

Clarification on Queries for Consulting Services: Transmission Line Design, Tower spotting/scheduling, BoQ Preparation and Cost Estimation of Sitalpati-Dhungesagu 220 kV Transmission Line Project

S.N	Reference	Description	Queries	Clarification
1	Section 7. Terms of Reference 4.1 Review of Survey report	Verification of angle points of tower locations obtained from detailed survey comes under the scope of Consultant. Furthermore, the consultant shall revisit detailed route identified during design as well as perform assessment for the plan and profile of the route.	Please clarify that the verification of angle points of tower location before tower spotting in PLS-CADD is required or not. It is better and effective to visit the TL route during feasibility design phase after profiling of TL route in PLS-CADD i.e., during check survey. This allows us to verify the tower locations including the tower locations revised during profiling of TL in PLS-CADD.	Field visit of AP locations deemed critical by the client after initial spotting using PLS-CADD might be necessary.
2	Section 7. Terms of Reference 4.2 Design of Transmission Line, IV	The height of the towers, insulator strings, hangers and other attachments. Use of reinforced cross arm to take of extra weight span will increase additional load on the tower leg and other tower members. The towers in all locations may not be adequate to take care of this additional load due to extra weight span. Therefore, the design of the tower to be reviewed before putting extra weight span by reinforced cross arm.	Please confirm the availability of The design report, design calculation, loading calculation and design file (i.e., .tow file of PLS-Tower) of all tower family for the review of the tower design for the additional weight due to reinforced cross arm. Alternatively, consultant will propose the strengthening of the towers which have weight span violation and EPC contractor will do detail assessment and review of the tower design during the detail engineering design phase.	Cross-arm reinforcement, where unavoidable span violations might occur, to be recommended. Detailed cross-arm reinforcement design not necessary at this stage.
3	Section 7. Terms of Reference 4.2 Design of Transmission Line, VII	Select design parameters/criteria for the transmission line as per IEEE standard 1724: Guide for the preparation of a Transmission Line Design Criteria Document. However, other standards such as IEC 60826, ASTM, BS, IS shall	It is better to adopt IS 802 codes rather than other codes as IS 802 is more applicable in case of Nepal than other codes. Please confirm.	Designs as per IS 802 code allowed where appropriate. Other relevant codes to be used as supplement to IS 802, where required.



		be used for design of specific components and for any aspect not covered by IEEE.		
4	Section 7. Terms of Reference 9. Time schedule	a) Time of Completion: 18 weeks from the date of contract. e) The consultant shall achieve Milestones-4 within 16 weeks from date of contract.	The time of completion of scope of work is 18 weeks from date of contract but it is mentioned that the consultant shall achieved final milestone i.e., Milestones-4 within 16 weeks from date of contract. There is discrepancy in time of completion of scope of work. Please suggest.	Weeks 17 and 18 of the time schedule are reserved for the client's internal processes.
5	PART I Section 1. Letter of Invitation	Point no 7. The composition and share structures of the JV shall be the same as proposed during the Expression of Interest.	Does this apply only to the consortium partners and share percentage? Can we replace the CVs of expert at the RFP stage?	As per clause 7.
6	9. Time Schedule	Point e. Milestones-4 within 16 weeks	Milestones-4 Instead of 16 weeks. We believe it is 18 weeks. Please confirm.	Weeks 17 and 18 of the time schedule are reserved for the client's internal processes.



