

# The Power Grid Company of Bangladesh Limited (PGCB)

IFB No. PGCB/KfW/2014.67.976/2018/Package 4.1

## Design, Supply, Installation, Testing & Commissioning of 132/33 kV Substations, on Turnkey Basis, Package 4.1

Contract No. PGCB/KfW/BMZ.2014.67.976/2018/Package-4-1

ICB No. PGCB/KfW/ BMZ.2014.67.976/2018/Package-4-1

### Clarification-1

Pre Bid meeting was held on 17<sup>th</sup> February 2019 at 11:00 o'clock at the PGCB Headquarter

All comments, queries and requests for clarification, regarding the Tender documents, received from prospective Bidders, and relevant replies and clarifications prepared by PGCB, and associated addendums (if any), are part of Tender documents

| No.                              | Volume / Section / Clause / Item / Page  | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification   | Add.<br>Y/N |
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| Commercial & Contractual Queries |  |   |  |             |
| 1                                | Volume-I, Section III. Evaluation and Qualification Criteria,<br>Page III-7<br>(a) Contracts of Similar Size and Nature<br>All Bidders must have experience as Contractor for three (3) similar completed.....<br>EUR EUR 30,000,000.00 (thirty million EUR)<br><br>&<br><br>Volume-I, Section IV: Bidding Forms,<br>Page IV-26<br><br>7.9 Form EXP-2(a): Specific Experience<br>Contract value (EUR) (in case the contract is executed in other currency, please indicate the value in EUR) | We understand the bidder need to fill the form "7.9 Form EXP-2(a): Specific Experience" for bidder qualification. While filling the form, if contract value is in other currency then it should be converted to EUR and the exchange rates will be as on date of award of that particular contract. Kindly confirm.<br><br>If our above understanding is not correct, kindly provide the methodology for considering exchange rates.<br><br>And also we request to provide the methodology for considering exchange rates for converting annual turnover and current contract commitments to EUR. | Yes, Your understanding is correct. The exchange rates will be as on date of award of that particular contract.<br><br>Average exchange rate in Central/National Bank in country of origin on 31 <sup>st</sup> December. | N           |

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| 2   | <p>Volume-I, Section III. Evaluation and Qualification Criteria,<br/>Page III-2<br/>1.2.3.1 Capitalization of Transformer Losses<br/>capitalization of transformer losses = <math>N * a + L * b + M * c</math></p> <p>&amp;</p> <p>Volume-III, Schedule E, Technical Particulars and Guarantees,<br/>Page 117<br/>5.2.4 D: Transformers</p>           | <p>With reference to referred clauses we understand that bidder is free to propose more than one qualified manufacturer for Transformers. Further bidder has to propose filled in GTP for all such qualified manufacturer for each mentioned item. With reference to the same, request PGCB to kindly clarify what loss figures shall be considered by PGCB for loss capitalization during commercial bid evaluation. Kindly Confirm.</p> | <p>If only one manufacturer fulfill all requirement, corresponding losses will be considered.</p> <p>If more than one manufacturer fulfill requirement, the highest capitalization value (worst case) will be considered.</p> | N        |
| 3   | <p>Volume-I, Section III. Evaluation and Qualification Criteria,<br/>Page III-2<br/>1.2.3.1 Capitalization of Transformer Losses<br/>capitalization of transformer losses = <math>N * a + L * b + M * c</math></p> <p>&amp;</p> <p>Volume-III, Schedule E, Technical Particulars and Guarantees,<br/>Page 122<br/>5.2.5 F: Auxiliary Transformers</p> | <p>With reference to referred clauses we understand that Auxiliary Transformers will not be considered for loss capitalization and losses will not be considered for evaluation of commercial bid. Kindly Confirm.</p>  | <p>Yes, your understanding is correct</p>   | N        |

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| 4   | <p>Volume-I, Section VIII: Special Conditions of Contract (SCC),<br/>Page VIII-3<br/>9. Contractor's Responsibilities :<br/>The Contractor shall acquire and pay for all permits, approvals, and/or licenses from local, state or national government.....</p> <p>The cost of acquiring such permits, approvals, and/or licenses is deemed included in the contract price.</p> <p>&amp;</p> <p>Page VIII-5<br/>10. Employer's Responsibilities :</p> | <p>In the said clause it is mentioned that employer shall give administrative support to accord permits, approvals and/or licenses from local, state or national government authorities or public service undertakings in the country where the Site is located.</p> <p>Since bidder during tendering stage is not aware of concerned authorities from which administrative support may be required, we request PGCB to kindly provide us the list of concerned authorities to get the approval regarding construction of works.</p> | <p>Please, contact the relevant Bangladesh authority</p>  | N        |
| 5   | <p>Volume-I, Section VIII: Special Conditions of Contract (SCC)<br/>,<br/>Page VIII-6,<br/>PC 14. Taxes and Duties<br/>PC 14.2 a</p>   | <p>As per the said clause we understand that VAT applicable on Bidder's sub-contractors (within Bangladesh) are also exempted. Kindly Confirm</p>  | <p>VAT will be paid by employer as per bid documents in accordance with prevailing law of the employers country.</p>    | N        |
| 6   | <p>Volume-I, Section VIII: Special Conditions of Contract (SCC),<br/>Page VIII-7,<br/>PC 14. Taxes and Duties<br/>PC 14.2 b</p>  | <p>In the said clause it is mentioned that Employer is not responsible for the payment of customs duties and VAT for the items imported for civil works material specified in price schedule No.4.</p> <p>In the same context we request you to kindly confirm that Steel structures / Super Structures required for buildings and foundation of equipment can be part of imported supply and waiver of customs duty and local VAT shall be applicable. Please confirm.</p>  | <p>Yes, this is Bidder/Contractor responsibility</p> <p>Only steel structure for switchgears provided in Schedule 1</p> | N        |

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| 7   | Volume-I, Section VIII: Special Conditions of Contract (SCC),<br>Page VIII-7,<br>PC 14. Taxes and Duties<br>PC 14.2 c | From the said clause we understand that contractor at his own cost and expense shall secure any work permit, labor permit any other authorization which may be required by the Government of Bangladesh for the imported personnel of contractor and his subcontractor, however there shall not be any expatriate tax on such imported personnel of contractor or his subcontractor who may visit Bangladesh for short duration during execution of contract for supervision and other relevant works. Kindly Confirm. | Please, contact the relevant Bangladesh authority | N        |
| 8   | Volume-I, Section VIII: Special Conditions of Contract (SCC),<br>Page VIII-7,<br>PC 14. Taxes and Duties<br>PC 14.2 d | From the said clause we understand that there shall not be any custom duty and other taxes as Local VAT etc. on imported contractor's equipment for purpose of testing & commissioning of the facilities under present scope of works if the imported contractor's equipment are brought back to contractor's/ subcontractor's country after completion of the testing and commissioning and not subsequently sold in Bangladesh. Kindly Confirm.  | Please, contact the relevant Bangladesh authority | N        |
| 9   | Volume-I, Section IX. Contracts Forms<br>,<br>Page IX-7,<br>Appendix 1. Terms and Procedures of Payment               | We understand the advance paid to the Contractor shall be interest free. Kindly Confirm.   | Yes   | N        |
| 10  | Volume-I, Section IX. Contracts Forms<br>,<br>Page IX-8,<br>Appendix 1. Terms and Procedures of Payment               | Kindly specify the interest rates for delayed payments from Employer/funding agency to the contractor.   | NA  | N        |
| 11  | Volume 3,<br>,<br>Schedule B; Schedule C  | We request you to kindly Upload the excel copies of price schedules also on PGCB official site along with tender documents and addendums. (Also Editable copies for Schedule E)  | Ok  | N        |

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| 12                 | Volume 3,<br>,<br>Schedule B --> Schedule 1 , 2 & 4              | Civil works are mentioned in all the referred schedules. However, we understand that price related to all civil works (all construction of buildings & all outdoor equipment foundations) should be quoted in schedule 4. Kindly confirm whether bidder understanding is correct.   | Yes, your understanding is correct  | N        |
| 13                 | General,<br>,  | We understand the land for construction is already acquired by PGCB and PGCB will provide contractor encumbrance free land during award of contract. Any disputes arising against land acquisition of land provided by PGCB during construction of works will be taken care by PGCB. Kindly confirm.  | Yes   | N        |
| 14                 | General,<br>,  | We understand that PGCB shall provide water and electricity for construction works for free of cost at each sub-station location to Bidder. Kindly confirm whether our understanding is correct.  | No, your understanding is not correct. This is Bidder/Contractor responsibility                                 | N        |
| Electrical Queries |  |   |   |          |
| 15                 | Vol. 2,<br>Page no. 4,<br>Clause No. 1.2, New 132kV GIS building | As per referred clause, New 132kV GIS building shall be provided with cable basement. However, as per clause no. 1.2.1, Bidder to decide the connection of GIS bay with outdoor equipment i.e. EHV power cable or Busduct. In this regard, if Bus duct is envisaged for GIS bay connection, then cable basement is not required in GIS building. Please confirm whether Bidder's understanding is in order. | No, your understanding is not correct. All buildings shall have cable basement<br><br>Please see answer 32 also | N        |

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|-----|--|---|--|----------|
| 16  | Vol.3,<br>B-2,<br>Schedule -1, SI no.G1, Control, protection and SAS set for 132kV Overhead line circuit (Including the other end) | <p>As per referred item, 132kV Line bay control &amp; protection panel shall be provided including the other end. In this regard, we are not envisaging any control &amp; protection panel or any loose supply of IED at remote end as only Distance protection is required for 132kV Line bay as per Vol.2, clause no. 5.9.1.</p> <p>Please check and revise the line item in BPS.</p> <p>If any control &amp; protection panel is required at remote end, then please include separate line item for the same with the following remote substation details</p> <p>a) Existing CRP make &amp; model no.<br/>b) Existing busbar protection make &amp; Model no.<br/>c) Type of busbar protection - Decentralised or Centralised</p> | <p>Yes</p> <p>Bidders are kindly invited to visit all required locations</p> | N        |
| 17  | Vol.3,<br>B-2,<br>Schedule -1, SI no.G, Control, protection, SCADA system and metering   | <p>There is no line item available for control, protection and SAS for 132kV Bus coupler bay. Please check and include a separate line item for the same.</p>   | <p>Item G3 is <b>Control, Protection and SAS set for Busbar 132 kV</b></p>   | N        |
| 18  | Vol.3,<br>B-3,<br>Schedule -1, SI No. G5.X, DFDR   | <p>As per referred line item, DFDR shall be provided to accommodate all feeders. In this regard, please confirm that DFDR shall be provided for all Bus- coupler, Transformer bays also (or) only for line bays.</p>  | <p>Please, see Addendum</p>  | Yes<br>1 |
| 19  | Vol. 3,<br>B-6,<br>Schedule -1, SI No. G5.XE, DFDR   | <p>a) Whether the existing DFDR has to be modified suitably for the new bays (or) separate IED shall be provided for new bays which shall be located in the existing DFDR panel?<br/>b) Make &amp; Model number of the existing DFDR</p>  | <p>Please, see Addendum</p>  | N        |

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| 20  | Vol. 3,<br>B-3,<br>Bid price schedule, Schedule No. 1, Sl. No. F1,<br>Earthing / Auxiliary transformer (applicable for all stations) | We presume that the auxiliary transformer capacity is given for present scope of work including future bays. Hence we are not envisaging the auxiliary transformer sizing in our scope. We understand in case the auxiliary transformer rating is found to be increased during detailed engineering, the same shall be paid additionally to the Bidder. Please Confirm.                 | Yes   | N               |
| 21  | Vol.2,<br>5,<br>Clause No. 1.2.1, 1.2.3, & 1.2.6 - SCADA control for four (4) numbers of 33 kV load shed feeder (BCU and panels)     | As per referred clause, each 33kV bay shall be provided with BCU & panel. However there is no line item available for the same in BPS. Please add a separate line item in the BPS for 33kV bay control & protection.  | Item G4 is added: <b>Control, Protection and SAS complete set for Switch-gear 33 kV</b> | <b>YES</b><br>2 |
| 22  | Vol. 3,<br>B-4,<br>Bid price schedule, Schedule No. 1, Sl. No. J1.X & J2.X   | We presume that the 110V and 48V battery & 110V and 48V battery charger capacity is given for present scope of work including future bays. Hence we are not envisaging the battery sizing in our scope. We understand in case the battery & charger rating is found to be increased during detailed engineering, the same shall be paid additionally to the Contractor. Please Confirm. | Yes   | N               |
| 23  | Vol. 3,<br>B-4,<br>Bid price schedule, Schedule No. 1, Sl. No. J1.X, J2.X & K1.X   | We presume that number of outgoing feeders required in LVAC DB , 48V DCDB & 110V DCDB is only for the bays under present scope of works. Please confirm.  | Yes   | N               |
| 24  | Vol. 3,<br>B-5,<br>Schedule No. 1, Sl. No: N1.X, Switchyard lighting   | We presume that switchyard lighting is required only for present scope of works. Please confirm.  | Yes   | N               |

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| 25  | Vol. 3,<br>B-2,<br>Schedule No. 1, Sl. No: F1, Earthing / Auxiliary Power Transformer 33/0.4 kV, three phase 200 kVA, Dyn11, ONAN | As per referred line item description, Vector group of auxiliary power transformer shall be Dyn11. However as per vol.3, clause no. 5.2.4.1, SL No. F1, Vector group of auxiliary transformer shall be ZNyn11. As both the clauses are contradicting, please check and confirm the actual requirement.   | The vector group of Earthing/Auxiliary transformer shall be confirmed by detail design.<br><br>Bidders shall consider both options | N        |
| 26  | Vol. 3,<br>122,<br>Clause No. 5.2.4.1 & 5.2.4.2, Auxiliary transformer, SI No. 3.1.1, Short circuit duration                      | As per referred clause, Short circuit duration for auxiliary transformer shall be 3 sec. However as per IEC - 60076-5, Clause No. 4.1.3 "The duration of the current I to be used for the calculation of the thermal ability to withstand short circuit shall be 2 sec". In this regard, please check and confirm the short circuit duration of auxiliary transformer. | 2 s  | N        |
| 27  | Vol. 3,<br>B-2,<br>Clause No. 5.2.4.1 & 5.2.4.2, Auxiliary transformer  | Please specify the Rated short time neutral current & its duration for the Auxiliary transformer.  | 25 KA  | N        |
| 28  | Vol.3,<br>B-9,<br>Schedule -1,SI No. BG.1 & BG.2, Bus bar side disconnector with earth switch                                     | As per referred item, each busbar side disconnector shall be provided with earth switch for each 132kV Line & transformer bay. However as per SLD, Drawing No. NAB/1.1/1, DHA/2.1, BAG/1.1/1 & BHU/1.1/1, one common earth switch is shown for both the Busbar disconnectors. Please check and confirm the actual requirement.   | One common earth switch will be enough   | N        |



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| 29  | Vol.3,<br>B-9,<br>Schedule -1, SI no. BG.4, Indoor GIS metering bay for 132kV GIS | <p>As per referred item, Metering bay shall comprise of 2 Nos of Disconnecter &amp; 3 nos of single phase Voltage transformer. Hence, as per SLD drawing no. NAB/1.1/1, BAG/1.1/1, BHU/1.1/1 &amp; referred line item, we understand that metering bay is nothing but busbar voltage transformer with motor operated disconnecter.</p> <p>Please confirm that whether bidder understanding is correct.</p> <p>If bidder understanding is correct, then Quantity of voltage transformer shall be 6 nos. as each busbar shall be provided with 3 number of single phase voltage transformer. Please check and revise BPS accordingly.</p> | <p>Yes, your understanding is correct</p> <p>It shall be two sets of three VTs</p> <p>Please, see Addendum</p>                        | Yes<br>3 |
| 30  | Vol.2,<br>,<br>SLD, Drawing No. NAB/1.1/1, DHA/2.1, BAG/1.1/1 & BHU/1.1/1         | As per referred SLD, we understand that Line bay VT shall be provided without any disconnecting link for 132kV GIS in all GIS substation. Please confirm.   | <p>No</p> <p>VT in Line bays shall be provide with disconnecting link</p> <p>Drawings are PRELIMINARY and FOR TENDER PURPOSE ONLY</p> | N        |
| 31  | Vol.3,<br>B-9,<br>Schedule -1, SI no.B, 132kV Switchgear                          | As per referred item, 132kV GIS Line & transformer bay shall be Indoor & Partly Outdoor. Kindly clarify the terminology of Partly outdoor? Whether partly outdoor refers to outdoor Busducts?   | Yes, your understanding is almost correct. Partly outdoor is referring to SURGE ARRESTERS and BUS DUCTS                               | N        |

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| 32  | Vol.3,<br>B-9,<br>Schedule -1, SI no.B, 132kV Switchgear | <p>As per referred item, 132kV GIS Line &amp; transformer bay shall be Indoor &amp; Partly Outdoor. As per referred line item description, we understand that Outdoor GIS type Surge arrestor shall be provided for line &amp; transformer bay.</p> <p>However separate line item B.5 is available for AIS type surge arrestor for all 132kV line &amp; transformer bay and as per SLD, Drawing no. NAB/1.1/1, DHA/2.1, BAG/1.1/1 &amp; BHU/1.1/1 only outdoor surge arrestors are shown in each line &amp; transformer bay.</p> <p>Hence, we propose the GIS surge arresters shall be indoor type &amp; AIS surge arrester shall be outdoor type. Please confirm acceptance.</p> | <p>Preferable connection between GIS Switchgear and Power transformers and Transmission Lines is with GIB (Gas Insulated Busbars)</p> <p>In that case, Outdoor GIS Surge arrester shall be foreseen</p> <p>...</p> <p>In case of remote connection, cable connection can be considered also</p> <p>In case of cable connection, AIS Surge arresters shall be provided.</p> <p>Contractor shall confirm during the design stage that those Surge arresters are enough.</p> <p>If this is not the case, the Contractor shall provide INDOOR GIS Surge arresters also, in front of the GIS Switchgear</p> <p>So, Indoor GIS Surge arrester will maybe be necessary in case of cable connection.</p> <p>***</p> <p><b>In Nabinagar and in Dhamrai Substations all 132 kV connections SHALL be GIB and all Surge Arresters SHALL be outdoor GIS.</b></p> <p><b>In Bagerhat and in Bhulta Substations all 132 kV connections CAN be by cable and Surge Arresters can be</b></p> | N           |

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|     |   |  | <p><b>AIS.</b><br/> <b>Of course, if possible, Bidders can foresee GIB also, for some or for all bays, according to Detail Design</b></p> <p>Drawings are PRELIMINARY and FOR TENDER PURPOSE ONLY</p> |             |
| 33  | Vol. 3,<br>B-13,<br>Schedule -1, SI No. Q2.1  | Please furnish the maximum current carrying capacity of 132kV cable per phase.   | As specified in the Tender  | N           |
| 34  | Vol.2,<br>B-6,<br>Schedule -1, SI no.G3, Control, protection, SAS for Busbar 132kV<br><br>(Applicable for all extension substation) | As per referred item, 132kV Busbar protection is not available in existing substation. So we are not envisaging any busbar protection augmentation work for extension substation. Please confirm whether bidder understanding is in order. | <p>Yes</p> <p>If there is existing bus bar protection - shall be extended</p> <p>Bidders are kindly invited to visit all required locations</p>   | N           |

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| 35  | Vol.2,<br>5,<br>Clause no. 1.2.1 & 1.2.3 , Gazaria and Nabina-<br>gar substation                         | As per referred clause, "33kV single busbar, for all twelve bays. Divided at two sections by disconnecter" shall be provided. In this regard, we presume that 33kV main bus bar shall be provided for only present bays. Only space shall be provided for future bays. Please confirm.  | No, your understanding is not completely correct<br><br>Bus bar shall be provided for all bays and space shall be provided for future bays   | N        |
| 36  | Vol.2,<br>,<br>Drawing no. GAZ/2, New 132/33kV AIS substation Gazaria Layout                             | As per referred drawing we understand that plot dimension of Gazaria substation is 270m x 250m. Please confirm.   | 270m x 250m is not correct dimension. Dimension of plot for Gazaria substation is shown in section VI (Page-VI-A-57) of volume-1.<br>However, Bidders are kindly invited to visit all required locations | N        |
| 37  | Vol.2,<br>,<br>Drawing no. DAU/2 - Daudkandi substation layout   | In the referred layout, connection between 132kV substation take-off gantry and 132kV Transmission line tower is shown in present scope of this package.<br>However as per vol.2, clause no. 1.5.1, connection between 132kV substation take-off gantry and 132kV Transmission line tower shall be in overhead line contractor.<br>Hence, we understand that the stringing from station take-off gantry up to the Transmission line tower is part of the transmission line package. Please confirm whether bidder understanding is in order.<br><br>If not, please specify the distance between 132kV terminal tower and 132kV substation gantry. | Yes, your understanding is correct   | N        |
| 38  | Vol.2,<br>,<br>Clause no. 1.2.2, Extension of existing 132/33kV AIS substation Daudkandi, Main earth-mat | a) Please confirm whether main earth mat is available for new 132kV line bays.<br>b) Please furnish the spacing, size & material for main earth mat.  | No<br><br>Bidders are kindly invited to visit all required locations   | N        |

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| 39  | Vol.2,<br>,<br>Drawing no. DAU/2.1 - Extension of existing 132/33kV AIS substation Daudkandi            | As per referred layout, we understand that Main bus is not available for new line bay extension at Daudkandi substation.<br>In this regard, please furnish the following details:<br>a) Main bus type- Rigid (or) Flexible<br>b) Conductor type & cross-section<br>c) Conductor configuration- Single/Twin/Quad<br>d) Equipment bus - Rigid (or) Flexible<br>e) Conductor type & cross-section<br>f) Conductor configuration- Single/Twin/Quad | Bidders are kindly invited to visit all required locations           | N        |
| 40  | Vol. 2,<br>,<br>Extension of the Existing 132/33 kV Substation Daudkandi layout                         | Please furnish following drawing for existing Daudkandi substation<br>a) Control room building layout<br>b) Cable trench layout  | Bidders are kindly invited to visit all required locations           | N        |
| 41  | Vol. 2,<br>,<br>Extension of the Existing 132/33 kV Substation Daudkandi                                | Please furnish the following details of existing Daudkandi substation :<br>a) Make & model number of Substation automation system (SAS)<br>b) Make & model number of Bus bar protection (CRP)<br>c) Make & model number of FOTE<br>d) Make & model number of DFDR<br>e) 132kV busbar protection - Centralised or Decentralised   | Bidders are kindly invited to visit all required locations           | N        |
| 42  | Vol.2,<br>,<br>Drawing no. DHA/2.1 - Extension of existing 132/33kV GIS substation Dharmrai             | Please furnish the legible layout drawing for the Dharmrai substation.   | Bidders are kindly invited to visit all required locations           | N        |
| 43  | Vol.2,<br>8,<br>Clause no. 1.2.4, Extension of existing 132/33kV GIS substation Dhamrai, Main earth-mat | a) Please confirm whether main earth mat is available for new 132kV line bays.<br>b) Please furnish the spacing, size & material for main earth mat.   | No<br><br>Bidders are kindly invited to visit all required locations | N        |

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| 44  | Vol.2,<br>8,<br>Clause no. 1.2.4, Extension of existing 132/33kV GIS substation Dhamrai,  | Please specify following details for Control & Protection<br>a) Whether the control & monitoring is through RTU or SAS?<br>c) Location of CRP- in control building (or) GIS building  | Bidders are kindly invited to visit all re-quired locations | N        |
| 45  | Vol. 2,<br>8,<br>Clause no. 1.2.4, Extension of existing 132/33kV GIS substation Dhamrai, | Please furnish following drawing for existing Daudkandi substation<br>a) Control room building layout<br>b) 132kV GIS building layout<br>c) Cable trench layout   | Bidders are kindly invited to visit all re-quired locations | N        |
| 46  | Vol.2,<br>8,<br>Clause no. 1.2.4, Extension of existing 132/33kV GIS substation Dhamrai,  | Please furnish the following details for existing GIS module<br>a) Make and model no. of existing GIS<br>b) Whether GIS is single phase or 3 phase de-sign<br>c) Whether LCC is integrated type or standalone type<br>d) Whether existing GIS bays are connected with Cable or GIB<br>e) Whether space is available for Bay extension in the existing GIS Hall? | Bidders are kindly invited to visit all re-quired locations | N        |
| 47  | Vol. 2,<br>8,<br>Clause no. 1.2.4, Extension of existing 132/33kV GIS substation Dhamrai, | Please furnish the following details of existing Daudkandi substation :<br>a) Make & model number of Substation automation system (SAS)<br>b) Make & model number of Bus bar protection (CRP)<br>c) Make & model number of FOTE<br>d) Make & model number of DFDR<br>e) 132kV busbar protection - Centralised or Decentralised                                  | Bidders are kindly invited to visit all re-quired locations | N        |

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| 48  | Vol. 3,<br>B-18,<br>Schedule no. 1, Renovation/New 132/33kV GIS substation Bagerhat, SI no. F1, Earthing / auxiliary power transformer  | a) As per referred item, Auxiliary power transformer shall be supplied for bagerhat substation. However the same is not mentioned in the vol.2, clause no. 1.2.5. Please check and amend the scope of works as per requirement.<br>b) If auxiliary transformer is required for this substation, please include associated 33kV outdoor equipment like disconnecter, CT, LA in the bid price schedule.   | Please, follow the price schedule | N        |
| 49  | Vol. 3,<br>B-18,<br>Schedule -1, Renovation/New 132/33kV GIS substation Bagerhat, SI No. D9.2, Water spary system   | As per referred line item, water spray system has been envisaged for new 132/33kV transformer.<br>We are not envisaging any fire protection system for existing 132/33kV transformer which are to be dismantled & transported from some other location, as there is no line item available in bid price schedule. Please check and confirm.<br>If required, please add separate line item in BPS for Water spray system of existing transformers. | Yes                               | N        |
| 50  | Vol. 2,<br>9,<br>Clause no. 1.2.5, Renovation/New 132/33kV GIS substation Bagerhat -The existing 33 kV AIS switchgear has to be completely renovated with:<br>– new 33 kV single busbar, divided at four sections by three disconnectors<br>– four (3) 33 kV transformer (132/33 kV) bays | As per referred clause, existing 33 kV AIS switchgear has to be completely renovated. In this regard, we understand only main busbar shall be dismantled and new 33 kV single busbar, divided at three sections by two disconnectors shall be provided for all existing & new bays.   | And required transformer bays     | N        |
| 51  | Vol. 2,<br>9,<br>Clause no. 1.2.5, Renovation/New 132/33kV GIS substation Bagerhat -The existing 33 kV AIS switchgear   | Please confirm whether existing 33kV MV switchgear is outdoor AIS switchyard or indoor Switchgear?  | AIS outdoor                       | N        |

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| 52  | Vol. 2,<br>9,<br>Clause no. 1.2.5, Renovation/New 132/33kV GIS substation Bagerhat - SCADA control for five (5) number of 33kV shed feeder (BCU & panel)                     | a) As per referred clause, five number of 33kV bay shall be provided with BCU & panel. However as per referred clause only three number of 33kV bays shall be provided. Please check and confirm the number of 33kV bays.<br><br>b) Please add a separate line item in BPS, as there is no line item available for the Control & Protection for 33kV bays.   | And two section disconnector<br><br>tem G4 is added: <b>Control, Protection and SAS complete set for Switch-gear 33 kV</b><br><br>Please, see answer 21 | YES<br>2 |
| 53  | Vol. 2,<br>9,<br>Clause no. 1.2.5, Renovation/New 132/33kV GIS substation Bagerhat-The existing switch-gear has to be completely dismantled and stored at the storage place, | Please furnish the following details of existing Switchgear that need to be dismantled for Bagerhat substations:<br>a) Voltage level - 132kV or 33kV<br>b) Type of busbar<br>c) Number of line bays<br>d) Number of transformer bays<br>e) Number & rating of transformers, if transformer dismantling is required.<br>f) Existing 132kV Switchyard SLD & layout<br>g) Whether the same land shall be used for the New GIS substation? | Bidders are kindly invited to visit all required locations  | N        |
| 54  | Vol. 2,<br>,<br>Drawing No. BAG/4.5.2, Layout for Renovation/New 132/33kV GIS substation Bagerhat GIS substation   | a) Please furnish overall plot dimension for Bagerhat GIS substation.<br>b) In the layout, dimensions are not indicated. Hence, please furnish the distance between 132kV GIS building & the first 132kV tower/Gantry.   | Bidders are kindly invited to visit all required locations  | N        |



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| 55  | Vol. 2,<br>,<br>Clause no. 1.2.5 & 1.2.6, Bagerhat & Bhulta GIS substation- Complete civil works and facilities for new GIS 132kV and control building with cable basement | As per referred clause, we understand that new 132kV GIS building shall be provided with control building. However separate control building drawing is available in drawing no. BLDG/16.1.<br><br>In this regard, we presume that drawing no. BIDG/16.1 is not applicable for this package. Control building shall be provided above the 132kV GIS building. Please confirm whether Bidder's understanding is in order. | Yes, your understanding is correct  | N        |
| 56  | Vol. 3,<br>B-21,<br>Schedule -1, SI No. Q3.1   | Please furnish the technical specification & Datasheet for 33kV cable as the same is not available in the Bid documents.   | Please, follow the tender requirements<br><br>This is part of detail design – which will be subject of PGCB approval.<br><br>Bidder has to foresee maximum requirements               | N        |
| 57  | Vol. 3,<br>B-22,<br>Schedule -1, Renovation/New 132/33kV GIS substation Bhulta,  | We are not envisaging any fire protection system for existing 132/33kV transformer which are to be dismantled & transported from some other location, as there is no line item available in bid price schedule. Please check and confirm.<br>If required, please add separate line item in BPS for Water spray system of existing transformers.  | Yes   | N        |
| 58  | Vol. 2,<br>B-24,<br>Clause No. 1.2.6, Renovation/New 132/33kV GIS substation Bhulta  | In Package-1.1, Bhulta substation is 132kV AIS. However, in Package-4.1, the same is 132kV GIS. We understand the substations are different in the same location. Please confirm whether Bidder's understanding is in order.   | No your understanding is not correct<br><br>Bhulta 400/230/132 kV AIS Substation is part of Package 1.1<br><br>(Existing AIS) Bhulta 132/33 kV GIS Substation is part of Package 4.1. | N        |

| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification                               | Add. Y/N |
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| 59  | Vol. 3, B-24, Schedule -1, Renovation/New 132/33kV GIS substation Bhulta, SI no. K1.X, LVAC switch-board  | As per referred item, new LVAC switchboard shall be provided for the Bhulta substation. However, there is no line item available for auxiliary transformer in the Bid price schedule. In this regard, we presume that adequate capacity axiliary transformer is already available and incomer of new LVAC DB shall be connected with LV side of existing auxiliary transformer.  | Yes  | N        |
| 60  | Vol. 3, B-24, Schedule -1, Renovation/New 132/33kV GIS substation Bhulta, SI no. J1.X & K1.X  | As 33kV bays are not under the scope of this package, we presume that the LVAC DB & DCDB are required only for the 132kV bays. Please confirm.   | Yes  | N        |
| 61  | Vol. 2, 9, Clause no. 1.2.6, Renovation/New 132/33kV GIS substation Bhulta  | We are not envisaging any 33kV equipment for Bhulta substation as the same is not mentioned in bid price schedule & scope of work. Please confirm.   | Please, follow the price schedule                          | N        |
| 62  | Vol. 2, 9, Clause no. 1.2.6, Renovation/New 132/33kV GIS substation Bhulta-The existing switchgear has to be completely dismantled and stored at the storage place, | Please furnish the following details of existing Switchgear that need to be dismantled for Bagerhat substations:<br>a) Voltage level - 132kV or 33kV<br>b) Type of busbar<br>c) No. of line bays<br>d) No of transformer bay<br>e) Number & rating of transformers, if transformer dismantling is required.<br>f) Existing 132kV Switchyard SLD & layout<br>g) Whether the same land shall be used for the New GIS substation? | Bidders are kindly invited to visit all required locations | N        |

| No. | Volume / Section / Clause / Item / Page  | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification   | Add. Y/N |
|-----|--|--|--|----------|
| 63  | Vol. 2,<br>,<br>Drawing No. BHU/2, Layout for Renovation/New 132/33kV GIS substation Bhulta GIS substation                                 | a) Please furnish overall plot dimension for Bhulta GIS substation.<br>b) In the layout dimensions are not indicated. Hence, please furnish the distance between 132kV GIS building & the first 132kV tower/Gantry.  | Bidders are kindly invited to visit all required locations                   | N        |
| 64  | Vol.3,<br>Page No. 81,<br>Clause No. 5.2.1.8 to 5.2.1.13, 132kV Disconnecter , SI No. 2.9 & 2.10 - Rated duration of short circuit current | As per referred clause rated duration of short circuit current for 132kV disconnecter main blade & earthing blades shall be 3 sec. However as per vol.2, Clause no. 1.6.1, page no. 24, rated short circuit current for 132kV system shall be 40kA for 1 sec. As both the clauses are contradicting, please check and confirm the actual duration of short circuit current for 132kV system. | 1 s  | N        |
| 65  | General,<br>,<br>Diesel generator  | We are not envisaging DG set for the project as no line item is available in BPS for the same. Please confirm.   | Yes, your understanding is correct   | N        |
| 66  | General,<br>,<br>CCTV  | We are not envisaging CCTV system for the project, as no line item is available in BPS for the same. Please confirm.<br><br>If required, please include a separate line item in the Bid price schedule and furnish technical specifications for the same.  | Confirmed  | N        |
| 67  | Vol. 2,<br>,<br>SAS Architecture, Drg. No. SAS/15.1  | We presume that Parallel redundant protocol / HSR is not required for the bay level IED communication to SAS as the same is not indicated in the technical specification. Please confirm whether Bidder's understanding is correct.  | RSTP with Ring topology is required (HSR can only be used between the IED's) | N        |

| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification                               | Add. Y/N |
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| 68  | Vol. 2,<br>,<br>Drawing No. COM/15.2<br>Substation telecommunication system architecture  | Please furnish station-wise FOTE schematic drawing with the following details to understand the scope better:<br>a) Number of stations inter-connected<br>b) Distance between each communication link<br>c) Whether FOTE system for the remote end station also to be supplied under this contract?  | Bidders are kindly invited to visit all required locations | N        |
| 69  | Vol.2,<br>55,<br>Clause no. 2.28.1, Nominal current rating  | As per referred clause, "Every current carrying part of the equipment shall be capable of carrying its site rated current continuously under the site ambient conditions" So as per clause no. 1.7, maximum ambient temperature is 45Deg.C. So we are envisaging 45Deg.C as a design ambient temperature for all Outdoor equipment & 40Deg. C ambient for all indoor GIS equipment as per IEC. Please confirm.   | Yes  | N        |
| 70  | Vol. 2,<br>Page No.116,<br>Clause No. 3.4.6.19, Type tests  | As per referred clause, Type test shall be conducted for AIS circuit breaker. However as per Vol.1, Section-VI, Clause No. 1.3, Page No. VI-4, Type test reports shall be subject to the approval of Employer/ Engineer. Type-test reports shall not be older than ten (10) years at the time of their submittal.<br>In this regard, we are not repeating type test for any of the Equipment/Switchgear. Valid Type test reports shall alone be submitted. Please confirm. | Confirmed  | N        |
| 71  | Vol. 2,<br>,<br>Clause No. 3.4.6.19, 3.4.7.14, 3.4.8.12, 3.4.8.13, 3.4.8.14, 3.4.8.16, 3.4.9.12, 3.4.10.10, 4.15.1, 16.14 - Type test | In the referred clause, type tests are specified for different equipment which is not matching with list of tests as mentioned in Vol.1, section-VI, Page No. VI-1. In this regard, we shall submit type test reports for all equipment as per Vol.1, section- VI, Page No. VI-1. Please confirm acceptance.   | Confirmed  | N        |

| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification       | Add. Y/N |
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| 72  | Vol.1,<br>VI-5,<br>Section-6, Clause-1.3  | <p>From the referred clause, we understand that the integration test sequence for the combination of cables &amp; cable accessories, as per IEC 60840/62067 shall be submitted as part of the bid.</p> <p>Hence, we understand that no Pre-qualification tests are necessary for the cabling system offered. Please check and confirm. If PQ tests are required, please inform to all Bidders to have a uniform &amp; transparent Bidding.</p> | Yes, your understanding is correct | N        |
| 73  | Vol. 2,<br>Page No.136,<br>Clause no. -4, Power transformer   | <p>We presume that the following online monitoring systems are not envisaged for transformers supplied under this package, as the same are not mentioned in the technical specification:</p> <p>a) Online Oil drying system<br/>b) Online bushing monitoring system<br/>c) Online DGA<br/>d) Fiber optics temperature monitoring system.</p>   | Yes, your understanding is correct | N        |
| 74  | Vol. 3,<br>Page No.118,<br>Clause no. 5.2.3.1, D2 : 132/33kV 80/120MVA power transformer, SI No. 3.1.1, Short circuit impedance - HV-MV, on the basis of rated power 300MVA with on-load tap changer in middle position | <p>As per referred clause, the Short circuit impedance of <b>132/33kV</b> transformer is mentioned as <b>12% at 300MVA base</b>. We understand it is a typographical error and interpret the same shall be <b>12% at 120MVA base</b>. Please confirm.</p>  | Yes, your understanding is correct | N        |

| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification   | Add. Y/N |
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| 75  | Vol. 2,<br>Page No. 168,<br>Clause No. 5.4 Backup control panel                 | As per the referred clause, backup control panels are to be provided for control & operation of the plant in the event of SAS system failure. However, as per the SAS architecture drawing, SAS/15.1, Back up control panels are not indicated. Hence we propose control & operation through SAS based system only without any Backup control panels. Please confirm.<br><br>If hardwired backup control mimic is required, please clarify whether backup mimic fully supervised with an electronic system is required? | Back up panel shall be provided<br><br>All Drawings are PRELIMINARY and FOR TENDER PURPOSE ONLY<br><br>Yes   | N        |
| 76  | Vol. 2,<br>Page No.172,<br>Clause no. 5.9.1, 132kV transmission line protection | a) Back up overcurrent & earth fault protection shall be inbuilt feature of main -1 & 2 distance relay as per drawing no. TBD 12.2. Please confirm.<br>b) We are not envisaging any line differential protection relay for this package as the same is not mentioned in the specification.  | Yes, but other Bidders can proposed other technical acceptable solutions according to the tender specification<br><br>Bidders have to follow tender requirements | N        |
| 77  | Vol. 2,<br>Page no. 176,<br>Clause No. 5.10.1, Bus bar protection               | We propose Centralized busbar protection, as the new substations are AIS or GIS and the associated control & relay panels are located in the same control room. Please confirm acceptance.  | Yes, but other Bidders can proposed other technical acceptable solutions according to the tender specification   | N        |
| 78  | Vol. 2,<br>Page No.176,<br>Clause No. 5.10.1, Bus bar protection                | We presume that offered busbar protection central unit (in case of Decentralised busbar protection) shall be upgradable to the future bays as indicated in SLD and we will supply busbar protection bay units only for the present scope of work. Please confirm.   | Yes  | N        |

| No. | Volume / Section / Clause / Item / Page  | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification  | Add. Y/N |
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| 79  | Vol. 2,<br>Page No.178,<br>Clause No. 5.11 & 5.12  | Kindly confirm the following:<br>a) Whether LBB can be a part of busbar protection or Main protection relay?<br>b) Whether Auto reclose and sync check feature can be inbuilt feature of BCU?                             | Can be both<br><br>Can be both  | N        |
| 80  | Vol. 2,<br>Page No.181,<br>Clause No. 5.15 -Transformer protection                                   | We are envisaging following inbuilt feature of main differential relay as per drawing no. TBD/12.4<br>a) REF protection<br>b) Overcurrent & earthfault protection<br>c) Standby earthfault protection.<br>Please confirm. | No comment  | N        |
| 81  | Vol. 3,<br>Page No. 117,<br>Clause No. 5.2.3.1, SI No. 2.3, Rated voltage - 132± 10 x 1.25% / 34.5kV | As per referred clause we understand that no-load voltage ratio of 132/33kV power transformer shall be 132/34.5kV. Please confirm.  | Yes   | N        |
| 82  | Vol. 3,<br>B-19,<br>Schedule --1, B4, Capacitive voltage transformer                                 | Please specify the capacitance value of Capacitive voltage transformer.   | 4400pF, +10% and -5%  | N        |
| 83  | Vol. 2,<br>Page No.221,<br>Clause no. 6.12.4, All cable trays shall be Perforated.                   | As per referred clause, cable trays are to be perforated. Kindly specify whether ladder type cable trays shall be used instead of perforated trays.   | Not inside the building or relay houses<br><br>Outside yes                      | N        |
| 84  | Vol. 2,<br>Page No.226,<br>Soil resistivity (Cl.7.5)   | Soil resistivity of 100 ohm-m is specified for bid submission. Please clarify how the adjustments can be made during detail engineering if the soil resistivity value increases or decreases?                             | No adjustment will be possible.<br><br>Bidder has to accept full responsibility | N        |

| No. | Volume / Section / Clause / Item / Page                                     | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification   | Add. Y/N |
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| 85  | Vol. 2,<br>Page No.228,<br>Backfill above main earth mat (Clause No. 7.7.3) | As mentioned in Cl. 7.7.3 of Volume 2, after laying main earth mat and backfilling, bricks are to be used for filling upto finished site level. Kindly clarify whether bidder can use gravel instead of bricks.                                       | Please read the clause 10.1.3.4 as well.<br><br>Bidders have to follow tender requirements.  | N        |
| 86  | Vol. 2,<br>Page No.325,<br>Clause No. 12.1 - NLDC integration               | We presume that the existing communication infrastructure are adequate for transmission of signals to NLDC and hence supply, installation, testing & commissioning of the same is not envisaged under present scope of works. Please confirm.         | Yes  | N        |
| 87  | Vol. 2,<br>Page No.344,<br>Clause 13.28, Indoor light fixtures              | As per the referred clause Fluorescent tube light fixtures are indicated. Hence we do not envisage supply of LED fixtures for indoor lighting. Please confirm whether Bidder's understanding is correct.  | We don't understand your question  | N        |
| 88  | Vol. 2,<br>Page No.345,<br>Clause 13.29                                     | Please furnish the following details regarding lighting<br>a) Maintenance factor for Indoor & Outdoor lighting<br>b) Uniformity for Indoor & Outdoor lighting<br>c) Lux level required for 132kV GIS room<br>d) Type of light fixture for GIS room    | We don't understand your question<br><br>All of your question will be subject of detail design – which will be subject of PGCB approval.<br><br>Bidder has to foresee maximum requirements | N        |
| 89  | Vol. 2,<br>Page No.372,<br>Clause No. 14.9.4.5, 48V Battery capacity        | As per referred clause 48V Battery capacity shall be 200Ah at the 10 hour rate. However as per vol-3, Schedule-1, SI No. J2.X, 48V battery capacity shall be 250 Ah at the 5-hour rate of discharge. Please check and confirm the actual requirement. | 250 Ah   | N        |



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| 90  | Vol. 2,<br>Page No.373,<br>Clause No. 14.10, SI No. 1.3, Transmission capacity, STM-1 : 155                   | In the referred clause of technical specification the transmission capacity of Fiber optic telecommunication system is indicated as STM-1. However as per Volume 2, Clause no. 1.4.1, STM-16/64 is indicated. As both the statements are contradictory, please clarify the exact requirement.  | STM-16/64  | N        |
| 91  | Vol.2,<br>401,<br>Clause-16.10.6  | From the referred clause, we understand that core screen refers to the conductor screen as mentioned in clause 16.10.3. In this regard, we would like to clarify that normally the metallic sheath & conductor shall be designed suitably to withstand the system fault current. Hence, please check & confirm whether conductor screen shall also withstand the system fault current? | Yes  | N        |
| 92  | Vol.3,<br>49,<br>Clause no. 1.4, Detailed Description of the Scope of Supply for the Telecommunication System | Substation name given in the referred clause is not relevant to this package. Please check and update the referred clause.   | Yes, your remark is correct. Relevant substations are other end substations  | N        |
| 93  | Vol.3,<br>50,<br>Clause no. 1.4.2, Map of Bangladeshi telecommunication system                                | As per referred clause map of Bangladeshi telecommunication system is enclosed in the bid drawings. However the same is not available in the bid drawings. Please check and furnish the map of Bangladeshi telecommunication system  | Please see the Attachment-1 (EEGBPSP - Package 4.1. - Vol 2 - Query no. 93-revision 1_Map_Optical_Fiber_Network_OFCL) for tender purpose only.<br><br>Bidders are kindly invited to visit all required locations for more information. | N        |

| No. | Volume / Section / Clause / Item / Page               | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification  | Add. Y/N |
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| 94  | Vol.3,<br>9,<br>Clause no. 1.2.5 Bagherhat substation | As per referred clause, five line bays are connected to Substation Goalpara, Mongla and Bhandaria in Bagherhat substation. In this regard please furnish the distance between Bagherhat substation and remote end substations. | Bidders are kindly invited to visit all required locations  | N        |
| 95  | Vol.3,<br>10,<br>Clause no. 1.2.6 Bhulta substation   | As per referred clause Bhulta substation is connected to substation Haripur & Ghorasal. In this regards, please furnish distance between Bhulta substation and remote end stations.  | Bidders are kindly invited to visit all required locations  | N        |
| 96  | Vol. 2,<br>,<br>Insulator                             | Please confirm whether bidder can propose long rod porcelain / polymer insulator instead of disc insulator?  | YES   | N        |
| 97  | Vol. 2,<br>,<br>Cable laying in trenches              | We propose to lay cables on support angles in outdoor trenches. For GIS hall & control building, cables shall be laid in trays. Please confirm.  | No  | N        |
| 98  | Vol. 2,<br>,<br>Outdoor lighting                      | a) Please confirm whether light fixtures shall be mounted on towers and Lightning-cum-Lighting masts.<br>b) Please furnish the type of fixture to be used for outdoor lighting i.e LED or conventional.                        | All of your question will be subject of detail design – which will be subject of PGCB approval.<br><br>Bidder has to foresee maximum requirements | N        |

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| 99  | Vol. 2,<br>14,<br>Clause No. 1.3.3, General principle and description of SCMC<br>"The station level equipment will be power supplied from the two independent AC sources:<br>• One from the AC station auxiliaries 230 V AC 50 Hz,<br>• The second one from a UPS,<br>• An automatic change over shall prevent supply interruption | As per referred clause, station level equipment will be supplied from two independent AC sources, out of which one shall be UPS supply.<br><br>However, there is no line item available for UPS in Bid price schedule. In this regard, please add a separate line item in BPS with detail specification.  | We don't understand your question  | N        |
| 100 | Vol. 2,<br>Page No.80,<br>Clause No. 3.4.5 HV GIS equipment<br>Special tools & maintenance equipment for 132kV GIS   | We do not envisage the following equipment for operation & maintenance of GIS<br>a) SF6 gas filling & evacuation plant<br>b) Partial discharge monitoring system<br>c) SF6 gas leak detector<br>d) Dew point meter<br>e) Operation analyser<br>If required, please include the above operation & maintenance equipment in the technical specification document , BPS & furnish specifications for the same. | No. Just opposite.<br><br><b>Equipment A &amp; C are mandatory</b><br><br>One complete portable SF6 gas filling & evacuation plant (DILO) and one SF6 gas leak detector shall be provided for complete lot (not for each sub-station)<br><br>You have to include and provide all of mentioned equipment<br><br>Price shall be included in GIS equipment, not separately<br><br>You can use those equipment for installation testing and commissioning<br><br>You have to provide training at site during installation, testing and commissioning for PGCB personal | N        |

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| 101 | Vol. 2,<br>,<br>Earthing  | We presume that earthing & gravel filling in the switchyard are required only for the bays under present scope of work. Please confirm.  | Yes   | N        |
| 102 | ,<br>,<br>Order of Precedence   | Technical requirements for the tender are specified in 3 broad categories - 1) Bid Price Schedule; 2) Technical specifications - Volume 2 of 3 and Volume 3 of 3; 3) Tender drawings like SLD & Layout. In case of contradictions among these documents, please inform the order of precedence - which one will prevail over others. | All are relevant and equal and maximum requirement in any will prevail  | N        |
| 103 | Vol. 2,<br>Page No.3,<br>Clause No. 1.2- The bid price shall include supply and delivery of mandatory spare parts, maintenance tools, and test equipment. | There is no list available in technical specification & BPS for mandatory spare parts, maintenance tools, and test equipment.. If the same is required, please furnish the list of mandatory spare parts, maintenance tools, and test equipment list and add a separate line item in BPS.  | One complete portable SF6 gas filling & evacuation plant (DILO) and one SF6 gas leak detector shall be provided for complete lot (not for each sub-station)<br><br>The price shall be included in the equipment | N        |
| 104 | Vol. 2,<br>Page No.130 & 131,<br>Test on RIV at site (Cl. 3.4.8.12 to 3.4.8.14)   | As per the referred clause, it is mentioned that tests for corona and RIV has to be carried out by Bidder at factory and at site. In this regard, we presume that if the bidder submits valid type test report, then the same need not be repeated. Please confirm whether bidder's understanding is correct.                        | Yes   | N        |

| No.           | Volume / Section / Clause / Item / Page  | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification                                 | Add. Y/N |
|---------------|--|--|--|----------|
| 105           | Vol. 2,<br>,<br>Drawing no. DHA/2.1 - Extension of existing 132/33kV GIS substation Dhamrai Single line diagram                            | As per the referred drawing, Outdoor GIS is indicated. However, in bid price schedule -1, page no. B-14, SI No. BG.1, Indoor and partly outdoor GIS line bay is mentioned. In this regard, please confirm that existing 132kV GIS is outdoor or indoor? Also please clarify whether outdoor or indoor GIS is envisaged for bay extension in Dhamrai substation under this package? | Please, see answer 32  | N        |
| Civil Queries |  |  |  |          |
| 106           | Vol-2, Scope of work, Page -2 & Vol-3 , Schedule B , Bid prices<br>,<br>General & Common for S/S,<br>Cl.no : 1.2 &<br>Schedule 4 Item no-L | As per referred scope, the soil investigation is in bidders scope.<br>However in price schedule there is no separate item for the same.<br>Kindly add an item for the same in price schedule.  | Price for soil investigation shall be included in the design | N        |
| 107           | Vol-2, Scope of work,<br>General & Common for S/S,<br>Cl.no : 1.2  | As per referred clause, the land development is in bidders scope.<br>Kindly provide the following details for all S/S in order to estimate the quantum of work.<br>1. Contour survey (if available)<br>2. Soil investigation report (if available)<br>3. FGL for the proposed SS   | Bidders are kindly invited to visit all required locations   | N        |
| 108           | Vol-2, Scope of work &<br>Vol-3 , Schedule B , Bid prices ,<br>General & Common for S/S,<br>Cl.no :1.2 &<br>Schedule 4 Item no-L           | As per referred clause & BPS "The new 132 kV GIS and control three-storey building with cable basement, is in the scope of work for New S/S.<br>Kindly provide the following details for the building in order to estimate the quantum of work.<br>1. Room requirement<br>2. Area of rooms<br>3. General arrangement<br>4. finishing schedule                                      | Bidders are kindly invited to visit all required locations   | N        |

| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification                               | Add. Y/N |
|-----|---|---|--|----------|
| 109 | Vol-2, Scope of work & Vol-3 , Schedule B , Bid prices , General & Common for S/S, Cl.no :1.2 & Schedule 4 Item no-L                  | As per referred clause & BPS "The Adaptation of existing control building, to accommodate the equipment including finishing works like rendering, painting, floor finishing, etc.," is in the scope of work for DAUDKANDI & DHAMRAI Extension S/S.<br>Kindly furnish the drawing to access the building finishing work.                     | Bidders are kindly invited to visit all required locations | N        |
| 110 | Volume 2, Vol-2, Technical specification ,Section 11, General & Common for S/S, Cl.no : 11.2  | We trust that, all structure shall be connected with their foundation by foundation bolts with base plate.<br>Please confirm.   | Yes  | N        |
| 111 | Volume 2, Vol-2, Technical specification ,Section 11, General & Common for S/S, Cl.no : 11.7.4  | We presume that, the galvanisation thickness for structures is 610g/sq.m for all proposed substations.<br>Please confirm.   | According to standard                                      | N        |
| 112 | Vol-2, Technical specification Sec-10 (Buildings and Civil Engineering Works) , General & Common for S/S, Cl.no : 10.2.3.6 (Drainage) | We wish to inform that, the type of drain & provision of drain is not specified in the tender document.<br>We presume that, the drain shall be brick masonry type and the same shall be provide on one side of the road.<br>Please confirm.   | Drain type shall be decided based on layout                | N        |
| 113 | Vol-2, Technical specification Vol-2, Drawings , General & Common for S/S, Cl.no : 10.2.3.8 (Road) & Drawing no - ROAD/18.3           | As per referred clause, the road has concrete slab above one layer of 1st class brick in herringbone fashion laid over 1st class bricks laid flat in and on a layer of sand.<br>However in attached drawing below the road slab, 150mm thk. Sand -Khoa consolidation (1:2) is only provided.<br>Please clarify which one has to be adopted. | Drain type shall be decided based on layout                | N        |

| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification   | Add. Y/N |
|-----|---|---|--|----------|
| 114 | Vol-2, Technical specification<br>Sec-10 (Buildings and Civil Engineering Works)<br>,<br>General & Common for S/S,<br>Cl.no : 10.1.3.1 & 'Cl.no : 10.2.3.1  | As per referred clause 10.1.3.1, it is mentioned that the horizontal earthquake force is 0.1G. However in Cl.no : 10.2.3.1, the same earthquake force is mentioned as 0.2G. Please clarify, which one is to be considered for design.   | 0.1 G  | N        |
| 115 | Vol-2, Technical specification &<br>Vol-3 , Schedule B , Bid prices ,<br>General & Common for S/S,<br>10.2.3.16 (Fences) &<br>Schedule 4 Item no-L2 XE (11) | As per referred clause , the bidder shall erect a permanent fence 2.0m high in accordance with BS 1722 part 10 .Please furnish the drawing for the same for estimate the quantum of work.   | Drawings can be found in the tender  | N        |
| 116 | Tender document, Volume 2<br>Scope of work,<br>General & Common for S/S,<br>Cl.no : 1.2   | We trust that, the fire fighting system for the all proposed S/s shall be Nitrogen Fire Fighting System. Hence fire fighting pump house & water tank is not required for the proposed S/s. please confirm.  | Your understanding is not correct.<br>Please read the tender document carefully. | N        |
| 117 | Volume 2, Sec-10 (Buildings and Civil Engineering Works),<br>General & Common for S/S,<br>Cl.no : 10.2.3  | We wish to inform that, the detailed pile foundation specification is not attached with tender document.<br>please provide the same, in order to ascertain the quantum of work.   | Bidders are kindly invited to visit all required locations                       | N        |
| 118 | Tender document, Volume 2<br>Vol-3 , Schedule B , Bid prices ,<br>General & Common for S/S,<br>Cl.no : 1.2 &<br>Schedule 4 Item no-L                        | As per referred clause, land development is in bidders scope and the same is paid in Lot basis as per price schedule. Since the package is involving 4New SS & 2 extension in various location. It will take considerable time to take the contour surveying.<br>Hence, request you to provide the land development quantity as unit rate basis (cu.m). | Bidders are kindly invited to visit all required locations                       | N        |

| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification  | Add. Y/N |
|-----|---|--|---|----------|
| 119 | Volume 2 (Scope of work),<br>General & Common for S/S,<br>Cl.no : 1.2                                       | Please provide the following layouts for the existing substations.<br>1. Existing General arrangement layout<br>2. Existing Cable trench, drain & gravel spreading layout.<br>3. Existing structure detailed drawing.<br>4. Existing contour layout with FGL<br>5. Existing soil report.<br>6. Existing Control room building layout in order to estimate the quantum of work. | Bidders are kindly invited to visit all required locations  | N        |
| 120 | Volume 2, Sec-10 (Buildings and Civil Engineering Works),<br>General & Common for S/S,<br>Cl.no : 10.2.3    | We trust that, the buildings shall not be designed with future floor load, as the same is not mentioned in the specification. Please confirm.  | No<br>Your understanding is not correct<br><br>Just opposite<br><br>In civil design of the building you have to include and foresee all future bays   | N        |
| 121 | Volume 2, Sec-10 (Buildings and Civil Engineering Works),<br>General & Common for S/S,<br>Cl.no : 10.2.3.28 | In referred clause, the reinforcement grade is mentioned as Fe 415. We propose to use higher grade of Fe500 in design and supply instead of Fe 415, as it is not readily available in market. Please confirm.  | Fe 415 is minimum requirement   | N        |
| 122 | Volume 2 (Scope of work),<br>General & Common for S/S,<br>Cl.no : 1.2                                       | In referred scope of work, the land development is only for switchyard work .not for full substation area for New S/S .Please confirm.   | Please be more specific. Generally – no, your understanding is not correct  | N        |
| 123 | Volume 2 (Drawing),<br>• New 132/33 kV AIS Substation Gazaria,<br>Drawing no. - GAZ/2                       | As per referred drawing, the special type bridge shown in substation area. Please clarify whether same in the bidder scope.  | Yes, but not one- two bridges shall be constructed in Gazaria substation.<br><br>One is smaller, next to the main road, but other is bigger, just before the exact substation location.<br><br>Those bridges are part of INTERNAL | N        |



| No. | Volume / Section / Clause / Item / Page  | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification   | Add. Y/N |
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|     |  |  | SUBSTATION ROADS<br><br>Bidders are kindly invited to visit all required locations |          |
| 124 | Volume 2 (Drawing),<br>• Extension of existing 132/33 kV AIS Substation Daudkandi for two 132 kV bays<br><br>,<br>Drawing no. - DAU/2  | As per referred drawing, whether the 132kV terminal tower in the scope of work. Please clarify.  | No   | N        |
| 125 | Vol-2, Scope of work & Vol-3 , Schedule B , Bid prices ,<br>• Extension of existing 132/33 kV AIS Substation Daudkandi for two 132 kV bays<br><br>,<br>Cl.no :1.2.2 & Schedule 4 Item no-L | As per referred clause "land development of the complete required switchyard area by cutting, land filling, compacting up to a suitable level" in scope of work.<br>However the same item not found in the BPS kindly include the same. Kindly clarify whether land development required or not.                               | Land development is not required   | N        |
| 126 | Volume 2 (Drawing),<br>• New 132/33 kV GIS Substation Nabinagar<br><br>,<br>Drawing no. - NAB/2  | As per referred drawing, the 33kV switchgear building shown.<br>However the same item not found in the BPS kindly include the same   | Bidders are kindly invited to visit all required locations                         | N        |
| 127 | Vol-2, Scope of work & Volume 2 (Drawing),<br>• Extension of existing 132/33 kV GIS Substation Dhamrai for two 132 kV bays,<br>Cl.no :1.2.4 &<br>'Drawing no. - DHA/2                      | As per referred scope and drawing, the 132kV GIS module supply is included in the scope of work.<br>Please clarify whether new GIS modules are to be installed on existing foundation or new foundation work has to be done.<br>If it is to be installed on existing foundation only, provide the existing foundation drawing. | Bidders are kindly invited to visit all required locations                         | N        |

| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification  | Add. Y/N |
|-----|---|--|---|----------|
| 128 | Vol-2, Scope of work &<br>Vol-3 , Schedule B , Bid prices ,<br>• Renovation / New 132/33 kV GIS Substation Bagherhat<br>,<br>Cl.no :1.2.5 &<br>Schedule 4 Item no-L | As per referred clause "The existing switch-gear has to be completely dismantled and stored at the storage place, the area has to be cultivated and not used equipment and material has to be removed." in scope of work. However the same item not found in the BPS kindly include the same and furnish the existing layout drawing to access the dismantling quantity. | Price for all of this services shall be included in the present scope of work as land development<br><br>Bidders are kindly invited to visit all required locations | N        |
| 129 | Volume 2 (Scope of work)<br>Volume 2 (Drawing),<br>• Renovation / New 132/33 kV GIS Substation Bagherhat<br>,<br>Cl.no : 1.2 &<br>Drawing No- BAG/2                 | As per referred clause, the 132kV GIS and control room building width is given 12m, however in GA layout the building width given 10m. We understand that, these sizes are indicated only.<br>Please confirm.  | GIS building shall be:<br>36 x 12 m<br><br>Yes, those dimensions are for tender purpose only<br><br>All Bidders shall foresee maximum dimensions                    | N        |
| 130 | Vol-2, Scope of work &<br>Vol-3 , Schedule B , Bid prices ,<br>• Renovation / New 132/33 kV GIS Substation Bhulta,<br>Cl.no :1.2.6 &<br>Schedule 4 Item no-L        | As per referred clause "The existing switch-gear has to be completely dismantled and stored at the storage place, the area has to be cultivated and not used equipment and material has to be removed." in scope of work. However the same item not found in the BPS kindly include the same and furnish the existing layout drawing to access the dismantling quantity. | Price for all of this services shall be included in the present scope of work as land development<br><br>Bidders are kindly invited to visit all required locations | N        |
| 131 | Volume 2 (Scope of work),<br>• Renovation / New 132/33 kV GIS Substation Bhulta,<br>Cl.no : 1.2 .6  | As per referred clause, "The Existing gantries shall be replaced with the new double system gantries for connection of all four (4) transmission lines 132 kV."<br>Please confirm that same existing foundation can be used for new structure.   | No, we can't confirm this<br><br>Bidders shall foresee NEW foundations<br><br>Bidders are kindly invited to visit all required locations                            | N        |

| No. | Volume / Section / Clause / Item / Page  | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification  | Add. Y/N |
|-----|--|--|---|----------|
| 132 | Volume 2 (Scope of work),<br>• Renovation / New 132/33 kV GIS Substation Bhulta,<br>Cl.no : 1.2 .6                       | As per referred clause, The auxiliary transformer foundation in the scope of work. However the same item in the BPS given as lot -0 .kindly clarify.   | Please, follow the price schedule   | N        |
| 133 | Vol-3 , Schedule B , Bid prices ,<br>• Renovation / New 132/33 kV GIS Substation Bhulta,<br>Schedule 4 Item no-L2 x (15) | As per referred item, "Cable Trench including deep channel for connection of the cables 132 kV from the last Transmission line tower to the GIS building" in scope of work. Please provide the cable trench cross-section drawing and length of trench in order to estimate quantum of work. | Please, ignore this sentence.<br><br>FOUR Cable connection shall be provided from NEW DOUBLE SYSTEM GANTRIES<br><br>See also answer 131 | N        |
| 134 | Vol-2, Water Spray System,<br>Page No: 162,<br>Cl.No 4.12.4  | As per referred clause, pressurizing air vessel need to provide for maintaining a reserve of fire-fighting water, kindly clarify weather separate fire water tank is required.<br>If required kindly confirm whether it should be RCC tank or steel water tank.                              | Complete Water Spray System shall be provided   | N        |
| 135 | Vol-2, Water Spray System,<br>Page No: 162,<br>Cl.No 4.12.4  | As per referred clause, pressurizing air vessel need to be designed for minimum 5 minutes but as per NFPA 850, Fire water reservoir of 2 hrs rating should be provided. kindly confirm whether we need to proceed as per specification or NFPA standard.                                     | Complete Water Spray System shall be provided   | N        |

| No. | Volume / Section / Clause / Item / Page                     | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification                  | Add. Y/N |
|-----|---|---|---|----------|
| 136 | Vol-2, Water Spray System,<br>Page No: 162,<br>Cl.No 4.12.4 | As per referred clause, bidder understand, pressurizing air vessel need to be pressurised with Air compressor and it will be used for spray system without fire pump room & fire water tank, hence Fire pumps (main / standby & Jockey pumps ) with Fire pump room has been not considered<br>kindly confirm the bidder understanding is correct. | Complete Water Spray System shall be provided | N        |
| 137 | Vol-2, Water Spray System,<br>Page No: 162,<br>Cl.No 4.12.4 | As per referred clause, One compressed air container, 1000 l of vertical type to be provided, bidder understand 1000 Liters capacity air container need to be provided.<br>Kindly confirm the bidder understanding is correct.  | Complete Water Spray System shall be provided | N        |
| 138 | Vol-2, Water Spray System,<br>General,<br>-                 | As the actuation details of spray system is not available in the specification, Bidder presume it will done through pneumatic actuated deluge valve with a separate compressor without standby.<br>Kindly confirm the bidder understanding is correct.  | Complete Water Spray System shall be provided | N        |
| 139 | Vol-2,<br>General,<br>-                                     | As the requirement of Hydrant system is not available in the specification, Bidder understand the same is not required.<br>Kindly confirm the bidder understanding is correct. if required kindly include in price schedule.  | No your understanding is not correct          | N        |

| No. | Volume / Section / Clause / Item / Page | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification                     | Add. Y/N |
|-----|---|---|--|----------|
| 140 | Vol-2,<br>General,                      | As the requirement of Fire detection & alarm system is not available in the bid price schedule, Bidder understand the same is not required.<br>Kindly confirm the bidder understanding is correct. if required kindly clarify the type of Type of FDA system(whether addressable or conventional) & include the same in price schedule. | No your understanding is not correct             | N        |
| 141 | Vol-2,<br>General,                      | As the requirement of Portable Fire extinguishers is not available in the bid price schedule, Bidder understand the same is not required.<br>kindly confirm the bidder understanding is correct. if required kindly include the same in price schedule.   | No your understanding is not correct             | N        |
| 142 | Vol-2,<br>General,                      | As the requirement of Total room flooding or Panel flooding system is not available in the specification, Bidder understand the same is not required.<br>Kindly confirm the bidder understanding is correct. If required kindly provide the specification & include the same in price schedule.   | We don't understand your question                | N        |
| 143 | Vol-2, Water Spray System,<br>General,  | As the details of pipe specification is not available in contract specification, Bidder understand the MOC shall be carbon steel of schedule 40.<br>kindly confirm the bidder understanding is correct  | No your understanding is not correct             | N        |
| 144 | Vol-2, Water Spray System,<br>General,  | Kindly provide the list of PGCB approved makes for fire fighting equipment's  | <b>WATER SPRAY system from EU/USA/Japan only</b> | N        |

| No. | Volume / Section / Clause / Item / Page                                    | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification   | Add. Y/N |
|-----|--|--|--|----------|
| 145 | Vol-2, Air Conditioning and Ventilation,<br>Page No: 346,<br>Cl.No 13.30.2 | As per the referred clause, bidder understand that common Air Cooled Split System with Air Handling Units need to be used for below rooms without any standby units.<br>• Office<br>• Control & Relay Protection room<br>• Telecommunication/SCADA/PLC room<br>• AC 6 DC Auxiliary Power Supply room Air conditioning system<br>kindly confirm the bidder understanding is correct | No<br><br>Air condition system shall be provided for all buildings<br><br>Detail design will be subject of PGCB approval | N        |
| 146 | Vol-2, Air Conditioning and Ventilation,<br>Page No: 346,<br>Cl.No 13.30.2 | As per the referred clause, all air conditioning rooms need to be provided with supply and extract system. Bidder understand that supply will be done through AC system & Exhaust system shall be done with wall mounted exhaust fans.<br>kindly confirm the bidder understanding is correct   | No<br><br>Air condition system shall be provided for all buildings<br><br>Detail design will be subject of PGCB approval | N        |
| 147 | Vol-2, Air Conditioning and Ventilation,<br>Page No: 346,<br>Cl.No 13.30.2 | As per the referred clause, all air conditioning rooms need to be provided with extract system and bidder considering 4 Air changes per hour to design of exhaust fans in A/c rooms.<br>kindly confirm the bidder consideration is correct   | No<br><br>Air condition system shall be provided for all buildings<br><br>Detail design will be subject of PGCB approval | N        |
| 148 | Vol-2, Air Conditioning and Ventilation,<br>Page No: 347,<br>Cl.No 13.30.3 | As per the referred clause, electric air heater battery need to be provided for supply air handling plants, Bidder understand that heater is for maintaining Humidity / air temperature & battery is not applicable for HVAC system<br>kindly confirm the bidder consideration is correct  | No<br><br>Air condition system shall be provided for all buildings<br><br>Detail design will be subject of PGCB approval | N        |

| No. | Volume / Section / Clause / Item / Page                        | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification   | Add. Y/N |
|-----|--|--|--|----------|
| 149 | Vol-2, Air Conditioning and Ventilation, Page No: 346, General | As the requirement of Air conditioning or ventilation for 230/132kV GIS halls is not available in the specification, Bidder understand the same is not required. kindly confirm the bidder understanding is correct. if required pls provide the specification & kindly include in price schedule. | No<br>Air condition system shall be provided for all buildings<br>Detail design will be subject of PGCB approval | N        |
| 150 | Vol-2, Air Conditioning and Ventilation, Page No: 346, General | Bidder understand air conditioning need to be provided for switch yard relay panel room with Split air conditioner (non ductable type) & without standby AC unit kindly confirm the bidder understanding is correct. if standby is required pls specify.   | No<br>Air condition system shall be provided for all buildings<br>Detail design will be subject of PGCB approval | N        |
| 151 | Vol-2, Air Conditioning and Ventilation, General, -            | Kindly provide the list of PGCB approved makes for HVAC equipment's  | There is no list   | N        |
|     |  |  |  |          |
| 152 | Vol 3 / Clause No 1.2/ Page 2                                  | As per Technical specification, "Finishing Ground Level (FGL) shall be at least 500 mm above the Highest Flooding Level (HFL)."<br><br><b>We request you to please share us the flood level of each site.</b>  | Bidders has to collect the HFL data for themselves   |          |
| 153 | Vol 3 / Clause No 1.2/ Page 2                                  | As per Technical specification, "Finishing Ground Level (FGL) shall be at least 500 mm above the Highest Flooding Level (HFL)."<br><br><b>For the existing substation, can we follow the existing switchyard level? Please confirm.</b>  | Yes  |          |

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|-----|---|--|--|----------|
|     |   |  |  |          |
| 154 | Vol 3 / Clause No 1.2/ Page 3           | As per technical Specification "The new 132 kV GIS and control building has to be with cable basement, but no full cable basement"<br><b>This clause is not clear to us. Please clarify</b>  | Please, read item 1.2. in Volume 2 or 3                              |          |
| 155 | Vol 3 / Clause No 1.2.1/ Page 11        | We request you to please share the existing switchyard layout & section drawings for Daudkandi.  | Bidders are kindly invited to visit all required locations           |          |
| 156 | Vol 2 / Dwg. No: NAB/2 / Page 430       | Please confirm the mode of connection between 80MVA transformer & 33kV switchyard. Is it by cable (cable has not been considered in tender material list) or is it by overhead conductor (tower has not considered in the layout drawing). | Please, see answer 32  |          |
| 157 | Vol 2 / Dwg. No: DAU/2 / Page 430       | We presume that the transmission line tower, which has been marked inside cloud, are not in switchyard contractor scope. Please confirm.   | Yes, your understanding is correct                                   |          |
| 158 | Vol 3 / Clause No 1.2.5/ Page 34        | According to bill of material serial no.Q.2.1 it is mentioned as "Approximate lengths are 15 to 50 meters"<br><br>Can switchyard contractor ask for extra claim if length of the cable increase beyond 50 meter? Please confirm.           | No<br><br>Bidders are kindly invited to visit all required locations |          |



| No. | Volume / Section / Clause / Item / Page | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification   | Add.<br>Y/N |
|-----|---|--|--|-------------|
| 159 | Vol 3 / Clause No 1.2.5/ Page 34        | According to bill of material serial no.Q.3.1 it is mentioned a "Approximate lengths are 20 meters"<br><br>Can switchyard contractor ask for extra claim if length of the cable increase beyond 50 meter? Please confirm.          | No<br><br>Bidders are kindly invited to visit all required locations |             |
| 160 | Vol 3 / Clause No 1.2.6/ Page 40        | According to bill of material serial no.Q.2.1 it is mentioned as "Approximate lengths are 50 to 100 meters"<br><br>Can switchyard contractor ask for extra claim if length of the cable increase beyond 100 meter? Please confirm. | No<br><br>Bidders are kindly invited to visit all required locations |             |
| 161 |   | Please share us the SBC report of the existing switchyard for this package.  | Bidders are kindly invited to visit all required locations           |             |
| 162 | Vol 2 / Dwg. No: DHA/2.1 / Page 431     | Please share the GIS drawing for Dhamrai   | Bidders are kindly invited to visit all required locations           |             |
| 163 | Vol 3- Specification of shield wire     | Please share the size & specification of shield wire going to use in this substation.  | This will be part of Detail design                                   |             |
| 164 | Vol 3- Specification of Disc Insulator  | Please share us the Disc insulator strength (in KN) & number of insulator per string for both tension & suspension.  | According to the PGCB standard<br>This will be part of Detail design |             |

| No. | Volume / Section / Clause / Item / Page | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification                               | Add. Y/N |
|-----|---|---|--|----------|
| 165 | Vol 2 /Clause: 10.1.3.5 / Page 261      | As per specification "Access road from outside of the site boundary that connects adjacent public road and all roads within the site boundary shall be provided by the Bidder"<br><br>Please share the distance of nearby public road for each new substation.                      | Bidders are kindly invited to visit all required locations |          |
| 166 | General - Civil works                   | Space for laydown area viz. Site office, Store/ Workshop etc.<br><br>We understand space of Site office, Laydown area, Fabrication yard & Store etc. shall be made available within Plot boundary in the vicinity of switchyard area free of Cost. Kindly confirm our understanding | No<br><br>This is Contractor obligation                    |          |
| 167 | General - Civil works                   | Soil Investigation<br><br>We request you to share the Soil investigation report of the existing stations enabling us to judge the nature of Soil & any specific requirements. Kindly confirm if the same report can be used for design in the event of order.                       | Bidders are kindly invited to visit all required locations |          |
| 168 | General - Civil works                   | Surplus disposal<br><br>We understand that the customer will identify the land for surplus disposal. Request to provide the maximum lead.   | No, this is Bidder/Contractor scope                        |          |

| No. | Volume / Section / Clause / Item / Page          | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification   | Add. Y/N |
|-----|--|--|--|----------|
| 169 | General - Civil works                            | Land<br><br>We understand that land for the new Substations is acquired by PGCB & is in possession of PGCB. We understand that legally Cleared & Labelled land for the new greenfield Substations shall be handed to over to bidder. Kindly Confirm  | Yes  |          |
| 170 | Scope of works                                   | We understand that in all the existing substations, no control room extension is envisaged and the existing control room is sufficient. Kindly confirm.  | Yes  |          |
| 171 | Vol II – Civil / Clause No. 10.1.3.2. / page 259 | We understand that irrespective of the soil investigation findings and recommendations, cast insitu concrete piles shall be provided for control room, gantry structures, boundary wall and transformer. Kindly confirm the same. We request you to provide the minimum diameter of pile if any. | Yes, Cast insitu piles shall be provided.<br>Minimum Diameter is part of detail design – which will be subject of PGCB approval. |          |
| 172 | Vol II – Civil / Clause No. 10.1.3.2. / page 264 | It has been mentioned that the bidder shall clear the site of trees, tree roots, shrubs, debris, and surplus soil before commencing the foundation works. Please note that we do not envisage any tree cutting in our scope of work.   | No, this is Bidder/Contractor scope  |          |
| 173 | Vol II – Civil / Clause No. 10.1.3.3. / page 261 | It has been mentioned that the bidder shall be responsible for all negotiations with local authority/WASA where a connection to a public sewer is proposed. We understand that an outlet level for the drain with the invert level will be identified by PGCB for sewage disposal design.        | We don't understand your question  |          |

| No. | Volume / Section / Clause / Item / Page                | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification   | Add. Y/N |
|-----|--|--|--|----------|
| 174 | Vol II – Civil / Clause No. 10.1.3.22 / page 300       | It has been mentioned that the soak pit (bund) for the transformer shall be designed to carry 125% of the volume of the transformer. We understand that no separate Burnt Oil tank is required. Kindly confirm.  | Yes  |          |
| 175 | General  | We understand that the galvanisation thickness for the outdoor structures shall be 610g/sqmm. Kindly confirm.  | According to the standard  |          |
| 176 | Vol II – Civil / Clause No. 10.2.3.15 / page 296       | It has been mentioned that the bidder shall be responsible for the removal of all buildings, sheds or any other structures above or below ground including the removal of any septic tanks, drains or other underground services. And the removal of any existing surfacing, roads, foundations or any other obstruction. The same is not reflected in the bid schedule. Kindly confirm. | All of those services are in Bidder/Contractor scope. No separate item |          |
| 177 | Vol II – Civil / Clause No. 10.2.3.15 / page 296 - 297 | We understand that dismantling if any shall not include segregation of wastes. Kindly confirm.   | Your understanding is not correct.                                     |          |
| 178 | Vol II – Civil / scope of works                        | It has been mentioned that the de-installation and transport of existing power transformer in Bagherhat shall be in the contractor's scope. However, the same is not reflected in the bidding schedule. We understand that this item is extra and shall be paid separately.  | No. The Price of this item is inclusive.                               |          |
| 179 | Vol II – Civil / scope of works                        | Kindly provide the oil qty. of the existing power transformer to be drained out during the de-installation process   | Bidders are kindly invited to visit all required locations             |          |

| No. | Volume / Section / Clause / Item / Page | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification  | Add. Y/N |
|-----|---|--|---|----------|
| 180 | Vol II – Civil / scope of works         | We understand that rail and access road is available for the de-installation and transportation of the power transformer.  | Bidders are kindly invited to visit all required locations  |          |
| 181 | Vol II – Civil / Bid schedule           | The schedule calls for the construction of boundary wall only and not retaining wall. Retaining wall construction required if any shall be covered separately in the price schedule. Kindly confirm. | Drawing of retaining wall is attached   | Y        |
| 182 | Vol II – Civil                          | Concrete Grade.<br><br>Civil specifications calls for RCC 30 Grade Concrete, we propose to use Ready mix Concrete if available with Fly ash alternative design mix with Fly Ash. Kindly Confirm      | No  |          |
| 183 | Vol II                                  | Concrete Grade.<br><br>We propose RCC M15 grade Concrete as grade slab in place of RCC M30 .Kindly Confirm   | No  |          |
| 184 | Vol II - Civil                          | Building Size<br><br>Kindly confirm if the building size indicated in the layout is a minimum requirement or can it be optimised during detailed engineering.  | You have to foresee all future bays<br><br>Dimensions are PRELIMINARY and FOR TENDER PURPOSE ONLY   |          |
| 185 | General – Auxillary Transformer         | Aux Transformer<br><br>Kindly confirm if the Auxillary transformer would be structure mounted or pedestal mounted  | Structure mounted is preferable, but both solution could be possible.<br><br>Contractor shall prepare detail design, which will be subject of PGCB approval |          |

| No. | Volume / Section / Clause / Item / Page | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification   | Add. Y/N |
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| 186 | Vol II – Civil , Surcharge              | <p>Surcharge</p> <p>Kindly confirm the surcharge to be considered for cable trenches and box culverts.</p>  | We don't understand your question  |          |
| 187 | Vol II , Firewall                       | <p>Firewall</p> <p>As per the tender layouts, no firewall is envisaged between the transformers. Kindly confirm if firewall has to be provided.</p>   | <p>No, your understanding is not correct</p> <p>Firewall is mandatory</p> <p>Drawings are PRELIMINARY and FOR TENDER PURPOSE ONLY.</p> |          |
| 188 | General                                 | <p>We understand that any kind of revetment/Reinstatement works, slope protection requirement shall be paid as an extra item. Kindly confirm.</p>   | No, this is Bidder/Contractor scope  |          |
| 189 | Vol-I/SCC/8.2                           | <p>As per the clause" Time for Commencement and Completion - The time for completion of the whole of the facilities shall be 30 months (thirty) from the effective date as described in the contract agreement."</p> <p><b>We understand that Substation Wise Completion, Liquidated Damages, Taking-over, DLP Commencement shall be separately applicable upon occurrence. Please confirm</b></p>                                    | We don't understand your question  |          |
| 190 | Vol-I/SCC/9                             | <p>As per the Clause" The Contractor shall acquire and pay for all permits, approvals and/or licenses from local, state or national government authorities or public service undertakings in the country where the site is located which (a) such authorities or undertakings require obtaining in the Employer's name, (b) are necessary for execution of the contract, including those required for the performance by both the</p> | Yes, all permits and approvals are in the Scope of Work  |          |

| No. | Volume / Section / Clause / Item / Page | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification | Add.<br>Y/N |
|-----|---|---|------------------------------|-------------|
|     |   | <p>Contractor and the Employer of their respective obligations under the contract, and (c) are specified in the appendix (scope of works and supply by the Employer) to the contract agreement. The cost of acquiring such permits, approvals, and/or licenses is deemed included in the contract price.</p> <p><b>We understand that the permits and approvals related to performance of obligations of the Contractor will be in scope of Contractor. Please confirm if any other statutory approval/compliance, specific for the Project establishment needs to be obtained by the Project Owner such as environmental clearance etc., If Yes, are such approvals in place/ will be in place at the time of award of Contract. Please clarify.</b></p> |                              |             |
| 191 | Vol-I/SCC/13.3.3                        | <p>As per the clause" The performance security shall not be reduced up to the defect liability period. However, if the Defects Liability Period has been extended on any part of the Facilities pursuant to Sub-Clause 27.8 hereof, the Contractor shall issue an additional security in an amount proportionate to the Contract Price of that part. The security shall be returned to the Contractor immediately after its expiration, provided, however, that if the Contractor pursuant to Sub- Clause 27.10, is liable for an extended warranty obligation, the performance security shall be extended for the period and up to the amount specified in the clause 26."</p>   | No                           |             |

| No. | Volume / Section / Clause / Item / Page | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification               | Add.<br>Y/N |
|-----|---|--|--|-------------|
|     |   | <b>We understand that the Performance security shall be valid till Defect liability period. However, in case DLP is extended for certain equipment/items, then the Performance security shall be released after submission of separate additional security in an amount proportionate to the Contract Price of that repaired/replaced part.</b>  |  |             |
| 192 | Vol-I/SCC/23                            | <p>As per the clause "The Contractor shall be responsible for bearing the costs for the above mentioned witnessing of factory acceptance tests by two Employer's Engineers in each visit, considering visa fees and health insurance to cover all medical costs that may be required during the visits, the return air fare (economy class), hotel charges, travelling expenses from airport to hotel and hotel to place of testing and return, food, laundry, together with a per diem allowance of USD 100 for maximum 7 (seven) days, for each visit and for each of the"</p> <p><b>We request that all cost and expenses for the employer's personnel including allowance shall be borne by Employer. Please confirm the acceptance.</b></p> | No, Please follow the tender requirements. |             |
| 193 | Vol-I/SCC/25.3.4                        | As per the clause" If within twenty-one (21) days after receipt of the Contractor's notice, the Project Manager fails to issue the Operational Acceptance Certificate or fails to inform the Contractor in writing of the justifiable reasons why the Project Manager has not issued the Operational Acceptance Certificate, the facilities or the relevant part thereof are   | No   |             |



| No. | Volume / Section / Clause / Item / Page | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification | Add.<br>Y/N |
|-----|---|--|------------------------------|-------------|
|     |   | <p>deemed to have been accepted as at the date of the Contractor's said notice</p> <p><b>We understand Any punch list item that does not commercially affect the operation of the Substation shall not be considered for the issue of Operational Acceptance Certificate. However, Contractor shall ensure to complete such minor items within 30 days from the date of commencement of DLP. Also, we understand single consolidated punch list (clearly stating the major and minor punch list item) will issued by Employer at the time of completion. Please confirm.</b></p>   |                              |             |
| 194 | Vol-I/GCC/27.8                          | <p>As per the Clause "If the Facilities or any part thereof cannot be used by reason of such defect and/or making good of such defect, the Defect Liability Period of the Facilities or such part, as the case may be, shall be extended by a period equal to the period during which the Facilities or such part cannot be used by the Employer because of any of the aforesaid reasons"</p> <p><b>We propose to include that the aggregate extended defect liability period under this clause shall not exceed the 24 months from the date of commencement of Defect Liability Period for such repaired/replaced equipment/works. Please confirm acceptance.</b></p> | No                           |             |

| No. | Volume / Section / Clause / Item / Page         | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification | Add. Y/N |
|-----|---|---|------------------------------|----------|
| 195 | General   | As LC opening is mandatory documents for exports items in various country, thus it would impossible for the bidder to process for exports clearance with current payment terms of Bank transfer, thus we would request you to amend the payment via LC instead of bank transfer   | No                           |          |
| 196 | General-<br>Handing over of Site Land           | Please confirm if the land shall be made available/handed-over to contractor for commencement of project activities immediately after award of LOI  | Yes                          |          |
| 197 | Vol-I/ Section VI: Employer's Requirements/ESMP | As per bidding documents the bidder must comply with ESMP requirements for whole duration of the project.<br>In view of above we request keep a lump sum fixed price to all the bidders in the Bid price Schedule for standardization and keeping all the bidders in level playing grounds wrt EMPS requirements.   | As per bid documents         |          |
| 198 | Vol-I/ITB/4.3                                   | a Bidder participates in more than one bid in this bidding process, either individually or as a partner in a joint venture, except for alternative offers permitted under ITB Clause 13. This will result in the disqualification of all Bids in which it is involved. However, subject to any finding of a conflict of interest in terms of ITB 4.3 (a) - (d) above, this does not limit the participation of a Bidder as a subcontractor in another bid or of a firm as a subcontractor in more than one bid; or<br><br><b>With reference to above clause, we understand that we can participate in the Bid as a turnkey bidder and at the same time our factories can submit the product offers to</b> | Yes                          |          |

| No. | Volume / Section / Clause / Item / Page | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification   | Add. Y/N |
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|     |   | <b>another participating bidder's. Please confirm</b>   |  |          |
| 199 | Volume 3 / Page 3                       | <p>The other ends of Transmission Lines have to be covered from the tele-communication point of view under the scope of this contract. All equipment and services have to be provided. All necessary materials, adjustments, dismantling, remedial and tidying-up work in order to complete the work specified shall be included in the contract price.</p> <p>Please provide us the make &amp; model No. of the existing Telecommunication equipment for the integration with the new / Extension / renovation substation.</p> | Bidders are kindly invited to visit all required locations   |          |
| 200 | Volume 3 / Page 3                       | <p>In transformer and bus coupler bays, the minimum number of operating mechanism for the AIS and/or GIS circuit breaker is one, but Bidders can propose circuit breakers with three OMs.</p> <p>Please confirm whether if we consider one or more operating mechanism the same will be considered during evaluation as different operating mechanism has different price. Moreover, in the BOQ it has already been defined whether it is one or three. Please confirm.</p>   | <p>We don't understand your question.</p> <p>Bidder has to offer:<br/>CIRCUIT BREAKER</p> <p>(For example:<br/>B.1.1. has to be with 3 independent OM.<br/>But B1.4 needs only one OM. If you offer CB with 3 OM – it is still one CB)</p> |          |

| No. | Volume / Section / Clause / Item / Page                      | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification | Add.<br>Y/N |
|-----|--|--|------------------------------|-------------|
| 201 | Volume 3 / Page 5/ New 132/33 kV AIS Substation Gazaria      | <p>A new 132/33 kV AIS substation Gazaria shall be connected by a new 132 kV double circuit transmission line to the existing 132/33 kV AIS Substation Daudkandi (Approximate distance between the two Substations is 14.000 m).</p> <p>This seems that the there is a typographical error and the distance between the two substation mention is wrong. Please correct &amp; provide the exact distance between the two substations.</p>  | Distance is 14 km            |             |
| 202 | Volume 3 / Page 5/ New 132/33 kV AIS Substation Gazaria      | <p>New 132/33 kV AIS substation Gazaria shall be connected by a new 132 kV double circuit transmission line to the existing 132/33 kV AIS Substation Daudkandi (Approximate distance between the two substations is 14.000 m).</p> <p>Please confirm whether the transmission line connecting the two substation (132/33 kV AIS substation Gazaria to existing 132/33 kV AIS Substation Daudkandi) is in present scope of work or not.</p> | No                           |             |
| 203 | Volume 3 / Page 5 /<br>New 132/33 kV AIS Substation Gazaria. | <p>The scope of work-132 kV Double Bus bar</p> <p>We assume scope of work for this double busbar is only for two Line bay, two transformer bay and one buscoppler bay and no future extension busbar needs to be considered. Please confirm.</p>   | Yes                          |             |

| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification | Add. Y/N |
|-----|---|---|------------------------------|----------|
| 204 | Volume 3 / Page 5 /<br>New 132/33 kV AIS Substation Gazaria.                                      | <p>The scope of work</p> <ul style="list-style-type: none"> <li>• 33 kV AIS Switchgear with four bays and space for future eight bays, with:</li> <li>• 33 kV single busbar, for all twelve bays, divided at two sections by disconnector</li> </ul> <p>We have to consider the busbar for the future extension (12 bays) also in this scope i.e. the bus bar for future expansion also needs to be considered. Please confirm.</p> | Yes, complete busbars        |          |
| 205 | Volume 3 / BOQ & Specification  | <p>Two (2) three phase, 33/0.415 kV, 200 kVA, auxiliary power transformers.</p> <p>Please confirm type of transformer required whether it is Auxiliary or Earthing transformer. As per the specification this seems to be earthing transformer and as per BOQ &amp; SLD this is seems to be a auxiliary transformer. Please confirm.</p>  | Auxiliary                    |          |
| 206 | BOQ- 2 Schedule B : Bid Prices & Schedules / Cl. No.C2.2<br>New 132/33 kV AIS Substation Gazaria. | <p>Disconnecter 36 kV, 100 A, 25 kA, 50 Hz, 170/70 kV BIL, three pole, centre break, post type, manually operated, with integrated fuse of 10 A</p> <p>Please confirm whether the requirement is correct or not as the rating of disconnector is 100 A, for 36 kV with centre break type.</p>   | Yes                          |          |
| 207 | Data Sheet – Surge arrester / Cl. No 3.6 / Mechanical Requirements                                | <p>The mechanical for the 33 kV , polymer type mentioned is :-</p> <p>3.6.1 Specified short-term load SSL (Fdyn) N ≥ 7500</p> <p>3.6.2 Specified long-term load SSL (Fstat) N ≥ 5000</p> <p>The mechanical demands seem to be very</p>  | Confirmed                    |          |

| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification   | Add. Y/N |
|-----|---|--|--|----------|
|     |   | high for class 3 polymer type insulator. We request you to please once check & confirm the rating.   |  |          |
| 208 | Vol 3 – ACSR Conductor  | We request you to please provide us the specification of ACSR conductor.   | According to PGCB standard   |          |
| 209 | HT , MV , LT and control Cable  | We request you to please provide us the specification and size of HT, MV, LT and Control cable.  | According to the Detail Design   |          |
| 210 | Bid Prices & Schedule Transformers / Water Spray system                         | Water Spray System<br><br>In the BOQ description for the power transformer fire protection says to be done by water spray system but in specification it's mentioned to be done by Nitrogen injection Fire protection system. Kindly confirm which to be considered. | Water Spray System   |          |
| 211 | Vol. 3 / 5.2.3.1 D: Transformers / Clause no. 2.3 / Rated Voltage/ Page no. 213 | As per BOQ of all package, LV Voltage requirement is 33kV.<br>Where as in GTP of all package, LV voltage requirement is 34.5kV.<br><br>Both BOQ & GTP are contradictory. So kindly confirm the final requirement of LV voltage.                                      | There is no contradiction  |          |
| 212 | Vol. 3 / 5.2.3.1 sr.no. 3.6.2 / Page no 119                                     | LV Insulation Level : LI 270 AC 70<br><br>Seem its look like typographical error (i.e.instead of LI 170, mentioned value is 270).<br>So kindly reconfirm the LV Insulation Level.  | Yes, your understanding is correct.<br>Please, consider according to the standard 170 kV |          |

| No. | Volume / Section / Clause / Item / Page  | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification   | Add. Y/N |
|-----|--|--|--|----------|
| 213 | Vol. 3 / 5.2.3.1 sr.no. 12 / Page no 120 | <p>As per GTP, Cooling Groups: total 4 : 3 working + 1 standby.</p> <p>Where as in technical specification, transformer shall be fitted with two coolers or two banks of radiators each capable of dissipating 50%of the losses.</p> <p>Both GTP &amp; technical specification are contradictory. So kindly recheck and reconfirm the final requirement of cooling group.</p>  | <p>Like in Technical schedule:</p> <p>75 % of the cooling system shall be enough for rated power</p> <p>25% of the cooling system is reserve</p> |          |
| 214 | Volume 2, 5.2.7                          | <p>5.27 Energy Meter (Tariff Metering)</p> <p>For standardisation of operating performance, facilities and spare requirements, the metering devices, together with complete panels to be supplied under this project shall be manufactured by Landis Gear (Switzerland, CEWE (Sweden) Elster (USA) or SEL (USA)</p> <p><b>Please clarify whether the Complete panel include the meter must be supplied from the above manufac-ture or can be supplied from any other approved Panels builder with meters from above mentioned make only.</b></p> | <p>Can be supplied from other manufacturers - according with the PGCB standard</p>   |          |

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| 215 | Volume 2 and 3,Bid Price schedule       | <p>1) Control, Protection, SCADA System and Metering<br/>New equipment shall be integrated into the existing system.</p> <p>2) Control, Protection and SAS set for 132/33kV Power Transformer circuits,132KV Bays and Bus Bars</p> <p><b>With reference to above mentioned Line items, please confirm in case of Extension of Existing Substations which doesn't have SAS/SCADA systems, how are supposed to integrate or we need to supply the new SAS for all the new bays including the existing one's. Please clarify</b></p> | <p>If there is existing SCADA - shall be extended</p> <p>If there is no existing SCADA – new shall be provided ONLY for the scope of work</p> <p>Bidders are kindly invited to visit all required locations</p> |          |
| 216 | Volume 2 and 3,Bid Price schedule       | <p>Digital Fault and Disturbance Recorder (DFDR) to accommodate all feeders ,for required part of substation</p> <p><b>With reference to above mentioned Line items, please confirm in case of Extension of Existing Substations which doesn't have Existing DFDR, how are supposed to integrate or we need to supply the new DFDR for all the new bays including the existing ones. Please clarify</b></p>   | Please, see Addendum  |          |
| 217 | General-132/33KV Gazaria Site           | As per our site visit, Access road to Gazaria site is not visible, can you please provide us the route of access road and description of the special bridge in the Layout Drawings  | <p>From the high way, you have to 1<sup>st</sup> enter into the API Industrial Park.</p> <p>Please see the answer no. 386</p>   |          |



| No. | Volume / Section / Clause / Item / Page  | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification | Add.<br>Y/N |
|-----|--|--|------------------------------|-------------|
| 218 | Volume-1, Payment Transfer to the Bidder | <p>B. Payment Procedures</p> <p>The procedures for applying for certification for and making payments shall be as follows:</p> <p>The payment of the portion of the contract price for goods and services under the contract shall be disbursed directly by KfW according to KfW's Simplified Direct Disbursement Procedure.</p> <p>The payment of the portion of the contract price will be paid as per PGCB's financial and account rules or any other account rules in force and adopted by the Employer.</p> <p>The Employer will pay the Contractor against the Interim Payment Certificate issued by the Engineer / Employer."</p> <p><b>With reference to above clause,can you please clarify whether the payment shall be made directly to the Bidder from KFW's account or through PGCB</b></p> | Directly                     |             |
| 219 | Volume-1, Transfer of payments.          | In case of Consortium bid,Can you please clarify whether the payment can be made to the individual partner to its own accounts for its portion of work or only to the lead partner.  | No                           |             |
|     |  |  |                              |             |

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|-----|---|---|---------------------------------|----------|
| 220 | Package4.1/Vol3/Clause 1.2.1/Gazaria    | <b><u>Gazaria 132 kV AIS SS</u></b><br>As per Schedule A, item number C3.1, C3.2, and C4 items are given as set, So far we understand that it should be in nos. Considering 1 set = 3 nos.  | Yes                             |          |
| 221 | Package4.1/Vol3/Clause 1.2.1/Gazaria    | <b><u>Gazaria 132 kV AIS SS</u></b><br>We so far understand that 36 kV LA item number C5 is required for two nos. 33KV TR feeder ,Hence total required number of LA is 2set (2set=6nos)but as per price Schedule and Schedule A ,the required quantity is 12set,Kindly give us exact quantity | According to the Price Schedule |          |
| 222 | Package4.1/Vol3/Clause 1.2.1/Gazaria    | <b><u>Gazaria 132 kV AIS SS</u></b><br>From the price schedule and schedule A, we so far understand that control, protection and automation of auxiliary Transformer is not required.   | Please, see answer 21           |          |
| 223 | Package4.1/Vol3/Clause 1.2.1/Gazaria    | <b><u>Gazaria 132 kV AIS SS</u></b><br>So far, PGCB has implemented DFDR for 230KV or higher substation but here PGCB has implemented DFDR for 132KV AIS substation .Kindly confirm the exact requirement.  | Please, see Addendum            |          |
| 224 | Package4.1/Vol3/Clause 1.2.1/Gazaria    | <b><u>Gazaria 132 kV AIS SS</u></b><br>As per Schedule A, item number B3.1, B3.2, B4 and B5 items are given as set, So far we understand that it should be in nos. Considering 1 set = 3 nos.   | Yes                             |          |
| 225 | Package4.1/Vol3/Clause 1.2.2/Daudkandi  | <b><u>Daudkandi 132 kV AIS SS</u></b><br>As per Schedule A, item number B3.2, B4, and B5 items are given as set, So far we understand that it should be in nos. Considering 1 set = 3 nos.  | Yes                             |          |

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| 226 | Package4.1/ Daudkandi                   | <b><u>Daudkandi 132 kV AIS SS</u></b><br>So far, we understand that, existing bus bar protection is provided by Schneider electric, in that case should we consider total control and protection system including bus bar protection from Schneider.  | No   |          |
| 227 | Package4.1/Vol3/Clause 1.2.2/Daudkandi  | <b><u>Daudkandi 132 kV AIS SS</u></b><br>In existing Daudkandi 132/33 Substation, there is no SAS. So far, we understand that we need to provide SAS only in our scope.   | If there is existing SCADA - shall be extended<br><br>If there is no existing SCADA – new shall be provided ONLY for the scope of work<br><br>Bidders are kindly invited to visit all required locations |          |
| 228 | Package4.1/Vol3/Clause 1.2.2/Daudkandi  | <b><u>Daudkandi 132 kV AIS SS</u></b><br>(a) So far, PGCB has implemented DFDR for 230KV or higher substation but here PGCB has implemented DFDR for 132KV AIS substation .Kindly confirm the exact requirement.<br>(b) If we need to consider DFDR for this SS, we understand that we need to provide DFDR to accommodate all feeders, which are in our scope. | Please, see Addendum   |          |
| 229 | Package4.1/Vol3/Clause 1.2.2/Daudkandi  | <b><u>Daudkandi 132 kV AIS SS</u></b><br>We understand that we need to consider BCU based tele protection and communication only for our existing scope feeders.  | Yes  |          |
| 230 | Package4.1/Vol3/Clause 1.2.3/Nabinagar  | <b><u>Nabinagar 132 kV GIS SS</u></b><br>As per schedule A, item G1.1 "control, protection and SAS set for 132 kV overhead line circuit (including the other end)". What does PGCB mean by "including the other end"?   | Line Differential protection   |          |

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|-----|---|--|--|----------|
| 231 | Package4.1/Vol3 & 2/Clause 1.2.3 & 17.3/Nabinagar | <p><b><u>Nabinagar 132 kV GIS SS</u></b></p> <p>(a) As per tender requirement, for connection of 132 kV GIS line feeder and Transformer feeder; Both GIB with bushing and cable are available. We as far understand that, bidder can consider either GIB with bushings or cable. Likewise, tendering stage and during execution stage bidder can implement whether by using GIB with bushing or Cable. Kindly confirm over our understanding.</p> <p>(b) For 132 kV, from item number Q2.1 we understand that, whether we use GIB with bushing or cable, we need to provide offer as LOT basis. If so, position of gantry tower, GIS buildings and transformer is vital to find the total length. We understand that those above mentioned position will be remained same as positioned in drawing number NAB/2.</p> | Please, see answer 32  |          |
| 232 | Package4.1/Vol3 & 2/Clause 1.2.3 & 17.3/Nabinagar | <p><b><u>Nabinagar 132 kV GIS SS</u></b></p> <p>As per SLD we can see one line DS with ES and two bus connecting DS with single ES. But as per Schedule A, item number BG.1, BG.2 these should be DS with ES. It is applicable for 132 kV line feeder and Transformer feeder. Please clarify exact requirement.</p>  | One common earth switch will be enough   |          |
| 233 | Package4.1/Vol3 & 2/Clause 1.2.3 & 17.3/Nabinagar | <p><b><u>Nabinagar 132 kV GIS SS</u></b></p> <p>In schedule A &amp; price schedule, item number BG.1 confirm T6 as GIS type, hand operated disconnector link, but in SLD (Drw. No. NAB/1.1) we cannot find this. Kindly clarify and modify the SLD if required.</p>  | <p>Hand operated Disconnector Link shall be provided</p> <p>Drawings are PRELIMINARY and FOR TENDER PURPOSE ONLY</p> |          |

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| 234 | Package4.1/Vol3 & 2/Clause 1.2.3 & 17.3/Nabinagar | <p><b><u>Nabinagar 132 kV GIS SS</u></b></p> <p>(a) As per layout LA is <b>AIS</b> type and near the gantry tower, but as per price schedule item number BG.1, BG.2 it is <b>GIS</b> type. This is applicable for 132 kV. Kindly give us exact requirements.</p> <p>(b) for item B5 we have found 12 set outdoor type 120 kV LA, we request you to confirm the exact requirement and accordingly correct the schedule</p> <p>(c) We so far understand that the exact requirement of 120 kV LA is 12 Nos. not 12 set (considering 1 set= 3 nos.). Kindly clarify on our understanding.</p> | Please, see answer 32             |          |
| 235 | Package4.1/Vol3 & 2/Clause 1.2.3 & 17.3/Nabinagar | <p><b><u>Nabinagar 132 kV GIS SS</u></b></p> <p>For line feeder and TR feeder current rating for 132 kV is 2000A, but from SLD current rating for 132 kV CB is 3150A. Kindly confirm the exact requirement.</p>   | 2000 A                            |          |
| 236 | Package4.1/Vol3 & 2/Clause 1.2.3 & 17.3/Nabinagar | <p><b><u>Nabinagar 132 kV GIS SS</u></b></p> <p>As per SLD we can see there are only two VT, but as per schedule it is stated that there are one set of VT and two DS. Kindly confirm exact requirement and provide corrected SLD.</p>  | Please, see answer 29             |          |
| 237 | Package4.1/Vol3 & 2/Clause 1.2.3 & 17.3/Nabinagar | <p><b><u>Nabinagar 132 kV GIS SS</u></b></p> <p>As per Schedule A item number C3.1, C3.2, C4 items are given as set, So far we understand that it should be in nos. Considering 1 set = 3 nos.</p>  | Yes                               |          |
| 238 | Package4.1/Vol3 /Clause 1.2.3 /Nabinagar          | <p><b><u>Nabinagar 132 kV GIS SS</u></b></p> <p>We so far understand that 33 kV LA item number C5 is required for two nos 33KV TR feeder ,Hence total required number of LA is 2set (2set=6nos)but as per price Schedule and Schedule A ,the required quantity is 12set,Kindly give us exact quantity</p>   | Please, follow the price schedule |          |

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| 239 | Package4.1/Vol 2/Clause 17.3/Nabinagar          | <b><u>Nabinagar 132 kV GIS SS</u></b><br>For 132 kV GIS building(Drawing number NAB/2); one side dimensions is provided but the other side dimension (width) not provided. Kindly provide us the width or kindly inform whether contractor has the right to finalize the size of the building.  | Minimum GIS building dimensions are 36 x 12 m<br><br>Drawings are PRELIMINARY and FOR TENDER PURPOSE ONLY |          |
| 240 | Package4.1/Vol3/Clause 1.2.3/Nabinagar          | <b><u>Nabinagar 132 kV GIS SS</u></b><br>So far, PGCB has implemented DFDR for 230KV or higher substation but here PGCB has implemented DFDR for 132KV AIS substation .Kindly confirm the exact requirement.  | Please, see Addendum  |          |
| 241 | Package4.1/Vol3 & 2/Clause 1.2.4 & 17.3/Dhamrai | <b><u>Dhamrai 132 kV AIS SS</u></b><br>(a) As per tender requirement, for connection of 132 kV GIS line feeder and Transformer feeder; Both GIB with bushing and cable are available. We as far understand that, bidder can consider either GIB with bushings or cable. Likewise, tendering stage and during execution stage bidder can implement whether by using GIB with bushing or Cable. Kindly confirm over our understanding.<br>(b) For 132 kV, from item number Q2.1 we understand that, whether we use GIB with bushing or cable, we need to provide offer as LOT basis. If so, position of gantry tower, GIS buildings and transformer is vital to find the total length. We understand that those above mentioned position will be remained same as positioned in drawing number DHA/2. | Please, see answer 32   |          |

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|-----|---|--|---|----------|
| 242 | Package4.1/Vol3 & 2/Clause 1.2.4 & 17.3/Dhamrai | <b><u>Dhamrai 132 kV AIS SS</u></b><br>In schedule A & price schedule, item number BG.1 confirm T6 as GIS type, hand operated disconnector link, but in SLD (Drw. No. DHA/1.1) we cannot find this. Kindly clarify and modify the SLD if required.   | Please, see answer 29                                 |          |
| 243 | Package4.1/Vol3 & 2/Clause 1.2.4 & 17.3/Dhamrai | <b><u>Dhamrai 132 kV AIS SS</u></b><br>(a) As per layout LA is <b>AIS</b> type and near the gantry tower, but as per price schedule item number BG.1, BG.2 it is <b>GIS</b> type. This is applicable for 132 kV. Kindly give us exact requirements.<br>(b) for item B5 we have found 6set outdoor type 120 kV LA, we request you to confirm the exact requirement and accordingly correct the schedule<br>(c) We so far understand that the exact requirement of 120 kV LA is 6 Nos. not 6 set (considering 1 set= 3 nos.). Kindly clarify on our understanding. | Please, see answer 32                                 |          |
| 244 | Package4.1/Vol3 & 2/Clause 1.2.4 & 17.3/Dhamrai | <b><u>Dhamrai 132 kV AIS SS</u></b><br>From schedule A, item BG.1, here Q1, Q2, Q9 all are DS with ES, but as per SLD Q1 is only DS without ES(Drawing DHA/2.1)  | One common earth switch can be provided for Q1 and Q2 |          |
| 245 | Package4.1/Vol3 /Clause 1.2.4 /Dhamrai          | <b><u>Dhamrai 132 kV AIS SS</u></b><br>(a) So far PGCB has implemented DFDR for 230KV or higher substation but here PGCB has implemented DFDR for 132KV AIS substation .Kindly confirm the exact requirement.<br>(b) If we need to consider DFDR for this SS, we understand that we need to provide DFDR to accommodate all feeders which are in our scope.  | Please, see Addendum                                  |          |

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|-----|---|---|--|----------|
| 246 | Package4.1/Vol3 & 2 /Clause 1.2.5 & 17.3/Bagerhat | <p><b><u>Bagerhat 132 kV GIS SS</u></b></p> <p>(a) As per tender requirement, for connection of 132 kV GIS line feeder and Transformer feeder; Both GIB with bushing and cable are available. We as far understand that, bidder can consider either GIB with bushings or cable. Likewise, tendering stage and during execution stage bidder can implement whether by using GIB with bushing or Cable. Kindly confirm over our understanding.</p> <p>(b) For 132 kV, from item number Q2.1 we understand that, whether we use GIB with bushing or cable, we need to provide offer as LOT basis. If so, position of gantry tower, GIS buildings and transformer is vital to find the total length. We understand that those above mentioned position will be remained same as positioned in drawing number BAG/2.<br/>But from the layout distance between 132 kV incomer gantry &amp; 132 kV incomer feeder, 132 kV TR feeder &amp; HT side of 132 kV TR are not provided.</p> | Please, see answer 32  |          |
| 247 | Package4.1 /Bagerhat                              | <p><b><u>Bagerhat 132 kV GIS SS</u></b></p> <p>If we need to construct the 132 kV GIS cum control building following the layout provided within tender document, demolition of any infrastructure is acceptable irrespective of the certain chance of interrupting the existing substation operation.</p> <p>If the interruption of operation of existing SS is not acceptable, requesting to provide revised layout with proper dimensions and distance.</p>   | <p>Obviously, because of limited space, interruption of continuous operation of the substation can't be avoided, but has to be kept on minimum</p> <p>PGCB will work together with Contractor to minimize the impact on the substation operation during the construction</p> |          |



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|-----|---|--|---|----------|
| 248 | Package4.1/Vol3 /Clause 1.2.5 /Bagerhat | <b><u>Bagerhat 132 kV GIS SS</u></b><br>We understand that irrespective of current methodology of connection between LT side of existing 132 kV transformers & 33 kV incomer feeder, contractor is responsible to consider the scope of connection of all new and existing transformers with 33 kV incomer in homogeneous way as mentioned in tender document.   | Yes, your understanding is correct                  |          |
| 249 | Package4.1/Vol3 Clause 1.2.5 /Bagerhat  | <b><u>Bagerhat 132 kV GIS SS</u></b><br>If the total area under the premises of PGCB is higher than total area to be developed, Kindly confirm which is correct observation:<br>(a) Contractor has right to select 7 acres at their own will, or<br>(b) PGCB, in clarification stage, will provide the exact location and demarcation of land area to be developed.  | No  |          |
| 250 |   | <b><u>Bagerhat 132 kV GIS SS</u></b><br>If during the development of land, any existing infrastructure including any building/existing store is required to be demolished, who will be responsible for this demolition.  | Contractor  |          |
| 251 | Package4.1/Bagerhat                     | <b><u>Bagerhat 132 kV GIS SS</u></b><br>We so far understand that, after construction of the new SS, existing 132 kV equipment and material, which will not be used in this project, will be dismantled. Kindly confirm, who will be responsible for this dismantle work. If contractor of this project is responsible for dismantle and transport of the equipment and material of this project, then where it should be delivered? | Contractor<br><br>No more than 100 km from the site |          |
| 252 | Package4.1/Vol3 /Clause 1.2.5 /Bagerhat | <b><u>Bagerhat 132 kV GIS SS</u></b><br>Should we consider the modification of existing boundary line? Or we need to construct completely new boundary wall for our mentioned  | Modification, Extension & Adaptation.               |          |

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|-----|---|---|---|----------|
|     |   | area?   |   |          |
| 253 | Package4.1/Bagerhat                               | <b><u>Bagerhat 132 kV GIS SS</u></b><br>During the development of the land, if removal of any tower and pole is required, who will be responsible for the scope?  | Contractor  |          |
| 254 | Package4.1/Bagerhat                               | <b><u>Bagerhat 132 kV GIS SS</u></b><br>There are several scrap on the area. Who will be responsible to remove these things? If contractor is responsible, then to where it should be transported?  | Contractor<br><br>No more than 100 km from the site |          |
| 255 | Package4.1/Vol3 & 2 /Clause 1.2.5 & 17.3/Bagerhat | <b><u>Bagerhat 132 kV GIS SS</u></b><br>33 kV line feeders and 33/11 kV TR feeders quantity differs from SLD provided drawing number BAG/1.1/3. In addition, the bus DS position is different. We understand that as PGCB just wants to construct only 3 nos. 33 kV TR feeder. They want to keep the existing 33 kV SLD unchanged. In that case, bidders need to follow site SLD and layout for 33 kV portion. Kindly confirm over our understanding. | Please, follow the Tender requirement               |          |
| 256 | Package4.1/Vol3 & 2 /Clause 1.2.5 & 17.3/Bagerhat | <b><u>Bagerhat 132 kV GIS SS</u></b><br>As per SLD we can see one line DS with ES and two bus connecting DS with single ES. Nevertheless, as per Schedule A, item number BG.1, BG.2 these should be DS with ES. It is applicable for 132 kV line feeder and Transformer feeder. Please clarify exact requirement.   | One common earth switch will be enough              |          |

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|-----|---|---|---|----------|
| 257 | Package4.1/Vol3 & 2 /Clause 1.2.5 & 17.3/Bagerhat | <b><u>Bagerhat 132 kV GIS SS</u></b><br>In schedule A & price schedule, item number BG.1 confirm T6 as GIS type, hand operated disconnector link, but in SLD (Drw. No. BAG/1.1) we cannot find this. Kindly clarify and modify the SLD if required.   | Hand operated Disconnector Link shall be provided<br><br>Drawings are PRELIMINARY and FOR TENDER PURPOSE ONLY |          |
| 258 | Package4.1/Vol3 & 2 /Clause 1.2.5 & 17.3/Bagerhat | <b><u>Bagerhat 132 kV GIS SS</u></b><br>(a) As per layout LA is <b>AIS</b> type and near the gantry tower, but as per price schedule item number BG.1, BG.2 it is <b>GIS</b> type. This is applicable for 132 kV. Kindly give us exact requirements.<br>(b) for item B5 we have found 18 set outdoor type 120 kV LA, we request you to confirm the exact requirement and accordingly correct the schedule<br>(c) We so far understand that the exact requirement of 120 kV LA is 18 Nos. not 18 set (considering 1 set= 3 nos.). Kindly clarify on our understanding. | Please, see answer 32   |          |
| 259 | Package4.1/Vol3 & 2 /Clause 1.2.5 & 17.3/Bagerhat | <b><u>Bagerhat 132 kV GIS SS</u></b><br>For line feeder current rating for 132 kV is 2000A, but from SLD current rating for 132 kV CB is 3150A. Kindly confirm the exact requirement.   | 2000 A  |          |
| 260 | Package4.1/Vol3 & 2 /Clause 1.2.5 & 17.3/Bagerhat | <b><u>Bagerhat 132 kV GIS SS</u></b><br>As per SLD we can see there are only two VT, but as per schedule it is stated that there are one set of VT and two DS. Kindly confirm exact requirement and provide corrected SLD.  | Please, see answer 29   |          |
| 261 | Package4.1/Vol 2 /Clause 17.3/Bagerhat            | <b><u>Bagerhat 132 kV GIS SS</u></b><br>As per drawing, dimensions of 132 kV GIS building is not provided. Kindly provide us exact dimensions.  | Minimum GIS building dimensions are 36 x 12 m<br><br>Drawings are PRELIMINARY and FOR TENDER PURPOSE ONLY     |          |

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|-----|---|---|---|----------|
| 262 | Package4.1/Vol3 /Clause 1.2.5 /Bagerhat | <b><u>Bagerhat 132 kV GIS SS</u></b><br>As per Schedule A, item number C3.1, C3.2, C4 and C5 items are given as set, So far we understand that it should be in nos. Considering 1 set = 3 nos.                                  | Yes   |          |
| 263 | Package4.1/Vol3 /Clause 1.2.5 /Bagerhat | <b><u>Bagerhat 132 kV GIS SS</u></b><br>So far PGCB has implemented DFDR for 230KV or higher substation but here PGCB has implemented DFDR for 132KV AIS substation .Kindly confirm the exact requirement.                      | Please, see Addendum  |          |
| 264 | Package4.1/ Bhulta                      | <b><u>Bhulta 132 kV GIS SS</u></b><br>So far we understand that if we need to make the single system gantry to double system gantry, then we need to shut down the SS. Kindly confirm.  | Obviously, because of limited space, interruption of continuous operation of the substation can't be avoided, but has to be kept on minimum<br><br>PGCB will work together with Contractor to minimize the impact on the substation operation during the construction |          |
| 265 | Package4.1/ Bhulta                      | <b><u>Bhulta 132 kV GIS SS</u></b><br>If any rerouting of existing 33 kV cable route is required for the construction of GIS building, we understand that it's not in the contractor's scope.                                   | Yes, your understanding is correct  |          |
| 266 | Package4.1/Bhulta                       | <b><u>Bhulta 132 kV GIS SS</u></b><br>There are several scrap materials including abandoned TR. Who will be responsible to remove these things? If contractor is responsible then to where it should be transported?            | Contractor<br><br>No more than 100 km from the site   |          |
| 267 | Package4.1/Bhulta                       | <b><u>Bhulta 132 kV GIS SS</u></b><br>We understand that, contractor can demolish any wall other than the property wall, maintenance shop (without further reconstruction scope) to construct 132 kV GIS come control building. | Your understanding is mainly correct. New GIS building shall be constructed on the position of the wall – so wall shall be demolished and CONTRACTOR has to foresee this and all related works and services shall be included in the price                            |          |

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|-----|--|---|--|-------------|
| 268 | Package4.1/Vol3 & 2 /Clause 1.2.6 & 17.3/Bhulta      | <p><b><u>Bhulta 132 kV GIS SS</u></b></p> <p>(a) As per tender requirement, for connection of 132 kV GIS line feeder and Transformer feeder; Both GIB with bushing and cable are available. We as far understand that, bidder can consider either GIB with bushings or cable. Likewise, tendering stage and during execution stage bidder can implement whether by using GIB with bushing or Cable. Kindly confirm over our understanding.</p> <p>(b) For 132 kV, from item number Q2.1 we understand that, whether we use GIB with bushing or cable, we need to provide offer as LOT basis. If so, position of gantry tower, GIS buildings and transformer is vital to find the total length. We understand that those above mentioned position will be remained same as positioned in drawing number BHU/2.</p> | Please, see answer 32  |             |
| 269 | Package4.1/Vol3 & 2 /Clause 1.2.6 & 17.3/Bhulta      | <p><b><u>Bhulta 132 kV GIS SS</u></b></p> <p>As per SLD we can see one line DS with ES and two bus connecting DS with single ES. But as per Schedule A, item number BG.1, BG.2 these should be DS with ES. It is applicable for 132 kV line feeder and Transformer feeder. Please clarify exact requirement.</p>  | One common earth switch will be enough   |             |
| 270 | BG.1 Package4.1/Vol3 & 2 /Clause 1.2.6 & 17.3/Bhulta | <p><b><u>Bhulta 132 kV GIS SS</u></b></p> <p>In schedule A &amp; price schedule, item number BG.1 confirm T6 as GIS type, hand operated disconnector link, but in SLD (Drw. No. BHU/1.1) we cannot find this. Kindly clarify and modify the SLD if required.</p>  | <p>Hand operated Disconnector Link shall be provided</p> <p>Drawings are PRELIMINARY and FOR TENDER PURPOSE ONLY</p> |             |

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| 271 | Package4.1/Vol3 & 2 /Clause 1.2.6 & 17.3/Bhulta | <p><b><u>Bhulta 132 kV GIS SS</u></b></p> <p>(a) As per layout LA is <b>AIS</b> type and near the gantry tower, but as per price schedule item number BG.1, BG.2 it is <b>GIS</b> type. This is applicable for 132 kV. Kindly give us exact requirements.</p> <p>(b) for item B5 we have found 18 set outdoor type 120 kV LA, we request you to confirm the exact requirement and accordingly correct the schedule</p> <p>(c) We so far understand that the exact requirement of 120 kV LA is 18 Nos. not 18 set (considering 1 set= 3 nos.). Kindly clarify on our understanding.</p> | Please, see answer 32  |          |
| 272 | Package4.1/Vol3 & 2 /Clause 1.2.6 & 17.3/Bhulta | <p><b><u>Bhulta 132 kV GIS SS</u></b></p> <p>For line feeder, current rating for 132 kV is 2000A, but from SLD current rating for 132 kV CB is 3150A. Kindly confirm the exact requirement.</p>  | 2000 A   |          |
| 273 | Package4.1/Vol3 & 2 /Clause 1.2.6 & 17.3/Bhulta | <p><b><u>Bhulta 132 kV GIS SS</u></b></p> <p>As per SLD we can see there are only two VT, but as per schedule it is stated that there are one set of VT and two DS. Kindly confirm exact requirement and provide corrected SLD.</p>  | Please, see answer 29  |          |
| 274 | Package4.1/Vol3 & 2 /Clause 1.2.6 & 17.3/Bhulta | <p><b><u>Bhulta 132 kV GIS SS</u></b></p> <p>As per Schedule item number B6 post insulator number is 18 set. By this 18 set PGCB mean that the number of Post insulator is 18 nos. Please clarify over our understanding.</p>  | Yes  |          |
| 275 | Package4.1/Vol 2 /Clause 17.3/Bhulta            | <p><b><u>Bhulta 132 kV GIS SS</u></b></p> <p>As per drawing, dimensions of GIS building are not provided. Kindly provide us the exact dimensions.</p>  | <p>Minimum GIS building dimensions are 36 x 12 m</p> <p>Drawings are PRELIMINARY and FOR TENDER PURPOSE ONLY</p> |          |

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| 276                                  | Package4.1/Vol3 &/Clause 1.2.6 /Bhulta   | <b><u>Bhulta 132 kV GIS SS</u></b><br>So far PGCB has implemented DFDR for 230KV or higher substation but here PGCB has implemented DFDR for 132KV AIS substation .Kindly confirm the exact requirement.   | Please, see Addendum  |          |
| 277                                  | Package4.1/Vol3 & 2/Clause 1.2.6 /Bhulta | <b><u>Bhulta 132 kV GIS SS</u></b><br>We so far understand that, after construction of the new SS, existing 132 kV equipment and material, which will not be used in this project, will be dismantled. Kindly confirm, who will be responsible for this dismantle work. If contractor of this project is responsible for dismantle and transport of the equipment and material of this project, then where it should be delivered?                                       | Contractor<br><br>No more than 100 km from the site<br><br>PGCB will decide later |          |
| <b>Common Question For package 4</b> |  |  |   |          |
| 278                                  |  | So far we understand that, for future bays, we don't need to construct cable trench, foundation etc. kindly confirm  | Yes, your understanding is correct  |          |
| 279                                  | Section VIII/ Clause 14.a/Vol 1          | So far, we understand that Bidders will quote the price exclusive VAT, TAX & Other duties under Price <b>Schedule No: 1.</b> Kindly confirm over our understanding.  | Yes, Your understanding is correct  |          |
| 280                                  | Section VIII/ Clause 14.c/Vol 1          | As per VAT law, 1991 & VAT SRO Number: 546, Date: 02/06/2010; & VAT SRO Number: 564, Date: 30/06/2010; any equipment supplied in any international turnkey project, material supplied from local manufacturer will be considered as export materials. In that case we understand that, the VAT & TAX rules for schedule 2 will be same as schedule 1 where price of exported goods are mentioned (Related VAT laws are enclosed). Kindly confirm over our understanding. | Please follow the bid documents.  |          |

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|-----|---|--|---|----------|
| 281 | Section VIII/ Clause 14/Vol 1           | So far, we understand that Bidders will pay VAT & AIT for the items mentioned at price <b>Schedule No: 3</b> . Kindly confirm over our understanding.  | Please follow the bid documents.  |          |
| 282 | Section VIII/ Clause 14.b/Vol 1         | So far, we understand that Bidders will pay VAT & AIT for the items imported for civil work specified in price <b>Schedule No: 4</b> . Kindly confirm over our understanding.  | Yes, Your understanding is correct. However, All customs duties, VAT and AIT will be applicable as said by bid documents in accordance with prevailing law of employers country.  |          |
| 283 |   | If any bidder is qualified with more than one transformer manufacturers with different loss, then which loss will be considered in evaluation stage  | If only one manufacturer fulfill all requirement, corresponding losses will be considered.<br><br>If more than one manufacturer fulfill requirement, the highest capitalization value (worst case) will be considered . |          |
| 284 | Clause ITB 11.1 (j)/ VOL 1/ Section II  | As per clause, "The Technical Proposal shall include an ESHS Methodology meeting the requirements.<br>A Bid not comprising an ESHS Methodology shall be rejected"<br><br>We understand that submission of ESHS methodology is a criteria for which bid might be directly rejected, we have found several other requirements where bid might be rejected, in those cases specific format of submission is provided. E.g. Letter of Technical Bid.<br>Considering the crucial importance of submission of ESHS methodology we strongly request to provide a specific format which should be followed and submitted with the Bid. | We don't understand your question   |          |



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| 285 | Package4.1/Vol1/Clause 1.3/Section VI   | <p>As per clause 1.3, Section VI, Vol 1 of 3 (type test requirements) we understand that, Type test requirements for the major plant/equipment are as follows:</p> <ul style="list-style-type: none"> <li>• The type test certificates of the equipment of similar or higher specifications (voltage &amp; capacity), Required by the bid shall be submitted as per relevant IEC standards.</li> <li>• Type test certificates for power transformer shall be issued by a STL member testing organization/laboratory in the manner mentioned in the STL Guides or from the Manufacturer's own testing laboratory.</li> <li>• Tests carried out at the Manufacturer's own testing laboratory must have been witnessed and certified by a transformer-testing expert from a STL member-testing organization.</li> <li>• Type test certificates for GIS Equipment shall be issued by a STL member testing organization /Laboratory in the manner mentioned in the STL Guides.</li> <li>• Type test certificates of surge arresters shall be issued by a STL member testing organization / laboratory in the manner as mentioned in the STL Guides. Type test certificates for other equipment shall be issued by an independent testing laboratory.</li> </ul> <p>We understand that, notwithstanding with any other statements/clauses to meet the type test requirements we need to fulfil the above crite-</p> | Yes                          |          |

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|--------------------------|---|---|------------------------------|----------|
|                          |   | ria irrespective of issuance date of type test report/certificate. Kindly confirm over our understanding.   |                              |          |
| 286                      |   | Schneider Electric (France) is already a reputed CRP & SAS manufacturer in the Grid system of PGCB. Their products are used in major substations of PGCB for a very long time. We request you to consider Schneider Electric (France) as a manufacturer of CRP & SAS in kfw project   | No                           |          |
|                          |   |   |                              |          |
| <b>TECHNICAL QUERIES</b> |   |   |                              |          |
| 287                      | Vol.2/Section-1/1.4.2/Pg.38             | <p>As scope of work and Supply Two (2) Optical SDH / PDH multiplexers, shall be provided, for each involved Substation, including:</p> <ul style="list-style-type: none"> <li>– One optical STM-16 ports for each 230 kV transmission line</li> <li>– One optical STM-4 ports for each 132 kV transmission line</li> </ul> <p>However as per Cl.14.4 Pg.374</p> <p>Additionally, the equipment shall provide the following aggregate interfaces:</p> <ul style="list-style-type: none"> <li>• STM-1 (155 Mbit/s) optical 1+1 interface</li> <li>• STM-1 (155 Mbit/s) optical add-drop interface</li> </ul> <p>As per Schedule of requirements CL/ 14.10 pg. 389 requirement of SDH is of STM-1 Capacity</p> <p>Please confirm what capacity of SDH Equipment is to be offered i.e. STM-1 capacity or STM-4/16 Capacity.</p> | STM-4/16                     |          |
| 288                      | Vol.2/Section-1/ Cl.1.2/Pg.36           | <p>The communication part of the project shall provide the interconnection between all substations involved in the tender:</p> <ul style="list-style-type: none"> <li>• New 132/33 kV AIS Substation Gazaria</li> <li>• Existing 132/33 kV AIS Substation Daudkandi</li> <li>• New 132/33 kV GIS Substation Nabinagar</li> </ul>  | Please see the answer no. 93 |          |

| No. | Volume / Section / Clause / Item / Page | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification                               | Add. Y/N |
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|     |   | <ul style="list-style-type: none"> <li>• Existing 132/33 kV GIS Substation Dhamrai</li> <li>• New 132/33 kV GIS Substation Bagherhat</li> <li>• New 132/33 kV GIS Substation Bhulta and</li> <li>• Existing 132/33 kV Substation Goalpara,</li> <li>• Existing 132/33 kV Substation Mongla,</li> <li>• Existing 132/33 kV Substation Bhandaria,</li> <li>• Existing 132/33 kV Substation Ghorasal and</li> <li>• Existing 132/33 kV Substation Haripur</li> </ul> <p>We request PGCB to provide Communication Network diagram as per project requirement enabling all bidders to quote equipment's as per network diagram with line lengths for all 132kV/230kv Links for proposed optical connectivity under this project.</p> |  |          |
| 289 | General                                 | <p>We understand that adaptation of existing RTU/SAS is also envisaged for existing Substations extension after addition of new bays. We understand that supply of hardware for existing RTU augmentation &amp; database modification at substation end &amp; NLDC end are covered under present scope. Please confirm.</p>   | Yes  |          |
| 290 | General                                 | <p>We request PGCB to provide make &amp; model of existing RTU/SAS at following existing substations:-</p> <ul style="list-style-type: none"> <li>• Existing 132/33 kV AIS Substation Daudkandi</li> <li>• Existing 132/33 kV GIS Substation Dhamrai</li> <li>• Existing 132/33 kV Substation Goalpara,</li> <li>• Existing 132/33 kV Substation Mongla,</li> <li>• Existing 132/33 kV Substation Bhandaria,</li> <li>• Existing 132/33 kV Substation Ghorasal and</li> <li>• Existing 132/33 kV Substation Haripur</li> </ul> <p>Please elaborate scope of work for RTU/SAS for existing substations covered under present scope of work.</p>  | Bidders are kindly invited to visit all required locations |          |

| No. | Volume / Section / Clause / Item / Page | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification                            | Add. Y/N |
|-----|---|---|---|----------|
| 291 | Vol.2/Section-1/1.4.2/Pg.38             | <p>Two (2) digital PLC with Ethernet facilities and two LMU (phase-to-phase coupling) shall be provided, for each of 230 kV OHL at every involved Substation, together with the coaxial cable for connecting PLCs to LMUs.</p> <p>We understand that 2 Nos. Digital PLCC &amp; 2 Nos. LMU 's to be offered for each 230 Kv Links (at all involved substation, this consists of Digital PLCC &amp; LMU for remote end as well). No Digital PLCC &amp; LMU to be offered for 132kV links. As all links involved under this project are of 132kv level hence digital PLCC supply is not to be considered.</p> <p>Please confirm.</p> | <b>PLC is not required</b>                              |          |
| 292 | Vol.2/Section-1/1.4.2/Pg.37             | <p>The length of the communication links is indicated in the provided drawing:</p> <ul style="list-style-type: none"> <li>• Map of Bangladeshi telecommunication system</li> </ul> <p>Map of Bangladeshi telecommunication system are not provided along with Bid document request PGCB to please provide the same.</p>   | <b>Please see the answer no. 93</b>                     |          |
| 293 | Clause No.4.3.1/Vol 2/Pg. 152           | <p><b><u>Handling on Site</u></b></p> <p>For installation purposes and to permit the moving of any three-phase unit, the transformers are to be equipped with castors (rail wheels). <b>A permanent rail transfer track system shall be provided, integrated with the transformer foundations.</b> The castors should be able to swivel in both the longitudinal and transverse directions.</p> <p>'Kindly clarify in details the scope of "permanent rail transfer track system shall be provided, integrated with the transformer founda-</p>   | Appropriate, suitable rail tracks, from the nearby road |          |

| No. | Volume / Section / Clause / Item / Page                               | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification                                     | Add. Y/N |
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|     |   | tions."   |  |          |
| 294 | Clause No.4.3.6/Vol 2/Pg. 154   | <p>'Guaranteed values for component losses of the total loss of the transformers shall be as low as is consistent with transport restrictions, reliability and economic use of materials, shall be as stated in the Schedule B of Particulars and Guarantees.</p> <p>'Transport restrictions are not specified anywhere in the specification. In case of any restrictions are applicable please specify.</p>  | <p>NA</p> <p>Transport is in the Contractor's responsibility</p> |          |
| 295 | Clause No.4.3.7/ Vol. 2/ Pg. 155                                      | <p>'The value of impedance measured on normal and extreme tapings shall be as stated in the Schedule and minimum and maximum values where stated in the Schedule A of Requirements shall not be subject to tolerance.</p> <p>'Schedule A is not available in the given specification. Kindly provide the same.</p>  | Please, follow the Technical specification                       |          |
| 296 | Clause No.4.4.3/ Vol 2 /Pg. 156 & Clause No. 5.2.4.1. D1 , Sr.NO. 3.6 | <p><b><u>Windings</u></b></p> <p>'Windings Transformer 230kV and 132kV star connected windings shall have graded insulation as defined in IEC 60076. For 33kV and below they shall have uniform insulation as defined in IEC 60076. <b>All neutral points shall be insulated to withstand the applied test voltage specified in the Schedule of Requirements.</b></p> <p>'Neutral point insulation level shall be considered as 95 kVpeak/38 kVrms.Kindly accept.</p> | <p>No</p> <p>According to Technical specification</p>            |          |

| No. | Volume / Section / Clause / Item / Page                     | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification   | Add. Y/N |
|-----|---|---|--|----------|
| 297 | Clause No.4.4.4/Vol 2/Pg. No. 157                           | <p><b>'Earthing of coil clamping ring</b></p> <p>Where coil clamping rings are of metal at earth potential, each ring shall be connected to the adjacent core clamping structure on the same side of the Transformer as the main earth connection.</p> <p>'Coil clamping ring shall be of perma-wood/pressboard material, hence its earthing is not applicable. Kindly confirm.</p>   | Yes  |          |
| 298 | Vol 2/Power Transformers/.4.5.1/Transformer Tanks /Pg.158   | Accommodation shall be provided for outdoor weatherproof neutral current transformers as mentioned in the Schedule A of Requirements. However, Schedule A is not available in the given specification. Kindly provide the same.   | We don't understand your question  |          |
| 299 | Vol 2/Power Transformers/.4.8.1/Supervisory Control /Pg.167 | <p>'Transformer tap change control will be effected from the substation control room with facilities for remote control from the Load Despatch Centre. All necessary connections, indications, auxiliary switches, relays and changeover switches to meet supervisory control requirements shall be provided and connected under this contract to terminal blocks in the remote-control panels. The supply and installation of the multicore control cables between the remote control panels and the plant/telecontrol interface cubicle shall be provided under the contract.</p> <p>'OTI &amp; WTI shall be compatible to interface with customer panel. However required accessories &amp; cables required for interfacing shall not be in bidder's scope of supply. Kindly accept.</p> | <p>We don't understand your question</p> <p><i>All details, accessories etc. required for the complete installation and satisfactory operation of the works not specifically mentioned in this specification are deemed included in the contract price.</i></p> <p><i>The Contractor is responsible for ensuring that all and/or any item(s) of work required for the safe, efficient and satisfactory completion and functioning of the works, are included in the Bid Price whether they be described in the specification or not.</i></p> |          |

| No. | Volume / Section / Clause / Item / Page                       | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification   | Add. Y/N |
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| 300 | Vol 2/Power Transformers/.4.9.4/ Mounting of Bushings /Pg.169 | <p>'Bushing insulators shall be mounted on the tank in a manner such that the external connections can be taken away clear of all obstacles. Neutral bushings shall be mounted in a position from which a connection can be taken to a neutral current transformer mounted on a bracket secured to the transformer tank. The current transformer will be supplied by the switchgear Manufacturer, but provision shall be made on the tank for mounting to the Engineer's requirements.</p> <p>'Kindly specify complete details of current transformer i.e. ratio,class, knee point voltage(vk), magnetizing current (Imag) , secondary resistance (Rct) etc. to check the feasibility to provide in bushing turrett of transformer.</p> | <p>No</p> <p>This values shall be part of Detail design and subject of PGCB approval</p> |          |
| 301 | Clause No. 5.2.4.1.D1 , Sr.NO. 3.8.3 / Pg. 186                | <p>'Hottest spot : &lt;= 65°C</p> <p>'We request to consider Hot spot temperature 68°C at 30°C of yearly average ambient temperature , considering hot spot temperature of 98°C a sper IEC : 60076-Part-2.</p>  | No   |          |
| 302 | Clause No. 5.2.4.1.D1 , Sr.NO. 6.2 / Pg. 187                  | <p>'Radio Interference Voltage at 0.5 MHz as specified in IEC 60694 : 2500 µV max</p> <p>'Instead of radio interference voltage level which is obsolete test , partial discharge test will be done as per IEC : 60076 part -3</p>   | Yes  |          |
| 303 | Clause No. 5.2.4.1.D1 , Sr.NO. 10.1, 10.2, 10.3/ Pg. 188      | 'Kindly specify complete details of current transformer i.e. ratio,class, knee point voltage(vk), magnetizing current (Imag) , secondary resistance (Rct) etc.  | This values shall be part of Detail design and subject of PGCB approval                  |          |

| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification  | Add. Y/N |
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| 304 | Clause No. 5.2.4.1.D1 , Sr.NO. 12.1, 12.2, 12.3/ Pg. 189  | 'We presume that this clause is specified for cooling fans and the requirement is :<br>Total No of fans : 4<br>Total running fans : 3<br>Total standby fans : 1<br>Kindly clarify .  | Like in Technical schedule:<br><br>75 % of the cooling system shall be enough for rated power<br><br>25% of the cooling system is reserve |          |
| 305 | Clause No. 5.2.4.1.D1 , Sr.NO. 14.5 / Pg. 189   | 'Vacuum withstand of the complete tank with cooler : 1 mbar<br><br>'Vacuum withstand capacity shall be 760 mm of Hg for main tank body excluding tap-changing compartments, radiators and coolers. Please confirm.   | No<br><br>According to the Tender requirements  |          |
| 306 | Clause No. 5.2.3.1.D1 , Sr.NO. 3.6.2/Pg. 192  | 'Insulation level :<br>Medium voltage (MV) : LI 270 AC 70<br><br>'Our solution is with insulation level of LI- 170 kVpeak / AC-70 kVrms for Medium voltage winding as per IEC : 60076-Part-3. Kindly accept.   | <b>Typing Mistake</b><br><br>170 kV   |          |
| 307 | Tender Documents for 230/132 kV & 132/33 kV Substations, Package 1.1; Volume 1, Section III<br><br>2.7 Manufacturers/ Subcontractors Power Transformer<br>Section III: Evaluation and Qualification Criteria<br><br>Page III-11<br><br>Section VI: Employer's Requirements<br>Page VI-1<br>1.3 Type Test Requirements | Type test certificates for power transformer shall be issued by a STL1member testing organisation/laboratory in the manner mentioned in the STL Guides or from the Manufacturer's own testing laboratory<br><br><b>Power Transformer</b><br>a. Temperature rise test.<br>b. Dielectric tests (Induced over voltage test, Lightning impulse voltage withstand test, Separate source voltage withstand test).<br>c. Short circuit withstand test (special test) /calculation | No  |          |



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|     |   | STL member testing organisation/ laboratory does not carry temperature rise test/ Dielectric test at their works.<br>Requesting M/s PGCB to consider type test report of similar of higher rating transformer witness by third party/ independent agency for these tests. |   |          |
| 308 | Clause 1.2.2 / Volume – 2 / Pg. 22                        | Please confirm if Busbar is required for present bays under Daudkandi Extension. If yes, please specify the make/model of the existing Busbar to be integrated.<br><br>Please specify the make/model of the existing SAS in the daudkandi substation.                     | Yes<br><br>Bidders are kindly invited to visit all required locations |          |
| 309 | Clause 1.2.4 / Volume – 2 / Pg. 24                        | Please confirm if Busbar is required for present bays under Dhamrai Extension. If yes, please specify the make/model of the existing Busbar to be integrated.<br><br>Please specify the make/model of the existing SAS in the Dhamrai Substation.                         | Yes<br><br>Bidders are kindly invited to visit all required locations |          |
| 310 | Clause 5.11 / Volume 2/Pg. 194                            | Please confirm if LBB offered as an inbuilt function to Busbar (both for Centralised/Decentralised) in new station shall be acceptable.   | Yes, but other Bidders can propose different technical solutions      |          |
| 311 | Clause 5.12 / Volume 2 / Pg. 195                          | Please confirm if Auto reclosing, offered as an inbuilt function of Bay control unit and mitigating the specification shall be acceptable.  | Yes, but other Bidders can propose different technical solutions      |          |
| 312 | BGD_2740_lot_4.1_volume_1_2019_01_11<br>Page No 119 - 138 | • New 132/33 KV AIS Substation at Gazaria (Dhaka Division); Page No 125/340, Clause No 3.3.7 -- The surrounding substation area is a medium-high land area and thus is not a  | Yes   |          |

| No. | Volume / Section / Clause / Item / Page | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification | Add.<br>Y/N |
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|     |   | <p>flood-prone area.</p> <ul style="list-style-type: none"> <li>• New 132/33 KV GIS Substation at Nabinagar (Chittagong Division); Page No 134/340, Clause No 3.6.7 -- The proposed project site is low land area and remains waterlogged during rainy season (about four months). The surrounding substation area is a High-medium to Low land area and thus is not a flood-prone area.</li> <li>• Extension of existing 132/33 KV GIS Substation at Dhamrai (Dhaka Division); Page No 137/340, Clause No 3.7.7 -- The existing substation area is not subject to the flood prone area but the surrounding flood prone area within the study area becomes flooded during monsoon.</li> <li>• Renovation/New 132/33 KV GIS Substation at Bagherhat (Khulna Division); Page No 122/340, Clause No 3.2.7 -- The substation area is partially flooded during monsoon. The day long rainfall causes 2.5ft (75 cm) flooding in the substation area.</li> <li>• Renovation/New 132/33KV GIS Substation at Bhulta (Dhaka Division); Page No 131/340, Clause No 3.5.7 -- The surrounding substation area is a medium-high land area and thus is not a flood-prone area.</li> </ul> <p>Vol_1, Page no 121-139, Clause no 3.4 calls for Environmental and Social features of the subproject. In addition, details HFL of the respective sites has also been provided.</p> <p>Further, at</p> |                              |             |

| No.   | Volume / Section / Clause / Item / Page  | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification | Add. Y/N |
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|   |  | <p>BGD_2740_lot_4.1_volume_2_2018_12_21, Page No : 18/460, Clause no 1.2 is mentioning that "Finishing Ground Level (FGL) shall be at least 500 mm above the Highest Flooding Level (HFL)".</p> <p>Present responsibility of area for Land Development to be carried by Bidder, has been mentioned at BGD_2740_lot_4.1_volume_3_2018_12_21, for respective sites.</p> <p>Since the Unit of Land development work is in LOT, we assume for total depth calculation, , all Bidder has to consider highest HFL data from Vol_1 and additional 500 mm depth from Volume_2.</p> <p>Please confirm.</p> |                              |          |
| 313   | BGD_2740_lot_4.1_volume_1_2019_01_11<br>Page No 119 – 138  | <p>Alternatively, we request PGCB, for huge quantum of Land development work, kindly amend the BPS and to provide tentative quantity of the Land Development work in "Cum" respective site wise, so that bidders shall be able quote with same understanding.</p> <p>Please confirm.</p>  | No                           |          |
| <b>New 132/33 kV AIS Substation Gazaria</b> |  |   |                              |          |
| 314   | <p>BGD_2740_lot_4.1_volume_2_2018_12_21<br/>Page No 21; Clause No 1.2.1</p> <p>Vol_2, Drg. No. - GAZ/2</p> | <p>land development of complete switchyard area by cutting, land filling, compacting up to a suitable level including slope protection. The approximate total area of the substation is 14 acres.</p>   | Please see the answer no. 36 |          |

| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification   | Add. Y/N |
|-----|---|--|--|----------|
|     |   | Since the Boundary wall to be considered for entire 14 acres Land and Unit at BPS mentioned as Lot, request you to provide Plot Plan with all dimensions of all sides.   |  |          |
| 315 | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 24; Clause No L1.X<br><br>Vol_2, Drg. No. - GAZ/2   | land development of complete switchyard area by cutting, land filling, compacting up to a suitable level including slope protection. The approximate total area of the substation is 1 acres.<br><br>There is a discrepancy of Land development scope i.e 1 acres as per Vol_3. However, at The Tender attached drawing at Vol_2, GAZ/2, two portions have been mentioned with <b>partial dimensions</b> .<br>Therefore, request you to confirm the exact scope to be consider for Land Development and to provide dimensions of both rectangular SS portion and trapezoidal portion where Guard House has been shown. | Land development shall be considered for approx.14 Acres<br><br>Please see the answer no. 36 |          |
| 316 | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 24; Clause No L2.X  | One (1) lot of complete design, supply and construction of outdoor civil works including 132 kV and 33 kV gantry foundation, 132 kV and 33 kV equipment foundation, <b>power transformers</b> ....<br><br>We understand that Rail cum Road will be provided only between transformer plinth and up to nearest internal road. Please confirm.   | Yes  |          |
| 317 | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 24; Clause No L2.X<br><br>BGD_2740_lot_4.1_volume_2_2018_12_21<br>Page No 277/460; Clause No 10.1.3.5 | Clause No 10.1.3.5 -- Access road from outside of the site boundary that connects adjacent public road and all roads within the site boundary shall be provided by the Bidder.   | Bidders are kindly invited to visit all required locations                                   |          |

| No. | Volume / Section / Clause / Item / Page                             | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification      | Add. Y/N |
|-----|---|---|-----------------------------------|----------|
|     |   | Request you to provide Dimension or length to be consider, so that all bidder can quote with common understanding:<br>1. Fencing Length<br>2. Access Road for individual sites  |                                   |          |
| 318 | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 24; Clause No L2.X  | We presume that all internal road i.e. for present & future area, as per marked at the respective tender attached Layout, for different sites, covered under present scope. Please confirm.   | Yes                               |          |
| 319 | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 24; Clause No L2.X  | We assume that Bidder's responsibility of construction drainage system is limited for the area of present scope only. Drainage system for the vacant area has been excluded. Please confirm.  | Yes                               |          |
| 320 | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 24; Clause No L2.X  | ... PVC pipes etc., switchyard surface finishing and gravel surfacing.....<br><br>Please confirm that switchyard surface finishing and gravel surfacing work is limited beyond 1.00 m of the last Gantry or Equipment only applicable for the present scope.  | Yes                               |          |
| 321 | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 24; Clause No L3.1X | One (1) lot of complete design, supply and construction of civil works and facilities for one new two-storey control building with cable basement, including.....<br><br>Referring Item description and Tender attached drawing (BLDG 16.1, 16.2, 16.3, 16.4, 16.5), we understand that Control room building will be double storied including a provision of stilt floor/basement. Please confirm. | We don't understand your question |          |

| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification                               | Add. Y/N |
|-----|---|---|--|----------|
| 322 | Vol_2, Drg. No. - GAZ/2 Page No 425/460   | We understand that any Civil work, Supply, Erection of Structural work and Electrical work related to future area Gantry, Equipment and Cable Trench has been excluded from Bidder's scope. Please confirm.   | Yes  |          |
| 323 | Vol_2, Drg. No. - GAZ/2 Page No 425/460<br><br>Note no. 9<br>Vol_2, Drg. No. - Wall/17.2, Drawing Title: Property Line, Page No 456/460 | 9. CO-ORDINATES, WHICH ARE PRESENTED AT THE DRAWING AS CORNERS OF THE BOUNDARY LINE, ARE APPROXIMATE, FOR TENDER PURPOSE ONLY. FINAL CO-ORDINATES WILL BE DEFINED LATER. PROPERTY LINE IS APPROXIMATE ALSO.<br><br>Drawing Title: Property Line calls to construct a wall around and beyond the Boundary wall including slope protection, which is missing at BPS.<br><br>If construction of property line wall is in scope of Bidder, request you to amend the BPS accordingly and provide the Plot plan with dimensions . | We don't understand your question                          |          |
|     | <b><i>Extension of the Existing 132/33 kV AIS Substation Daudkandi</i></b>  |   |  |          |
| 324 | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 14/286; Clause No 1.2.2<br><br>Vol_2, Drg. No. - DAU/2                                  | land development of the complete required switchyard area by cutting, land filling, compacting up to a suitable level.<br><br>Since Daudkandi is an existing substation, we presume that Land development work has been already completed and the same has been excluded from Bidder's present scope.   | Bidders are kindly invited to visit all required locations |          |

| No. | Volume / Section / Clause / Item / Page  | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification                               | Add. Y/N |
|-----|--|---|--|----------|
|     |  | Please confirm.   |  |          |
| 325 | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 17/286; Clause No L2.XE<br><br>Vol_2, Drg. No. - DAU/2 | ...internal roads, surface and switchyard drainage system including outfall, cable trench including soak pit, PVC pipes etc., switchyard surface finishing and gravel surfacing....<br><br>Since Daudkandi is an existing substation, we presume that internal & switchyard drainage system works have been already completed and are excluded from Bidder's present scope. Please confirm.   | Bidders are kindly invited to visit all required locations |          |
| 326 | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 17/286; Clause No L2.XE<br><br>Vol_2, Drg. No. - DAU/2 | One (1) lot of complete design, supply and construction of civil works and facilities for adaptation of the existing control building, including finishing works such as rendering, painting, floor finishing, etc.<br><br>Daudkandi site is existing site, therefore, we understand that ample space is available for 132 AIS equipment and Control Panel. Further, bidder's scope is limited up to the minor civil work required for present supplied equipment only. Please confirm. | Yes  |          |
| 327 | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 17/286; Clause No L2.XE<br><br>Vol_2, Drg. No. - DAU/2 | One (1) lot of complete design, supply and construction of civil works and facilities for adaptation of the existing control building, including finishing works such as rendering, painting, floor finishing, etc<br>Kindly confirm the area to be considered for Painting, rendering and floor finishing of existing control building.  | We don't understand your question                          |          |
| 328 | BGD_2740_lot_4.1_volume_2_2018_12_21   | For present scope, i.e. 2 bays extension of   | Yes, your understanding is correct                         |          |

| No.   | Volume / Section / Clause / Item / Page  | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification   | Add. Y/N |
|---|--|---|--|----------|
|   | Page No 427/460<br>DRG. TITLE: EXTENSION OF EXISTING 132/33 kV AIS SUBSTATION DAUDKANDI – LAYOUT                                   | Daudkandi, a cloud marking has been mentioned and a Double circuit Transmission tower has been shown.<br><br>We understand that any work i.e. design & construction of Civil foundation, supply, fabrication & erection of structural steel and electrical work related to 132 kV Terminal tower has been excluded from Bidder's present scope. Please confirm. |  |          |
| <b>New 132/33 kV GIS Substation Nabinagar</b> |  |   |  |          |
| 329   | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 19/286; Clause No 1.2.3<br><br>Vol_2, Drg. No. - NAB/2                             | The approximate total area of the substation is 1 acres.<br><br>We presume that the total length of boundary wall is 50 m x 70 m, which has been mentioned at Tender attached Layout NAB/2. Please confirm.   | Complete area shall be considered<br>Minimum 1 acres shall be considered<br><br>Bidders are kindly invited to visit all required locations |          |
| 330   | BGD_2740_lot_4.1_volume_2_2018_12_21<br>Page No 430/460<br>Vol_2, Drg. No. - NAB/2<br>NEW 132/33kV GIS SUBSTATION NABINAGAR LAYOUT | We understand that the dimension marked of 132 kV GIS building of Nabinagar SS, is minimum requirement. Please confirm.   | Yes<br><br>Minimum GIS building dimensions are 36 x 12 m<br><br>Drawings are PRELIMINARY and FOR TENDER PURPOSE ONLY                       |          |
| 331   | BGD_2740_lot_4.1_volume_2_2018_12_21<br>Page No 430/460<br>Vol_2, Drg. No. - NAB/2<br>NEW 132/33kV GIS SUBSTATION NABINAGAR LAYOUT | Length of the 33 kV Switchgear building has been mentioned as 24 mtrs. However, the width is missing. Kindly provide the same.  | Yes<br><br>Minimum GIS building dimensions are 36 x 12 m<br><br>Drawings are PRELIMINARY and FOR TENDER PURPOSE ONLY                       |          |



| No.   | Volume / Section / Clause / Item / Page  | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification   | Add. Y/N |
|---|--|--|--|----------|
| 332   | BGD_2740_lot_4.1_volume_2_2018_12_21<br>Page No 430/460<br>Vol_2, Drg. No. - NAB/2<br><br>NEW 132/33kV GIS SUBSTATION NABINAGAR LAYOUT | We assume, length of the 33 kV Switchgear building i.e. 24 mtrs is minimum requirement. Kindly confirm.  | Yes  |          |
| 333   | BGD_2740_lot_4.1_volume_2_2018_12_21<br>Page No 430/460<br>Vol_2, Drg. No. - NAB/2<br>NEW 132/33kV GIS SUBSTATION NABINAGAR LAYOUT     | We presume that 33 kV GIS building is Single storied without any basement, with cable trench arrangement. Please confirm.  | No, your understanding is not correct  |          |
| 334   | BGD_2740_lot_4.1_volume_2_2018_12_21<br>Page No 430/460<br>Vol_2, Drg. No. - NAB/2   | Request PGCB to provide preliminary sectional or elevation view of 33 kV switchgear building.  | Drawings are provided  |          |
| <b>NEW 132/33kV GIS SUBSTATION NABINAGAR LAYOUT</b> |  |  |  |          |
| 335   | BGD_2740_lot_4.1_volume_2_2018_12_21<br>Page No 430/460<br>Vol_2, Drg. No. - NAB/2<br>NEW 132/33kV GIS SUBSTATION NABINAGAR LAYOUT     | We understand that any work i.e. design & construction of Civil foundation, supply, fabrication & erection of structural steel and electrical work related to 132 kV Gantry tower as mentioned at NAB/2 has been excluded from Bidder's present scope. Please confirm. | No, your understanding is not correct<br><br>Gantries 132 kV ARE in the scope of works and services<br><br>Transmission Line and Towers ARE NOT.   |          |
| 336   | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 19/286; Clause No 1.2.3<br><br>Vol_2, Drg. No. - NAB/2                                 | complete outdoor civil works, including 132 kV and 33 kV gantry foundation.<br><br>No provision of 33 kV Gantry has been marked at tender Layout However, Clause number C9.X & L2.X mentioning the same. Please clarify the anomaly.                                   | Yes, complete gantries 33 kV shall be provided, as well as busbars, bus sectionalizer, transformer, auxiliary transformer and metering bays<br><br>Outgoing bays ARE NOT in the scope of works |          |

| No.  | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification                                     | Add. Y/N |
|--|---|--|--|----------|
| 337  | BGD_2740_lot_2.1_volume_3_2018_12_21<br>Page No 32/330; Clause No L3.1X<br><br>Vol_2, Drg. No. - PUB/2  | We could not find any specific line item for construction of 33 kV Switchgear building at the BPS. If design & construction of 33 kV switchgear is in bidder's scope, then request you to revisit the BPS once again and amend the same.   | We don't understand your question. BoQ and Drawings are provided |          |
| <b><i>Extension of the Existing 132/33 kV GIS Substation Dhamrai</i></b> |   |  |  |          |
| 338  | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 26/286; Clause No 1.2.4<br><br>Vol_2, Drg. No. - DHA/2.1  | land development of the complete required switchyard area by cutting, land filling, compacting up to a suitable level.<br><br>Since Dhamrai is an existing substation, we presume that Land development work has been already completed and the same has been excluded from Bidder's present scope. Please confirm.  | Bidders are kindly invited to visit all required locations       |          |
| 339  | BGD_2740_lot_4.1_volume_2_2018_12_21<br>Page No 29/486, Clause No L2.XE<br>Vol_2, Drg. No. - DHA/2.1<br>EXTENSION OF EXISTING 132/33 kV GIS SUBSTATION DHAMRAI LAYOUT | ...internal roads, surface and switchyard drainage system including outfall, cable trench including soak pit, PVC pipes etc., switchyard surface finishing and gravel surfacing....<br><br>Since Dhamrai is an existing substation, we presume that internal & switchyard drainage system works have been already completed and is excluded from Bidder's present scope. Please confirm.                           | Bidders are kindly invited to visit all required locations       |          |
| 340  | BGD_2740_lot_4.1_volume_2_2018_12_21<br>Page No 29/486, Clause No L2.XE<br>Vol_2, Drg. No. - DHA/2.1<br>EXTENSION OF EXISTING 132/33 kV GIS SUBSTATION DHAMRAI LAYOUT | One (1) lot of complete design, supply and construction of civil works and facilities for adaptation of the existing control building, including finishing works such as rendering, painting, floor finishing, etc.<br><br>Dhamrai site is existing site, therefore, we understand that ample space is available for 132 GIS equipment and Control Panel. Further, bidder's scope is limited up to the minor civil | Yes  |          |

| No.  | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification  | Add. Y/N |
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|  |   | work required for present supplied equipment only. Please confirm.   |   |          |
| 341  | BGD_2740_lot_2.1_volume_2_2018_12_21<br>Page No 432/460<br>Vol_2, Drg. No. - DHA/2.1<br>EXTENSION OF EXISTING 132/33 kV GIS SUBSTATION DHAMRAI LAYOUT | One (1) lot of complete design, supply and construction of civil works and facilities for adaptation of the existing control building, including finishing works such as rendering, painting, floor finishing, etc<br><br>Kindly confirm the area to be considered for Painting, rendering and floor finishing of existing control building. | We don't understand your question   |          |
| 342  | BGD_2740_lot_2.1_volume_2_2018_12_21<br>Page No 432/460<br>Vol_2, Drg. No. - DHA/2.1<br>EXTENSION OF EXISTING 132/33 kV GIS SUBSTATION DHAMRAI LAYOUT | We presume that any work related to 33 kV Control Room (Future) has been excluded from Bidder's present scope. Please confirm.   | Yes, your understanding is correct  |          |
| <b>Renovation / New 132/33 kV GIS Substation Bagherhat</b> |   |  |   |          |
| 343  | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 31/286; Clause No 1.2.5   | The existing switchgear has to be completely dismantled and stored at the storage place, the area has to be cultivated and not used equipment and material has to be removed.<br><br>Since, existing 33kV Switchgear has to be dismantled totally, we request you to provide the detail drawings of existing system.                         | Bidders are kindly invited to visit all required locations  |          |
| 344  | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 31/286; Clause No 1.2.5   | The existing switchgear has to be completely dismantled and stored at the storage place, the area has to be cultivated and not used equipment and material has to be removed.<br><br>We presume that only existing equipments will be dismantled, all existing over & underground  | No, your understanding is not correct<br><br>Switchgear is not only equipment – it is also structure, cables, foundations, other civil parts... |          |

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|     |  | Civil foundations, buildings will remain intact. Please confirm.  |   |          |
| 345 | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 31/286; Clause No 1.2.5  | <b>The existing switchgear has to be completely dismantled and stored at the storage place, the area has to be cultivated and not used equipment and material has to be removed.</b><br><br>We request PGCB to clarify and provide detail specification & activities of Cultivation work to be carried over by Bidder so that all bidder may quote with same understanding. Please confirm. | We don't understand your question                                     |          |
| 346 | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 31/286; Clause No 1.2.5  | <b>De-installation and transport of existing power transformers at the location chosen by PGCB no longer than 100 km</b><br><br>Please confirm the name of the location of PGCB where existing Power transformer to be shifted.   | PGCB will make decision in later stage                                |          |
| 347 | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 31/286; Clause No 1.2.5  | <b>one (1) existing power transformer 132/33 kV, 50/75 MVA shall be also connected to the new 132 kV GIS Switchgear.</b><br><br>Request you to provide existing Plot Plan showing the location existing Power Transformer w.r.t the new Layout i.e. BAG/4.5.2 .   | Bidders are kindly invited to visit all required locations            |          |
| 348 | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 31/286; Clause No 1.2.5<br><br>Page No 34/286; Clause No D2<br><br>BGD_2740_lot_4.1_volume_2_2018_12_21<br>Page No 435/460; DRG. No. BAG/4.5.2 | Two (2) three phase power transformers 132/33 kV, 80/120 MVA.<br><br><b>Power transformer 132/33 kV three phase 80/120 MVA, Dyn1, ONAN/ONAF Set 2</b><br><br>Clause No 1.2.5 & D2, both are mentioning  | Yes<br><br>Bidders are kindly invited to visit all required locations |          |

| No. | Volume / Section / Clause / Item / Page  | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification   | Add. Y/N |
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|     |  | <p>Bidder's scope is limited up to SITC of 2 set Transformer.</p> <p>However, at the Drg. No. BAG/4.5.2 is showing 3 nos transformer. Hence, we understand Foundation work will be done for Two transformer of present scope and the future is excluded. Please confirm.</p>   |  |          |
| 349 | <p>BGD_2740_lot_4.1_volume_3_2018_12_21<br/>Page No 36/286; Clause No L2.X</p> <p>BGD_2740_lot_4.1_volume_2_2018_12_21<br/>Page No 435/460; DRG. No. BAG/4.5.2</p> | <p>Area for present scope has been mentioned as 7 acres. However, dimensions of the security boundary wall is missing at BAG/4.5.2. Hence request you to mark the same.</p>  | Bidders are kindly invited to visit all required locations   |          |
| 350 | <p>BGD_2740_lot_4.1_volume_3_2018_12_21<br/>Page No 36/286; Clause No L2.X</p> <p>BGD_2740_lot_4.1_volume_2_2018_12_21<br/>Page No 277/460; Clause No 10.1.3.5</p> | <p>.... and <b>internal fencing, access road</b>,.....</p> <p>Clause No 10.1.3.5 -- Access road from outside of the site boundary that connects adjacent public road and all roads within the site boundary shall be provided by the Bidder.</p> <p>Request you to provide Dimension or length to be consider, so that all bidder can quote with common understanding:</p> <ol style="list-style-type: none"> <li>1. Fencing Length</li> <li>2. Access Road</li> </ol> | Bidders are kindly invited to visit all required locations   |          |
| 351 | <p>BGD_2740_lot_4.1_volume_3_2018_12_21<br/>Page No 36/286; Clause No L2.X</p> <p>BGD_2740_lot_4.1_volume_2_2018_12_21<br/>Page No 435/460; DRG. No. BAG/4.5.2</p> | <p>....., internal roads and parking,.....</p> <p>We presume that all internal road i.e. for present &amp; future area, as per marked at the respective tender attached Layout, for different sites, covered under present scope. Please confirm.</p>  | <p>Yes, your understanding is correct.</p> <p>Internal roads shall be provided for complete substations, including future bays</p> |          |

| No.   | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification  | Add. Y/N |
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| 352   | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 36/286; Clause No L2.X<br><br>BGD_2740_lot_4.1_volume_2_2018_12_21<br>Page No 435/460; DRG. No. BAG/4.5.2 | and switchyard drainage system including out-fall,.....<br><br>We assume that Bidder's responsibility of construction drainage system is limited for the area of present scope only. Drainage system for the vacant area has been excluded. Please confirm.   | Yes, your understanding is correct  |          |
| 353   | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 36/286; Clause No L2.X<br><br>BGD_2740_lot_4.1_volume_2_2018_12_21<br>Page No 435/460; DRG. No. BAG/4.5.2 | ... PVC pipes etc., switchyard surface finishing and gravel surfacing.....<br><br>Please confirm that switchyard surface finishing and gravel surfacing work is limited beyond 1.00 m of the last Gantry or Equipment only applicable for the present scope.  | Yes, your understanding is correct  |          |
| 354   | BGD_2740_lot_4.1_volume_2_2018_12_21<br>Page No 435/460; DRG. No. BAG/4.5.2   | Kindly confirm the minimum dimension of 132 kV GIS building which is missing from the Tender Layout i.e. BAG/4.5.2  | Minimum GIS building dimensions are 36 x 12 m<br><br>Drawings are PRELIMINARY and FOR TENDER PURPOSE ONLY |          |
| 355   | BGD_2740_lot_4.1_volume_2_2018_12_21<br>Page No 435/460; DRG. No. BAG/4.5.2   | Kindly confirm the minimum dimension of 33 kV GIS building which is missing from the Tender Layout i.e. BAG/4.5.2   | Minimum GIS building dimensions are 36 x 12 m<br><br>Drawings are PRELIMINARY and FOR TENDER PURPOSE ONLY |          |
| <b>Renovation / New 132/33 kV GIS Substation Bhulta</b> |   |   |   |          |
| 356   | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 38/286; Clause No 1.2.6<br><br>BGD_2740_lot_4.1_volume_2_2018_12_21<br>Page No 437/460; DRG. No. BHU/2    | <b>Existing gantries shall be replaced with the new double system gantries for connection of all four (4) transmission lines 132 kV</b><br><br>Clause no 1.2.6 calls for using new double system gantries. However, Tender Layout Drg. No. BHU/2 is showing separate 4 nos single system Gantry.<br>Request you clarify the anomaly and confirm | New double system gantries for connection of all four (4) transmission lines 132 kV                       |          |

| No. | Volume / Section / Clause / Item / Page  | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification   | Add. Y/N |
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|     |  | the exact requirement.  |  |          |
| 357 | <p>BGD_2740_lot_4.1_volume_3_2018_12_21<br/>Page No 38/286; Clause No 1.2.6</p> <p>BGD_2740_lot_4.1_volume_3_2018_12_21<br/>Page No 42/286; Clause No L2.X</p> <p>BGD_2740_lot_4.1_volume_2_2018_12_21<br/>Page No 437/460; DRG. No. BHU/2</p> | <p>Clause No 1.2.6 -- two (2) <b>existing power transformer</b> 132/33 kV, 80/120 MVA shall be connected to the new 132 kV GIS Switchgear</p> <p>Clause No L2.X -- 132 kV and 33 kV equipment foundation, power transformers and auxiliary power transformers foundation,</p> <p>Tender Layout drawing BHU/2 is showing TR1 &amp; TR2. Clause no 1.2.6 calls to use existing power Transformer.</p> <p>Hence, we understand Civil work of Power transformer has been excluded Bidder's present scope. Therefore, request you to clarify the anomaly and amend the BPS if necessary.</p> | <p>Yes, your understanding is generally correct. Existing transformers will be used.</p> <p>But, some (minor) civil works and services will be required.</p> <p>Bidders are kindly invited to visit all required locations</p> |          |
| 358 | <p>BGD_2740_lot_4.1_volume_3_2018_12_21<br/>Page No 38/286; Clause No 1.2.6</p> <p>BGD_2740_lot_4.1_volume_2_2018_12_21<br/>Page No 437/460; DRG. No. BHU/2</p>  | <p><b>The existing switchgear has to be completely dismantled and stored at the storage place, the area has to be cultivated and not used equipment and material has to be removed.</b></p> <p>Clause no 1.2.6 calls that existing 33kV Switchgear has to be dismantled totally. However, Tender provided Layout BHU/2, has mentioned as 'Old Control Building 33KV'. Which seem to be retained for further use.</p> <p>Hence request you clarify anomaly and provide the exact requirement.</p>  | <p>Bidders are kindly invited to visit all required locations</p>  |          |

| No. | Volume / Section / Clause / Item / Page  | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification  | Add. Y/N |
|-----|--|---|---|----------|
| 359 | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 38/286; Clause No 1.2.6<br><br>BGD_2740_lot_4.1_volume_2_2018_12_21<br>Page No 437/460; DRG. No. BHU/2 | <b>The existing switchgear has to be completely dismantled and stored at the storage place, the area has to be cultivated and not used equipment and material has to be removed.</b><br><br>Since, existing 33kV Switchgear has to be dismantled totally, we request you to provide the detail drawings of existing system.   | Your understanding is not correct.<br><br>Existing 33 kV Switchgear will not be touched   |          |
| 360 | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 38/286; Clause No 1.2.6<br><br>BGD_2740_lot_4.1_volume_2_2018_12_21<br>Page No 437/460; DRG. No. BHU/2 | <b>The existing switchgear has to be completely dismantled and stored at the storage place, the area has to be cultivated and not used equipment and material has to be removed.</b><br><br>We presume that only existing equipments will be dismantled, all existing over & underground Civil foundations, buildings will remain intact. Please confirm.                                   | No, your understanding is not correct<br><br>Switchgear is not only equipment – it is also structure, cables, foundations, other civil parts... |          |
| 361 | BGD_2740_lot_4.1_volume_3_2018_12_21<br>Page No 38/286; Clause No 1.2.6<br><br>BGD_2740_lot_4.1_volume_2_2018_12_21<br>Page No 437/460; DRG. No. BHU/2 | <b>The existing switchgear has to be completely dismantled and stored at the storage place, the area has to be cultivated and not used equipment and material has to be removed.</b><br><br>We request PGCB to clarify and provide detail specification & activities of Cultivation work to be carried over by Bidder so that all bidder may quote with same understanding. Please confirm. | We don't understand your question   |          |
| 362 | BGD_2740_lot_4.1_volume_3_2018_12_21 Page No 38/286; Clause No 1.2.6<br><br>BGD_2740_lot_4.1_volume_2_2018_12_21 Page No 437/460; DRG. No. BHU/2       | <b>two (2) existing power transformer 132/33 kV, 80/120 MVA shall be connected to the new 132 kV GIS Switchgear</b><br><br>Request you to provide existing Plot Plan show-  | Bidders are kindly invited to visit all required locations  |          |



| No. | Volume / Section / Clause / Item / Page  | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification                               | Add. Y/N |
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|     |  | ing the location existing Power Transformer w.r.t the new Layout i.e. BHU/2 .  |  |          |
| 363 | <p>BGD_2740_lot_4.1_volume_3_2018_12_21 Page No 42/286; Clause No L2.X</p> <p>BGD_2740_lot_4.1_volume_2_2018_12_21 Page No 437/460; DRG. No. BHU/2</p> | <p>Clause No 1.2.6 calls that Bidder's cope is limited up to SITC of 2 set Transformer.</p> <p>However, at the Drg. No. BAG/4.5.2 is showing 3 nos transformer. Hence, we understand Foundation work will be done for Two transformer of present scope and the future is excluded. Please confirm.</p>   | Yes  |          |
| 364 | <p>BGD_2740_lot_4.1_volume_3_2018_12_21 Page No 42/286; Clause No L2.X</p> <p>BGD_2740_lot_4.1_volume_2_2018_12_21 Page No 437/460; DRG. No. BHU/2</p> | <p>...substation main gate and guard house, security boundary wall...</p> <p>Area for present scope has been mentioned as 3 acres. However, dimensions of the security boundary wall is missing at BHU/2. Hence request you to mark the same.</p>  | Bidders are kindly invited to visit all required locations |          |
| 365 | <p>BGD_2740_lot_4.1_volume_3_2018_12_21 Page No 42/286; Clause No L2.X</p> <p>BGD_2740_lot_4.1_volume_2_2018_12_21 Page No 437/460; DRG. No. BHU/2</p> | <p>... and <b>internal fencing, access road</b>,...</p> <p>Clause No 10.1.3.5 — Access road from outside of the site boundary that connects adjacent public road and all roads within the site boundary shall be provided by the Bidder.</p> <p>Request you to provide Dimension or length to be consider, so that all bidder can quote with common understanding:</p> <ol style="list-style-type: none"> <li>1. Fencing Length</li> <li>2. Access Road</li> </ol> | Bidders are kindly invited to visit all required locations |          |

| No. | Volume / Section / Clause / Item / Page  | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification   | Add. Y/N |
|-----|--|--|--|----------|
| 366 | <p>BGD_2740_lot_4.1_volume_3_2018_12_21 Page No 42/286; Clause No L2.X</p> <p>BGD_2740_lot_4.1_volume_2_2018_12_21 Page No 437/460; DRG. No. BHU/2</p> | <p>....., internal roads and parking,....</p> <p>We presume that all internal road i.e. for present &amp; future area, as per marked at the respective tender attached Layout, for different sites, covered under present scope. Please confirm.</p>               | <p>Yes, your understanding is correct.</p> <p>Internal roads shall be provided for complete substations, including future bays</p>                             |          |
| 367 | <p>BGD_2740_lot_4.1_volume_3_2018_12_21 Page No 42/286; Clause No L2.X</p> <p>BGD_2740_lot_4.1_volume_2_2018_12_21 Page No 437/460; DRG. No. BHU/2</p> | <p>and switchyard drainage system including out-fall,.....</p> <p>We assume that Bidder's responsibility of construction drainage system is limited for the area of present scope only. Drainage system for the vacant area has been excluded. Please confirm.</p> | Yes  |          |
| 368 | <p>BGD_2740_lot_4.1_volume_3_2018_12_21 Page No 42/286; Clause No L2.X</p> <p>BGD_2740_lot_4.1_volume_2_2018_12_21 Page No 437/460; DRG. No. BHU/2</p> | <p>... PVC pipes etc., switchyard surface finishing and gravel surfacing....</p> <p>Please confirm that switchyard surface finishing and gravel surfacing work is limited beyond 1.00 m of the last Gantry or Equipment only applicable for the present scope.</p> | Yes  |          |
| 369 | <p>BGD_2740_lot_4.1_volume_3_2018_12_21 Page No 42/286; Clause No L2.X</p> <p>BGD_2740_lot_4.1_volume_2_2018_12_21 Page No 437/460; DRG. No. BHU/2</p> | Kindly confirm Minimum dimension of 132 kV GIS building which is missing from the Tender Layout i.e. BHU/2   | <p>Minimum GIS building dimensions are 36 x 12 m</p> <p>Drawings are PRELIMINARY and FOR TENDER PURPOSE ONLY</p>   |          |
| 370 | <p>BGD_2740_lot_4.1_volume_3_2018_12_21 Page No 42/286; Clause No L2.X</p> <p>BGD_2740_lot_4.1_volume_2_2018_12_21 Page No 437/460; DRG. No. BHU/2</p> | Kindly confirm Minimum dimension of 33 kV GIS building which is missing from the Tender Layout i.e. BHU/2  | <p>Minimum GIS building dimensions are 36 x 12 m</p> <p>Drawings are PRELIMINARY and FOR TENDER PURPOSE ONLY</p>   |          |
| 371 | General  | We assume that encumbrance free land without any over & underground services, will be handed over to successful bidder. Please confirm.  | <p>No, your understanding is not correct.</p> <p><b>LAND</b> will be handed over... After that, all works and services will be Contractor's responsibility</p> |          |

| No. | Volume / Section / Clause / Item / Page                                      | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification   | Add. Y/N |
|-----|--|---|--------------------------------|----------|
| 372 | General  | Kindly provide Plan & section of both Pump house and reservoir.   | According to the PGCB standard |          |
| 373 | BGD_2740_lot_2.1_volume_2_2018_12_21 Page No 283/460<br>Clause No 10.1.3.19  | <b>10.1.3.19 Cable Trenches in Local Control Building/SPR</b><br>Trench covers shall be sheets of composite board, PERMALI YA 729 or similar approved, consisting of wood fibres impregnated and compacted in synthetic resin, or a composite flooring composite board.<br><br>Please confirm, instead of 'of composite board, PERMALI YA 729', Bidder may propose 6 mm thick MS chequered plate.   | No                             |          |
| 374 | BGD_2740_lot_2.1_volume_2_2018_12_21 Page No 18/460<br>Clause No 1.2         | The geotechnical studies and soil investigations are in the Contractor's scope of work.<br><br>In price schedule, no such line item for site survey & subsoil investigation is included. So please include the same.  | Shall be included in Design    |          |
| 375 | BGD_2740_lot_2.1_volume_2_2018_12_21 Page No 275/460<br>Clause No 10.1.3.2.e | Regardless of the result of soil investigation report, the foundations of control building, boundary wall, gantry structures and for auto-transformers shall be provided with piles. Piles shall be concrete (cast-in situ or precast) complying with BS 8004.<br><br>Kindly specify the followings<br>1. Min. Dia of Pile<br>2. Min. Driving length of pile and Cut off length<br>3. Type of pile. Like Under reamed / end bearing type. | Follow Tender Document         |          |

| No. | Volume / Section / Clause / Item / Page                                      | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification   | Add. Y/N |
|-----|--|---|--|----------|
| 376 | BGD_2740_lot_2.1_volume_2_2018_12_21 Page No 275/460<br>Clause No 10.1.3.2.e | All exposed concrete and the outer surfaces of cable trenches and cable tunnels shall receive two coats of bitumastic paint before backfilling to reduce ingress of water. The Concrete surface shall be ground smooth and all air holes etc filled (rubbed down with a cement slurry) before painting.<br><br>Kindly confirm below points :<br>1. exposed concrete in switchyard area means expose portion of pedestal above FGL.<br>2. Outer side of Cable trench above FGL | Follow Tender Document   |          |
| 377 | BGD_2740_lot_2.1_volume_2_2018_12_21 Page No 275/460<br>Clause No 10.1.3.2.e | For shallow foundations the minimum depth of foundations shall be 1.5m.<br><br>We trust that open foundation will be designed as per soil investigation report. Please confirm.   | Like it was written: minimum + according to the report.<br><br>The Bidders shall consider both |          |
| 378 | BGD_2740_lot_2.1_volume_2_2018_12_21 Page No 276/460<br>Clause No 10.1.3.3   | Outside boundary wall the bidder shall be responsible for drainage up to 20Mtr. From the wall and wall at same sites need to construct out lets with erosion protection down to paddy Land.<br><br>We trust that necessary clearance, purchase of land and local issues will be taken care by PGCB for drayage outlet extension upto 20Mtr. Outside of peripheral boundary. Please confirm.   | Follow Tender Document   |          |

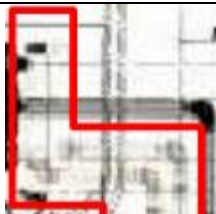
| No. | Volume / Section / Clause / Item / Page  | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification  | Add. Y/N |
|-----|--|--|---|----------|
| 379 | BGD_2740_lot.2.1_volume_2_2018_12_21 Page No 277/460<br>Clause No 10.1.3.3   | If a town's water supply is unreliable, the roof rain water shall be collected in an underground tank of standard Employer's design.<br><br>We request PGCB to provide the substation wise name where this type of underground tank required and include the same in price schedule. and also provide the Employer standard drawing. | "If a town's water supply is unreliable, the roof rain water shall be collected in an underground tank of standard Employer's design."<br><br>This paragraph is considered as deleted.<br>Please, follow water supply as article 10.1.3.6 | Yes<br>6 |
| 380 | BGD_2740_lot.2.1_volume_2_2018_12_21 Page No 277/460<br>Clause No 10.1.3.3   | Access road from outside of the site boundary that connects adjacent public road and all roads with ... Shall be provided by Bidder.<br><br>We trust that ROW for proposed approach road not in bidder scope and will be taken care by PGCB. Please confirm.   | Yes   |          |
| 381 | BGD_2740_lot.2.1_volume_2_2018_12_21 Page No 309/460<br>Clause No 10.2.3.6   | Drainage – Bidder shall responsible for all negotiations with local authority WASA... public sewer is proposed.<br><br>We assumed that necessary official documentation will be done by PGCB and bidder will be responsible for connection with public sewer. Please confirm.  | No  |          |
| 382 | BGD_2740_lot.2.1_volume_2_2018_12_21 Page No 311/460<br>Clause No 10.2.3.9   | Water Supply : if the pressure in the supply is inadequate to supply the roof tank continuously, the contractor shall install a 1800 liter low water tank and pump.<br><br>Please provide detail specification of low water tank & associated pump.  | Follow Tender document  |          |
| 383 | BGD_2740_lot.4.1_volume_3_2018_12_21<br>1.2.1 New 132/33 kV AIS Substation Gazaria – Surge arrester 36 kV, 30 kV continuous operating voltage, 10 kA nominal discharge current, 50 | As per SLD (Dwg. No. GAZ/1.1), 30kV Surge Arrester required 6 nos. only. Please confirm your actual requirement.   | Yes, you are right<br><br>Please, see Addendum  | Yes<br>7 |

| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification   | Add. Y/N |
|-----|---|--|--|----------|
|     | Hz, single phase, gapless, metal oxide type. Qty. 12 nos.<br>Page 8/286   |  |  |          |
| 384 | BGD_2740_lot.4.1_volume.3_2018_12_21<br>1.2.1 New 132/33 kV AIS Substation Gazaria – 33 kV AIS Switchgear with four bays and space for future eight bays,<br>Page 8/286 | As per Layout (GAZ/2), 6 nos. line bay gantry are shown in the 33kV Switchyard layout, whereas in the specification requirement 8 nos. future bays are mentioned. Please confirm your actual requirement.              | Drawings are PRELIMINARY and FOR TENDER PURPOSE ONLY   |          |
| 385 | BGD_2740_lot.4.1_volume.3_2018_12_21<br>1.2.1 New 132/33 kV AIS Substation Gazaria  | We understand that incumbrance free land are available for the proposed switchyard as per the Plot Plan. Please confirm.   | We don't understand your question  |          |
| 386 | BGD_2740_lot.4.1_volume.3_2018_12_21<br>1.2.1 New 132/33 kV AIS Substation Gazaria Layout (GAZ/2) L2.X Page 13/286  | A special bridge has been shown in the layout. In absence of any line item for the same, we assume that any civil work i.e. design and construction related to special bridge is not in bidder's scope.                | Two bridges shall be constructed in Gazaria substation.<br><br>One is smaller, next to the main road, but other is bigger, just before the exact substation location.<br><br>Those bridges are part of INTERNAL SUBSTATION ROADS<br><br>Bidders are kindly invited to visit all required locations |          |
| 387 | BGD_2740_lot.4.1_volume.3_2018_12_21<br>1.2.1 New 132/33 kV AIS Substation Gazaria Layout (GAZ/2)<br>L2.X Page 13/286   | If construction of special bridge covered under bidder's present scope we request to provide the followings:<br>1. Contour of the proposed plot.<br>2. Depth of the bridge.<br>3. type of bridge, whether box culvert. | Bidders are kindly invited to visit all required locations   |          |
| 388 | BGD_2740_lot.4.1_volume.3_2018_12_21<br>1.2.2 Extension of the Existing 132/33 kV AIS Substation Daudkandi  | We understand that the bay extension area are free from any hindrance and at same elevation as of existing substation. Please confirm.   | Bidders are kindly invited to visit all required locations   |          |

| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification                               | Add.<br>Y/N |
|-----|---|--|--|-------------|
| 389 | BGD_2740_lot.4.1_volume.3_2018_12_21<br>1.2.2 Extension of the Existing 132/33 kV AIS Substation Daudkandi<br>B2.1 Disconnecter with Earthing Switch<br>Page 15/286                                     | As per the SLD (DAU / 4.1) we have considered disconnecter with one earth switch only.<br>Other disconnectors are without earth switch.<br>Please confirm. | Yes  |             |
| 390 | BGD_2740_lot.4.1_volume.3_2018_12_21<br>1.2.2 Extension of the Existing 132/33 kV AIS Substation Daudkandi<br>– Extension of the existing Control, Protection, SCADA System and Metering<br>Page 15/286 | Please provide make and model of existing SCADA.   | Bidders are kindly invited to visit all required locations |             |
| 391 | BGD_2740_lot.4.1_volume.3_2018_12_21<br>1.2.2 Extension of the Existing 132/33 kV AIS Substation Daudkandi<br>Extension of the existing Tariff Metering<br>Page 16/286                                  | Please provide make and model of existing Tariff Metering system.  | Bidders are kindly invited to visit all required locations |             |
| 392 | BGD_2740_lot.4.1_volume.3_2018_12_21<br>1.2.2 Extension of the Existing 132/33 kV AIS Substation Daudkandi<br>Tele-control & Tele-protection & Tele-metering facilities.<br>Page 1/2866                 | Please provide make and model of existing Tele-control & Tele-protection & Tele-metering facilities.   | Bidders are kindly invited to visit all required locations |             |
| 393 | BGD_2740_lot.4.1_volume.3_2018_12_21<br>1.2.2 Extension of the Existing 132/33 kV AIS Substation Daudkandi<br>Fibre Optic Multiplexer Equipment<br>Page 16/286  | Please provide make and model of existing Fibre Optic Multiplexer Equipment.   | Bidders are kindly invited to visit all required locations |             |
| 394 | BGD_2740_lot.4.1_volume.3_2018_12_21<br>1.2.2 Extension of the Existing 132/33 kV AIS Substation Daudkandi<br>Extension of existing LV DC 110 V Auxiliary Power Supply<br>Page 17/286                   | Please provide the SLD and rating of existing 110V DC system.  | Bidders are kindly invited to visit all required locations |             |

| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification                                | Add.<br>Y/N |
|-----|---|--|---|-------------|
| 395 | BGD_2740_lot.4.1_volume.3_2018_12_21<br>1.2.2 Extension of the Existing 132/33 kV AIS Substation Daudkandi<br>Extension of existing LV DC 48 V Auxiliary Power Supply<br>Page 17/286                        | Please provide the SLD and rating of existing 48V DC system.   | Bidders are kindly invited to visit all re-quired locations |             |
| 396 | BGD_2740_lot.4.1_volume.3_2018_12_21<br>1.2.2 Extension of the Existing 132/33 kV AIS Substation Daudkandi<br>Extension of the existing LV AC 400/230 V 50 Hz auxiliary power supply system.<br>Page 17/286 | Please provide the SLD and rating of existing LV AC DB.  | Bidders are kindly invited to visit all re-quired locations |             |
| 397 | BGD_2740_lot.4.1_volume.3_2018_12_21<br>1.2.2 Extension of the Existing 132/33 kV AIS Substation Daudkandi<br>... To provide extension of the existing switchyard lighting...<br>Page 18/286                | Please provide the type of existing switchyard lighting system.<br>We also understand that there is no requirement of considering extension of MLDB, LDB, sub-LDB and emergency DC LDB. Sufficient spare feeder is available for the use of illumination work for the bay extension work.<br>Please confirm. | Bidders are kindly invited to visit all re-quired locations |             |
| 398 | BGD_2740_lot.4.1_volume.3_2018_12_21<br>1.2.2 Extension of the Existing 132/33 kV AIS Substation Daudkandi ... To provide extension of the existing earthing system...<br>Page 18/286                       | We understand that the existing grid spacing to be maintained for the extension of earth mat.<br>Please provide the existing earthmat layout.  | Bidders are kindly invited to visit all re-quired locations |             |
| 399 | BGD_2740_lot.4.1_volume.3_2018_12_21<br>1.2.2 Extension of the Existing 132/33 kV AIS Substation Daudkandi<br>Layout (DAU/2)  | We understand that the line conductor and its in-sulator hardware, clamps and connector are not in Bidder's scope of work for both line side gan-try and take-off tower.   | Yes, your understanding is correct                          |             |
| 400 | BGD_2740_lot.2.1_volume.3_2018_12_21<br>1.2.3 New 132/33 kV GIS Substation Nabinagar<br>33 kV AIS Switchgear with four bays and space for future eight bays   | We understand that the 33kV Switchyard is AIS type.<br>Please confirm.<br>However, in the PUB/2 Layout, 33kV Switchgear  | Outdoor AIS   |             |



| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification  | Add. Y/N |
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|     | Layout (PUB/2)<br>Schedule of quantity<br>Page 35/330   | is mentioned.<br>Also, as per Schedule of quantity 33kV Equip-<br>ments are outdoor type.<br>Please confirm.  |   |          |
| 401 | BGD_2740_lot.2.1_volume.3_2018_12_21<br>1.2.3 New 132/33 kV GIS Substation Nabinagar  | We understand that incumbrance free land are<br>available for the proposed switchyard as per the<br>Plot Plan. Please confirm.  | Bidders are kindly invited to visit all re-<br>quired locations   |          |
| 402 | BGD_2740_lot.2.1_volume.3_2018_12_21<br>1.2.4 Extension of the Existing 132/33 kV GIS<br>Substation Dhamrai.<br>– Extension of the existing 132/33 kV GIS Substa-<br>tion Dhamrai for two new 132 kV GIS transmission<br>line bays.<br>Layout DHA/2.1         | <br>There is one number GIB running on the vacant<br>area where the bay extension work is shown at<br>the outdoor GIS area.<br>Pleaser confirm the make and model of the exist-<br>ing GIS. | Bidders are kindly invited to visit all re-<br>quired locations   |          |
| 403 | BGD_2740_lot.2.1_volume.3_2018_12_21<br>1.2.4 Extension of the Existing 132/33 kV GIS<br>Substation Dhamrai.<br>– Extension of the existing 132/33 kV GIS Substa-<br>tion Dhamrai for two new 132 kV GIS transmission<br>line bays.                           | We understand that only the bay extension work<br>of GIS for two new line bay is in scope of bidder<br>in this package. No dismantling, modification work<br>for the existing GIS are envisaged. Please con-<br>firm.   | We REALLY don't understand your<br>question<br><br>Two new bays shall be connected and<br>incorporated in existing substation |          |
| 404 | BGD_2740_lot.2.1_volume.3_2018_12_21<br>1.2.4 Extension of the Existing 132/33 kV GIS<br>Substation Dhamrai.<br>The control room has enough space. Auxiliary<br>power supply is available.<br>– extension of existing AC & DC power supply.<br>Page 26 / 286. | We understand that there is sufficient spare<br>feeder is available in 415V ACDB, 110V DCDB<br>and 48V DCDB.<br>Please confirm.   | Your understanding is not correct<br><br>Bidders are kindly invited to visit all re-<br>quired locations                      |          |

| No. | Volume / Section / Clause / Item / Page  | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification   | Add. Y/N |
|-----|--|---|--|----------|
| 405 | BGD_2740_lot.2.1_volume.3_2018_12_21<br>1.2.4 Extension of the Existing 132/33 kV GIS Substation Dhamrai.<br>– A complete indoor and partly outdoor GIS line feeder 145 kV...<br>Page 26/286             | We understand that the GIS is completely outdoor type.<br>Please confirm.                               | We REALLY don't understand your question<br><br>Bidders are kindly invited to visit all required locations |          |
| 406 | BGD_2740_lot.2.1_volume.3_2018_12_21<br>1.2.4 Extension of the Existing 132/33 kV GIS Substation Dhamrai.<br>– Extension of the existing Control, Protection, SCADA System and Metering..<br>Page 27/286 | Please confirm the make and model of existing SAS system.   | Bidders are kindly invited to visit all required locations   |          |
| 407 | BGD_2740_lot.2.1_volume.3_2018_12_21<br>1.2.4 Extension of the Existing 132/33 kV GIS Substation Dhamrai.<br>– Extension of the existing Tariff Metering.<br>Page 27/286                                 | Please confirm the make and model of existing Tariff Metering system.                                   | Bidders are kindly invited to visit all required locations   |          |
| 408 | BGD_2740_lot.2.1_volume.3_2018_12_21<br>1.2.4 Extension of the Existing 132/33 kV GIS Substation Dhamrai. – Tele-control & Teleprotection & Tele-metering facilities.<br>Page 28/286                     | Please confirm the make and model of existing Tele-control & Teleprotection & Tele-metering facilities. | Bidders are kindly invited to visit all required locations   |          |
| 409 | BGD_2740_lot.2.1_volume.3_2018_12_21<br>1.2.4 Extension of the Existing 132/33 kV GIS Substation Dhamrai.<br>– Extension of existing LV DC 110 V Auxiliary Power Supply.<br>Page 28/286                  | Please provide the SLD of existing 110V DCDB.   | Bidders are kindly invited to visit all required locations   |          |
| 410 | BGD_2740_lot.2.1_volume.3_2018_12_21<br>1.2.4 Extension of the Existing 132/33 kV GIS Substation Dhamrai.<br>– Extension of existing LV DC 48 V Auxiliary Power Supply                                   | Please provide the SLD of existing 48V DCDB.  | Bidders are kindly invited to visit all required locations   |          |

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|     | Page 28/286   |  |   |          |
| 411 | BGD_2740_lot.2.1_volume.3_2018_12_21<br>1.2.4 Extension of the Existing 132/33 kV GIS Substation Dhamrai.<br>-Extension of the existing LV AC 400/230 V 50 Hz auxiliary power supply system.<br>Page 28/286                             | Please provide the SLD of existing 400/230V ACDB.  | Bidders are kindly invited to visit all required locations  |          |
| 412 | BGD_2740_lot.2.1_volume.3_2018_12_21<br>1.2.4 Extension of the Existing 132/33 kV GIS Substation Dhamrai.<br>- Earthing and Lightning Protection<br>Page 29/286   | We understand that below ground earthmat is already existing, only above ground earthing for present bay equipment is in present scope of work.<br>Please confirm. | No, your understanding is not correct   |          |
| 413 | BGD_2740_lot.2.1_volume.3_2018_12_21<br>1.2.4 Extension of the Existing 132/33 kV GIS Substation Dhamrai.<br>... corresponding GIS connections and SF6/Air bushings and/or three single phase XLPE cables...<br>Page 30/286             | As per layout (DHA/2.1), only GIB for the line bay is envisaged. No EHV cabling work is considered.<br>Please confirm.   | Please, see answer 32   |          |
| 414 | BGD_2740_lot.2.1_volume.3_2018_12_21<br>1.2.5 Renovation / New 132/33 kV GIS Substation Bagherhat<br>A 132/33 kV Substation Bagherhat is an existing substation, which shall be completely renovated.<br>Page 31/286                    | We understand that incumbrance free land is available for the new GIS substation work. Please confirm.   | No, your understanding is not correct<br>Bidders are kindly invited to visit all required locations |          |
| 415 | BGD_2740_lot.2.1_volume.3_2018_12_21<br>1.2.5 Renovation / New 132/33 kV GIS Substation Bagherhat<br>- one (1) existing power transformer 132/33 kV, 50/75 MVA shall be also connected to the new 132 kV GIS Switchgear.<br>Page 31/286 | We understand that any type of dismantling work to accommodate the existing power transformer 132kV connection is in bidder's scope. Please confirm.               | Yes   |          |

| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification   | Add.<br>Y/N |
|-----|---|---|--|-------------|
| 416 | <p>BGD_2740_lot.2.1_volume.3_2018_12_21</p> <p>1.2.5 Renovation / New 132/33 kV GIS Substation Bagherhat</p> <p>Existing 33 kV AIS Switchgear has to be completely renovated with:</p> <ul style="list-style-type: none"> <li>– new 33 kV single busbar, divided at three sections by two disconnectors</li> <li>– three (3) 33 kV transformer (132/33 kV) bays</li> </ul> <p>Page 31/286</p> | <p>Please provide the layout and SLD of existing AIS type 33kV Switchyard.</p> <p>We understand that the 33kV System is AIS type switchyard.</p> <p>Please confirm.</p>   | <p>Bidders are kindly invited to visit all required locations</p>  |             |
| 417 | <p>BGD_2740_lot.2.1_volume.3_2018_12_21</p> <p>1.2.5 Renovation / New 132/33 kV GIS Substation Bagherhat</p> <ul style="list-style-type: none"> <li>· 33 kV cable connection of approximately 3 x 20 meters</li> </ul> <p>Page 31/286</p>   | <p>We understand that no 33kV cable is required for the connection from the 33kV terminal of transformer to the 33kV Incoming line bay. Hence, no 33kV Cabling work is envisaged. Please confirm.</p>           | <p>No, your understanding is not correct</p> <p>Bidders are kindly invited to visit all required locations</p> |             |
| 418 | <p>BGD_2740_lot.2.1_volume.3_2018_12_21</p> <p>1.2.5 Renovation / New 132/33 kV GIS Substation Bagherhat</p> <ul style="list-style-type: none"> <li>– De-installation and transport of existing power transformers at the location.</li> </ul> <p>Page 31/286</p>   | <p>We understand that existing transformer will be connected to the new 132kV GIS and 33kV AIS, hence, de-installation and transport of existing power transformer are not applicable. Please confirm.</p>      | <p>Yes, for one which will remain on its position</p>  |             |
| 419 | <p>BGD_2740_lot.2.1_volume.3_2018_12_21</p> <p>1.2.5 Renovation / New 132/33 kV GIS Substation Bagherhat</p> <p>... single phase Gas Insulated Busbars (GIB) with corresponding GIS connections and SF6 /Air bushings and/or three single phase XLPE cables...</p> <p>Page 37/286</p>   | <p>AS per the layout (BAG / 4.5.2) we understand that the 132kV line bay and transformer bay shall be connected through 132kV cable. Please confirm the size of cable and no. of run per phase to consider.</p> | <p>Please, see answer 32</p>   |             |
| 420 | <p>BGD_2740_lot.2.1_volume.3_2018_12_21</p> <p>1.2.6 Renovation / New 132/33 kV GIS Substation Bhulta</p> <p>A 132/33 kV Substation Bhulta is an existing substation, which shall be completely renovated.</p>  | <p>We understand that incumbrance free land will be available for the proposed 132kV GIS substation. Please confirm.</p>  | <p>No, your understanding is not correct</p> <p>Bidders are kindly invited to visit all required locations</p> |             |

| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification             | Add. Y/N |
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|     | Page 38/286   |  |  |          |
| 421 | BGD_2740_lot.2.1_volume.3_2018_12_21<br>1.2.6 Renovation / New 132/33 kV GIS Substation Bhulta<br>– Existing gantries shall be replaced with the new double system gantries for connection of all four (4) transmission lines 132 kV<br>Page 38/286 | We understand that any type dismantling work for the line side hardware, insulator, conductor, clamps and connectors are excluded from bidder's scope. Please confirm.   | Yes, your understanding is correct       |          |
| 422 | BGD_2740_lot.2.1_volume.3_2018_12_21<br>1.2.6 Renovation / New 132/33 kV GIS Substation Bhulta<br>132 kV cable connection of approximately 6 x 50–100 meters<br>Page 38/286   | Please confirm the type of 132kV cable, size and no. of run per phase to consider.   | Bidder has to follow tender requirements |          |
| 423 | BGD_2740_lot.2.1_volume.3_2018_12_21<br>1.2.6 Renovation / New 132/33 kV GIS Substation Bhulta<br>– two (2) existing power transformer 132/33 kV, 80/120 MVA shall be connected to the new 132 kV GIS Switchgear.<br>Page 38/286                    | We understand that two no. existing power transformer to be connected with the new GIS. However, no equipment dismantling work are envisaged to accommodate to install new AIS equipment like Surge Arrestor, BPI and 132kV Cable sealing end. Please confirm. | No, your understanding is not correct    |          |
| 424 | BGD_2740_lot.2.1_volume.3_2018_12_21<br>1.2.6 Renovation / New 132/33 kV GIS Substation Bhulta<br>The existing switchgear has to be completely dismantled..<br>Page 38/286  | We understand that the existing below ground earthing are available and need not to be considered. Please provide the earthmat layout.   | No, your understanding is not correct    |          |
| 425 | BGD_2740_lot.2.1_volume.3_2018_12_21<br>1.2.6 Renovation / New 132/33 kV GIS Substation Bhulta<br>Earthing and Lightning Protection   | We understand that existing below ground earthmat are existing. The above ground earthmat along with the riser are to be considered for the new equipment. Please confirm.   | No, your understanding is not correct    |          |

| No.                       | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification                  | Add. Y/N |
|---------------------------|---|---|---|----------|
|                           | Page 43/286   |   |   |          |
| <b>COMMERCIAL QUERIES</b> |   |   |   |          |
| 426                       | Volume-I / Appendix-8 / Clause No. 4.4 / Pg. 337                                    | <p>The Contractor's aggregate liability to pay liquidated damages for failure to attain the functional guarantees shall not exceed ten percent (10%) of the contract price.</p> <p>Please clarify that ten percent functional guarantees is applicable for which equipment's and how it shall be calculated.</p>  | According to the Tender requirements          |          |
| 427                       | Volume-I / Appendix-8 & SCC / Clause No. 4.4 /Pg. 334 & SCC GCC Cl no. 26 / Pg. 260 | <p>Completion time guarantee &amp; LD for functional guarantee</p> <p>Please note that cap for LD for delay is mentioned as 10% and LD for functional guarantee as 10%. Please inform us that is there any overall cap for LD for delay and LD for performance.</p>   | According to the Tender requirements          |          |
| 428                       | Volume-I / ITB Clause 2.3 / Source of funds / Pg. 5                                 | <p>The above Loan Agreement will cover only part of the project cost. As for the remaining portion, Government of Bangladesh (GoB) and Power Grid Company of Bangladesh Ltd. (hereinafter called "Employer") allocated necessary funds towards the cost of the proposed works as indicated in the BDS.</p> <p>Please inform us that what portion of funds shall be arranged by KFW and what portion shall be arranged by PGCB.</p> <p>Detail of necessary funds arranged by PGCB towards the cost of proposed works is missing in</p> | Complete foreign part will be executed by KfW |          |

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|     |  | the BDS. Please reply.  |                                      |          |
| 429 | Volume-I / Appendix-1 / Payment Procedures / Pg. 324   | <p>The payment of the portion of the contract price will be paid as per PGCB's financial and account rules or any other account rules in force and adopted by the Employer.</p> <p>Please inform us that how the contractor shall be paid either through LC or Direct payment. We also understand that If contractor shall be paid through LC ,LC opening charges shall be borne by PGCB. Please confirm.</p>   | According to the Tender requirements |          |
| 430 | Volume-I/Section-III/ Evaluation and Qualification Criteria, Specific experience 2.4.2 / Pg.45 | <p>New construction /extension of 110/X kV or higher rated voltage AIS and GIS substations with a minimum of three bays including one power transformer bay.</p> <p>In the above three contracts executed during the period mentioned above:</p> <ul style="list-style-type: none"> <li>· At least one GIS substation of the above-mentioned three contracts shall be in successful operation for a minimum of three (3) years on the date of the bid submission deadline.</li> <li>· At least one of the above contracts must be completed either in Bangladesh or outside the Bidder's own country.</li> </ul> <p>Qualification requirement mentions the requirement of three contracts for AIS and GIS substation.</p> <p>Further it mentions that "At least one GIS substation of the above-mentioned three contracts shall be in successful operation for a minimum of three (3) years on the date of the bid submission</p> | According to the Tender requirements |          |

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|               |  | deadline"<br>We understand that bidder can meet the QR with AIS Package or GIS package with minimum one GIS package. Please confirm.  |                              |          |
|               |  |   |                              |          |
| <b>Common</b> |  |   |                              |          |
| 431           | <p><b><u>Volume 1, Section I: Instructions to Bidders</u></b></p> <p><b><u>4. Eligible Bidders</u></b></p> <p>4.1 - A Bidder may be a private entity or a government-owned entity - subject to ITB 4.5 - or any combination of such entities with the intent to enter into an agreement supported by a letter of intent or under an existing agreement in the form of a joint venture, consortium, or association (JV). In the case of a JV:</p> <p>(a) all partners shall be jointly and severally liable, and</p> <p>(b) the JV shall nominate a Representative who shall have the authority to conduct all business for and on behalf of any and all the partners of the JV during the bidding process and, in the event the JV is awarded the Contract, during contract execution.</p> | <p><b><u>Bidder request for the following:</u></b></p> <p>1. Separate Contract Agreements to be placed by PGCB, one for Lead Partner and separate Contract for other Joint Venture/ Consortium partner.</p> <p>2. In case one Contract Agreement is placed in the name of JV/ Consortium, then bidder request for following points:</p> <p>a) Separate billing schedule of each partner to be mentioned in the contract.</p> <p>b) We request you to accept separate tax invoices from each JV/ Consortium partner for their respective scope of work.</p> <p>c) We also request that PGCB will issue requisite applicable Exemption/ Concessional Tax Certificates, TDS / WCT Certificates and any other applicable statutory forms / certificates to each JV/ Consortium member as per the Invoices submitted by the consortium member for the defined scope of work.</p> <p>d) Since Escrow Account/ similar arrangement is not applicable as per present banking system of Bangladesh, hence bidder understand that PGCB/ KfW will make payment directly to each Joint Venture/ Consortium member located in different countries.</p> | No                           |          |



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| 432 | <p><b><u>Volume 1, Section II: Bid Data Sheet</u></b><br/> <b><u>ITB 19.1</u></b> - The currency(ies) of the bid shall be as follows:</p> <p>(a) Plant and equipment to be supplied from abroad shall be quoted entirely in foreign currency: EURO.</p>  | <p><b><u>Bidder request for the following:</u></b></p> <p>The currency(ies) of the bid shall be as follows:</p> <p>(a) Plant and equipment to be supplied from abroad shall be quoted entirely in foreign currency: EURO/ <b><u>DOLLAR.</u></b></p>  | No                           |          |
| 433 | <p><b><u>Volume 1, Section VI: Employer's Requirements</u></b><br/> <b><u>5. Bank Guarantees and Certificates</u></b><br/> <b><u>5.2 - Form of Advance Payment Security</u></b></p> <p>Additional Clause</p>   | <p><b><u>Please add the below clause at the end of 5th paragraph of the Advance Payment Security format:</u></b></p> <p>The maximum amount of this guarantee is valid shall be progressively reduced in proportion to the value of each part-shipment or part-delivery of plant and equipment to the site, as indicated in copies of the relevant shipping and delivery documents that shall be presented to us.</p>               | No                           |          |
| 434 | <p><b><u>Volume 1, Section VI: Employer's Requirements</u></b><br/> <b><u>5. Bank Guarantees and Certificates</u></b><br/> <b><u>5.1 Form of Performance Security/ 5.2 - Form of Advance Payment Security</u></b></p> <p>Additional Clause</p>   | <p><b><u>Please add the below clause at the end of the Performance Security/ Advance Payment Security Format:</u></b></p> <p>This Guarantee is subject to Uniform Rules for Demand Guarantees, ICC Publication No. 758.</p>  | Yes<br>Typing mistake        |          |
| 435 | <p><b><u>Volume 1, Section VII: General Conditions of Contract (GCC)</u></b><br/> <b><u>7. Scope of Facilities</u></b><br/> <b><u>Clause 7.3</u></b> - In addition to the supply of Mandatory Spare Parts included in the Contract, the Contractor agrees to supply spare parts required for the operation and maintenance of the Facilities for the period specified in the SCC and the provisions, if any, specified in the SCC.</p> | <p><b><u>Bidder requests for the modification of said clause as given below:</u></b></p> <p>In addition to the supply of Mandatory Spare Parts included in the Contract, the Contractor agrees to supply spare parts, <b><u>or functionally equivalent spare parts,</u></b> required for the operation and maintenance of the Facilities for the period specified in the SCC and the provisions, if any, specified in the SCC.</p> | No                           |          |

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| 436 | <p><b><u>Volume 1, Section VII: General Conditions of Contract (GCC)/ Section VIII: Special Conditions of Contract (SCC) 9. Contractor's ResponsibilitiesGCC</u></b></p> <p><b><u>Clause 9.3</u></b> - The Contractor shall acquire and pay for all permits, approvals and/or licenses from all local, state or national government authorities or public service undertakings in the country where the Site is located which such authorities or undertakings require the Contractor to obtain in its name and which are necessary for the performance of the Contract, including, without limitation, visas for the Contractor's and Subcontractor's personnel and entry permits for all imported Contractor's Equipment. The Contractor shall acquire all other permits, approvals and/or licenses that are not the responsibility of the Employer under GCC Sub-Clause 10.3 hereof and that are necessary for the performance of the Contract.<b><u>PCC - Add the following to Clause GC 9.3</u></b>The Contractor shall acquire and pay for all permits, approvals, and/or licenses from local, state or national government authorities or public service undertakings in the country where the site is located which(a) such authorities or undertakings require obtaining in the Employer's name,(b) are necessary for execution of the contract, including those required for the performance by both the Contractor and the Employer of their respective obligations under the contract, and(c) are specified in the appendix (scope of works and supply by the Employer) to the contract agreement.The cost of acquiring such permits, approvals, and/or licenses is deemed included in the contract price.</p> | <p><b><u>Responsibility for Permits &amp; Approvals:</u></b>1. Contractor will provide technical support/ assistance to Employer for taking all necessary approvals, permits &amp; licences from all local, state or national government authorities or public service undertakings or other competent authorities. Contractor shall be responsible for only those permits that has to be taken in his own name.All necessary fees for such approvals shall be paid by Employer only. Kindly Confirm.2. Please clarify the approvals required to be taken by Contractor.</p> | No                           |          |
| 437 | <p><b><u>Volume 1,Section VII: General Conditions of Contract (GCC)</u></b></p> <p><b><u>24. Completion of the Facilities</u></b></p> <p><b><u>Clause 24.6</u></b> - If the Project Manager fails to issue the</p>   | <p><b><u>Following Completion and Deemed Completion clause to be added to the Conditions:</u></b></p> <p>(a) As soon as the Contractor achieves the Works Completion of the contract works, it shall issue to</p>  | No                           |          |

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|     | <p>Completion Certificate and fails to inform the Contractor of any defects and/or deficiencies within fourteen (14) days after receipt of the Contractor's notice under GCC Sub-Clause 24.4 or within seven (7) days after receipt of the Contractor's repeated notice under GCC Sub-Clause 24.5, or if the Employer makes use of the Facilities or part thereof, then the Facilities or that part thereof shall be deemed to have reached Completion as of the date of the Contractor's notice or repeated notice, or as of the Employer's use of the Facilities, as the case may be.</p> <p><b><u>25. Commissioning and Operational Acceptance</u></b></p> <p><b><u>25.5 Delayed Pre commissioning and/or Guarantee Test</u></b></p> <p><b><u>Clause 25.5.1</u></b> - In the event that the Contractor is unable to proceed with the Pre commissioning of the Facilities pursuant to Sub-Clause 24.3, or with the Guarantee Test pursuant to Sub-Clause 25.2, for reasons attributable to the Employer either on account of non-availability of other facilities under the responsibilities of other contractor(s), or for reasons beyond the Employer's control, the provisions leading to "deemed" completion of activities such as Completion, pursuant to GCC Sub-Clause 24.6, and Operational Acceptance, pursuant to GCC Sub-Clause 25.3.4, and Contractor's obligations regarding Defect Liability Period, pursuant to GCC Sub-Clause 27.2, Functional Guarantee, pursuant to GCC Clause 28, and Care of Facilities, pursuant to GCC Clause 32, and GCC Clause 41.1, Suspension, shall not apply. In this case, the following provisions shall apply.</p> | <p>the Employer a notice (Notice of Works Completion) informing about the completion of the work.</p> <p>(b) Within 14 days following receipt of the notice of works completion, the Employer shall issue the Completion Certificate to Contractor, failure to which it shall be considered that the work has been successfully completed as on the date of the contractor's notice &amp; Deemed Completion Certificate will be considered to have been issued.</p> <p>(c) Completion is also deemed to have taken place if the Works or any part thereof are put to use by the Employer.</p> <p>(d) If Commissioning is delayed due to reasons not attributable to Contractor, Contractor shall be allowed to demobilize the site after 2 months waiting and shall provide commissioning support as &amp; when required. Consequently retention payment (if any) to be released against BG.</p> <p>The Defect Liability Period shall be deemed to have been started from the date of the such Deemed Completion Certificate.</p> |                              |             |
| 438 | <p><b><u>Volume 1, Section VII: General Conditions of Contract (GCC)</u></b></p> <p><b><u>26. Completion Time Guarantee</u></b></p> <p><b><u>Clause 26.2</u></b> - If the Contractor fails to attain Com-</p>   | <p>Bidder request for confirmation that such liquidated damages would be levied on the contractor if the Contractor fails to attain completion of facilities or any part thereof within the Time of Comple-</p>   | No                           |             |

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|     | pletion of the Facilities or any part thereof within the Time for Completion or any extension thereof under GCC Clause 40, the Contractor shall pay to the Employer liquidated damages in the amount specified in the SCC as a percentage rate of the Contract Price or the relevant part thereof. The aggregate amount of such liquidated damages shall in no event exceed the amount specified as "Maximum" in the SCC as a percentage rate of the Contract Price. Once the "Maximum" is reached, the Employer may consider termination of the Contract, pursuant to GCC Sub-Clause 42.2.2.   | tion for the reasons/delay caused by Contractors fault.<br>Contractor shall not be charged liquidated damages for the reasons that are not attributable to him.   |                              |          |
| 439 | <b><u>Volume 1, Section VII: General Conditions of Contract (GCC) 27. Defect Liability</u></b><br><b><u>Clause No. 27.2 - Para 2</u></b> If during the Defect Liability Period any defect should be found in the design, engineering, materials and workmanship of the Plant supplied or of the work executed by the Contractor, the Contractor shall promptly, in consultation and agreement with the Employer regarding appropriate remedying of the defects, and at its cost, repair, replace or otherwise make good as the Contractor shall determine at its discretion, such defect as well as any damage to the Facilities caused by such defect. | <b><u>The Bidder understand that Bidder has discretion to determine the option to repair, replace or modify. In case of any defect, Bidder requests the modification of the clause as suggested below:</u></b> ...<br>the Contractor shall promptly, <del>in consultation and agreement with the Employer regarding appropriate remedying of the defects, and</del> at its cost, repair, replace or otherwise make good as the Contractor shall determine at its discretion, such defect as well as any damage to the Facilities caused by such defect.                     | No                           |          |
| 440 | <b><u>Volume 1, Section VII: General Conditions of Contract (GCC)</u></b><br><b><u>30. Limitation of Liability</u></b><br><b><u>Clause 30.1</u></b> - Except in cases of criminal negligence or wilful misconduct,<br>(a) the Contractor shall not be liable to the Employer, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Contractor to pay liquidated damages to the Employer and  | <b><u>Request for the modification of the below clause as:</u></b><br>Except in cases of <del>criminal negligence or</del> wilful misconduct,<br>(a) the Contractor shall not be liable to the Employer, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, <del>loss of business, business interruption, loss of goodwill or loss of anticipated savings, cost of capital, loss of power, cost of purchased or replacement power, loss of information</del> | No                           |          |

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|     | (b) the aggregate liability of the Contractor to the Employer, whether under the Contract, in tort or otherwise, shall not exceed a multiple of the Contract Price specified in the SCC or, if a multiple is not so specified, the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the Contractor to indemnify the Employer with respect to patent infringement.  | <del>and data, damages based on the customer's third party contracts provided that this exclusion shall not apply to any obligation of the Contractor to pay liquidated damages to the Employer</del> and (b) the aggregate liability of the Contractor to the Employer, whether under the Contract, in tort or otherwise, shall not exceed a multiple of the Contract Price specified in the SCC or, if a multiple is not so specified, the total Contract Price, <del>provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the Contractor to indemnify the Employer with respect to patent infringement.</del>   |                              |          |
| 441 | <b><u>Volume 1, Section VII: General Conditions of Contract (GCC)</u></b><br><b><u>40. Extension of Time for Completion</u></b><br><b><u>Clause 40.2</u></b> - Except where otherwise specifically provided in the Contract, the Contractor shall submit to the Project Manager a notice of a claim for an extension of the Time for Completion, together with particulars of the event or circumstance justifying such extension as soon as reasonably practicable after the commencement of such event or circumstance. As soon as reasonably practicable after receipt of such notice and supporting particulars of the claim, the Employer and the Contractor shall agree upon the period of such extension. In the event that the Contractor does not accept the Employer's estimate of a fair and reasonable time extension, the Contractor shall be entitled to refer the matter to a Dispute Board, pursuant to GCC Sub-Clause 45.3. | <b><u>Bidder request for modification to the clause as below:</u></b><br>Except where otherwise specifically provided in the Contract, the Contractor shall submit to the Project Manager a notice of a claim for an extension of the Time for Completion, together with particulars of the event or circumstance justifying such extension <del>as soon as reasonably practicable within 14 days</del> after the commencement of such event or circumstance. <del>As soon as reasonably practicable Within 14 days</del> after receipt of such notice and supporting particulars of the claim, the Employer and the Contractor shall agree upon the period of such extension. In the event that the Contractor does not accept the Employer's estimate of a fair and reasonable time extension, the Contractor shall be entitled to refer the matter to a Dispute Board, pursuant to GCC Sub-Clause 45.3. | No                           |          |
| 442 | <b><u>Volume 1, Section VIII: Special Conditions of Contract (SCC)</u></b><br><b><u>7. Scope of Facilities</u></b><br><b><u>Clause 7.3</u></b> - The Contractor agrees to supply spare   | <b><u>Bidder requests to accept the following points:</u></b><br>1) The Contractor agrees to supply spare parts, or functionally equivalent spare parts, for a period of years: <del>10, Ten years</del> <u>3, Three years</u>   | No                           |          |

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|     | <p>parts for a period of years: 5 (five) years</p> <p>The Contractor shall carry sufficient inventories to ensure an ex-stock supply of consumable spares for the Plant. Other spare parts and components shall be supplied as promptly as possible, but at the most within six (6) months of placing the order and opening the letter of credit. In addition, in the event of termination of the production of spare parts, advance notification will be made to the Employer of the pending termination, with sufficient time to permit the Employer to procure the needed requirement. Following such termination, the Contractor will furnish to the extent possible and at no cost to the Employer the blueprints, drawings and specifications of the spare parts, if requested.</p>  | <p>2) 6 months delivery is not possible for all equipments. We confirm prompt supply of spares within a reasonable period. Please accept.</p> <p>3) Blueprints of spare parts are intellectual property of the manufacturers. We understand that only the non-IPR related drawings/as-built drawings need to be provided under this clause for the purpose of identification of spare parts. Please confirm.</p>  |  |          |
| 443 | <p><b><u>Volume 1, Section VIII: Special Conditions of Contract (SCC) 14. Taxes and Duties</u></b>The following paragraph is added at the end of the Sub-Clause 14.1: While making payment to the Contractor or instructing the respective bank to effect the payment to the Contractor, the Employer is entitled to deduct advance income tax (AIT) at source at applicable rate(s), which is required as per law of the Employer's country. In the event of withholding of AIT, the same shall be withheld and deposited to the govt. exchequer in the credit of Contractor by the Employer as per prevailing law of the Employer's country and evidence thereof shall be furnished to the Contractor. <b>Sub-Clause 14.2 is replaced with the following:</b> a. Notwithstanding GCC Sub-Clauses 14.1 above or where ever, any material import from abroad under price schedule No.1 shall be considered as the direct import of the Employer and the Employer shall bear and promptly pay all relevant customs and import duties as well as other local</p> | <p>1. We understand that Advance Income Tax (AIT) shall be applicable on the Total Contract Value. However, it will be deducted only for onshore portion from Contractor's Bill and not from offshore supplies/services payments. For Offshore supplies/services, AIT shall be directly submitted by PGCB to Government of Bangladesh without any deduction from contractors payments. Please confirm. 2. Please confirm the rate of applicable Advance Income Tax (AIT) in Bangladesh.</p> | <p>Your understanding is correct. However, all customs duties, VAT and AIT will be applicable as said by bid documents in accordance with prevailing law of employers country.</p> |          |

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|     | taxes, e.g., a value added tax (VAT), advance income tax (AIT) and other charges, which imposed by the law of the country, that are to be incorporated into the facilities.   |   |                              |          |
| 445 | <p><b><u>Volume 1,Section VIII: Special Conditions of Contract (SCC)</u></b></p> <p><b><u>14. Taxes and Duties</u></b></p> <p>Additional Clause</p>   | <p><b><u>Please add to the end of the paragraph as below:</u></b></p> <p>Employer shall issue/provide in timely manner (not later than 7 days from document submission) the necessary certificates/documents towards deduction/payment of tax as may be required by the Contractor to comply with Bangladesh Tax laws. In case of delay by employer, the Contractor shall be entitled to time &amp; cost reimbursement.</p>   | No                           |          |
| 446 | <p><b><u>Volume 1,Section VIII: Special Conditions of Contract (SCC)</u></b></p> <p><b><u>14. Taxes and Duties</u></b></p> <p><b><u>Sub-Clause 14.2 is replaced by the following:</u></b></p> <p>b. The Employer shall not be responsible for the payment of customs duties and VAT for the items imported for civil works material specified in Price Schedule No.4.The Contractor shall be responsible for the payment of customs duties and VAT for the items imported for civil works material.</p>   | <p><b><u>Please add to the end of the paragraph as below:</u></b></p> <p>Custom Duty shall be issued to the Port Authorities within 3 days of submission of request for Duty payment by Contractor. In case of delay by Employer, the Contractor shall be entitled to time &amp; cost reimbursement. Any detention or Demurrage due to delay in issuance of Custom Duty payment should be borne by the Employer based on the documentary evidence provided by the Contractor.</p> | No                           |          |
| 447 | <p><b><u>Volume 1,Section VIII: Special Conditions of Contract (SCC)</u></b></p> <p><b><u>22. Installation</u></b></p> <p><b><u>Rights of Way and Facilities</u></b></p> <p>Unless otherwise specified in the Contract, the Employer shall provide effective access to and possession of the Site including special and/or temporary rights-of-way which are necessary for the Works. The Contractor shall obtain, at his risk and cost, any additional rights of way or facilities outside the Site which he may require for the purpose of the Works.</p> | <p><b><u>Bidder request the following:</u></b></p> <p>The Employer shall provide effective access to and possession of the Site including special and/or temporary rights-of-way which are necessary for the Works and also any additional rights of way or facilities outside the Site which he may require for the purpose of the Works.</p>  | No                           |          |

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| 448 | <p><b><u>Volume 1,Section VIII: Special Conditions of Contract (SCC)</u></b><br/> <b><u>26. Completion Time Guarantee</u></b><br/> <b><u>Clause 26.2</u></b> - The applicable rate for liquidated damages is 0.5% of the contract price per week.</p> <p>The maximum deduction for liquidated damages is 10% of the contract price.</p>  | <p><b><u>1. Bidder request for modification to the clause as suggested below:</u></b><br/> The applicable rate for liquidated damages is 0.5% of the contract price per week.<br/> The maximum deduction for liquidated damages is <del>10%</del> <b>5%</b> of the contract price.</p> <p><b><u>2. Request to include the below clause at the end of the LD Clause in tender:</u></b><br/> Payment of such Liquidated Damages shall be the sole remedy for any delays attributable to the Contractor.</p>  | No   |          |
| 449 | <p><b><u>Volume 1,Section IX: Contract Forms Article 3Effective Date</u></b>3.1 - Effective Date (Reference GCC Clause 1)The Effective Date upon which the period until the Time for Completion of the Facilities shall be counted from is the date when all of the following conditions have been fulfilled:(a) This Contract Agreement has been duly executed for and on behalf of the Employer and the Contractor;(b) The Contractor has submitted to the Employer the performance security and the advance payment guarantee;(c) The Employer has paid the Contractor the advance payment(d) The Employer handed over clear site(s) including necessary permitsEach party shall make its best efforts to fulfil the above conditions for which it is responsible as soon as practicable.</p> | <p><b><u>Please modify the clause as below:</u></b>3.1 - Effective Date (Reference GCC Clause 1)The Effective Date upon which the period until the Time for Completion of the Facilities shall be counted from is the date when all of the following conditions have been fulfilled:(a) This Contract Agreement has been duly executed for and on behalf of the Employer and the Contractor;(b) The Contractor has submitted to the Employer the performance security and the advance payment guarantee;(c) The Employer has paid the Contractor the advance payment(d) The Employer handed over clear site(s) including necessary permits<b><u>(e) The Employer has established the irrevocable letter of credit for payment to contractor</u></b>Each party shall make its best efforts to fulfil the above conditions for which it is responsible as soon as practicable.</p> | No   |          |
| 450 | <p><b><u>Volume 1,Section IX: Contract Forms Appendix 1 - Terms and Procedures of Payment B. Payment Procedures</u></b><br/> The procedures for applying for certification for and making payments shall be as follows:</p> <p>The payment of the portion of the contract price for</p>  | <p>We understand that payment mechanism for foreign portion (Plant and Equipment Supplied from Abroad) shall be through Letter of Credit.</p>  | <p>The payment of the portion of the contract price for goods and services under the contract shall be disbursed directly by KfW according to KfW's Simplified Direct Disbursement Procedure</p> |          |



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|-----|---|--|------------------------------|----------|
|     | <p>goods and services under the contract shall be disbursed directly by KfW according to KfW's Simplified Direct Disbursement Procedure.</p> <p>The payment of the portion of the contract price will be paid as per PGCB's financial and account rules or any other account rules in force and adopted by the Employer.</p> <p>The Employer will pay the Contractor against the Interim Payment Certificate issued by the Engineer /Employer."</p>   |  |                              |          |
| 451 | <p><b><u>Volume 1,Section IX: Contract Forms</u></b><br/> <b><u>Appendix 8 - Functional Guarantees</u></b><br/> <b><u>1. General</u></b><br/> This appendix sets out</p> <p>(a) the functional guarantees referred to in GCC Clause 28 (Functional Guarantees)<br/> (b) the preconditions to the validity of the functional guarantees, either in production and/or consumption, set forth below<br/> (c) the minimum level of the functional guarantees<br/> (d) the formula for calculation of liquidated damages for failure to attain the functional guarantees.</p> <p><b><u>4.4 Limitation of Liability</u></b><br/> Subject to para. 4.3 above, the Contractor's aggregate liability to pay liquidated damages for failure to attain the functional guarantees shall not exceed ten percent (10%) of the contract price.</p> | <p>1) We could not find any formula for calculation of liquidated damages for failure to attain functional guarantees. Please provide the same.<br/> 2) Also, we understand that this claim is only applicable for Transformers and not for any other equipment.</p> | No                           |          |
| 452 | <p>Additional Clause on Limitation of Liability per Damage Event</p>  | <p><b><u>The Bidder requests for inclusion of the clauses as below:</u></b></p> <p>Per Damage Event Liability of the Contractor shall be limited to Euro 0.5 Million.</p>  | No                           |          |

| No. | Volume / Section / Clause / Item / Page    | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification | Add. Y/N |
|-----|--|--|------------------------------|----------|
| 453 | Additonal Clause on Export Reservation     | <b><u>The Bidder requests to include the following reservation clause as a separate clause in the tender documents:</u></b> "Bidder shall not be obligated to fulfill this agreement if such fulfillment is prevented by any impediments arising out of national or international foreign trade or customs requirements or any embargoes or other sanctions".  | No                           |          |
| 454 | Additional Clause on Sales Contract Clause | <b><u>The Bidder/ Contractor proposes the inclusion of the below mentioned Sales Contract Clause in the Tender documents.</u></b><br><br>1. If Employer transfers goods (hardware and/ or software and/ or technology as well as corresponding documentation, regardless of the mode of provision) delivered by Bidder/ Contractor or works and services (including all kinds of technical support) performed by Bidder/ Contractor to a third party worldwide, Employer shall comply with all applicable national and international (re-) export control regulations. In any event Employer shall comply with the (re-) export control regulations of the Federal Republic of Germany, of the European Union and of the United States of America.<br>2. If required to conduct export control checks, Employer, upon request by Bidder/ Contractor, shall promptly provide Bidder/ Contractor with all information pertaining to particular end customer, destination and intended use of goods, works and services provided by Bidder/ Contractor, as well as any export control restrictions existing.<br>3. Employer shall indemnify and hold harmless Bidder/ Contractor from and against any claim, proceeding, action, fine, loss, cost and damages arising out of or relating to any noncompliance with export control regulations by Employer, and Employer shall compensate Bidder/ Contractor for | No                           |          |

| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification | Add. Y/N |
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|     |   | all losses and expenses resulting thereof, unless such noncompliance was not caused by fault of the Employer. This provision does not imply a change in burden of proof.   |                              |          |
| 455 | Additional Clause on Interest Cost  | The invoices shall be settled immediately when due for payment. If Employer is in default with respect to the agreed terms of payment, it shall be liable, to pay default interest, from the due date of payment at a rate of 13% p.a. on the amount that have not been paid by the Employer.  | No                           |          |
| 456 | Additional Clause on Storage Cost   | If dispatch or delivery is delayed at Employer's request or due to reason attributable to Employer by more than one month after notice was given of the readiness for dispatch by Bidder/ Contractor, Employer may be charged storage costs for each month thereafter up to the amount of 0.5 % of the Subcontract price of the Works but in no event shall the aggregate storage charges exceed a total of 5% of the total Subcontract price. Thereafter, the Contract shall be deemed to be terminated at the option of Bidder/ Contractor. Bidder/ Contractor shall be free to dispose of the supply and recover damages from Employer. | No                           |          |
| 457 | Bidding document/Vol-1/Section 3/ Clause 2.7<br><br><b><u>2.7 Manufacturers/Subcontractors:</u></b><br>2. Gas Insulated Switchgear :<br>At least one evidence from end users for satisfactory service of equipment for a minimum of three (3) years as on the date of bid opening | Bidder understands that the performance certificate to be provided in the bid should be for the same GIS Model/Design that bidder intends to supply. The same should be substantiated with supporting drawings.  | Yes                          |          |
| 458 | Bidding document/Vol-3/Schedule B/Price Schedule 1/ S No. Q1.1<br>And<br>Bidding document/Vol-2/ 17. Bid Drawings<br><br><b><u>Price Schedule:</u></b>  | As per the price schedule (Volume 3, Schedule B) vendor can propose either cable or GIB for connection between GIS bays with line or Transformer. Typical arrangement of the same is shown in Drg. No. PGCB/KfW/2012.66.436/SSWZ/3.3 for 132kV . Bidder understands that cable basement to be  | Yes                          |          |

| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification   | Add. Y/N |
|-----|---|--|--|----------|
|     | S No. Q: GIB and/or Cable connections<br>AND<br>Typical arrangement of the same is shown in Drg. No. PGCB/KfW/2012.66.436/SSWZ/3.3 for 132kV  | considered as a part of building for either case of GIB or Cable. Kindly confirm.  |  |          |
| 459 | Bidding document/Vol-3/Schedule B/Price Schedule 1 & Schedule 2   | In absence of any list of mandatory spares in price schedule, Bidder understands that mandatory spares are not in the scope of Bidder.   | Minimum following special tools shall be provided for HV equipment:<br><br>One complete portable SF6 gas filling & evacuation plant (DILO) and one SF6 gas leak detector shall be provided for complete lot (not for each sub-station) |          |
| 460 | Bidding document/Vol-1/Section 3/ Clause 2.72.7 <b>Manufacturers/Subcontractors:</b> At least last twenty (20) years of manufacturing experience of minimum 220 kV or higher rating GIS Switchgear  | Bidder understands that GIS manufacturer should have at least last twenty (20) years of manufacturing experience of minimum 220 kV or higher rating GIS Switchgear supported with supply record of last 20 years outside bidders own country or in Tropical humid climate. Please confirm. | According to the Tender requirements   |          |
| 461 | Bidding document/Vol-2/ Section 1:Scope of work/<br>Page no 4<br><br><b>New 230kV GIS Building :</b> The new 230 kV GIS building has to be with cable basement, but no full cable basement is required. Generally, the cable basement will be only for primary and secondary cables. The height of the cable basement should be 3 (three) meters.<br>AND<br><b>New 132kV GIS and Control Building</b><br>The new 132 kV GIS and control building has to be with cable basement, but no full cable basement is required. Generally, the cable basement will be only for primary and secondary cables. The height of the cable basement should be 3 (three) meters. | Bidder understands that New 230 kV GIS Building, New 132kV GIS and Control room building will have cable basement of 3 meters. Kindly confirm.   | Yes  |          |

| No.                                 | Volume / Section / Clause / Item / Page  | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification  | Add. Y/N |
|-------------------------------------|--|---|---|----------|
| 462                                 | Bidding document/Vol-1/Section 3/ Clause 2.7<br><br>2.7 Manufacturers/Subcontractors:<br><b>GIS Switchgear</b> | Bidder understands that extension of GIS bays for existing GIS substation can be supplied from manufacturer of existing GIS.<br>Kindly Confirm.   | Yes, it can be  |          |
| <b>New 132/33kV AIS Gazaria</b>     |  |   |   |          |
| 463                                 | Bidding document/Vol-2/1. Scope of work/1.2.1<br>New 132/33 kV AIS Substation Gazaria<br><br>33kV AIS system   | As per scope of work, 33kV system will consist of 33kV AIS switchgears. However, as per bid drawing - GAZ/1.2, New 132/33 kV AIS Substation Gazaria a - Substation Layout and tender BOQ, 33kV system is outdoor AIS type. Which one to follow? Please confirm. | Outdoor AIS   |          |
| 464                                 | Bidding document/Vol-2/1. Scope of work/17 Drawing/1.2/GAZ/1.2<br><br>Control Room Building                    | As per the mentioned clause of technical specifications, the building size mentioned is 36X12 mtrs.However, in the tender layout the dimensions are not matching. Kindly confirm.   | Minimum GIS building dimensions are 36 x 12 m<br><br>Drawings are PRELIMINARY and FOR TENDER PURPOSE ONLY |          |
| 465                                 | Bidding document/Vol-2/1. Scope of work/17 Drawing/1.2/GAZ/1.2<br><br>Substation Layout                        | It is assumed that the dimensions of substations shown in the drawing are tentative and actual plot size will be provided during detail engineering.  | Yes   |          |
| <b>Extn. 132/33kV AIS Daudkandi</b> |  |   |   |          |
| 466                                 | Bidding document/Vol-2/1. Scope of work/17 Drawing/2.2/DAU/2.2<br><br>Earthing                                 | Please provide the details of the existing earthmat layout.   | Bidders are kindly invited to visit all required locations  |          |
| 467                                 | Bidding document/Vol-2/1. Scope of work/17 Drawing/2.2/DAU/2.2<br><br>Cable trench                             | Please provide the details of the existing cable trench layout.   | Bidders are kindly invited to visit all required locations  |          |

| No.                               | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification   | Add. Y/N |
|-----------------------------------|---|---|--|----------|
| 468                               | Bidding document/Vol-2/1. Scope of work/17 Drawing/2.2/DAU/2.2<br>LVAC board            | Please provide the details of the existing LV AC Distribution board.  | Bidders are kindly invited to visit all required locations   |          |
| 469                               | Bidding document/Vol-2/1. Scope of work/17 Drawing/2.2/DAU/2.2<br>LVDC board            | Please provide the details of the existing LV DC Distribution board.  | Bidders are kindly invited to visit all required locations   |          |
| 470                               | Bidding document/Vol-2/1. Scope of work/17 Drawing/2.2/DAU/2.2<br>Control Room Building | Please provide the details of existing control room building.   | Bidders are kindly invited to visit all required locations   |          |
| 471                               | Bidding document/Vol-2/1. Scope of work/17 Drawing/2.2/DAU/2.2<br>Control Room Building | Please provide the location and distance of existing control room building from switchyard under present scope.           | Bidders are kindly invited to visit all required locations   |          |
| 472                               | Bidding document/Vol-2/1. Scope of work/17 Drawing/2.2/DAU/2.2132kV Bus                 | Please provide the details of main bus - configuration, conductor type.   | Bidders are kindly invited to visit all required locations   |          |
| <b>New 132/33kV GIS Nabinagar</b> |   |   |  |          |
| 473                               | Bidding document/Vol-2/1. Scope of work/17 Drawing/3.2/NAB/3.2<br>Substation Layout     | As per the layout, no relay panel room for 132kV GIS has been considered. Kindly confirm locations of 132kV relay panels. | We don't understand your question  |          |
| 474                               | Bidding document/Vol-2/1. Scope of work/17 Drawing/3.2/NAB/3.2<br>Substation Layout     | As per layout, location of control room building is not clear. Please Confirm.  | On the ground floor is cable basement, on the first floor is GIS room, and on the second floor is control room |          |
| <b>Extn. 132/33kV GIS Dhamrai</b> |   |   |  |          |

| No.                                     | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification                               | Add.<br>Y/N |
|---|---|---|--|-------------|
| 475                                     | Bidding document/Vol-2/1. Scope of work/17 Drawing/4.2/DHA/4.2<br>Earthing              | Please provide the details of the existing earthmat layout.   | Bidders are kindly invited to visit all required locations |             |
| 476                                     | Bidding document/Vol-2/1. Scope of work/17 Drawing/4.2/DHA/4.2<br>Cable trench          | Please provide the details of the existing cable trench layout.   | Bidders are kindly invited to visit all required locations |             |
| 477                                     | Bidding document/Vol-2/1. Scope of work/17 Drawing/4.2/DHA/4.2<br>LVAC board            | Please provide the details of the existing LV AC Distribution board.  | Bidders are kindly invited to visit all required locations |             |
| 478                                     | Bidding document/Vol-2/1. Scope of work/17 Drawing/4.2/DHA/4.2<br>LVAC board            | Please provide the details of the existing LV DC Distribution board.  | Bidders are kindly invited to visit all required locations |             |
| 479                                     | Bidding document/Vol-2/1. Scope of work/17 Drawing/4.2/DHA/4.2<br>Control Room Building | Please provide the details of existing control room building.   | Bidders are kindly invited to visit all required locations |             |
| 480                                     | Bidding document/Vol-2/1. Scope of work/17 Drawing/4.2/DHA/4.2<br>Control Room Building | Please provide the location and distance of existing control room building from switchyard under present scope. | Bidders are kindly invited to visit all required locations |             |
| 481                                     | Bidding document/Vol-2/1. Scope of work/17 Drawing/4.2/DHA/4.2<br>132kV Incoming Line   | Please provide the details of conductor type.   | Bidders are kindly invited to visit all required locations |             |
| <b>Ren./ New 132/33kV GIS Bagherhat</b> |   |   |  |             |

| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification                               | Add. Y/N |
|-----|---|---|--|----------|
| 482 | Bidding document/Vol-2/1. Scope of work/17 Drawing/5.2/BAG/5.2<br>Earthing              | Please provide the details of the existing earthmat layout.   | Bidders are kindly invited to visit all required locations |          |
| 483 | Bidding document/Vol-2/1. Scope of work/17 Drawing/5.2/BAG/5.2<br>Cable trench          | Please provide the details of the existing cable trench layout.   | Bidders are kindly invited to visit all required locations |          |
| 484 | Bidding document/Vol-2/1. Scope of work/17 Drawing/5.2/BAG/5.2<br>LVAC board            | Please provide the details of the existing LV AC Distribution board.  | Bidders are kindly invited to visit all required locations |          |
| 485 | Bidding document/Vol-2/1. Scope of work/17 Drawing/5.2/BAG/5.2<br>LVAC board            | Please provide the details of the existing LV DC Distribution board.  | Bidders are kindly invited to visit all required locations |          |
| 486 | Bidding document/Vol-2/1. Scope of work/17 Drawing/5.2/BAG/5.2<br>Control Room Building | Please provide the details of existing control room building.   | Bidders are kindly invited to visit all required locations |          |
| 487 | Bidding document/Vol-2/1. Scope of work/17 Drawing/5.2/BAG/5.2<br>Control Room Building | Please provide the location and distance of existing control room building from switchyard under present scope.           | Bidders are kindly invited to visit all required locations |          |
| 488 | Bidding document/Vol-2/1. Scope of work/17 Drawing/5.2/BAG/5.2                          | Please provide the details of conductor type.   | Bidders are kindly invited to visit all required locations |          |
| 489 | Bidding document/Vol-2/1. Scope of work/17 Drawing/5.2/BAG/5.2<br>Substation Layout     | As per the layout, no relay panel room for 132kV GIS has been considered. Kindly confirm locations of 132kV relay panels. | We don't understand your question                          |          |



| No.                                  | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification   | Add. Y/N |
|--------------------------------------|---|---|--|----------|
| 490                                  | Bidding document/Vol-2/1. Scope of work/17 Drawing/5.2/BAG/5.2<br>Substation Layout     | As per layout, location of control room building is not clear. Please Confirm.                                  | On the ground floor is cable basement, on the first floor is GIS room, and on the second floor is control room |          |
| <b>Ren./ New 132/33kV GIS Bhulta</b> |   |   |  |          |
| 491                                  | Bidding document/Vol-2/1. Scope of work/17 Drawing/6.2/BHU/6.2<br>Earthing              | Please provide the details of the existing earthmat layout.   | Bidders are kindly invited to visit all required locations   |          |
| 492                                  | Bidding document/Vol-2/1. Scope of work/17 Drawing/6.2/BHU/6.2<br>Cable trench          | Please provide the details of the existing cable trench layout.   | Bidders are kindly invited to visit all required locations   |          |
| 493                                  | Bidding document/Vol-2/1. Scope of work/17 Drawing/6.2/BHU/6.2<br>LVAC board            | Please provide the details of the existing LV AC Distribution board.  | Bidders are kindly invited to visit all required locations   |          |
| 494                                  | Bidding document/Vol-2/1. Scope of work/17 Drawing/6.2/BHU/6.2<br>LVAC board            | Please provide the details of the existing LV DC Distribution board.  | Bidders are kindly invited to visit all required locations   |          |
| 495                                  | Bidding document/Vol-2/1. Scope of work/17 Drawing/6.2/BHU/6.2<br>Control Room Building | Please provide the details of existing control room building.   | Bidders are kindly invited to visit all required locations   |          |
| 496                                  | Bidding document/Vol-2/1. Scope of work/17 Drawing/6.2/BHU/6.2<br>Control Room Building | Please provide the location and distance of existing control room building from switchyard under present scope. | Bidders are kindly invited to visit all required locations   |          |

| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification   | Add. Y/N |
|-----|---|--|--|----------|
| 497 | Bidding document/Vol-2/1. Scope of work/17 Drawing/6.2/BHU/6.2<br><br>Incoming Line / Outgoing Line | Please provide the details of conductor type.  | Bidders are kindly invited to visit all required locations   |          |
| 498 | Bidding document/Vol-2/1. Scope of work/17 Drawing/6.2/BHU/6.2<br><br>Substation Layout             | As per the layout, no relay panel room for 132kV GIS has been considered. Kindly confirm locations of 132kV relay panels.  | We don't understand your question  |          |
| 499 | Bidding document/Vol-2/1. Scope of work/17 Drawing/6.2/BHU/6.2<br><br>Substation Layout             | As per layout, location of control room building is not clear. Please Confirm.   | On the ground floor is cable basement, on the first floor is GIS room, and on the second floor is control room |          |
|     |   |  |  |          |
| 500 | Volume 1: GCC Sub-clause 1  | <p><b>Bid Statement:</b><br/>"GCC Sub-clause 1 definitions specified that "Subcontractor," including manufacturers, means any person to whom execution of any part of the Facilities, including preparation of any design or supply of any Plant, is subcontracted directly or indirectly by the Contractor, and includes its legal successors or permitted assigns"</p> <p><b>Our Query:</b><br/>The manufacture and subcontractor were mentioned many times in bidding documents, the corresponding forms were required to be filled respectively.so we do not think the "Subcontractor" including manufacturers, can we understand the Manufacture and Subcontractor as follows?<br/>a. Manufacturer is for equipment supply of</p> | Yes, your understanding is correct   |          |

| No. | Volume / Section / Clause / Item / Page   | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification   | Add.<br>Y/N |
|-----|---|---|--|-------------|
|     |   | <p>major items like Towers/Poles, Conductors, Insulators, OPGW, Insulator etc. we have select the right and qualified manufacturers as per requirement in qualification criteria. We have to submit manufacturer's authorization with the tender. They will be treated as manufacturer.</p> <p>b. Subcontractor is used for services of Electrical and Civil works. Those who will be engaged for the works will be treated as subcontractor.</p>   |  |             |
| 501 | <p>A. Volume 1: SCC Sub-Clause 14.1</p> <p>B. Volume1; SCC Sub-Clause 14.2</p> <p>C. Volume1; ITB Sub-Clause 18.4</p> | <p><b>A. Bid Statement:</b> "The Contractor shall be entirely responsible for payment of all taxes including sales tax or VAT, stamp duties, licence fees and other such levies imposed inside the Employer's country, for purchasing any goods or services by them from any supplier(s), which may be required in the course of supply of all items and services mentioned in this contract."</p> <p><b>B. Bid Statement:</b> "Notwithstanding <b>GCC</b> Sub-Clauses 14.1 above or where ever, any material import from abroad under price schedule No.1 shall be considered as the direct import of the Employer and the Employer shall bear and promptly pay all relevant customs and import duties as well as other local taxes, e.g., a</p> | <p>All customs duties, VAT and AIT will be applicable as said by bid documents in accordance with prevailing law of employers country.</p> |             |

| No. | Volume / Section / Clause / Item / Page | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification | Add.<br>Y/N |
|-----|---|---|------------------------------|-------------|
|     |   | <p>value added tax (VAT), advance income tax (AIT) and other charges, which imposed by the law of the country, that are to be incorporated into the facilities.”</p> <p><b>C. Bid Statement:</b> in the price Schedules, bidders shall give the required details and a breakdown of their prices as follows:</p> <p>(a) Plant to be supplied from abroad (Schedule No. 1):</p> <p>(i) the price of the plant shall be quoted as per Incoterms specified in the BDS</p> <p>(ii) all custom duties and other taxes paid or payable in the Employer's country on the plant if the contract is awarded to the Bidder; and</p> <p>(iii) the total price for the plant (b) Plant supplied from within the Employer's country (Schedule No. 2): (i) The price of the plant shall be quoted as per Incoterms specified in the BDS,</p> <p>(ii) Sales tax and all other taxes payable in the Purchaser's country on the plant if the contract is awarded to the Bidder, and</p> <p>(iii) The total price for the plant.</p> <p><b>Our Query:</b><br/>there is an inconsistency of expression on who should pay the custom duties and</p> |                              |             |

| No. | Volume / Section / Clause / Item / Page                               | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification   | Add. Y/N |
|-----|---|---|--|----------|
|     |   | other taxes payable above mentioned, that need to be identified.  |  |          |
| 502 | Volume1 ITB sub-clause12.1  | <p><b>Bid Statement:</b><br/>           "The Letters of Technical Bid and Price Bid, and the Schedules, and all documents listed under ITB 11, shall be prepared using the relevant forms furnished in Volume 1 - Section 4 (Bidding Forms) and Volume 3. The forms must be completed without any alterations to the text, and no substitutes shall be accepted. All blank spaces shall be filled in with the information requested."</p> <p><b>Our Query:</b><br/>           The above mentioned sub-clause means that any modification were not allowed for the forms of bid price Schedule1 and Schedule2.<br/>           So How do we give the required details and a breakdown of price in the bid price Schedule1 and Schedule2 according to Instructions to Bidders sub-clauses 18.4</p> | We don't understand your question  |          |
| 503 | Volume 1; bidding forms from 7.4 Form FIN-1 to 7.7 Form FIN-4 and 7.9 | <p><b>Bid Statement:</b><br/>           "bidding forms from 7.4 Form FIN-1 to 7.7 Form FIN-4 and 7.9 FormEXP-2 ( a ) "</p> <p><b>Our Query:</b><br/>           What is the source of exchange rate and the date of exchange rate for EURO and USD in the bidding forms from 7.4 Form FIN-1 to 7.7 Form FIN-4 and 7.9</p>  | <p>Yes, Your understanding is correct. The exchange rates will be as on date of award of that particular contract.</p> <p>Average exchange rate in Central/National Bank in country of origin on 31<sup>st</sup> December.</p> |          |

| No. | Volume / Section / Clause / Item / Page                              | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification      | Add. Y/N |
|-----|--|---|-----------------------------------|----------|
|     |  | FormEXP-2 ( a )   |                                   |          |
| 504 | Volume 1: Biding Forms Clause 6.9                                    | <b>Bid Statement:</b> "Proposed Subcontractors for Major Items of Plant and Services"<br><br><b>Our Query:</b> What is the meaning of NLDC in the subcontractors list?  | National Load Dispatching Center  |          |
| 505 | Volume1; contract forms Appendix 1 - Terms and Procedures of Payment | <b>Bid Statement:</b><br><br>Schedule No. 3 - Design Services In respect of design services for both the foreign currency and the local currency portions, the following payments shall be made:<br><br><ul style="list-style-type: none"> <li>• Ten percent (10%) of the total design services amount as an advance payment against receipt of invoice and an irrevocable advance payment security for the equivalent amount made out in favour of the Employer.</li> <li>• Ninety percent (90%) of the total or pro rata design services amount upon acceptance of design by the Project Manager within forty-five (45) days after receipt of invoice.</li> </ul> <b>Our Query:</b><br>There is no reducing Terms and Procedures for the advance payment security of design service in corresponding clauses of contract forms. | We don't understand your question |          |

| No. | Volume / Section / Clause / Item / Page                              | Bidder's comment / Query / Clarification   | PGCB's Reply / Clarification      | Add.<br>Y/N |
|-----|--|--|-----------------------------------|-------------|
| 506 | Volume1; contract forms Appendix 1 - Terms and Procedures of Payment | <p><b>Bid Statement:</b></p> <p>Schedule No. 4 - Installation and other Services In respect of installation services for both the foreign and local currency portions, the following payments shall be made:</p> <ul style="list-style-type: none"> <li>• Ten percent (10%) of the total installation and other services amount as an advance payment against receipt of invoice and an irrevocable advance payment security for the equivalent amount made out in favour of the Employer. The advance payment security may be reduced in proportion to the value of work performed by the Contractor as evidenced by the invoices for installation services.</li> <li>• Eighty percent (80%) of the measured value of work performed by the Contractor, as identified in the said Program of Performance, during the preceding month, as evidenced by the Employer's authorization of the Contractor's application, will be made quarterly within forty-five (45) days after receipt of invoice.</li> <li>• Five percent (5%) of the total or pro rata value of installation services performed by the Contractor as evidenced by the Employer's authorization of the Contractor's</li> </ul> | We don't understand your question |             |

| No. | Volume / Section / Clause / Item / Page                         | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification | Add. Y/N |
|-----|---|---|------------------------------|----------|
|     |   | <p>monthly applications, upon issue of the Completion Certificate, within forty-five (45) days after receipt of invoice.</p> <ul style="list-style-type: none"> <li>• Five percent (5%) of the total or pro rata value of installation services performed by the Contractor as evidenced by the Employer's authorization of the Contractor's monthly applications, upon issue of the Operational Acceptance Certificate, within forty-five (45) days after receipt of invoice</li> </ul> <p><b>Our Query:</b><br/>There is no measurement and payment method for items of bid price schedule 4 in bidding documents, such as for Installation and Other Services, Factory Acceptance Tests and Trainings - for complete package and ESHS services for the complete lot etc.</p> |                              |          |
| 507 | <p>A. Volume 1: SCC sub-clause7</p> <p>B. Volume 2; 3.4.9.9</p> | <p><b>A. Bid Statement:</b> "The Contractor agrees to supply spare parts for a period of years: <b>5 (five)years</b>"</p> <p><b>B. Bid Statement:</b> "The Contractor is obliged to enclose with the bid a list of recommended spares required for operation and maintenance necessary for <b>10 years period.</b>"</p> <p><b>Our Query:</b><br/>If there was any inconsistency between</p>   | SCC is mandatory             |          |



| No. | Volume / Section / Clause / Item / Page | Bidder's comment / Query / Clarification  | PGCB's Reply / Clarification  | Add.<br>Y/N |
|-----|---|---|---|-------------|
|     |   | above mentioned two clauses?  |   |             |
| 508 | Volume3; Schedule B                     | <b>Bid Statement:</b><br>"Schedule 1: Plant & Equipment Supplied from Abroad and Schedule 2: Plant & Equipment Supplied from within the Employer's Country"<br><b>Our Query:</b><br>There is no mandatory spear part list in the Bid Price Sechedule1 and Sechedule2. | One complete portable SF6 gas filling & evacuation plant (DILO) and one SF6 gas leak detector shall be provided for complete lot (not for each sub-station)<br><br>The price shall be included in the equipment |             |
|     |   |   |   |             |

### **List of Addendum-1 (Package 4.1)**

| No. | No. of Query | Volume / Section / Clause / Item / Page  | Addendum  |
|-----|--------------|--|---|
| 1   | 18           | Vol 3, Item 1.2.1, 1.2.2, 1.2.3, 1.2.4, 1.2.5 & 1.2.6 pages 8, 13, 19, 25, 31 & 38 | <b>PGCB decided to NOT install any DFDR on any Substation</b>   |
|     |              | Vol 3, Schedule B, Price Schedule, Schedule 1, 2 & 4, Items G5.XE                  | Items G5.XE changed to 0 for all Substations  |
| 2   | 23           | Vol 3, Item 1.2.1, 1.2.3, 1.2.5 & 1.2.6 pages 8, 19, 31 & 37                       | <b>Control, Protection and SAS set for complete Switchgear 33 kV</b>  |
|     |              | Vol 3, Schedule B, Price Schedule, Schedule 1, 2 & 4, <b>NEW</b> Item G.4.         |   |
| 3   | 29           | Vol 3, Item 1.2.3, 1.2.5 & 1.2.6 pages 17, 30 & 37                                 | T5 - Two (2) sets of three (3) single-phase, 2-winding, 132/V3 / 110/V3 / 110/V3 kV/V/V, GIS type voltage transformers  |
|     |              | Vol 3, Schedule B, Price Schedule, Schedule 1, 2 & 4, Item BG.4.                   |   |
| 4   | 93           | Vol 2, Drawings  | Optical Fibre (OPGW) Network of Bangladesh  |
| 5   | 144          | Vol 2, item 4.12.4.page 161  | <b>The new power transformers shall be equipped with Water Spray System made in EU/USA/Japan</b>  |
| 6   | 379          | Vol 2, item 10.1.3.3.  | This paragraph is deleted:<br>"If a town's water supply is unreliable, the roof rain water shall be collected in an underground tank of standard Employer's design."<br>Please follow article 10.1.3.6 titled as 'Water Supply' |
| 7   | 383          | Vol 3, cl. 1.2.1 & 1.2.3<br>Item C5, page 7 & 18                                   | Required quantity of Surge Arresters 33 kV shall be 6 instead of 12   |
|     |              | Vol 3, Price Schedule, item C5 on 6 places   |   |
|     |              |  |   |