Nepal Electricity Authority

Supply, Installation, Testing and Commissioning of Parwanipur-Pokhariya 132kV Transmission Line

PMD/PTDSSP/HPP/2080/81-01

S.No.	Clarification from Bidder	NEA's Response
1	Employer shall provide structural drawing, shop drawing (if required) and bill of Material of QA and QD type Tower to the contractor: Please confirm	The detailed design SLDs of QA, QB, QC and QD towers and their extensions will be provided to the successful Bidder/Contractor. Contractor shall be required to check the design and develop structural drawing (Auto Cad format), BOM and shop drawings (Auto Cad format) for all above towers and its extensions and submit the same for approval of employer.
2	Employer's Consultant has revised the design of QA, QD with existing General arrangement of Tower Geometry: We presume that the present BOQ given in Volume III of III of tender documents is as per the revised design of QA and QD type towers. Please confirm.	Your assumption is correct
3	QB and QC type towers are newly designed for this project: We presume that the present BOQ given in Volume III of III of tender documents is as per the newly design of QB and QD. Please confirm.	Your assumption is correct
4	Design SLD of QA, QB, QC & QD will be furnished to the contractor: Please clarify what is meant by design SLD of QA, QB, QC and QD	Showing the details of Group members: what is leg & what is the diagonal size and what is the redundant size etc. Based on this SLD, Contractor can prepare the GA drawings and shop drawings for fabrication.
5	Contractor shall be required to check the design and develop structural, BOM and Shop drawing for all types of tower and its extension: i. As per point no. 1, if employer shall provide structural drawings, shop drawings and bill of materials of QA and QD type towers then please advise whether contractor has to again design and develop structural drawings, BOM and shop drawings for QA and QD type towers? ii. We understand that QB and QC type of towers are newly design for this project, we presume that this new design of QB and QC type tower will also be provided by the employer to the contractor. Please confirm.	Refer to see the S. No. 1 of this Clarification above.

Nepal Electricity Authority

Supply, Installation, Testing and Commissioning of Parwanipur-Pokhariya 132kV Transmission Line

PMD/PTDSSP/HPP/2080/81-01

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6	As per note under this clause that type testing of updated QA and QD type of tower is not in Contractor's scope. Please confirm that no type tests are to be performed on these towers.	The Bidders are required to quote the price of Prototype tests of all the towers mentioned in Schedule 4(E) of Volume III of the Bidding document. Further, the prototype should be done according to IEC 60652:2021 in a internationally accredited independent testing laboratory. [Note: Destruction Tests:The Contractor has to perform the prototype testing of the tower to the point of destruction after it has successfully passed the design load tests. This is done to understand the tower's ultimate capacity, identify weak points, and observe the failure mechanism under extreme conditions. This information is valuable for refining designs and ensuring the safety and reliability of future towers.]
7	In view of point 6, hence we also presume that type testing of newly design QB and QC tower's are also not in the scope of contractor. Please confirm that no type tests are to be performed on these towers.	Refer to see S. No. 1 and 6 of this Clarification above.
8	However we understand that prototype test and inspection shall be arranged for all types of towers i.e. QA, QB, QC and QD by the contractors. Please confirm	Your assumption is correct
9	Clause No 1.1.2.4 of VOLUME: - II OF III (Employer's Requirements), Chapter-I: Project Specific Requirement (PSR): It states that "Bidder shall submit his offer taking into consideration that the tower design / drawings shall be developed / provided by employer". This is in contradiction with clause number 1.1.2.1 (Point 1 to 8 above). Please clarify.	Refer to see S. No. 1 to 8 of this Clarification above.
10	In reference to Price Schedule No 1, item No 1, Quantity mentioned is only 77 Nos. of Towers as per approved profile but as per Price Schedule 4A, item no. 1a, profile has to be prepared and submitted to employer for approval. We seek clarity over the quantity of Towers as well as approval of profile.	The survey was done in detail but long back. Now contractor has to conduct the detailed survey in the same alignment accordingly. Profiles shall be prepared to ensure the proposed towers and their extensions.
11	As per tender documents, ROW will be assisted by Client but compensation will be cleared by Contractor. In case contractor has to pay the compensation, please provide applicable rates for such compensations in NEPAL and volume of compensation to be considered.	Please follow, "CHAPTER 1: PROJECT SPECIFIC REQUIREMENT, 1.4 Access to the Line and Right of Way." of Volume II.

Nepal Electricity Authority

Supply, Installation, Testing and Commissioning of Parwanipur-Pokhariya 132kV Transmission Line

PMD/PTDSSP/HPP/2080/81-01

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12	After checking the design drawing / at the time of proto testing of tower, if redesign / Modification in tower is required then redesign and Extra material cost (in case tower becomes heavier w.r.t BOQ) can be considered in Price BOQ or not. Kindly Confirm.	The payment of the tower structure is based on Metric Ton basis as unit. Also Refer to see the S. No. 38 of this clarification
13	If Volume of Foundation changes during detail engineering and design stage, then extra cost of concreting will be considered in respective Price Schedule or Not. Kindly Confirm.	The payement for foundatoin are cu.m basis not by classification basis as unit.
14	Excel file of Price Schedules.	Refer the NEA's website: https://www.nea.org.np/tender_prequalification
15	Word file of Section 4 - Bidding Forms & CHAPTER 11: TECHNICAL SCHEDULE	Refer the NEA's website: https://www.nea.org.np/tender_prequalification
16	AutoCAD Drawings of tower SLDs and foundation drawings.	Refer to see the clarification above (1-9)
17	Clause No 4.5.4: Preliminary Design of VOLUME: - II OF III (Employer's Requirements), Chapter 4: Transmission Line Towers: We understand from this clause the following: 1. Quote "The preliminary Checking design of the towers including suspension and tension tower design shall be prepared at the start of the project which shall be sound in engineering and economical in design. The preliminary design shall consist of all the necessary items/ components required to complete the tower to be erected. This preliminary design shall be presented to the Employer with the line diagram and design calculation for approval". Unquote. From the above clause it appears that a preliminary design check for the towers is required at the start of project and must be submitted to the Employer along with line diagram and design calculations for approval. However, we note that Price Schedule 3: Design Services specifies as "Not Applicable." This appears to be a contradiction. We kindly request clarification on whether bidders are required to include the design of towers and their foundations for various soil types as part of the offer.	Refer to see the clarification above (1-9) (Tower designs are to be checked by the contractor , before preparation of GA drawings and need to check the foundation design also (refer clause 1.1.2.3 of PSR for foundation). Any design cost not mentioned in specifically in the BOQ shall be included in the quoted price.

Nepal Electricity Authority
Supply, Installation, Testing and Commissioning of Parwanipur-Pokhariya 132kV Transmission Line
PMD/PTDSSP/HPP/2080/81-01

S.No.	Clarification from Bidder	NEA's Response
18	Clause No 2.5: Subcontractors of VOLUME: - I OF III , Section 3 – Evaluation and Qualification Criteria: Under the column titled "Documents Submission Requirements," it is stated that Form EXP-3 is to be submitted for suppliers of Tower and Tower Parts, ACSR Conductor, and OPGW. We seek your clarification on whether this form is required for proposed civil subcontractors or only for equipment/material suppliers as listed.	Refer to see the bidding document.
19	The form ELI – 2 titles "Joint Venture Information Sheet", we understand that this form is required only if the bidder is participating as part of a Joint Venture. However, the form also states that it must be filled out by subcontractors listed in the Technical Proposal – Proposed Subcontractors and/or Manufacturers for Major Items of Plant and Services. Kindly clarify: • Who exactly is required to complete this form? • Is it mandatory to submit the documents listed under points 1 and 2 of the form for all subcontractors and/or manufacturers?	Refer to see the bidding document.
20	In Section 3 - Evaluation and Qualification Criteria, clause no. 2.5: Subcontractors Under the column "Minimum Criteria to be met", it is stated: "Must submit the type test report carried out in internationally accredited independent testing laboratory over last 5 (five) years." We seek clarification on whether type test reports that are older than five years, but still relevant, would be acceptable.	Refer to see the bidding document.
21	Please refer clause no. 21: Bid Security/Bid Securing Declaration, sub-clause 21.3 of section 1- Instructions to Bidders, Vol. I of III from Bidding Documents. Please confirm will the Bank Guarantee in USD issued by an Indian Bank is acceptable.	Must be counter guaranteed by Nepalese Commercial Bank.

Nepal Electricity Authority

Supply, Installation, Testing and Commissioning of Parwanipur-Pokhariya 132kV Transmission Line

PMD/PTDSSP/HPP/2080/81-01

S.No.	Clarification from Bidder	NEA's Response
22	Please refer clause no. 8.4 (Buffer Tube), Chapter 8: OPGW & OTE from Vol. II of III (Employer's Requirements) of Bidding Documents. It is mentioned in that, "A fiber unit may consist of up to 6 fibers," but in Section 8.2 "Technical Requirements," requirement of 48 fibers OPGW is mentioned, which would necessitate 8 fiber units, resulting to cause the supporting cross-section to exceed the required 68 mm² and other parameter requirements significantly. We understand that the newly required 48-core structural parameters in the document are based on the 24-core design. If designed with 6 fibers per tube in 8 tubes, the parameters will differ significantly from those of the 24-core design. Please clarify if 24 core fibre OPGW design is to be considered or the cross-section requirement can be altered.	The OPGW shall have 48 single-mode optical fibres. The requirement of "6 fibres per buffer tube" as mentioned in Section 8.4 is indicative and may be optimized based on manufacturer design practices (e.g., 6, 12, or 24 fibres per tube) to limit the cross-sectional area, cable diameter, and weight within practical limits, similar to or slightly exceeding the 24-fibre OPGW mechanical parameters. Final OPGW mechanical properties such as Rated Tensile Strength (RTS), short-circuit thermal withstand, sag-tension behavior must comply with system design requirements and IEC 60794-4-10 standard."
23	In section 3- Evaluation and Qualification Criteria, Item No. 1, ii: please amend as "In case, the bidder is domestic manufacturer, the bidder shall submit end certificates showing that the manufacturer has successfully completed the supply of at least 50% of bid quantity as a main supplier over the last five (5) years"	No amendment is required.
24	In section 3- Evaluation and Qualification Criteria, Item No. 1, iv: Please delete the words "Over last 5 (five) years period for the size offered".	No amendment is required.
25	According to which have mentioned in Chapter 8, Section 8.4 "Buffer Tube" of the bidding document, "A fiber unit may consist of up to 6 fibers," but in Section 8.2 "Technical Requirements," 48 fibers are required. This would necessitate 8 fiber units, which would cause the supporting cross-section to exceed the required 68mm² and other parameter requirements significantly. The newly required 48-core structural parameters in the document are based on the previous 24-core design. If designed with 6 fibers per tube in 8 tubes, the parameters will differ significantly from those of the previous 24-core design.Please clarify if we should consider 24 fibre OPGW design or we can adjust the cross-section requirement.	Refer to see the clarification 22

Clarification I

Nepal Electricity Authority
Supply, Installation, Testing and Commissioning of Parwanipur-Pokhariya 132kV Transmission Line
PMD/PTDSSP/HPP/2080/81-01

S.No.	Clarification from Bidder	NEA's Response
26	According to our calculation, the aluminum area 264.4 is using a diameter of 3.35 mm. However, per Volume II of III, Chapter 11, sub-clause 11.10 Schedule A.10 Line Conductor, Item 1.3.1, the aluminum diameter requirement is 3.38 mm for aluminum area 264.4 mm2. Please clarify.	As per Chapter 11, Volume II, 11.10, Schedule A.10
27	Also, please clarify whether we can use a plastic cover instead of bamboo paper to cover the conductor drum?	Follow the specification.
28	Wlrh reference to Clause 7. I of Instruction to bidder of above reterred contract package, we would like to request you to verify following and amend the bid document accordingly. Please confirm if the site possession status with all clearance of Trees, Electricity Poles, Public Structure will be provided before Time for Commencement as per SCC S.N 8: Time for Commencement and Compilation.	Follow the bidding document.
29	Being involved in several ADB funded project we have observed that, each party requirement of Similar size and nature is applicable only for Complex works as per note "c"of the same criteria. This type of Transmission Line works can be categorized into non-complex works as the participation of Local Contractor can facilitate and execute the Survey, Civil, Installation etc works effectively. For Example: Ceylon Electricity Board Sir Lanka, Power System Strengthening and renewal energy integration project, ADB Loan No: 4548-Sri, Package 2: Procurement of overhead Transmission line on turkey Basis, procurement of Plant, Desing, Supply and Installation -Single• stage, Two-Envelope bidding procedure where Each party Requirement of2.4. 1 Contract of Similar Size and Nature is not applicable for which bid is published on March 27, 2025. In this regard, wc rcquest you to make similar type of provision in Nepal removing suuh cacl paly similar size and nature works experience as both the projects seems similar in nature and we know that, ADB procurement guideline is not different in ADB member Countries.	Follow the bidding document.

Nepal Electricity Authority
Supply, Installation, Testing and Commissioning of Parwanipur-Pokhariya 132kV Transmission Line
PMD/PTDSSP/HPP/2080/81-01

S.No.	Clarification from Bidder	NEA's Response
30	Volume III, Schedule 1, Column 10 (Custom, VAT and other taxes) : Is this column required to fill by the Bidder?	No, not require to fill by the Contractor
31	Vol-1 Section-3: Domestic Preference:The preference margin shall not be applied to the whole facility but only to the eligible domestically produced Plant and Equipment within the contract. In the comparison of Bids, only the CIP price component of each Bid for the Plant and Equipment offered from outside the Employers country shall be increased by 15%. To our Understanding, the applicable domestic preference shall only be applied to the portion/value of the applicable Eligible item and not on full contract value. Please clarify.	Your understanding is correct.
32	Vol-1 Section 3 EQC : Clause : 2.5 Subcontractors: Here No Qualification Requirement has been asked for the Insulators & Hardware fittings for Conductor/OPGW. As per our understanding No vendor documents/credential are required to be submitted in the bid for the same. Please confirm.	Your understanding is correct but they must be submitted and get approval during contract implementation phase.
33	5.1 Supply of ACSR conductor and OPGW : Page 193 of 193: Supply of ACSR conductor and OPGW – Basis length of supply in KM.Please confirm that additional quantity of conductor towards sag, jumper and wastage shall be paid as per supply line item in KMs.	1% for the sag/jumpering shall be beared by the Employer in the supply portion.
34	Vol-2 Ch-10 , Insulators & Hardware Type Testing: In case the offered Insulator unit is fully type tested and applicable type test reports are available then as per our understanding there is no need to perform the type test on those insulator units again. Pls Confirm if the understanding is correct or Clarify your position in this regard.	Your understanding is correct.

Nepal Electricity Authority
Supply, Installation, Testing and Commissioning of Parwanipur-Pokhariya 132kV Transmission Line
PMD/PTDSSP/IFP/2080/81-01

S.No.	Clarification from Bidder	NEA's Response
35	Vol-2 Ch-8, OPGW & OTE: In case successful type test report is available for the offered OPGW, the contractor shall not be required to perform those type test again during project execution. Pls confirm.	Your understanding is correct.
36	Vol 2, 2.6 - Variation in Quantities of Work , Page 11 of 193, Clause 1.1.2.1:In the course of check survey, tower staking; installation of special tower (other than the tower type specified in the schedule) or modification on the cross-arm may be found necessary. In such case the Contractor shall conduct design related works without any additional cost to the Employer. Payment for the special tower and the modified cross-arm will be made at the unit rate of the tower material (weight) used. Unit rate will be derived as described above on the basis of QD type tower. Charges for the same are deemed to be included in the quoted prices. During execution if other type of towers/Structures Viz. River crossing towers/special towers, Gantry, tower of Higher extensions, towers of different configuration for which design is not in the scope of Contractor, fabrication and installation of these items shall be carried out by the contractor.Please clarify whether the scope of additional tower of different configuration is to be done by Contractor or by Employer.	As per the initial field survey, the tower types and extensions were designed and corresponding quantities were considered in the Bill of Quantities. However, during execution, if site conditions necessitate strengthening of towers or the use of higher extensions, such requirements shall be addressed by extending the basic design provided. Furthermore, in line with Clause 1.1.2.1, if any additional tower configurations or structures (such as river crossing towers, gantries, or other special towers) become necessary—which were not part of the original design scope—then the Contractor shall be responsible for carrying out the associated design and drawing preparation at no additional cost to the Employer. Fabrication and installation of such structures shall also be undertaken by the Contractor. Payment for these works shall be made on a weight basis at unit rates as stipulated in the tender.
37	If contractor finds the design given is non compliant to the tender specification, then shall be accountable for design error. To our understanding it shall be the Employer's Responsibility to correct or modify as they are the provider of the design. Pls confirm.	As per Clause 1.1.2.1 of the Tender Specifications, "Regardless of the actual requirement at the site, the Contractor shall be required to review the design...". Accordingly, it is the Contractor's responsibility to critically review the design provided by the Employer/Consultant. In case any non-compliance or deviation from the tender specifications is observed, the Contractor shall bring the matter to the Employer's attention with proper technical justification. Upon review and acceptance by the Employer, necessary modifications, if any, shall be incorporated during the preparation of GA drawings, shop drawings, and Bill of Materials. Therefore, while the initial design is provided by the Employer, it is the Contractor's obligation to ensure compliance through due diligence during the design review stage.

Nepal Electricity Authority
Supply, Installation, Testing and Commissioning of Parwanipur-Pokhariya 132kV Transmission Line
PMD/PTDSSP/HPP/2080/81-01

S.No.	Clarification from Bidder	NEA's Response
38	In case tower type test Fails, We understand it shall be the employer's responsibility as the tower fabrication/shop sketches etc are based on the design given by the employer and any load test failure is attributable to the tower design. Pls Clarify.	While the tower design and loading parameters have been provided by the Employer, it is the responsibility of the Contractor to thoroughly review the design, verify its adequacy, and ensure that the tower is fabricated, assembled, and tested in accordance with applicable standards and specifications. The Contractor shall take full responsibility to ensure that the tower passes the type test under all specified load conditions. Any failure during testing shall be attributable to shortcomings in fabrication, detailing, or failure to identify design-related issues during review, and shall be rectified by the Contractor at no additional cost to the Employer.