



Subject: MINUTES OF THE PRE-BID MEETING REGARDING PROCUREMENT OF SOLAR ENERGY SYSTEM AT 06 HERITAGE SITES UNDER THE WORLD BANK FUNDED “PUNJAB TOURISM FOR ECONOMIC GROWTH PROJECT (PTEGP)

The pre-bid meeting was held on May 25, 2021 at 12:30 PM under the chairmanship of Project Manager PTEGP. Participants from 13 firms attended the meeting as per attached list.

Participants had queries regarding RFB, qualifying criteria and technical specifications. Most of the questions were sent in writing by the firms, following are the questions and their replies:

Quires	Annotated Replies
1. In LOT-5 140kwh system required, but as per Technical data sheets of inverter, it is written as 6* 5kwatts, 1*110kwatt and 1*36Kwatt inverter required, as per our observation there is a mistake and only 6* 5kwatts,1*110kwatt inverters should be required. Also it's not mentioned that both are hybrid inverters or Ongird as MPPT inputs /current range are missing for 110KW/36kw please explain it, Same goes for lot 1-2 & 6.	Please refer to Point No. 1.1 and 2.1 at attached updated specifications
2. In LOT-1-4 & 6 40kwh system required, but as per Technical data sheets of inverter, it is written as 1* 5kwatts,1*110kwatt and 1*36Kwatt inverter required, as per the qty of solar panel mentioned total PV capacity would be 40KWs so only 1* 5kwatts,1*36kwatt inverters should be required	Please refer to Point No. 1.2 and 2.2 at attached updated specifications
3. All Tier-1 panels (Longi, Trina, JA, Jinko) with power rating of around 535watt comes with higher dimension in compare of mention panels in data sheets, so can we quote with best possible Tier-1 panels nearer to the specs mention in the tender document.	Follow the same as mentioned in attached specifications or higher
4. As per tech specs 12*5.7kwatt Battery banks required, so total backup would be around 68.4kwatt As per our understanding we can place two battery banks with a single 5 kwatt inverter, so we have 6*5kwatts inverters means we can utilize all 12 banks in this way and can provide separate 3 phase on grid inverter of 110 Kwatt for LOT-5 and 3 phase 36kwatt on grid Can we quote with the same approach?	Please refer to Point No. 1.1, 1.2, 1.3, 2.1, 2.2 and 2.3 at attached updated specifications
5. As per specs battery type is not mention so can we quote a Bank of Tubular/ lead acid battery?	Follow the same as mentioned in attached specifications
6. Can we quote logging and monitoring device with some different features but including the main function?	Follow the criteria of minimum specifications mentioned in the RFB you can quote any better device
7. Sites pictures and Civil drawing are not available, then how can we know that if this system will be G-mounting or Elevated structure?	Please refer to Point No. 1.13 and 2.13 at attached Updated specifications
8. Are we supposed to provide SITE drawings or it means SLDs to show main components and connections? According to a clause it is written that successful bidder will require to do a survey then how can we provide Drawings of our proposed system.	Drawing are not required at the time of bid submission successful bidder will be required to submit drawings as per RFB along with solar prototype
9. Two single phase distribution panels required? but according to other requirement 3 phase system is also required then why we are limited to provide only single phase distribution panels	Please refer to Point No. 1.1, 1.2, 2.1 and 2.2 at attached updated specifications
10. Pakistan's standard single phase voltage is 230V whereas rated voltage of 220V has been assumed in the document. Please clarify.	Please refer to Point No. 1.1, 1.6, 2.1 and 2.6 at attached updated specifications



11. What shall be the criteria of After Sales Service? Would it be considered for operations and maintenance during the warranty / defects liability period or specific SLA's would be signed for this purpose after DLP.	After warranty period annual cost of Service Level Agreement for information purposes Availability of parts after warranty period by the supplier and distributors
12. Sr. no. 1, 5 KW inverter, there is no mention in the type of inverter. Kindly specify the type i.e. On-Grid / Off-Grid / Hybrid.	Please refer to Point No. 1.1 and 2.1 at attached updated specifications
13. Sr. no. 7, Panel frames, what is the gauge of GI Sheet required?	Please refer to Point No. 1.7 and 2.7 at attached updated specifications
14. As per Bidding Documents, the successful bidder would require to submit the design of the solar system for each site which may need a variation of items like the capacity of Inverter, batteries, PV panels, supporting frame structure –their heights, support member size, its usage as parking shed, etc. and electrical wiring, switches, etc. should such variation would be permissible according to site requirements as per contract?	Actual payment will be made on final drawings and BOQs approved by competent authority and submitted by successful bidder.
15. After Defect Liability Period Warranty would be available in Pakistan.	Vendor is bound to provide the list of manufacture and authorized distributors and also provide verifiable Brochure
16. In case of JV no explicit criteria is given except that JV partner must meet the minimum criteria. Please clarify.	JV members will be evaluated separately have comparable experience and qualification requirements as per given criteria in RFB
17. Can a bidder participate in single LOT or participation in all LOTs in compulsory?	Bidder can participate in each lot separately
18. What does it mean by loan or financing agreement amount of 55million dollars?	This is total loan received from WB by Government of Punjab for Tourism Project and Installation of Solar panel is one of the activity
19. We checked and found it is NCB (National Competitive Bid), can foreign company participate or only local company can participate?	Foreign company can participate
20. Change of Bid Security from CDR to Insurance Guarantee would ensure cash flow of contractor for timely completion of the project.	Only CDR will be acceptable
21. In advertisement the words “National Competitive bidding (NCB)” and “International Competitive Bidding (ICB)” has been used interchangeably in the bidding document. Needs clarifications.	Only NCB
22. Please clarify, whether the cost of design is to be included in the bid price or purchaser shall provide the complete design.	Cost of design is to be included in the bid price
23. In Price Schedule (Goods Manufactured Outside the Purchaser’s Country, to be Imported), it is mentioned that in column 2 that unit price CIP based on final destination (Jahangir Tomb, Lahore etc.) as per ITB 14.8 (b)(i) whereas in column 8 the inland transport charges are required which appears to be redundant in nature/clash with column 2. This aspect needs clarification.	Agreed, however inland transportation charges may be submitted for price analyses.

The meeting was concluded with a vote of thanks from the chair.

Participants:

1. Project Manager, PTEGP
2. Civil Engineer, PTEGP
3. Procurement Specialist, PTEGP
4. Procurement Assistant, PTEGP
5. Environment Specialist, PTEGP



6. Waseem Akram, NRTC
7. Inam Ullah, NRTC
8. Sheraz Tahir Khan, SSP/NRTC
9. Bilal Khan, SSP/NRTC
10. Usama Riaz, Power Highway
11. Fakhir Faiz, Ningbo Green Light energy (Pvt) Ltd
12. Muhammad Yaqoob, Mk Engineers & Consultants
13. Hassan Shahid, MK Engineers & Consultants
14. Saleha Attiq, MK Engineers & Consultants
15. Zahid Pervez Butt, MK Engineers & Consultants
16. M. Abdullah, NRTC
17. Bilal Khan, WRL
18. Shahrukh Shehzad, Solar Tech Pvt Ltd.
19. Usman Shahid, NGCE
20. Azeem Mehmood, Dynamic Green (Pvt) Ltd
21. Tazeem Akram, Solar Tech Pvt. Ltd.
22. Fahad Khosa, Dynamic Green (Pvt) Ltd
23. Mohsin Kiramani, OTC-Pakistan
24. Faheem Ul Hassan, Sunration Energy Pvt. Ltd.