



AMENDMENT NO. 3

Date: 24/02/2021

Subject : Amendment No:3 to Invitation to Bid (ITB) for “Turnkey Supply and Installation of Wind Turbines” within the scope of “Increasing Employability for Syrians and Turkish Host Community Members in the Renewable Energy Sector” issued on 08 February 2021

Ref: UNDP-TUR-ITB(KR)-2021/02

Dear Madam/Sir,

Please find **ATTACHMENT-1 for the “ANSWERS TO QUESTIONS FROM PROSPECTIVE BIDDERS”** within the context of subject ITB issued on 08 February 2021 for “Turnkey Supply and Installation of Wind Turbines” within the scope of “Increasing Employability for Syrians and Turkish Host Community Members in the Renewable Energy Sector”.

You are kindly requested to prepare and submit your bids in response to our subject ITB with consideration of this amendment whereas all other clauses of the ITB remaining valid.

Please make sure that you submit your bid via eTendering System latest by **March 02, 2021 07:00 a.m. – (New York local time Zone)**.

ATTACHMENT-1 ANSWERS TO QUESTIONS FROM PROSPECTIVE BIDDERS

Yours sincerely,

UNDP Turkey Country Office

ATTACHMENT-1 ANSWERS TO QUESTIONS FROM PROSPECTIVE BIDDERS

Question 1: Concerning the voltage parameters indicated in Item 1.5 under Section 5a: Schedule of Requirements and Technical Specifications in the ITB, how many inverters/transformers shall be provided?

Answer 1: The bidders are expected to turnkey supply and install the Wind Turbines including all the accessories for the proper functioning of the whole system. The bidders shall submit their bids including their own configuration for capacity of the complementary items (i.e., with or without inverter, transformer, battery charger, regulator, resistance, etc.) based on capacity of the wind turbines to be offered as a compatible system, provided that they meet the requirements defined in the Section 5a: Schedule of Requirements and Technical Specifications of the ITB. As clearly defined in FORM F: Price Schedule Form of the ITB, the bidders shall include all types of costs to be incurred until turnkey delivery of the turbines at locations stipulated in the ITB in their bid prices (including but not limited to the terms and conditions defined in Section 5b: Other Related Requirements). No additional payment over and above the bid price of the successful bidder shall be made and Bidders are advised to carefully review the terms and conditions of the ITB.

Question 2: Concerning the Item 1.9 under Section 5a: Schedule of Requirements and Technical Specifications in the ITB, can we choose from any of the applications mentioned as long as the system includes and is able to charge four (4) gel type batteries with 12V nominal voltage and 200 Ah capacity?

Answer 2: The system should be compatible with all of the applications (i.e. on-grid, off-grid, hybrid and energy storage) defined in item 1.9 under Section 5a: Schedule of Requirements and Technical Specifications of the ITB. As clearly indicated in item 1.20 under Section 5a: Schedule of Requirements and Technical Specifications of the ITB, installed system shall include and be able to charge four (4) gel type batteries with 12V nominal voltage and 200 Ah capacity. Apart from energy storage applications defined in item 1.20, all required equipment (i.e. solar panels, on-grid inverter, construction (aluminium profiles), cabling and connectors) for on-grid, off-grid and hybrid applications shall be provided by UNDP to schools, and installed system should be compatible with on-grid, off-grid and hybrid applications as well. Teachers and students will use the installed system for on-grid, off-grid, hybrid and energy storage applications during the training courses.

Question 3: Concerning the Item 1.8 under Section 5a: Schedule of Requirements and Technical Specifications in the ITB, can “negative pitch control by centrifugal force” or “centrifugal pitch control” be considered acceptable for Overspeed and Storm Protection system defined (i.e. Active pitch control)?

Answer 3: Kindly be informed that most of the large-scale wind turbines operating in the wind farms have active pitch control feature. It is aimed to provide conditions as close to reality as possible for the students within the scope of their trainings. “Negative pitch control by centrifugal force” and “centrifugal pitch control” are different overspeed protection methods than active pitch control and therefore, they cannot be considered acceptable within the scope of Item 1.8 under Section 5a: Schedule of Requirements and Technical Specifications of ITB.

Question 4: Should the training mentioned in the ITB be 12 hours for each location or 12 hours in total?

Answer 4: Duration of the training shall be 12 hours for each location. It is clearly stated in Article “Scope of Training on Operation and Maintenance” under Section 5b: Other Related Requirements of the ITB that the Contractor shall provide minimum 12-hours hands-on training for each turbine.
