identify the required permits at his own expenses. All permits shall be provided as hard and soft copies.
7. The Contractor shall keep the site clean; all trash and rubbish shall be disposed of off-site by a licensed waste disposal company in accordance with the applicable laws. Any location of works shall be returned to its original state at all times.
8. The Contractor shall be responsible for storing all system equipment and their safety.
9. All excavation works required for laying the cables shall comply with all applicable codes and approved by Municipality.

5. Financial Offer Template:

Each copy of the financial offer shall be structured and presented in English language with the same sequence as follows:

6.1. Cover Page

The financial offer for the charging point and photovoltaic systems should be covered by the special cover page in **Annex (B.1)**.

6.2. Charing point & Photovoltaic System Cost Breakdown

a) The Proposer shall fill in all required data in **Annex (B.2)** and include it in this section.
b) The proposal must submit a detailed BOQ with each item type, model number, origin, quantity, unit cost and total cost. With a minimum BOQ items as per **Annex (B.2)**.

c) The financial offer shall include the training, maintenance and cleaning cost.
d) The financial offer shall include the civil and electrical tests cost.
e) The financial offer shall include the civil studies and verification cost.
f) The cost of preparing, filing and obtaining the permits including but not limited to the application fees shall be included in the contract price.
g) All prices should be clear and expressed in USD including VAT (if applicable), customs, taxes and any transportation/delivery costs to the project location.

h) The Proposer shall price all proposed items and if any key item is not priced; then it will be implicitly considered.

Note: the contracting authority has the right to cancel any item in the Tender/offer.