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| **S​l. No.** | **Clause ref** | **Queries asked by the bidder** | **POWERGRID’s  clarification** |
|  | Volume II,  Section II,  Clause 1.1.3 | Indicative length of composite post insulator is 3350 mm. is it permitted to join 2 insulators to meet the length requirement? If 2 insulators are joined, Corona Ring configuration details is required. | Bidder may refer clause 1.1.3, Section-II of the technical specification which indicates the no. of individual units per string for brace and post insulator.  It is clarified that 2 insulators joined to meet the required length is not permitted. |
|  | Volume II,  Section II,  Clause 1.4.9, Table-I | It is indicated that End fitting components are to be made of cast steel. Is it cast steel or SGI? Again, EN-10083 is the reference standard. This standard is for steel rounds. | Bidder may refer Table-1 at clause 1.4.9, Section-II of the technical specification wherein use of specified grades of cast steel for end fittings have been permitted. However, SGI is not permitted. |
|  | Volume II,  Section II,  Clause 4.4 (b) | Use of malleable casting is mentioned in this clause. Please let us know which component can be made of malleable castings? | Bidder may refer Table-1 at clause 1.4.9, Section-II of the technical specification regarding permissible material grade for various items. It is clarified that malleable castings is not permitted. |
|  | Volume II,  Section II, Clause 1.1.3 | Indicative length of composite post insulator is 3350 mm. if it is permitted to join 2 insulators to meet the length requirement ,then what is the load requirement on the each of the insulator ?. | Pls refer Clarification at Sl no.1 above. |
|  | Volume II,  Section II, Clause 1.1.3 | If Post Insulator of length 3350mm is formed with 1 Insulator, then we assume the Tensile load requirement is 240KN, Is it correct? Alternatively we presume if 2 strings having length of 3350 each used ,then in that case load requirement on each of these strings is 120KN instead of 240KN. | Bidders understanding is correct. Further, bidder may refer clause 1.1.3, Section-II of the technical specification indicating the electro mechanical strengths of individual insulator units for 2x1 and 1x1 arrangement for post insulator. |
|  | Volume II,  Section II, Clause 1.1.3 | It is requested to please share the Details on fixing arrangement at the Tower end. (Drgs./schematic) | Bidder may refer bid drawing attached with the technical specification for fixing arrangements. Further, based on the offered design of insulated cross arm, details of fixing arrangements shall be finalized during detailed engineering. |
|  | Volume II,  Section II, Clause 1.1.3 | It is requested to please share PCD/Hole Pitch of connecting Flange at the tower end and Hardware fitting dimensions. |
|  | Volume II,  Section II, Clause 1.1.3 | It is requested to please share Photos on End fittings/Couplings ,Grading Rings, Hardware fittings are required | Bidder may refer bid drawing attached with the technical specification regarding drawing/details of hardware fittings components including End fittings/Couplings, Grading Rings etc. Design of these items is in the scope of the Contractor. |
|  | Volume II,  Section II, Clause 1.1.3 | It is requested to please share Drgs for End fittings/Couplings ,Grading Rings, Hardware fittings are required |