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| <b>Title</b>           | : | <b>Pre Bid Clarifications -I</b>   |
| <b>Employer</b>        | : | <b>REC Transmission Projects Company Limited</b>   |
| <b>Project</b>         | : | <b>Construction of 220 kV S/C Transmission Line on D/C Tower (WZ-VI, ACSR DEER Conductor, 25 mm Radial Ice loading) on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15 for 220 kV Transmission Line</b> |
| <b>Tender Ref No.</b>  | : | <b>RECTPCL/PIA/JKPDD/TL-01, TL-02, TL-03, TL-04, TL-05</b>   |
| <b>Tender Event No</b> | : | <b>RECTPCL/19-20/TL/01 to 05</b>   |

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| 1.            | IFB, Cl 2.0                                  | Power Development Department, Govt. of Jammu and Kashmir (hereinafter referred to as 'J&K-PDD'/Owner).  | As per the recent political developments, the state of J&K is divided into 2 parts (i) UT J&K (ii) UT Ladakh. As the transmission line traverses through UT of Ladakh, we request you to provide us the changes, which may impact the project once the notification is issued. | No Impact is envisaged   |
| 2.            | IFB, Cl 2.1                                  | RECTPCL intends to use funds to be provided by JKPDD for eligible payments under the contracts for the package.   | We request you to provide the funding allocation / availability of the project.  | The project is being funded under PMDP-15 and requisite fund for the development of the Projects are being provided by Govt. of India. |
| 3.            | IFB, CL 3.0, (vii)                           | For Stringing in the tough terrain of hilly region and river crossing wherein, transmission Line is passing through the long span of nallas, rivers crossing or hills, in order to restore the transmission line in case of snapping of the | Please provide us the BOQ tentative for the same as the rates are different for S/C Stringing and D/C Stringing.   | In case of D/C stringing, wherever required, Payment will be released based on stringing rates for single circuit stringing.           |

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|               |  | first circuit Contractor is required to string the conductor in both circuit of the D/C tower. Such Locations, where the stringing is required to be carried out on both the circuit of the D/C Tower shall be finalized jointly by RETPCL, JKPDD & Contractor finalized for the package. |  |   |
| 4.            | IFB, Cl 3.1                                  | The completion period for the subject Transmission Line Packages shall be the 18 Months.  | The project is to be executed in Tough Hilly Snowy Terrain, which remain cut off from rest of country for 5-6 months and site activities can be carried out only for 6-7 months in a year. We request to consider 30 months for Project Completion, so that contractor gets 18 -21 working months for completion of project. | Bid provisions will prevail                         |
| 5.            | SCC, Cl 14                                   | LAND<br>The purchaser shall acquire only  | We understand that the purchaser shall also clear and pay for the ROW, crop  | Bidders are requested to refer Amendment -3 in this |

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|               |  | such piece of land as is actually required for each type of tower foundation. Any extra land required by the contractor for storage of tower material, conductor, line material etc. shall be the responsibility of the contractor. | compensation, land compensation for (i) Access roads from the nearest road point to the location (ii) extra land required by the contractor temporarily for dumping of the construction material (iii) Along the corridor.<br>Please confirm. | regard.   |
| 6.            |  | General - Statutory Clearances  | We understand that the Employer shall be responsible for arranging the permission and paying the compensation to respective statutory authorities in this project. Please confirm.  | Bid provisions will prevail                                 |
| 7.            | App. II, Price variation formulae            | Obsolete PV formulae  | The PV formulae mentioned in the documents has become obsolete. We request you to incorporate the new PV formulae.  | Bidders are requested to refer Amendment -3 in this regard. |
| 8.            | App. II, Price variation formulae            | PV formulae for conductor   | We request you to furnish the PV formulae for conductor along with ceiling.   | Bidders are requested to refer Amendment -3 in this regard. |

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| 9.            | App. II, Price variation formulae                          | The total price adjustment amount for Installation (including civil works) price component shall not be subject to any ceiling whatsoever. | We understand that the ceiling shall also not be applicable for reinforcement steel and concreting. Please confirm.                | Please refer Clause 32 (vi) of GCC, Section IV, Volume-I of Bid Documents.   |
| 10.           | ITB, Cl 9, (I), (iv)                                       | Power of Attorney in the prescribed form no-12A of Section-IX, Vol-I as per Clause 9.3 (b).  | We understand that the bidder can submit an acceptable general power of attorney.  | Bid Provisions will prevail.   |
| 11.           | Technical Specifications, Sec - V, ACSR Conductor, Cl 2.11 | The conductor shall be supplied in non-returnable, strong, wooden drums provided with lagging of adequate strength.                        | We understand that the conductor can be supplied in Steel drums. Please confirm.   | Bidders are requested to refer Clause No. 2.11.18 of Vol-II, Section-V of Bid Documents                                      |
| 12.           | Sch 1, Supply, Item Nos. 4.2 & 4.3 (a)                     | Supply of Earth wire & Supply of OPGW  | Please confirm whether the tower is a single peak or double peak tower as both earth wire and OPGW is given in the price schedule. | Bidders are requested to note that tower is being designed with single peak for installation of OPGW. Therefore, Quantity of |

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|               |  |   |   | Earthwire and all accessories of earthwire may not be required.   |
| 13.           | Sch 1, Supply, Item Nos. 4.2 & 4.5 (b)       | Single Suspension String (Pilot) (1x120 kN) for ACSR Deer Conductor | We understand that counter weights are not required for this string. Please confirm.  | As the String comprises of Porcelain Insulators, counter weights are not envisaged.   |
| 14.           | First Envelope - Bid Forms and Attachments   |   | In the first envelope of package TL01, the heading in some attachments is mentioned as TL02. Similarly for package TL05, the heading in some attachments is mentioned as TL03 & TL04.           | In the First Envelope, bid forms, drop down is provided to select the name of the appropriate Package for which bidders desire to apply, Please select accordingly. |
| 15.           | Supply Price Schedule Pkg. 1-5               |   | Normally we have seen both MS & HT Steel is used in Tower, however Price Schedule indicates only MS Steel, please confirm that the Towers to be used for this project consist of only MS Steel. | Please note that Tower is designed considering MS Steel Grade E 250 (Designated yield strength 250 Mpa), Quality C for the  |

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|               |   |                                  |  | project.  |
| 16.           | Supply Price Schedule Pkg. 3, Item No. 4.3 b        |                                  | The quantity mentioned is 48, although we understand it should be 1, Please confirm.   | Bidders are requested to refer Amendment -3 in this regard.   |
| 17.           | Supply Price Schedule Pkg. 3, 4 & 5 Item No. 4.5(a) |                                  | The quantity of Suspension Towers is 18, 12, & 10 respectively, but the Quantity given for Double I Suspension fitting is not matching with the same. Please review and confirm. | Bidders are requested to note that Quantity of suspension tower is 9, 6 and 5 respectively and Double Suspension fitting is matching with it. i.e. 28, 19 & 16 respectively for Package 3, 4 & 5. |
| 18.           | Supply Price Schedule Pkg. 1- 5 Item No. 4.6(iii)   |                                  | The quantity of Flexible copper bond is not corresponding to Earthwire Suspension & Tension Fitting. Please review and confirm.  | Flexible Copper Bond Quantity is tentatively considered for OPGW only.  |
| 19.           | Supply Price Schedule Pkg. 1- 5 Item No.            |                                  | The quantity for Test equipment has been considered in all Packages. We understand only one set of Test Equipment's shall be   | Bid provisions will prevail.  |

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|               | 4.6(iii)  |                                  | required. Please review and confirm.  |   |
| 20.           | Erection Price Schedule Pkg. 1 & 2, Item No. ?(a), (b), © & (d) |                                  | As the line is passing through Hilly Terrain, protection of Tower footing is to be carried out, in order to prevent erosion, but the quantity given in BOQ is very minimal. Please review and confirm.  | Bidders are requested to refer Amendment -3 in this regard. |
| 21.           | Erection Price Schedule Pkg. 4 & 5, Item No. 13                 |                                  | There is mismatch in Length of Survey for cable work & laying of cable & HDPE Pipe .Please review and confirm.  | Bidders are requested to refer Amendment -3 in this regard. |
| 22.           | Vol II, Section 1, Clause 1.1.2, XII                            |                                  | it was mentioned that "After award of the contract the selected bidder is required to consult M/s. Snow and Avalanche Study Establishment (SASE), Chandigarh for the detail and check survey ..... All the expenses towards detail study by M/s. SASE & ground visits of M/s. SASE officials to be borne by contractor.<br>We have contacted Mis. SASE, Chandigarh pertaining to the same but they have | Bidders are requested to refer Amendment -3 in this regard. |

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|               |  |   | <p>stated that they shall share the cost only if such a request comes from the Employer. In such a case it is not possible for the contractor to estimate the cost for the same.</p> <p>In view of above, we request M/s. RECTPCL to get the study done at their end, however contractor shall provide necessary details to employer to get the study done from M/s. SASE.</p> |                                |
| 23.           | 1.1 Technical Experience(ii)                 | The bidder should have completed physical construction involving tower foundation, erection and stringing of following cumulative route length of 220kV or above voltage level line in mountainous region as on the originally scheduled date of bid opening- 50 km | We request you to delete this tender clause.   | Bid provisions will prevail.   |

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| 24.           | Note for Qualification of the bidder         | Note: However, bidders (lead partner of Joint Venture) are permitted to participate in both the packages [i.e. TL-01 & TL-02) but not more than one package shall be awarded to a particular bidder. | If bidder participates in JV, one as Lead Bidder and second as other Partner, will one be eligible to be awarded more than one Package?            | Out of the 2 package of Phyang to Diskit TL (i.e TL-01 & TL-02) only one package will be awarded to any bidder either a sole bidder or lead bidder or consortium partner.<br><br>Also, Out of the 3 package of Drass to Padum TL (i.e TL-03, TL-04 & TL-05) only one package will be awarded to any bidder either a sole bidder or lead bidder or consortium partner. |
| 25.           | 1.3 Financial Position                       | Minimum Average Annual Turnover *(MAAT) for best three years i.e. 36 months out of last five financial years of the bidder   | Minimum Average Annual Turnover *(MAAT) for best three years i.e. 36 months out of last seven financial years of the bidder should be For Package: | Bid provisions will prevail.  |

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|               |  | <p>should be For Package: RECTPCL/PIA/JKPDD/TL-01: Indian Rs. 108 Crore For Package: RECTPCL/PIA/JKPDD/TL-02 : Indian Rs. 114 Crore</p> <p>For Package: RECTPCL/PIA/JKPDD/TL-03: Indian Rs. 212.25 Crore For Package: RECTPCL/PIA/JKPDD/TL-04: Indian Rs. 217.56 Crore For Package: RECTPCL/PIA/JKPDD/TL-05: Indian Rs. 222.61 Crore</p> | <p>RECTPCL/PIA/JKPDD/TL-01: Indian Rs. 108 Crore For Package: RECTPCL/PIA/JKPDD/TL-02 : Indian Rs. 114 Crore</p> <p>For Package: RECTPCL/PIA/JKPDD/TL-03: Indian Rs. 212.25 Crore For Package: RECTPCL/PIA/JKPDD/TL-04: Indian Rs. 217.56 Crore For Package: RECTPCL/PIA/JKPDD/TL-05: Indian Rs. 222.61 Crore</p> |  |
| 26.           | Clause 2.1: 1TB                              |  | We understand RECTPCL has been appointed as Project Implementation role for these transmission lines. Kindly inform us the scope under this Project   | RECTPCL is Implementation Agency and responsible for all the works starting from Bid |

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|               |  |                                  | Implementation such as Bidding process, Engineering, Quality, Project Management, Certification, Commercial Closure, Site Management and others.  | Processing to Handing over the project to JKPDD after completion. |
| 27.           |  |                                  | Please inform us the role of JKPDD under the project construction phase in terms of both Monitoring and Approval. Kindly inform the same in the below matrix.<br>Description of Work Reviewer or Approver<br>Reviewer or Approver<br>RECTPCL JKPDD<br>Bid Evaluation<br>Engineering Approval<br>Quality Inspection<br>Quantity Clearance<br>Field Quality Plan Certification<br>JMC<br>Monthly Progress Review<br>Bill Certification<br>Bill Processing | All the works mentioned are in the scope of RECTPCL.              |

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|               |  |                                  | Bill Payment  |   |
| 28.           |  |                                  | We understand that the project has been assigned under Government of India Grant PMRP-15/PMDP Transmission. Please inform us whether GOI shall be funding 100% of the project value, in case it is limited to less than 100% who shall be providing the balance fund. Kindly provide us the updated approval given under PMDP Scheme- 15. | Project is being funded under PMDP-15, and 100% funding is being done by Govt. of India.  |
| 29.           |  |                                  | Please inform us whether the grant portion has been received under these projects from GOI, if not when will the funded is expected to be received.   | Project is being funded under PMDP-15, and 100% funding is being done by Govt. of India.  |
| 30.           |  |                                  | Please inform the process involved in Bill processing not limited to certification, verification, approval and release of fund and timeline for making the payment.   | RECTPCL is responsible for certification, verification, approval and release of fund to the successful bidders of the projects. |
| 31.           | Clause 3.0,                                  |                                  | a. Sub clause vii, it is expected certain   | a) RECTPCL shall provide  |

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|               | 1TB under scope of work, please inform following: |                                  | <p>portion of line will be strung under D/C, which shall be decided by both JKPDD and RECTPCL. Please inform the responsibility of taking approval from JKPDD will be handled by RECTPCL and Contractor.</p> <p>b. Sub clause ix, please inform the content of training programmed to be covered and in case any certified programmed has be to give inform the name of the training course.</p> <p>c. Sub clause ix, under SASE, we request you to conduct this study by</p> | <p>the location details in consultation with JKPDD ; however necessary documents/ support will be furnished by the successful bidder.</p> <p>b) Training program shall mainly include best practices related to Operation &amp; Maintenance of Transmission Line. However, exact program shall be finalized in consultation with JKPDD.</p> <p>c) Bidders are requested to</p> |

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| <b>Project</b>         | : | <b>Construction of 220 kV S/C Transmission Line on D/C Tower (WZ-VI, ACSR DEER Conductor, 25 mm Radial Ice loading) on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15 for 220 kV Transmission Line</b> |
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|               |  |                                  | Employer, we shall provide all the support and follow up for completion of the study. As this is independent study and is conducted by government organization, we would request you to do the study independent of this contract. Please inform us the associated cost of this study as it is beyond EPC works.   | refer Amendment –3 in this regard. |
| 32.           | Clause 3.1                                   |                                  | Each transmission package has been given completion period of 18 Months. We request you to review the completion period requirement as there is working window of only 4-5 month in this package and is under tough terrain conditions. It requires doing detail route study which itself will take significant amount of time to complete. There are limitation association with material transportation, | Bid provisions will prevail.       |

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|               |  |                                  | manpower availability and many such constraint. Similar project earlier executed Leh Transmission System the minimum execution timeline has been 36 months with best of effort by all associated parties. Kindly review the project timeline and allow at least 30-month completion period for each package. |   |
| 33.           | Clause 6, GCC, Sub clause i-                 |                                  | The approval/ comment timeline for each drawing has been mentioned as 30 days. With the completion period requirement, the approval should be given within 7 days of submission and revision comments within 3 days of submission to meet the completion requirement.  | Bidders are requested to refer Amendment -3 in this regard.   |
| 34.           | Clause 10, Inspection of Site-               |                                  | We request you to organize joint site visit for these packages to understand the execution challenges and proper cost estimation.  | Agreed, but it will be only facilitation to the prospective bidders and will not be linked to any bid condition/ provision. |

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| 35.           | Clause 27, Liquidated Damages -              |                                  | There are significant amount of uncertainty and challenges in these projects. As per best practices and followed by Powergrid corporation of India, the Liquidated damages should be capped to maximum 5% of the project value. The contractor project monitoring shall be done by you on regular basis and any short coming can be corrected during the project progress. Please suitably investigate these contract provision. | Bidders are requested to refer Amendment -3 in this regard.  |
| 36.           | Clause 14, Land:                             |                                  | At present provision has been for the land piece as is required for each type of tower foundation. This should also consider the workable area need to carry out foundation and erection works. Line material store storage area shall be responsibility of the contractor.  | Bidders are requested to refer Amendment -03 in this regard. |
| 37.           | Appendix 1: Procedures of                    |                                  | a. Interest Bearing Advance: The interest rate charged against the mobilisation  | Bid provisions will prevail.                                 |

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|               | Payment                                      |                                  | <p>advance is - 10.05% which is very high. We request you to allow interest free advance as there is significant amount of mobilisation cost for these challenging works. Even PGCIL has acknowledged the high interest rate cost and allow interest free advance of challenging project being executed by them under TBCB in Gujarat and Rajasthan.</p> <p>b. C.3, there is already 10% project retention payment and additional 20% retention for erection of supplied material will significantly impact project cash flow and huge amount of negative cash flow. As the material is to be supplied under transshipment mode as the road network will not be available due to weather and army movement. We request you to allow 60% supply payment on dispatch from</p> |                                |

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|               |  |                                  | factory and 20% on receipt of material at site. It will be very important factor for improving the project cash flow and timeline execution of works.  |  |
| 38.           | Appendix 2:                                  |                                  | <p>a. Price variation formula has not been provided for Conductor.</p> <p>b. Sub clause 2.2, Total adjustment for line material is limited to +/- 20%, as there is huge material variation in recent times, please do not subject variation to any ceiling whatsoever as allowed in Tower parts.</p> <p>c. Sub clause 5.0, As there is huge uncertainty in the execution schedule, please allow price variation as per actual execution schedule instead of lower of Bar</p> | <p>a. Bidders are requested to refer Amendment -03 in this regard.</p> <p>b. Bid provisions will prevail.</p> <p>c. Bid provisions will prevail.</p> |

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|        |                                       |                           | Chart and Actual.   |  |
| 39.    | Technical specification               |                           | As per technical specification 1 % permitted for extra consumption for conductor/earthwire for wastage, sag and jumpering etc whereas since there will be maximum angle towers due to severe hills as well as due to higher difference in ambient temperatures the wastage/jumpering/sag will be more than normal. Accordingly the wastage /sag /jumpering of conductor shall be between 1.75-2 percent instead of one percent. in view of above it is requested that the additional permitted length for conductor/earth wire shall not be less than 1. 75% instead of 1 %, the same may please be considered. | Refer Clause no. 3.13.1 of Volume – II Section IV, wherein it is clearly mentioned that “Calculation of conductor & OPGW, requirement in hilly stretches <b>inclined</b> distance between the towers may be considered instead of Horizontal distance (considered for line length). In view of this, 1 % as permitted extra consumption for wastage, sag, jumpering etc. is kept therefore, Bid provisions will prevail. |
| 40.    |                                       |                           | Please intimate if any welding work is involved in the avalanche protection   | Requirement of Avalanche protection structure will be  |

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|               |  |                                  | structure, since it may have high price impact, if welding is to be carried out at site, please confirm?   | decided based on joint visit of SASE, RECTPCL and successful Bidder.   |
| 41.           |  |                                  | The detailed drawing and specification of steel parts (channel, angle sections) for grillage foundations & avalanche protection structures are not furnished in the bidding documents. As these are specialized structures with specific welding arrangement requirement. Kindly provide the detailed drawings for our assessment clearly indicating the thickness of the sections to be considered. | Requirement of Avalanche protection structure will be decided based on joint visit of SASE, RECTPCL and Contractor.<br>Regarding Grillage foundation, E 250 grade, Quality C, Channel /I section, of higher size are expected to used. |
| 42.           |  |                                  | The line is passing through the region where the transport facility is opened for a limited period. We will have to open a Transit (intermediate) store to make trans-shipment provision. As per payment terms mentioned in tender documents, payment for the fabricated tower parts/  | Shall be decided as and when required.   |

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|               |  |   | towers and the bought out items shall be made on receipt of the items at store. Kindly confirm whether payment will be released against receipt of material at intermediate store.   |                                |
| 43.           | POA Format                                   | It is expressly understood that this Power of Attorney shall remain valid binding and irrevocable till completion of the Defect Liability Period in terms Contract. | The format has requirement of issuing irrevocable POA till completion of the Defect Liability Period. Please allow the issue Power of Attorney till the signing of the contract. Further the Format demand for issuance of irrevocable basis. During the process of contract finalization and period upto defect Liability Person, the designated person may not be available for this project or with organization and organization decide to depute another person for this project. The Bidder/Contractor shall be allowed to issue new POA in case of any change in designated person. | Bid provisions will prevail    |

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|               |  |  | Please allow issuance of revocable POA as being allowed by Power Grid Corporation of India other utilities and delete this requirement. |                                |
| 44.           | Technical Experience                         | <p>a. The bidder shall have completed physical construction of transmission line project involving tower foundation, erection and stringing of not less than following cumulative route length of 220kV or higher voltage class transmission line as the prime contractor or as a partner in joint venture</p> <p>For Package: RECTPCL/PIAJKPDD/TL-01:31Kms</p> <p>For Package: RECTPCL/PIAJKPDD/TL-01:31Kms</p> |   | Bid provisions will prevail.   |

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| 45.    |                                       | b. The bidder shall have completed physical construction involving tower foundation, erection, stringing of following cumulative route length of 220kV or above voltage line in <b><u>mountainous region</u></b> as on the originally scheduled date of bid opening mentioned above.- <b>50kms</b> | b. The bidder shall have completed physical construction involving tower foundation, erection, stringing of following cumulative route length of 220kV or above voltage line in <b><u>mountainous/plain region</u></b> as on the originally scheduled date of bid opening mentioned above.- <b>50kms</b> | Bid provisions will prevail. |
| 46.    |                                       | <b><u>Joint venture</u></b> of two or more firms allowed to participate  | <b><u>Joint venture/Consortium</u></b> of two or more firms allowed to participate   | Bid provisions will prevail. |
| 47.    |                                       | A.(i) all the partners of JV shall meet individually the given at 3(a) above.  |  | Bid provisions will prevail. |
| 48.    |                                       | (ii) <b>The lead partner</b> of JV shall meet not less than 50% of technical experience criteria given at para 1(i) above and not less than 40% of the financial   | (ii) <b>The lead partner</b> of JV shall meet not less than 40% of the financial position criteria given at para 3(b) & (c) above and all partner combine shall meet 100% technical QR at para 1 & 2.  | Bid provisions will prevail. |

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|               |  | position criteria given at para 3(b) & (c) above  |  |                                |
| 49.           | JV   | (iii) each of the other partner shall meet individually not less than 25% of the technical exp. Criteria given at para 1 (i) above or not less than 50% of manufacturing facilities criteria given in 2 above and not less than 25% of financial position criteria given at para 3(b) & (c) above | each of the other partner shall meet not less than 25% of financial position criteria given at para 3(b) & (c) above | Bid provisions will prevail.   |
| 50.           | Technical Experience                         | a.The bidder shall have completed physical construction of transmission line project involving tower foundation, erection and stringing of not less than following cumulative route length of 220kV or higher voltage class transmission line as the  |  | Bid provisions will prevail.   |

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|        |                                       | prime contractor or as a partner in joint venture<br>For Package:<br>RECTPCL/PIAJKPDD/TL-01:31Kms<br>For Package:<br>RECTPCL/PIAJKPDD/TL-01:31Kms   |  |   |
| 51.    |                                       | b. The bidder shall have completed physical construction involving tower foundation, erection, stringing of following cumulative route length of 220kV or above voltage line in <b><u>mountainous region</u></b> as on the originally scheduled date of bid opening mentioned above. - <b>50kms</b> | b. The bidder shall have completed physical construction involving tower foundation, erection, stringing of following cumulative route length of 220kV or above voltage line in <b><u>mountainous/plain region</u></b> as on the originally scheduled date of bid opening mentioned above.- <b>50kms</b> | Bid provisions will prevail.                |
| 52.    | ITB Clause No. 9.1 & 16.1             |   | As per the clauses mentioned herewith, we need to submit documents in hard copy,   | Bidders are requested to note that document |

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|               |  |                                  | but the given list of documents in both the clauses contradicts each other. We understand that we need to submit documents as per ITB Cl No. 16.1 in hard copy. Please confirm  | mentioned under first envelope under clause no. 9.1(b) of ITB are required to be submitted in the manner prescribed under clause no. 16.1 of ITB. |
| 53.           | Payments                                     |                                  | As per the tender specification, it is mentioned that Power Development Department, Govt. of Jammu and Kashmir is the Owner and the project Implementing activities in respect of the aforesaid Project on behalf of JKPDD have been entrusted to REC Transmission Projects Company Limited (RECTPCL). Moreover, RECTPCL intends to use funds to be provided by JKPDD for eligible payments under the contracts for the Packages.<br><br>However, as per the J&K Reorganisation Act, JKPDD would be dissolved with effect | Bidders may please note that Payments against mile stone will be released by RECTPCL.   |

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|               |   |                                  | from 01.11.2019. Please let us know the payment modality to the contractor.  |  |
| 54.           | Cl 1.4<br>SECTION- I<br>(TECHNICAL SPECIFICATIO NS), VOLUME- II & Cl 14 SCC of Volume I |                                  | <p>As per Volume-II, it is mentioned that "Right of way and way leave clearance shall be arranged by the Employer in accordance with work schedules. Employer will also secure way leave and Right of way in the Forest area.", whereas, as per SCC Clause The purchaser shall acquire only such piece of land as is actually required for each type of tower foundation.</p> <p>We understand from the above mentioned clause that compensation towards foundation, erection, stringing for minimum right of way corridor of 35 meter as mentioned in Cl 4.1.1 Right of way/Way leave clearance in VOLUME-II, APPENDIX-I, also will be taken by</p> | Bidders are requested to refer Amendment -03 in this regard. |

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|               |  |                                  | Employer. Please confirm  |  |
| 55.           | Appendix -2<br>Price<br>Adjustment   |                                  | We would like to bring to your kind notice that the PV formula mentioned in the Appendix are obsolete and no longer prevails, we request you to kindly issue an amendment as per latest IEEMA circulars. Please confirm   | Bidders are requested to refer Amendment -03 in this regard. |
| 56.           |  |                                  | Moreover, as per the Price Schedule supply of Conductor, Disc Insulators and UG cable are in scope of supply, whereas PV formulas for these items are inadvertently missing in the Appendix-2. We request you kindly issue amendment for the same   | Bidders are requested to refer Amendment -03 in this regard. |
| 57.           | Appendix-1<br>PROCEDURES<br>OF PAYMENT<br>1.1 A Supply<br>Portion -<br>Interest<br>Bearing |                                  | As per the clause, it is mentioned that "It is the Employer's understanding that as per extant provisions, GST is not payable on interest paid on the amount of Advance. The Contractor is, however, advised to check the position from their own sources. If payable, the same shall be to the | Matter shall be dealt as per prevailing law.                 |

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| <b>Project</b>         | : | <b>Construction of 220 kV S/C Transmission Line on D/C Tower (WZ-VI, ACSR DEER Conductor, 25 mm Radial Ice loading) on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15 for 220 kV Transmission Line</b> |
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|               | Advance (Optional*)<br>10%                   |                                  | Contractor's account and Employer shall not reimburse any GST on this account".<br><br>However, as per our understanding, the interest paid on the amount of Advance is treated as Owner's income and liabilities towards GST, if any, will be to Owner's account. Therefore, in the view of above, we request you to modify the clause as follows "If payable, the same shall be to the Employer's account". Please confirm |                                |
| 58.           | Cl 3.0 ix IFB, Scope of Work                 |                                  | As per the clause it is mentioned that "With the purpose to train the officials of JKPDD and getting them acquainted with the various activities for assessing performance, monitoring the Transmission Line during O&M period. Contractor is required to provide the training to the JKPDD officials. The training period envisaged will be as under:   | No change is envisaged.        |

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|               |   |  | <p>Maximum 8 nos. of officers for 7 working days from NPTI or any other recognized training institute."</p> <p>Whereas, as per the Price Schedule, Schedule-4, Training Charges are Not applicable. We request you to kindly modify the Price Schedule, so as to enable us to quote training charges for above mentioned training in the Price Schedule. Please confirm.</p> |  |
| 59.           | Cl 3.13 Permitted Extra Consumption of Line materials |  | As per Price Schedule, UG Cable is in scope of Supply, we propose to allow wastage @ 1.25% for UG Cable. Please confirm.   | Bid provisions will prevail.   |
| 60.           | Cl 1.7 Galvanising Cl 1.7.1                           | The steel parts of grillage foundation including stub and reinforcement of stub shall have | Please confirm<br>In case, zinc coating of 850 gms sq mm is to be done for reinforcement also, kindly  | Please note that Zinc coating of 850gms. per Sq m is required for stub only. |

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|               | Fabricated Tower Parts & Stubs<br>VOLUME-II,<br>SECTION-IV, | a minimum overall zinc coating of 850 gms. per sq. m. of surface.". We understand that zinc coating as mentioned in the clause is to be done for stubs only and not for reinforcement. | provide separate quantity of reinforcement in the Price Schedule.  |  |
| 61.           | Price Schedule -<br>Schedule 1<br>Supply                    | The steel parts of grillage foundation including stub and reinforcement of stub shall have a minimum overall zinc coating of 850 gms. per sq. m. of surface.                           | We understand that B/N for grillage will not require zinc coating of 850 gms. per sq. m. Please confirm.   | Please note that Zinc coating of 850gms. per Sq.m is required for stub only. |
| 62.           | Price Schedule -<br>Schedule 3<br>Pkg TL01 and<br>TL02      |  | As per the price schedule, we have noticed that the quantities of Protection of Tower Footing in Pkg TL01 & TL02 is very less. As the line is traversing through hilly and mountainous region huge quantities of tower footing would be envisaged as per the normal practice. We request you to kindly modify the Price Schedule accordingly. Please confirm | Bidders are requested to refer Amendment -03 in this regard.                 |

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| 63.           | Price Schedule - Schedule 3 XLPE Cable       |                                  | <p>As per Price Schedule In XLPE Cable Schedule - 3, we have to quote for Route Survey of the entire length &amp; clearances from relevant authorities, whereas, as per technical specification, ROW and statutory clearances is in scope of Employer.</p> <p>We request you to kindly modify the description in Price Schedule to read as follow: "Route Survey of the entire length". Please confirm.</p> | Bidders are requested to refer Amendment -03 in this regard. |
| 64.           | INTEGRITY PACT PRE-CONTRACT INTEGRITY PACT   |                                  | 'This has reference to the format of Integrity Pact to be submitted along with the bid, we have gone through the format and find that certain clauses need modifications to be practical and to be in line with prevailing business practices   | Bid provisions will prevail.                                 |
| 65.           |  |                                  | <p>1. Cl 3.12:-</p> <p>a) Words 'any employee' is too wide a term</p>   | Bid provisions will prevail.                                 |

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|               |  |                                  | <p>for both bidder and buyer and difficult to establish in companies employing thousands of manpower. In case of PGCIL, they include a declaration in the bid to mention names of Ex-employees of PGCIL engaged by a bidder at General Manager and above level. If desired, such requirement could only be added in the format.</p> <p>b) Words “any relative of an officer of the buyer has financial interest / stake in bidder’s firm” cannot be made applicable, it being too wide a term and would also involve holding equity shares in buyer’s firm and firms being publically listed companies, it is not possible to know the same.</p> <p>c) Definition of Relative would not be as</p> |                                |

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|               |  |                                  | per section 6 of Companies Act 1956, as mentioned in the clause, but as per Section 2 (77) and Rule 4 of the Companies (Specification of Definition details) Rules, 2014   |                                |
| 66.           |  |                                  | <p>2. Cl.7.- Fall Clause</p> <p>You will kindly appreciate that the prices offered in the bid vary from bid to bid, depending on the nature, complexity, magnitude, geography, specification, commercial terms viz – terms of payment, PV clauses, taxation, funding, validities etc., as well as market conditions. In view of this, Cl.7.1 cannot be applicable and hence, need to be deleted.</p> <p>3. Cl.12.1 – Validity</p> <p>Validity period to be modified to 5 years</p> | Bid provisions will prevail.   |

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|               |  |                                  | <p>from signing date or duration of contract including warranty period, whichever is earlier (instead of later, as mentioned)</p> <p>In addition to the above, certain other clauses of Integrity Pact also need modifications.</p> <p>Looking to the above, while appreciating the noble intention of signing of Integrity Pact, we suggest that the format, as being adopted by PGCIL for all their projects (copy attached), is considered and adopted accordingly.</p> |  |
| 67.           | Clause GCC 27,Vol-I                          |                                  | It is mentioned that maximum liquidated damages for delay would be 10% of the Contract price plus GST payable. We would like to bring to your kind notice that maximum LD levied by other utilities is maximum 5%. Moreover, looking to the  | Bidders are requested to refer Amendment -03 in this regard. |

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|               |  |                                  | stringent completion period and difficult geographical conditions, we request you to kindly amend the same to 5%. Please confirm.   |  |
| 68.           | Cl 1.1.2 xi)                                 |                                  | As the above Transmission Lines are expected to pass through heavy Avalanche prone area, provision of avalanche protection need to be taken care. Hence, after award of the contract the selected bidder is required to consult M/s Snow and Avalanche study Establishment (SASE), Chandigarh for the detail & check survey.<br>However, we have requested SASE to give quotations for detailed and check survey. But they have insisted that the quotations can only be given after written confirmation from REC. We therefore, request you to kindly intervene in this matter, so that we can get the quotations | Bidders are requested to refer Amendment -03 in this regard. |

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|               |   |                                  | from SASE. Please confirm.  |  |
| 69.           | Vol-I, Section- IX : Samples Forms and Procedures, Appendix-2 |                                  | We find in Vol-I, Section- IX: Samples Forms and Procedures, Appendix-2 that price variation is applicable for line materials like Earthwires, Hardware fittings for Conductor and Earthwire accessories. Please confirm whether price variation is also applicable for Conductors, XLPE cables and Insulators. If yes, then provide us the Price Variation formulas. | Bidders are requested to refer Amendment -03 in this regard.                           |
| 70.           |   |                                  | We understand Design of towers and its foundation is in RECTPCL's scope. Please confirm.  | RECTPCL shall provide the Design of towers and its foundation.                         |
| 71.           |   |                                  | Please provide Estimated Cost value of all the five packages and Funding Agency.  | Project is being funded under PMDP-15 and Govt of India shall provide necessary funds. |
| 72.           | IFB   | Clause 3.0) Point ix)            | All the expenses towards detail study by SASE & ground visits of SASE official to be  | Bidders are requested to refer Amendment -03 in  |

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|               |  |   | borne by contractor.<br><br>Request the Client to bear the expenses of the SASE officials visit                         | this regard.   |
| 73.           | IFB  | Clause 3.0) Point x)<br>Based on the above detailed study, if required, the contractor is required to provide the 220 kV, XLPE Cable to overcome the problems due to snow and avalanches.           | As the XLPE Cable are to be installed if required, kindly clarify if the Design for the cable termination is available. | Design for the cable termination is in the scope of the successful bidder and same shall be finalized after discussion with RECTPCL which will be based on SASE study of Avalanche Prone Area. |
| 74.           | SECTION-II<br>INSTRUCTION<br>TO BIDDER,<br>VOL-I | Clause 13.2<br>Bid security shall remain valid for a period of thirty (30) days beyond the original bid validity period i.e., for a period of TEN (10) months after the last date of bid submission | we request for the reduction of BG Validity to 6 months   | Bid provision will prevail   |

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| 75.           | Vol-I, Section – IX: Samples Forms and Procedures | Point C.3<br>Twenty percent (20%) of the Ex-works price component for the fabricated tower parts/tower shall be paid on completion of erection of complete tower.  | we understand by the above clause that the tower shall be paid on completion of erection                              | Provision of Bid Documents are amply clear.  |
| 76.           | VOLUME-II, SECTION-I                              | Clause 1.1.2.1<br>However, if required, Contractor has to develop structural drgs, BOM & Shop drawings of +18/25M extension based on SLD provided by the Employer. | Kindly clarify if the design of the above towers are available with the client  | Bidders are requested to refer Amendment No. 3 in this regard.   |
| 77.           | VOLUME-II, SECTION-IV                             | Clause 3.13.3<br>In case of conductor and earth wire, the permitted extra consumption limit of one percent is inclusive of sag, jumpering,                         | Since Jammu & Kashmir is a hilly terrain, request you revise the extra consumption limit as slant/Inclined height +1% | Refer Clause no. 3.13.1 of Volume – II Section IV, wherein it is clearly mentioned that “Calculation of conductor & OPGW, requirement in hilly |

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|        |                                       | damage, loss and wastage etc.     |  | stretches <b>inclined</b> distance between the towers may be considered instead of Horizontal distance (considered for line length). In view of this, 1 % as permitted extra consumption for wastage, sag, jumpering etc. is kept. Therefore, Bid provisions shall prevail. |
| 78.    | Volume II                             | SECTION - VII – DISC INSULATOR    | It is to inform that the technical document does not mention zinc sleeve requirement under 'Clause 1.0-Technical Description of Disc Insulators' whereas same has been mentioned under 'Clause 5.0 Annexure-A (2.6-Chemical Analysis of Zinc Sleeve)'. Please clarify the same | Please refer Amendment no. 3 in this regards  |
| 79.    | VOLUME-II                             | SECTION - VII - Hardware Fittings | The service conditions mention that climatic conditions would go down upto (-  | Grade C steel to be used for the fabrication  |

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|               |  |   | 45) degree hence kindly confirm the Grade of steel to be used for fabrication as it is not mentioned  |   |
| 80.           | "IFB Cl-3(x)                                 | Based on the above detailed study, if required, the contractor is required to provide the 220 kV, XLPE Cable to overcome the problems due to snow and avalanches. The scope under this specifications shall cover Survey, planning, design, engineering, Supply, testing, transportation, insurance, delivery at site, unloading, handling, store, installation (including civil works), jointing, termination, testing, demonstration for acceptance, commissioning, including protection and documentation of underground | 1) As per BPS, Schedule-1, Line Item -6, quantity of 220 kV grade 1 core, 800sq.mm.XLPE insulated copper cable as per technical specification is mentioned as 4km.<br>2) As per route alignment survey report furnished by M/s RECTPCL, we understand that 220kV Cable is not envisaged for the subject project. Considering above points, please confirm the following:<br>3) Whether 220kV Cable is envisaged for the subject project?<br>4) If yes, whether 4km Cable shall be laid in single span or multiple spans? If multiple spans, kindly confirm the length of each span. | In regards to the requirement of the cable the bid conditions are amply clear.<br>However, other details such as termination, laying etc shall be decided after detail survey by successful bidder with consultation of RECTPCL & the same shall be based on best engineering practices considering the projects requirement<br><br>Bidders are requested to quote as per BPS |

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|               |  | 220 kV single core 800 sq.mm XLPE Copper cable complete with all materials." | <p>5) Outdoor cable termination kits shall be Tower Mounted or Ground Mounted?</p> <p>6) 220kV LAs are mentioned as "per span." Hence please confirm whether each span has to be provided with 220kV LA's?</p> <p>7) As the bonding cable and other accessories are mentioned as lot, we request you to confirm the type of bonding for 220kV UG Cable i.e. Single / Double/ Cross Bonding.</p> <p>8) As per BPS, Schedule-1, Line Item -6, 220kV Cable with 1 No of Spare cable is mentioned. However, quantity of outdoor termination kits is mentioned as 6 Nos only. As both the clauses are contradicting each other please confirm the actual requirement.</p> |   |
| 81.           | General                                      |  | We are not envisaging any thermal back filling as there is no specific requirement mentioned in BPS. If thermal backfilling is   | Bidders are requested to quote as per BPS |

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|------------------------|---|--|
| <b>Title</b>           | : | <b>Pre Bid Clarifications -I</b>   |
| <b>Employer</b>        | : | <b>REC Transmission Projects Company Limited</b>   |
| <b>Project</b>         | : | <b>Construction of 220 kV S/C Transmission Line on D/C Tower (WZ-VI, ACSR DEER Conductor, 25 mm Radial Ice loading) on Turnkey Basis associated with Strengthening of Transmission System of JKPDD under PMDP Scheme-15 for 220 kV Transmission Line</b> |
| <b>Tender Ref No.</b>  | : | <b>RECTPCL/PIA/JKPDD/TL-01, TL-02, TL-03, TL-04, TL-05</b>   |
| <b>Tender Event No</b> | : | <b>RECTPCL/19-20/TL/01 to 05</b>   |

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|---------------|--|----------------------------------|---|--|
|               |  |                                  | required, please include separate line for the same in BPS.   |  |
| 82.           | General                                      | ---                              | Kindly clarify the scope of Clamps/Connectors/Transmission line side hardware/Conductors required at OH to UG Conversion. | In this regard, requirement such as termination, laying etc shall be decided after detail survey by successful bidder in consultation with RECTPCL & the same shall be based on best engineering practices considering the projects requirement after SASE study regarding Avalanche Prone Area.<br><br>Bidder are requested to quote as per BPS |
| 83.           | General                                      | ---                              | Please provide the preliminary cable routing including Road Crossing / River Crossing / Railway Crossing etc.             | Requirement of cable routing, road crossing/river  |

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|---------------|--|----------------------------------|--|---|
|               |  |                                  |  | crossing/railways etc. shall be finalized based on the detail survey by successful bidder & mutual discussion based on SASE study regarding Avalanche Prone Area. |
| 84.           | General                                      | ---                              | We do not envisage any dismantling, re-erection works in the substation ends. Please confirm.  | Scope is amply clear and will remain unchanged.   |
| 85.           | General                                      | ---                              | Quantities mentioned in price schedule / supply of materials are indicative. Any change in the same shall be paid as unit rate. Please confirm.      | Bid Conditions are amply clear and will prevail.  |
| 86.           | General                                      | ---                              | Kindly clarify if any arrangement/requirement for temperature sensing of cables to be made as no such requirement is indicated in the specification. | Not envisaged, bidder are required to quote as per BPS  |
| 87.           |  |                                  | Type of termination: outdoor sealing end   | Bid Conditions are amply  |

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|---------------|--|----------------------------------|--|---|
|               |  |                                  | or GIS Sealing end   | clear and will prevail.                                     |
| 88.           |  |                                  | Please provide the drawing mentioned in the article 2.9 Depth of laying of cables of tech. specs                             | Bidder are requested to refer Annexure-C of Amendment no. 3 |
| 89.           |  |                                  | Please Provide the allowable current(Rating , MVA) value   | Bid Conditions are amply clear and will prevail.            |
| 90.           |  |                                  | Please provide details about other parameters like soil thermal resistivity  | Bidder are required to assess themself                      |
| 91.           |  |                                  | We understand that 100% payment of GST during supply & erection invoices shall be paid during the first progressive payment. | Bid Conditions are amply clear and will prevail.            |