

SECTION-XII

Frequently Asked Questions:

1.0 Approval of drawings & Type Tests:

Question 1.1 : **Please confirm that the Type test are not required if these Tests have already been conducted?**

Answer: For validity of type test of specific item, bidder may refer following relevant clause in the Bid documents:

Sl.	Item	Clause No.
1	Earth Wire	Cl. 2.1.1 of section "V" of technical specification
2	Conductor	Cl. 2.1.1 of section "VII" of technical specification
3	Composite long rod Insulators	Cl. 4.1 of section "VIII" of technical specification
4	H/W Fittings	Relevant clause of section "VI" of technical specification

Question 1.2 : **After placement of award, do we have to take re-approval of the valid type test again and approved drawings?**

Answer: Re-approval of the valid type test reports and earlier approved drawings is not required. However, contractor is required to submit package specific endorsed drawing for use in a particular package.

Question 1.3 : **Do we need to take approval of standard drum drawings and other standard drawings for accessories in a package?**

Answer: Drawing for conductor/ EW drums and accessories are standardized and enclosed with the bid documents. These drawings need not to be approved again, if used without any changes/ modification.

2.0 Scope of Work:

Question 2.1: **Please confirm whether we can supply only Tower structure or we have to quote for the entire tender items?**

Answer: Bidder may refer to Cl. 1.1 "Scope" in Section-I, Vol-II of technical Specification under General Information & Scope, where the scope of work to be executed under the instant package is indicated. Bidders are required to quote for all items covered under price schedule. Additionally, Qualification of bidder in subject package is detailed in the QUALIFICATION REQUIREMENT sections of the bid.

Question 2.2: **Please inform Forest length, Power line crossings, River crossings, Tower Types and quantity against each type of Tower involved in the transmission line?**

Answer: Bidders may refer clause 1.2.1, Section-I of Technical Specification which states that Bidders may visit the line route to acquaint themselves with terrain conditions and associated details of the proposed transmission lines. For this purpose bidders are requested to contact the site in charge mentioned at clause 1.2.1, Section-I, Technical Specification.

Question 2.1: **Please inform locational details and terminal points of the transmission line(s)?**

Answer: Bidders may refer clause 1.3.1, Section-I of Technical Specification for locational details and terminal points of the transmission line(s).

Question 2.3: **Please provide co-ordinates for starting point, terminating point and all angle points of the line?**

Answer: Bidders may visit the line route to acquaint themselves with terrain/topography etc. & local conditions of the proposed transmission lines as per Clause 1.2.1, Section-I of Technical specification.

Question 2.4: **As per Bid proposal sheet, Stringing of Power line crossing is in bidder's scope. Kindly mention the voltage level of power line crossing and also clarify whether the shutdown will be made available for power line crossing by POWERGRID?**

Answer: The Bidders may visit the line route to acquaint themselves with terrain conditions and associated details of the proposed transmission lines. Shutdown of the lines shall be arranged by POWERGRID as per requirement. Further, it is also clarified that

provision for stringing of Power line crossings under live line condition is also covered in the specification & BPS.

During execution stage, depending upon shutdown availability & constraints, POWERGRID Project Incharge shall confirm power line crossing to be done under shutdown or under live line condition.

Question 2.5:

Who will resolve ROW issues?

Answer:

Bidders may refer clause 1.4 of Section-I of TS which inter-alia states that Right of way and way leave clearance shall be arranged by the Employer in accordance with work schedules.

3.0 Pole Structures:

Question 3.1: **Poles may not fail like lattice towers (local failures such as buckling of stiffeners and bolt failure may occur). The normal condition load may be increased by 10% and considered as destruction test. Kindly confirm the same?**

Answer: The Monopole testing shall be carried out as per the standard practice being followed for the tower testing. It is clarified that destruction test is to be carried out until monopole structures show sign of visual deformation or breakage of elements.

Question 3.2: **As per Clause no. 1.8.7 of Section-III of TS, galvanized pole is to be tested. However, as per general practice, pole structure is tested on bed in black condition (without galvanization). Kindly confirm?**

Answer: Existing provisions of technical Specification shall prevail.

Question 3.3: **Can we use the full scale tested Monopole at site?**

Answer: Pl. refer clause 1.8.5 of Section-III of TS, which inter alia stipulates that no part of any monopole structure subject to test shall be allowed to be used on the line.

Question 3.4: **Please provide us the load tree to be used for pole designing?**

Answer: It is clarified that the calculation of loads, analysis, design & detailing of monopoles is in the scope of the contractor as mentioned in the BPS, bidders may prepare their bids accordingly.

Question 3.5: **Please clarify, if the pole scrap after destructive testing of the pole structure will be the property of the bidder or POWERGRID?**

Answer: After testing of the pole, the pole scrap shall be the property of the Contractor.

4.0 Foundations & Soil Investigation

Question 4.1: **As per clause 4 of Section III of Technical specification, the Contractor may be required to undertake soil investigation at some tower locations as required by the Employer. The provisional numbers of soil testing locations are furnished in BPS. However, contractor shall take reference to the soil investigations wherever already carried out by the Employer?**

Please provide the soil investigation data for foundation design?

Answer: The soil parameters as given in the specification may be considered for bidding purpose. However, during execution, foundations will be designed based on the actual soil data obtained from soil investigation.

5.0 Miscellaneous:

Question 5.1: **Please specify the Chemical compound to be used for Chemical Earthing. Please provide us the name of approved PGCIL vendors for Chemical Earthing?**

Answer: The properties of the chemical to be used are indicated at cl. 1.7.5 of section IV of Technical Specification. The chemical earthing is to be carried out by the contractor. In case during execution stage the contractor propose any separate agency or subcontractor for the work, the details shall be submitted by contractor for review and approval of POWERGRID site in-charge as per relevant provision of bidding document engagement of sub vendor.

Question 5.2: **Please provide the Technical Specification for Insulation Sleeves. Also, please provide the approved PGCIL vendors for supply of Insulation Sleeve?**

Answer: Technical Specification of Insulation Sleeves is indicated at cl. 3.11.1 of section IV of the Technical Specification.
Supply & installation of insulation sleeves is to be carried out by the contractor. In case during execution stage the contractor propose any separate agency or subcontractor for the work, the details shall be submitted by contractor for review and approval of POWERGRID site in-charge as per relevant provision of bidding document engagement of sub vendor.

Question 5.3: **Please clarify whether usage of ERS is envisaged in this project?**

Answer: Usage of ERS is not envisaged in the scope of the contractor, if not covered in the BPS.

Question 5.4: **Please confirm that all required Right of Way, Way leave clearance, Forest clearance, compensation towards trees, crops, other properties and land acquisition etc. as per requirement is under POWERGRID's scope?**

Answer: Bidder may refer to clause.1.4 of Section -I of Technical specification and clause. 6.2 & 6.3 of Section-IV, Vol-I of GCC of bidding document regarding ROW, Way leave, Forest clearances, compensation towards trees, crops, other properties and land acquisition.

Question: 5.5. **Please share the approval of forest clearance and land acquisition details of the concern authorities?**

Answer: Forest clearances shall be obtained by the Employer during execution stage as per the detailed survey carried out by the contractor.

6.0 Pile Foundation:

Question 6.1: **Please provide the details of locations of River crossing for the Line. We are not able to do the assessment for the river crossing location due to lack of information?**

Answer: Details of pile foundation locations shall be decided based on detailed survey to be carried out by the contractor. However, in order to familiarize with the line route, terrain conditions and associated details of the subject transmission line, bidder may visit the site as specified in Section-1, Clause-1.2.1 of Technical Specification. For this purpose bidders are requested to contact the site in charge mentioned at clause 1.2.1, Section-I, Technical Specification.