

1.1 Reminders from the information meeting

- The public contract has two lots, each of which is indivisible. The tenderer may submit a tender for the one or two lots.
- The submission date is June 6th,2023.
- Questions raised by tenderers during information meeting will be written down and answered collectively to all interested bidders and published.
- **One** original hard copy of the completed tender document (the present document):
 - This document must be first filled electronically, then printed, signed, and stamped on A4 paper
- One electronic copy of the following documents, on a CD or DVD:
 - The filled tender document in pdf format as filled,
 - A scanned copy of the tender document and its annexes,
 - The filled Annex 1: Bill of quantities and general requirements in .xls or compatible spreadsheet format,
- Financial and economic capacity:
 - Selection Criterion 1: Average annual turnover
 - Selection Criterion 2: Financial resources
- Technical capacity:
 - Selection Criterion 3: specific experience
 - Selection criterion 4: Personnel
- Award Criteria: Price

1.2 Updates

1.2.1 Important errata

Three important errata are being published as part of these questions and answers. They are highlighted in red below as part of the answers to questions 10, 11 and 14.

1.3 Administrative questions

Question 1: What is the duration of the maintenance guarantee?

- *As per §278, p.33 of the contract: “The warranty period commences on the date on which provisional acceptance is given and lasts for one year.”*

Question 2: If we apply for several lots, shall we submit our tender for each lot in separate envelopes or all in one envelope?

- *As per §73, p.14 of the contract: “When applying for several lots, the tenderer will submit only one tender with one single tender document, one Annex 1: Bill of quantities per lot*

and one single CD/DVD in a single envelope, mentioning on it only the references of the lots for which (s)he is applying.”

Question 3: Are we able to use the same personal staff for both lots?

➤ As per 3.4.2.3 Selection criterion 4: Personnel, p.48:

No.	Position	Minimum educational degree required	Minimum post-graduate work experience (years)	Minimum number of staff required for being awarded:	
				1 Lot (lot 1 or lot 2)	2 Lots (lot 1 + lot 2)
1	Project Manager	B.Sc in Electrical Engineering	10	1	1
2	Site Engineer	B.Sc in Electrical Engineering	5	1	2
3	Foreman	School Certificate	6	1	2

Only the project Manager may be the same person for both lots. For the Site Engineer and Foreman, **two distinct** persons and CVs must be proposed for applying to both lots.

1.4 Generic Technical Questions (applicable to all schools)

Question 4: What is the procedure of the work to make disconnection for some load from main MDB to connect solar system for the school?

➤ Reference to Bill of Quantity, Item 7.1: "The existing electrical board must be arranged as per instruction and the contractor must take in consideration the loads' cable". Furthermore, sheet EO2 of Annex 2 titled "Loads Rated – Single Line Diagram" shows the mechanism of load rearrangement.

Question 5: What are the types of solar panel technology? Bifacial or another technology?

➤ Reference to Bill of Quantity, Item 1.1: the solar panel technology shall be Bifacial technology.

Question 6: Can we supply and install one string of batteries with same KW capacity?

➤ Reference to Bill of Quantity, Item 3.1: "At least two string batteries group connection".

Question 7: What is the internal resistance of the battery?

➤ Reference to Bill of Quantity, Item 3.1: "Internal resistance: 0.1-0.15 mohm for each battery".

Question 8: Are the locations for the control rooms identified for all schools, and on which floor?

- *Yes, all the control rooms of the solar systems for all schools will be located at the ground floor.*

Question 9: Item of Air condition, does the set mean 4 number of air condition units?

- *Yes*

Question 10: What is the size of solar DC cable?

- **ERRATUM#1:** *Item 1.1: the size of solar DC cable shall be **6 mm²**, as mentioned in the Bill of Quantity (and not 10mm² as erroneously specified on the plans).*

Question 11: Reference to BoQ, item 8.4, does the item include for manholes or not?

- **ERRATUM#2:** *Item 8.4 Specifications are now for both lots: "Supply, lay the underground piping 2x6" include the excavation in all soil type to the level varies between 0.8 to 1.0 meters below the finish ground level, the pipes shall be for the electric power AC cables made of UPVC (SN8) c/w sleeves, elbows of different angles, etc. 10cm od clean sand to be under and above the pipes in the excavated trench and the pipes will also be protected with concrete tiles of thickness not less than 5cm, install warning tape of approved materials with text in both Arabic and English warning of electric cables below at 40cm from ground, backfilling to restore the soil to its natural case. the price includes reinstatement of existing interlock or tiles. **The works shall include 2 manholes at each school (in both lots) size 80cm in diameter with 25-ton cast iron manhole cover.**"*

Question 12: Reference to item 11.1, does **the item include for supplying and installing** lighting fixture with lamp or lighting lamp only?

- **Only** the lamp is required as per the Bill of Quantity.

Question 13: Shall the contractor adopt the metal structure from engineering office or not? The contractor should be work as specifications and drawing in the bid?

- *The tenderer shall adopt the design provided in the tender documents.*

Question 14: Regarding the above subject, we would like you to clarify some differences in the technical specifications of PV Mounting Structure in the sectional area of the profiles shapes. Please specify the sectional area required for the different parts of the PV Mounting Structure (beam over the legs in drawings It is indicated once by 6*6*2.7 and once 4*4*3)
- Please specify the sizes of the concrete base used in the PV Mounting Structure (in drawings 60*60*30 and in BoQ 30*30*30)?

- **ERRATUM#3:** *The main supporting beams on top of the columns shall be **60x60x2.7mm** (and not 40x40x3mm as erroneously shown in drawing sheet S01). Furthermore, the concrete base shall be **60x60x30cm** as shown on drawings (and not 30x30x30cm as erroneously called out in the Bill of Quantities under item no. 10.1).*