

**Clarification/Amendment towards NIT No. RECPDCL/TECH/CED/e-Tender/2018-19/ 915 Dated: 31.05.2018**

**Pre-bid Meeting on 06.06.2018**

| S.No. | Page No. / Clause No.                                      | Technical Specifications as per RFP   | Queries / Modifications / Changes Suggested  | Remarks  | Remarks Type  |
|-------|--|---|--|--|---------------|
| 1     | General Query  |   | For design of Monopole Structures, following Technical details are required;<br>a) Wind zone, b) Reliability Level, c) Terrain Category, d) Clearance Requirement, e) Shielding Angle Kindly provide us same.  | Kindly Refer to Specifications for monopoles for 66 KV Transmission Line as published along with Tender  | Clarification |
| 2     | General Query  |   | In the BOQ pole types are defined as "A" type, "B" type, "C" type monopoles. Kindly specify the deviation Angle for the same.  | Kindly Refer to Specifications for monopoles for 66 KV Transmission Line as published along with Tender  | Clarification |
| 3     | As per Specification of monopole , Clause: 8.3             | Deflection readings shall be recorded for the before load, 'load on' and 'load off' conditions.   | Deflection Criteria is not specified. Kindly specify.  | As per Annexure specification of 66 kv of monopoles clause 8.3 Deflection readings shall be recorded for the before load, 'load on' and 'load off' conditions. Deflection Limits as Central Board of Irrigation and power manual , 2015 Clause 14.5.10 deflection limits are specified are 5% of the pole height under maximum load or 1.5% to 2% of the pole height under every day conditions. | Clarification |
| 4     | General Query  |   | Whether poles shall be proto Type Tested OR testing is waived off. Kindly specify.   | Kindly Refer to Specifications for monopoles for 66 KV Transmission Line as published along with Tender  | Clarification |
| 5     | General Query  |   | As proposed conductor for 66kV line is ACSR Zebra, please provide the details of the Insulator. (Based on the Sizes of Insulator string, Phase to phase Clearances requirement may be more.  | Kindly Refer relevant/ Applicable BIS and Guidelines issued CEA ,CBIP and Gol. Minimum safe Clearance has to be maintained as per guidelines.  | Clarification |
| 6     | General Query  |   | In the Technical Specification, Soil details or safe bearing Capacity is not provided for the foundation design. Kindly provide us same.   | Bidder shall carry out its survey for soil details and consider the same for the foundation designing and other information for consideration and quoting in the bid. The successful bidder shall submit the details as required in the bid.   | Clarification |
| 7     |  |   | As per the Specification and Route alignment, 66kV line is crossing Railway line, Please confirm the type of monopole proposed for the railway crossing.   | TYPE- C Monopole Tower (Terminal Type).<br><a href="http://www.indianrailways.gov.in/railwayboard/uploads/codesmanual/ACTraction-II-P-II/AcTractionIIAppendix4.htm">http://www.indianrailways.gov.in/railwayboard/uploads/codesmanual/ACTraction-II-P-II/AcTractionIIAppendix4.htm</a>   | Clarification |
| 8     |  |   | The Validity of the Bid Security for the subject tender has not been mentioned. Please provide us the validity details of the Bid Security.  | It is already mentioned as 180 days from the last date of bid submission.  | Clarification |
| 10    | NIT -Page-27<br>TIMELINES FOR DELIVERY AND<br>INSTALLATION | The overall work needs to be completed within 6 months from the award of contract/release order.  | As Design, Testing and supply of monopoles is in contractor's scope, completion of the project within 6 months is not practically possible, as the design and testing itself takes 3 months. So, request you to please amend the Completion period from 6 months to 12 working months.   | As per NIT   | Clarification |
| 11    | Sec-IV, Scope of Work<br>Page: 9                           | ROW clearance fees shall need to be paid by the bidder and the same shall be reimbursed by RECPDCL/CED on actuals on submission of payment receipts and other documentary proofs of any such payment made against ROW clearance as per satisfaction of RECPDCL/CED. | From Sec-IV, Page: 9, under ROW Scope from clause 11.0 to 15.0, we understood that all the ROW clearance, statutory clearance, crop compensation, land compensation, tree cutting etc. shall be in contractor's scope. However, all the statutory payments made to the concerned authorities shall be reimbursed to us at actuals by RECPDCL during project execution and these rates need not to be included in bid price. Please, confirm. | As per NIT   | Clarification |
| 12    | General Query  |   | Please provide us the GPS Co-Ordinates, so that it will be helpful for us to conduct the Walkover Survey more accurately.  | Bidder has to do Site survey on their own, However RECPDCL Representative is stationed in Chandigarh for coordination.   | Clarification |
| 14    | General Query  |   | As we are going through the tender documents, we found that the technical specification documents of major items like Hardware Fittings, Earthvire, Insulator, Lightening Arrestor, Control Relay Panels etc. are missing. Kindly Furnish.   | Kindly Refer relevant/ Applicable BIS and Guidelines issued CEA ,CBIP and Gol.   |               |
| 15    | NIT Annexure'C' , Page. No. 59                             |   | In Annexure'C' , Page. No. 58, it was mentioned that the Bid Bank Guarantee should be in accordance with the Stamp act, so we understood that, the Bid Security should be taken on a Rs. 700/- Stamp Paper of any state government. Please confirm.  | Bid Bank Gurantee shall be submit on Rs.100/- Stamp Paper.   | Clarification |

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| 16    | Price bid, Form - 3 , S.No. 2.4 |                                     | In Price bid, Form - 3 i.e. cost estimate for new 66kv bay in 66/1.7kv Grid Substation, S.No. 2.4, the unit of 4 core LT PVC cable 16sqmm is in "nos" instead of Km or meters. Kindly Clarify.  | Kindly Refer Revised Price BID Format   |               |
| 17    | Price bid,Form - 3, S.No. 4.4   |                                     | As the scope of work comprises of 66kV Bay in 66/77kV Grid Sub-station and as per the Form - 3, S.No. 4.4, the bidder should quote lumpsum/lot prices for civil foundation works, labour cost for which we require the following details to work on it. Please Furnish. a. Layout of Sub-station b. Drawings of Structure foundation c. Single line diagram | Bidder has to do Site survey on their own, However RECPDCL Representative is stationed in Chandigarh for coordination.  | Clarification |
| 18    | Clause No.17.0 GTP              |                                     | Specification for Monopoles for 66 kV Transmission Lines-Clause No.17.0 GTP - Foundations -Soil Data for Hard rock, soft rock, etc. We are unable to provide, please clarify.   | Kindly Refer to Specifications for monopoles for 66 KV Transmission Line as published along with Tender   | Clarification |
| 20    | General Query                   |                                     | Please provide the time period from commissioning date to date of taking over of the project.   | As Per NIT  | Clarification |
| 21    | General Query                   |                                     | During 12 months warranty period, please clarify the O&M person's duty timings and logistic support   | As Per NIT  | Clarification |
| 22    | General Query                   |                                     | Site visit is required from our end, please provide the contact person details.   | Bidder has to do Site survey on their own, However RECPDCL Representative is stationed in Chandigarh for coordination.  | Clarification |
| 23    | General Query                   |                                     | We requested REC to provide 1 week extension, since final SOR not yet finalised by REC / TCE for this tender.   | Shall be informed at a later stage  | Clarification |
| 24    | General Query                   |                                     | Whether type test conducted from some Private testing center is acceptable or only type test certificate from Government owned testing centers like CPRI/SERC etc. are acceptable.  | Kindly Refer to Specifications for monopoles for 66 KV Transmission Line as published along with Tender   | Clarification |
| 25    | General Query                   |                                     | How many years old type test is acceptable to be considered.  | Kindly Refer to Specifications for monopoles for 66 KV Transmission Line as published along with Tender   | Clarification |
| 26    | General Query                   |                                     | Can type test be waived off if manufacturer has type tested say 5 or more 66 kV DC Monopoles in Government Labs like CPRI/SERC in past 5 years?   | Kindly Refer to Specifications for monopoles for 66 KV Transmission Line as published along with Tender   | Clarification |
| 27    | General Query                   |                                     | Pole types mentioned in the BOQ are A, B and C type. In the specification of Monopole clause 4.0 Angles are mentioned as 0-2 Degree, 0-30 Degree and 30-60 Degree/Dead End. What angles must be considered for A, B & C type poles in the BOQ.  | A:-0-2 Degree,<br>B:-0-30 Degree<br>C:-0-60 Degree  | Clarification |
| 28    | General Query                   |                                     | What is the Angle to be considered for Railway crossing tower, As a convention, They require Dead end towers for Railway crossing.  | TYPE- C Monopole Tower (Terminal Type).<br><a href="http://www.indianrailways.gov.in/railwayboard/uploads/codesmanual/ACTraction-II-P-II/AcTractionIIAppendix4.htm">http://www.indianrailways.gov.in/railwayboard/uploads/codesmanual/ACTraction-II-P-II/AcTractionIIAppendix4.htm</a>  | Clarification |
| 29    | General Query                   |                                     | Steel requirement as per IS 2062 E350. We would like to use ASTM Gr-65 (Min. Ys 450Mpa) for pole shaft and Gr-50 (Min. Ys 345Mpa) for base plate.   | As per NIT.<br>The scope of work is not only limited to as mentioned above or in the approved RFP, but also includes any other change/modification/addition necessary for the execution of the contract, as per actual requirement in view of site conditions. Selected Agency will seek prior approval from M/s RECPDCL in case of any change/addition/modification in the work by submitting complete detailed documents.The cost of the same shall be duly considered while bidding. | Clarification |

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| 30    | specification of 66 kv of monopoles clause 8.3 |                                     | There is no deflection limits mentioned in the tender; shall we follow pole deflections as per CBIP manual. (5% under ultimate load case and 2% for safety normal load case). Copy of CBIP Manual abstract enclosed. | As per Annexure specification of 66 kv of monopoles clause 8.3 Deflection readings shall be recorded for the before load, 'load on' and 'load off' conditions.<br>Deflection Limits as Central Board Iggeration and power manual , 2015 Clause 14.5.10 deflection limits are specified are 5% of the pole height under maximum load or 1.5% to 2% of the pole height under every day conditions. | Clarification |