

SL No.	Bidder's Query	PGCB's Reply
	In case of any modification work in existing bay, please confirm the requirement.	
174.	Please arrange layout plan and section drawing of existing substation (including existing control room location) for our reference.	Information can't be provided in the moment. The Employer will provide information to selected Bidder.
175.	Price Schedule/Scope of work section-1/Tender SLD PGCB/KIW/2012.66.436/SSNZ/3.1 Please provide the current rating, Short circuit rating, voltage level, creepage, CT/ CVT parameters and existing conductor type and other main parameters of existing system.	Information can't be provided in the moment. The Employer will provide information to selected Bidder.
176.	Price Schedule In case of any conflict in price bid and specification we understand that price bid to be followed. Please confirm.	No The scope of works under this turnkey contract is: design, supply, manufacture, quality assurance, inspection and testing, delivery, new packing for export, insurance, shipment & transport to the site, complete construction and installation, jointing, terminating, bonding, earthing, painting, setting to work, site testing and commissioning , defect liability for all equipment, including all civil works. The Contractor's responsibility is to provide that all parts of the works be completed in every respect for commercial operation, to the requirements of the Engineer. 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. 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. In case of extension and renovation works, not all required as-built drawings may be available for the existing plant and equipment, which required modification/renovation; the Contractor is also

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		PGCB is responsible to make drawings as required to complete the works. The Bidder is deemed to have visited site, inspected, gathered data and verified details of the as built system in order to design, supply and interface their new equipment. All necessary materials, adjustments, dismantling, remedial and tidying-up work in order to complete the work specified shall be included in the contract price. 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. Etc.
177.	Price Schedule/Scope of work section-1/Tender SLD PGCB/KI/W/2012.66.436/SSNZ/3.1 We understand there is no dismantling work envisaged for the subject tender. Please confirm.	No All necessary works have to be included in the contract price, including dismantling works, if any
178.	Price Schedule We understand that all mandatory spare parts, maintenance tool and test equipment shall be as per price schedule. Please confirm.	Yes
179.	Please furnish the geotechnical data including soil electrical resistivity report detail for our reference.	The geotechnical studies and soil survey investigations is in the selected Bidder's scope of work
132/33 KV AIS MITHAPUKUR NEW		
180.	Tender Layout /Tender SLD PGCB/KI/W/2012.66.436/SSNZ/4.2 PGCB/KI/W/2012.66.436/SSNZ/4.1 As pre tender SLD and tender layout for 132KV system there is 7 nos present bay and 4 nos future bay. Please confirm.	Yes
181.	Tender Layout /Tender SLD PGCB/KI/W/2012.66.436/SSNZ/4.2 PGCB/KI/W/2012.66.436/SSNZ/4.1 As per tender SLD and layout, for 132KV system main bus extension is shown for total 7 nos present bay. 4 nos future bays shall be	Yes, you understand correctly. But, all permanent facilities, like control building, , cable tranches, etc. have to be considered for final arrangement.

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	unequipped, we understand only space provision to be kept for future bays. Gantry work, civil work, earthmat, cable trench, illumination, DSLP etc is not envisaged for any future bay please confirm	
182.	Tender Layout /Tender SLD PGCB/KI/W/2012.66.436/SSNZ/4.2 PGCB/KI/W/2012.66.436/SSNZ/4.1 As per tender SLD for 33kV system main bus shown for 4 nos present bay and 6 nos future bay, however as per tender layout main bus shown for 4 nos present bay and 2 nos future bay. Please confirm the final requirement that for how many future bays main bus to be extended?	33 kV Switchgear 1 main busbars, divided at two sections by disconnecter, 2 transformer bays, 2 auxiliary transformer bays 8 future bays (6 from one side and 2 from other side)
183.	Tender Layout /Tender SLD PGCB/KI/W/2012.66.436/SSNZ/4.2 PGCB/KI/W/2012.66.436/SSNZ/4.1 Please provide the detail of conductor type for following connection:- 1) 132kV and 33kV main bus 2) 132kV and 33kV line bay/Transformer bay Jack Bus. 3) Conductor type for equipment connection for line/transformer bay (for 132kV and 33kV system 4) Jumper connection conductor detail for all type of bay (for 132kV and 33kV system).	The Bidder has to follow Tender requirement. Conductors have to be standard conductors in Employer's network, preferably ACSR or AL tube Rated voltage, rated insulation level, rated short circuit current, rated current etc. can be found in the Tender documents Generally speaking for 132 kV: 132 kV, BIL 650/275 kV, 40 kA, 2000 or 1250 A Generally speaking for 33 kV: 33 kV, BIL 170/70 kV, 25 kA, 2000 or 1600 or 1250 or 630 A
184.	Price Schedule We understand that if quantity of main equipment (mentioned in price schedule) shall increase, It shall be paid accordingly. Please confirm.	Only generally speaking. It is applicable ONLY for main equipment: power transformer, circuit breaker, ... It is NOT APPLICABLE for lot or lump sum price
185.	Price Schedule As per price schedule 132kV and 33kV equipment (item no B & C), there is no item for 132kV & 33kV BPI, request PGCB to add this item in Price schedule.	Post Insulators, if any, have to be considered with necessary material and equipment to complete switchgear
186.	Price Schedule We understand that if quantity of main equipment (mentioned in price schedule) shall increase as per scope requirement, It shall be paid	Only generally speaking. It is applicable ONLY for main equipment: power transformer, circuit breaker, ...

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	accordingly. Please confirm.	It is NOT APPLICABLE for lot or lump sum price
187.	Tender Layout /Tender SLD PGCB/KIW/2012.66.436/SSNZ/4.2 PGCB/KIW/2012.66.436/SSNZ/4.1 We understand that tender layout is tentative, and same can be optimized during detail engineering stage as per site condition. Please confirm.	Yes, your understanding is correct The Bidder has to consider all Tender drawings as preliminary and for Tender purpose only. All dimensions are preliminary and general. Not all equipment is shown. Details are not shown at all. Final solution has to be defined during design stage The Selected Bidder has to provide detail design and detail calculation of complete facilities The Selected Bidders has to provide detail drawings as well as all other documents, which will be subject of Employer's final approval.
188.	Section-1, scope of work/Tender Layout /Tender SLD /Price Schedule PGCB/KIW/2012.66.436/SSNZ/4.2 PGCB/KIW/2012.66.436/SSNZ/4.1 As per scope of work understand, our scope is limited to termination of overhead conductor (Jack Bus) on 132/33 KV lines side gantry and providing suspension string (if required) /droppers for switchyard equipment (if required). We have not envisaged stringing between 132/33kV line gantries to dead-end towers and further stringing and other accessories for transmission line. Further, supply & erection of tension string on terminal gantry is excluded from our scope of work.	Yes, your understanding is correct.
189.	Section-1, scope of work/Tender Layout /Tender SLD /Price Schedule PGCB/KIW/2012.66.436/SSNZ/4.2 PGCB/KIW/2012.66.436/SSNZ/4.1 In case of any conflict in price bid and specification we understand that price bid to be followed. Please confirm.	No The scope of works under this turnkey contract is: design, supply, manufacture, quality assurance, inspection and testing, delivery, new packing for export, insurance, shipment & transport to the site, complete construction and installation, jointing, terminating, bonding, earthing, painting, setting to work, site testing and commissioning, defect liability for all equipment, including all civil works. The Contractor's responsibility is to provide that all parts of the

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		works be completed in every respect for commercial operation, to the requirements of the Engineer. 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. 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. In case of extension and renovation works, not all required as-built drawings may be available for the existing plant and equipment, which required modification/renovation; the Contractor is also responsible to make drawings as required to complete the works. The Bidder is be deemed to have visited site, inspected, gathered data and verified details of the as built system in order to design, supply and interface their new equipment. All necessary materials, adjustments, dismantling, remedial and tidying-up work in order to complete the work specified shall be included in the contract price. 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. Etc.
190.	Price Schedule We understand there is no dismantling work envisaged for the subject tender. Please confirm.	No All necessary works have to be included in the contract price, including dismantling works, if any
191.	Price Schedule We understand that all mandatory spare parts, maintenance tool and test equipment shall be as per price schedule. Please confirm.	Yes




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192.	Please furnish the geotechnical data including soil electrical resistivity report detail for our reference.	The geotechnical studies and soil survey investigations is in the selected Bidder's scope of work
GENERAL POINTS FOR ALL SITES		
193.	Tender drawing- PGCB/KIW/2012.66.436/SSNZ/9.8 As per tender drawing, 2 nos cable trench section is given, we understand this is only for reference and the cable trench section shall be decided during detail engineering stage as per the actual requirement,	Yes, your understanding is correct The Bidder has to consider all Tender drawings as preliminary and for Tender purpose only. All dimensions are preliminary and general. Not all equipment is shown. Details are not shown at all. Final solution has to be defined during design stage The Selected Bidder has to provide detail design and detail calculation of complete facilities The Selected Bidders has to provide detail drawings as well as all other documents, which will be subject of Employer's final approval.
194.	Tender Drawing PGCB/KIW/2012.66.436/SSNZ/9.2 We understand that the room sizes given in this control room building drawing can be changed during detail engineering stage as per the actual requirement, without changing the overall area of control room building to accommodate all required accessories and panels. Please confirm.	Yes, your understanding is correct The Bidder has to consider all Tender drawings as preliminary and for Tender purpose only. All dimensions are preliminary and general. Not all equipment is shown. Details are not shown at all. Final solution has to be defined during design stage The Selected Bidder has to provide detail design and detail calculation of complete facilities The Selected Bidders has to provide detail drawings as well as all other documents, which will be subject of Employer's final approval.
195.	Tender Drawing PGCB/KIW/2012.66.436/SSNZ/9.1 As per drawing control room building ground floor has cable cellar, so for indoor area these is no cable trench required.	The Bidder has to follow Tender requirements. The Bidder has to consider all Tender drawings as preliminary and for Tender purpose only. All dimensions are preliminary and general. Not all equipment is shown. Details are not shown at all. Final solution has to be defined during design stage The Selected Bidder has to provide detail design and detail calculation of complete facilities

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		The Selected Bidders has to provide detail drawings as well as all other documents, which will be subject of Employer's final approval. The provided is very clear. Description of 33 kV Switchgear: 1 main busbars, divided at two sections by disconnecter, 2 transformer bays, 2 auxiliary transformer bays 8 future bays (6 from one side and 2 from other side) The Bidder has to consider all Tender drawings as preliminary and for Tender purpose only. All dimensions are preliminary and general. Not all equipment is shown. Details are not shown at all. Final solution has to be defined during design stage The Selected Bidder has to provide detail design and detail calculation of complete facilities The Selected Bidders has to provide detail drawings as well as all other documents, which will be subject of Employer's final approval.
196.	Tender Drawing- PGCB/KW/2012.56.436/SS/NZ/5.1 This drawing is not clear, arrangement is for 33kV switchyard; please clarify this arrangement showing for which site of PKG 6222?	
197.	Section 6 6.6.2 Control Cables and Instrumentation Cables Control cable 1.5 sq.mm and Cables for CT shall be 4.0sq.mm Cu. Conductor.	The Bidder has to follow Tender requirement. The Selected Bidder has to provide detail design and detail calculation of complete facilities, which will be subject of Employer's final approval. Those are only minimum requirements The Bidder has to follow Tender requirement.
198.	6.11.4 Trays, Racks and Ladders We have considered ladder and perforated GI cable trays. Please confirm.	
199.	We have considered all LV Power and Control cables are PVC insulated. Please confirm.	The Bidder has to follow Tender requirement. The Selected Bidder has to provide detail design and detail calculation of complete facilities, which will be subject of



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		Employer's final approval. This include type of cables insulation
200.	Section 7 7.5 Soil Survey As per description, we have considered 100 ohm-M soil resistivity. During actual execution, if soil resistivity value changes widely from this value, kindly confirm how commercial implication can be settled.	The geotechnical studies and soil survey investigations is in the selected Bidder's scope of work The Selected Bidder has to provide detail design and detail calculation of complete facilities, according to the results of the study, which will be subject of Employer's final approval. All of this has to be considered in the Bid price, without any additional commercial implication.
201.	Section 9 LV AC Distribution Switchgear The scope includes supply of 415V, 3 Ph, 4 Wire LV AC Switchgear having two incomer and one buscoupler facility. We have considered 3Pole ACB with neutral link for incomer and buscoupler. Please confirm.	The Bidder has to follow Tender requirement. The Bidder has to follow the applicable Bangladesh laws. The Selected Bidder has to provide detail design and detail calculation of complete facilities, which will be subject of Employer's final approval. This include all type of equipment and facilities
202.	LV AC Distribution Scheme (Drg.no. PGCB/IDBL/1/CODE/E09 (R0) It is not understood why two bus has been shown for each bus section of ACDB. Please clarify.	The Bidder has to follow Tender requirement. The Bidder has to follow the applicable Bangladesh laws. The Bidders has to follow standard international technical practice and has to provide safe and reliable solution. Redundancy and interconnectivity is one of the key requirement for reliable and long lasting operation of the equipment The Selected Bidder has to provide detail design and detail calculation of complete facilities, which will be subject of Employer's final approval. Auxiliary power supply is the heart of the substation and special attention will be on the proposed solution.
203.	Section 12 Lighting, Small Power, Heating and Ventilation We have considered fluorescent lighting fixtures for indoor lighting and vapour fittings for outdoor lighting system. We have not considered any LED fixtures.	The Bidder has to follow Tender requirement. The Bidder has to follow the applicable Bangladesh laws. The Bidder has to follow PGCB's standard and to provide appropriate solution

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		The Selected Bidder has to provide detail design and detail calculation of complete facilities, which will be subject of Employer's final approval.
TRANSFORMERS		
204.	Clause No. 4.3.1, page No. 89 Cooling : The type of cooling shall be stated in the Schedule A of requirement. Schedule A of requirement is not available with us. Please provide the same.	Schedule A is part of Volume 3 The Bidder has to follow Tender requirement. Type of cooling, for both type of power transformers is: ONAN / ONAF
205.	Clause No. 4.3.1, page No. 89 Parallel Operation : Transformer supplied against each item shall be designed to operate satisfactorily, one with the other when operating on the same tap position. Parallel operation feasible with transformer having similar rating supplied by us only. Please confirm.	We don't understand the question. Parallel operation of the Power transformers is mandatory and has to be provided.
206.	Clause No. 4.3.4, page No. 90 Calculation and tests We will prove transformer short circuit ability by calculation (As per IEEEEMA) only. Please confirm.	Yes
207.	Clause No. 4.3.7, page No. 92 'Impedance Impedance shall be subjected to IEC tolerance. Please confirm.	Yes
208.	Clause No. 4.9.4, page No. 107 Mounting of Bushings Bushings with gas Bubble deflector are of old design, now these type are not used.	Agree.
209.	Clause No. 5.2.4.1 D1, S.No 1.2 Type : Autotransformer three- phase, oil immersed, with tertiary winding, hermetically sealed, with on-load tap changer, outdoor	The Bidder has to follow Tender requirement. Autotransformer has to be hermetically sealed.



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210.	Offered transformer shall not be hermetically sealed. Clause No. 5.2.4.1 D1, S.No 2.3 As per Clause No. 5.2.4.1 : 230/132/33 kV 225/300 MVA Autotransformer And as per S.No. 2.3 Voltages are □ HV winding : 235 kV □ MV winding : 135 kV □ LV - stabilizing winding : 34.5 kV Please clarify what is actual required voltages.	Rated voltage is: 230 ±10 x 1,25 % / 135 / 34,5 kV/kV / kV
211.	Clause No. 5.2.4.1 D1, S.No 3.1.2 & 3.1.3 Impedance between HV-LV & MV-LV Please provide impedance requirement between HV-LV & MV-LV.	We don't understand the question. The Bidder has to follow Tender requirement. The Bidder has to fill in appropriate values
212.	Clause No. 5.2.4.1 D1, S.No 6.6.1 HV Winding : Interleaved HV winding shall be inter-shield type. Please confirm.	Yes.
213.	Clause No. 5.2.4.1 D1, S.No 8.4 Tap changer rated current >= 1600 Amps Tap changer rated current shall be 1200 Amps. Please confirm.	No The Bidder has to follow Tender requirement. The Tap changer rated current has to be at least 1600 A
214.	Clause No. 5.2.4.1 D1, S.No 10.1, 10.2 & 10.3 Current transformer We understand that required HV CT for tap changer is for AVR line drop compensation (only 1 CT required & can be locate at any HV phase). Please confirm our understanding. - Please provide complete details for all CTs.	No The Bidder has to follow Tender requirement. The Bidder has to follow PGCB's standard and to provide appropriate solution The Selected Bidder has to provide detail design and detail calculation of complete facilities, which will be subject of Employer's final approval.
215.	- We are considering 1 WTI for HV & 1 WTI for LV, hence only 2 BCT (for HV "V" Phase, & LV "V" Phase required). Please confirm. Clause No. 5.2.4.1 D1, S.No 14.4.2	Distance between the two pairs of rails

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	Axial inter space in transversal direction between two pairs of rails 4520 mm Please provide suitable drawing to understand this requirement.	
216.	Cooling Group We will provide 2 x 50% Radiator Bank, No standby bank shall be provided. Please confirm. Clause No. 5.2.4.1 D1, S.No 12 Type : Power transformer three- phase, oil immersed, two windings, without tertiary winding, hermetically sealed, with on-load tap changer, outdoor Offered transformer shall not be hermetically sealed. Please confirm.	No Bidder has to follow Tender requirements No Bidder has to follow Tender requirements Power transformer has to be hermetically sealed.
217.	As per Clause No. 5.2.4.2 : 132/33 kV 50/75 MVA power transformer And as per S.No. 2.3 Voltages are □ HV winding : 135 kV □ MV winding : 34.5 kV Please clarify what is actual required voltages.	Rated voltage is: 132 ±10 x 1,25 % / 34,5 kV/kV
218.	Clause No. 5.2.4.2 D2, S.No 3.1.1 impedance between HV - MV, on the basis of rated power 300 MVA with on-load tap changer in middle position = 12 +/-10% tol. We understand impedance 12% (+/-10% tol.) is at 75 MVA base instead of 300 MVA base.	Yes, your understanding is correct. Typing mistake Short circuit impedance corrected to reference temperature of 75°C at rated frequency and rated power of 75 MVA , between HV - MV, with on-load tap changer in the middle position has to be 12 ±10 %
219.	Clause No. 5.2.4.2 D2, S.No 3.6.2 & 3.6.3 Lighting impulse voltage 270 kV. Lighting impulse voltage shall be 170 kV only. Please confirm.	Yes, your understanding is correct. Typing mistake Lighting impulse voltage shall be 170 kV
220.	Clause No. 5.2.4.2 D2, S.No 5.2 & 5.3 MV & Neutral Bushing MV & Neutral Bushing shall be of 36 kV and of suitable current rating.	Yes, your understanding is correct. Typing mistake Rated voltage for MV Bushings shall be 36 kV

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	Please confirm.	
221.	Clause No. 5.2.4.2 D2, S.No 6.6.1 HV Winding : Interleaved HV winding shall be inter-shield type. Please confirm.	Yes
222.	Clause No. 5.2.4.2 D2, S.No 10.1 & 10.2 Current transformer -We understand that required HV CT for tap changer is for AVR line drop compensation (only 1 CT required & can be locate at any HV phase). Please confirm our understanding. - Please provide complete details for all CTs. - We are considering 1 WTI for HV & 1 WTI for LV , hence only 2 BCT (for HV "V" Phase, & LV "V" Phase required).	No The Bidder has to follow Tender requirement. The Bidder has to follow PGCB's standard and to provide appropriate solution The Selected Bidder has to provide detail design and detail calculation of complete facilities, which will be subject of Employer's final approval.
223.	Clause No. 5.2.4.2 D2, S.No 12 Cooling Group We will provide 2 x 50% Radiator Bank, No standby bank shall be provided. Please confirm.	No Bidder has to follow Tender requirements
224.	Clause No. 5.2.4.2 D2, S.No 14.4.2 Axial inter space in transversal direction between two pairs of rails 4520 mm Please provide suitable drawing to understand this requirement.	Distance between the two pairs of rails
225.	Appendix 2 - Price Adjustment/Escalation Formula as per the Appendix -2 for Power transformer 'B & D = LME mid-day cash settlement prices of copper and zinc in US\$/mt. A price adjustment will be applied only in case the resulting price increase or decrease of any item is more than six (6) percent of the price quoted for this item. However, such payment implication shall not exceed a total ceiling of fifteen (15) percent of the relevant items.	No The Bidder has to follow Tender requirement.

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	We request to accept the Price variation as per IEEMA (Electrical and Electronics Manufacturers Association) Formula enclosed. Also there is no content of Zinc in transformer, hence we request you to kindly replace it by transformer OIL. A price adjustment will be applied only in case the resulting price increase or decrease of any item is more than six (6) percent of the price It should be deleted.	
226.	4.13.3 Oil Storage Storage tanks shall be painted internally and externally. Kindly clarify that Storage tank will be on returnable basis after commissioning. What will be the total quantity of the storage tank? Capacity of each Storage OIL tank?	No One set of equipment, Oil Treatment Plant and Oil Storage Tank, has to be provided at each substation where transformer has to be supplied. Price of these items will be quoted as "Necessary material and equipment to complete Transformers" stated in price schedule.
227.	Price Schedule - DS.6 Transformer ventilator with motor We understand that it is about the fan with motor	Yes
228.	type Test Requirements 1.2.5 for Power Transformer Temperature rise test Dielectric Test Shot circuit withstand test (Special Test) We will submit Certificate issued by the TSL member, CPRI Noida and hence we do not envisage the subject tests to conduct. Regarding the S.C test - We will provide the calculation as per the qualification requirement of the Power transformer. Thus we do not envisage the Short Circuit test.	Evidence shall be submitted with the Bid as to the extent to which the Manufacturer has proved, or is able to prove, either by calculation or test, the ability of the specified Transformers to withstand short circuit. All transformers will be subject of testing according to the Tender requirements
FIBRE OPTIC & MULTIPLEXER UNIT		
229.	Volume-2: 1. Scope of Work & Drawings forming Part of Specification 1.2.1 Extension of the New 230/132 kV Substation Rajshahi	1. Approximately 80 km 2. Yes



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	1) In order to design the system, we request you to please confirm the distance between new proposed 230/132kV Rajshahi Substation & HVDC Bheramara. 2) Please confirm that 230/132kV Rajshahi Substation would be SAS based and no RTU is required under present scope of work. 3) Please confirm that there would be double circuit line between new proposed 230/132kV Rajshahi Substation & HVDC Bheramara. 4. Please confirm the other end Telecommunication Scope i.e HVDC Bheramara end is covered under presnet scope. 5) We understand that other end i.e HVDC Bheramara end is SAS based and extension of 2 Bay from new proposed 230/132kV Rajshahi Substation is not covered under present scope.	3. Yes 4. Yes 5. We don't understand your question. All other ends have to be covered from tele-communication point of view
230.	Volume-2: 1. Scope of Work & Drawings forming Part of Specification 1.2.2 New 132/33 kV Substation Bangura 1) In order to design the system, we request you to please confirm the distance between new proposed 132/33kV Bangura Substation & existing Baghabari Substation. 2) Please confirm that new proposed 132/33kV Bangura Substation would be SAS based and no RTU is required under present scope of work. 3) Please confirm that there would be Single circuit line between new proposed 132/33kV Bangura Substation & existing Baghabari Substation. 4) We understand that other end i.e existing Baghabari Substation is RTU based and extension of 1 Bay from new proposed 132/33kV Bangura Substation is covered under present scope. 5). Please confirm the other end Telecommunication equipment i.e existing Baghabari Substation end is covered under presnet scope.	1 Approximately 25 km 2 Yes 3 Approximately 25 km of 132 kV single circuit transmission line on double circuit towers from the existing 132/33 kV Substation Baghabari to the new 132/33 kV Substation Bangura. 4. Yes All other ends have to be covered from tele-communication point of view 5. Yes All other ends have to be covered from tele-communication point of view
231.	Volume-2: 1. Scope of Work & Drawings forming Part of Specification 1.2.3 Extension of the Existing 132/33 kV Substation Baghabari	

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	1) We understand that 132/33 kV Mithapukur Substation will be LILO between existing 132/33kV Palashbari&existing 132/33kV Rangpur Substation. 2. In order to design the system, we request you to please confirm the distance between new proposed 132/33 kV Mithapukur Substation & existing Palashbari&existing 132/33kV Rangpur Substation. 3) Please confirm that new proposed 132/33 kV Mithapukur Substation would be SAS based and no RTU is required under present scope of work. 4) Please confirm that there would be double circuit line between new proposed 132/33 kV Mithapukur Substation & existing Palashbari&existing 132/33kV Rangpur Substation. 5) We understand that other end i.e existing Palashbari&existing 132/33kV Rangpur Substation is RTU based and extension of 2 Bays each at existing Palashbari&existing 132/33kV Rangpur Substation from new proposed 132/33 kV Mithapukur Substation is covered under present scope. 6). Please confirm the other end Telecommunication equipment i.e existing Palashbari&existing 132/33kV Rangpur Substation is covered under present scope.	1 Yes 2 Information can't be provided in the moment. The Employer will provide information to selected Bidder Bidders are advised to conduct site visits and inform themselves. The Employer may arrange necessary permissions, if requested by the Bidders. 3 Yes 4 Yes 5 Yes 6 Yes All other ends have to be covered from tele-communication point of view All other ends have to be covered from tele-communication point of view
	CRP & SAS	
232.	Vol 3 Schedule 2 item no. I. G, III. G, V. G CRP for 220kV Bus coupler not specified in price schedule. Please include CRP for 220kV or 132kV Bus coupler feeder in price schedule.	We don't understand your question Control & Protection of Bus Couplers is included as G.3.1. or G.3.2. as Control, Protection and SAS for 230 kV or 132 kV Busbars, respectively
233.	General 33kV Auxiliary transformer feeders. Please specify the control, metering and protection requirements of 33kV Auxiliary transformer feeders.	The Bidder has to follow Tender requirement. But, the Bidder also has to follow PGCB's standard and to provide appropriate solution The Selected Bidder has to provide detail design and detail calculation of complete facilities, which will be subject of

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234.	Vol. 2 Cl. No. 5.26 Tariff metering panel We understand that Main-1 & Main-2 energy meter of more than one bay can be accommodated in Tariff metering panel based on the space availability. Please confirm our understanding.	PGCB's final approval. Employer's final approval. Yes The Bidder has to follow PGCB's standard and to provide appropriate solution The Selected Bidder has to provide detail design and detail calculation of complete facilities, which will be subject of Employer's final approval.
235.	General Line bay Protection We have considered Distance protection in all 220kV and 132kV line bays considering line length as more than 5 KM. Line differential protection is not envisaged. Please confirm.	Only general answer The Bidder has to follow Tender requirement. But, the Bidder also has to follow PGCB's standard and to provide appropriate solution The Selected Bidder has to provide detail design and detail calculation of complete facilities, which will be subject of Employer's final approval.
236.	General Telecommunication network drawing Please furnish the Telecommunication network Architecture indicating the connection between 220kV and 132kV system substations under this package.	Please refer to the tender drawing.
Extension of existing 220/132kV Substation at Rajshahi		
237.	Vol 2 Cl. No. 5.8.1 Vol 3 Schedule 2 item no. I. GS.1 220kV Distance protection in main scope but line differential relay specified in mandatory spares. As per specification Main-1 Main-2 distance protection relay to be provided in 220kV line bays whereas in mandatory spares, Main-1 line differential relay requirement is mentioned. Please note that Line differential relay under mandatory spares in not considered	No comment

SL No.	Bidder's Query	PGCB's Reply
238.	Vol 3 Schedule 2 item no. I. G CRP for 220kV Bus coupler not specified in price schedule. Please include CRP for 220kV Bus coupler feeder in price schedule.	We don't understand your question Control & Protection of Bus Couplers is included as G.3.1. or G.3.2. as Control, Protection and SAS for 230 kV or 132 kV Busbars, respectively
239.	Vol. 2 Cl. No. 5.9.1 220kV Busbar protection We have considered Single set of de-centralized low impedance busbar protection for 220kV feeders in line with protections indicated in furnished SLD. Bay unit is considered for feeders under present scope of work. Future bay peripheral unit (bay unit) is not envisaged. However, Central unit shall be suitable for catering to future bay requirements.	Yes
240.	Vol. 2 Cl. No. 1.2.1 Extension of existing SAS for 220kV system Please furnish the make of existing SAS/RTU/SCADA system at Rajshahi S/S for consideration of extension of same for 220kV bays under present scope of works. Integration of any existing 132/33kV feeders to this SAS is not envisaged in bidder's scope.	Yes, your understanding is correct. 132kV part of Rajshahi Substation is under construction by separate contract. SAS system for 132KV part including two 132kV incomer bays of 225/300MVA transformer is not required to be provided under this contract No, Bidder has to provide complete SAS for 230 kV substation which shall be incorporated with the and to connect and incorporate new SAS to/with existing SAS. The existing 132kV SAS and protection will be supplied from ABB, Switzerland under separate contract.
241.	Tariff metering We understand that offered tariff meters in separate metering panel shall be integrated to respective feeder BCU (i.e. Line and ICT bay) for further interface with existing SAS. Please confirm our understanding.	Your understanding is partly correct Metering is separate and this is part of BCU Tariff metering is separate and tariff metering is not part of BCU, but has to be connected on the requested way.




SL No.	Bidder's Query	PGCB's Reply
	Incase separate metering PC is to be considered then please specify the same in price schedule under tariff metering item.	
242.	Vol. 2 Cl. No. 1.2.1 33kV switchgear at Rajshahi We have not considered any works related to 33kV switchgear in present scope of works as the same is not mentioned in specification.	You have to consider. 33 kV equipment is for tertiary purpose to connect two 33/415kV earthing transformer. SLD is already provided The Bidder has to consider all Tender drawings as preliminary and for Tender purpose only. All dimensions are preliminary and general. Not all equipment is shown. Details are not shown at all. The Selected Bidder has to provide detail design and detail calculation of complete facilities The Selected Bidders has to provide detail drawings as well as all other documents, which will be subject of Employer's final approval
243.	Vol. 2 Cl. No. 1.2.1 132kV side CT/other inter-trip cables not in bidder's scope All the cables related to protection relay and inter-trip between 220kV and 132kV Transformer protection panel and 132kV CT/PT is excluded from bidder's scope as 132kV side of transformer feeder is not in bidder's scope.	Your understanding is partly correct. 132 kV main equipment (like CTs or primary connections) is not in the scope But, Control & Protection are in the scope, together with secondary connections (like cables) and related services (installation, testing, commissioning...)
New 132/33kV Substation at Bangura		
244.	PGCB/KTW/2012.66.436/SSNZ/2.1 Rev 0 Vol. 2 Cl. No. 1.2.2 Mismatch in 33kV level no. of future bays in SLD and specification. As per Bangura SLD 6 nos. of 33kV bays to be considered under future however as per specification, 8 nos. of future bays are to be considered. Please clarify the actual requirement.	33 kV Switchgear 1 main busbars, divided at two sections by disconnecter, 2 transformer bays, 2 auxiliary transformer bays 8 future bays (6 from one side and 2 from other side)
245.	Vol. 2 Cl. No. 1.2.2	The Bidder has to follow Tender requirement.

SL No.	Bidder's Query	PGCB's Reply
	33kV switchgear control, metering and protection Please furnish control, metering and protection requirement of 33kV switchgear feeders.	Control, Protection and Metering 33 kV has to be provided only for equipped bays: 2 transformer bays, 2 auxiliary transformer bays
246.	Vol 3 Schedule 2 item no. III. G6.X New SAS for 132/33kV system We have considered new SAS for 132kV and 33kV bays under present scope of works. Any existing SAS/RTU integration is not envisaged in bidder's scope.	Yes
247.	Vol 3 Schedule 2 item no. III. DFDR not mentioned in price schedule Please include the supply of DFDR system as a separate line item in bid price schedule of Bangura SS.	DFDR is only for Rajshahi substation. There is no DFDR in Bangura substation.
248.	Vol 2 Cl. No. 5.8.1 Vol 3 Schedule 2 item no. III. GS.2 132kV Distance protection with backup O/C & E/F protection relay in main scope but line differential relay specified in mandatory spares. As per specification Main-1 distance protection relay and backup O/C & E/F protection relay to be provided in 132kV line bays whereas in mandatory spares, line differential relay requirement is mentioned. Please note that Line differential relay under mandatory spares in not considered.	No comment
249.	Vol. 2 Cl. No. 5.9.1 132kV Busbar protection We have considered Single set of de-centralized low impedance busbar protection for 132kV feeders in line with protections indicated in furnished SLD. Bay unit is considered for feeders under present scope of work. Future bay peripheral unit (bay unit) is not envisaged.	Yes

SL No.	Bidder's Query	PCGB's Reply
	However, Central unit shall be suitable for catering to future bay requirements.	
Extension of existing 132/33kV Substation at Baghabari		
250.	Vol. 2 Cl. No. 1.2.3 Control, protection and metering system not envisaged We understand that supply of any switchgear item is not in bidder's scope at Baghabari substation. Also, control, protection and metering system is already available for indicated 132kV Line to Bangura-1. Thus, we have not considered any relay, meter supply in present scope of works.	Yes
251.	Vol. 2 Cl. No. 1.2.3 Substation automation/ RTU system / DFDR We have not envisaged any augmentation works in existing SAS/RTU /DFDR system in present scope of works.	Yes
New 132/33kV Substation at Mithapukur		
252.	Vol 3 Schedule 2 item no. V DFDR not mentioned in price schedule Please include the supply of DFDR system as a separate line item in bid price schedule of Mithapukur SS.	DFDR is only for Rajshahi substation. There is no DFDR in Bangura substation.
253.	Vol 3 Schedule 2 item no. V. G6.X New SAS for 132/33kV system We have considered new SAS for 132kV and 33kV bays under present scope of works. Any existing SAS/RTU integration is not envisaged in bidder's scope.	Yes
254.	Vol. 2 Cl. No. 5.9.1 132kV Busbar protection We have considered Single set of de-centralized low impedance busbar protection for 132kV feeders in line with protections indicated in furnished SLD. Bay unit is considered for feeders under present scope of work. Future bay peripheral unit (bay unit) is not envisaged.	Yes



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SL No.	Bidder's Query	PGCB's Reply
	However, Central unit shall be suitable for catering to future bay requirements.	
FIRE FIGHTING & AC SYSTEM		
EXTENSION OF NEW 220/132 KV AIS RAJSAHI		
255.	Fire Protection & Detection system We understand that Only NIFPS system ---2 Set to be considered for Power Transformer Fire protection system as per Tender Bid Price schedule. Pl. confirm our understanding.	Yes, your understanding is correct, if we are talking about the Fire Protection of the Power transformer itself.
256.	We understand that HVWS spray system & Hydrant system, Fire Plumbing system, Fire Pump House & Fire water storage Tank is totally excluded from Bidder scope of work as per Tender Bid Price schedule----- Pl. confirm our understanding.	Yes
257.	We understand that Fire Detection system is totally excluded from Bidder scope of work as per Bid price schedule ----- Pl. confirm our understanding.	No, your understanding is not correct. Fire detection has to be provided for required scope
258.	Portable Fire extinguisher is not reflected in the Tender Bid price schedule however It is reflected in the clause no 12.6.1&12.6.2 (page no 268 of 382) of BGD-1800-NZSS-Volume-2 and Extinguisher qty is given in the clause no 12.6.1&12.6.2 (page no 268 of 382) of BGD-1800-NZSS-Volume-2. Pl kindly confirm Fire Extinguisher is required or not ?	Yes, Fire Protection is in the scope
259.	Air conditioning, Ventilation System We understand that Air conditioning & Ventilation system is required only for Control Building as per Bid Price schedule & clause no /section 13.30 Air Conditioning and Ventilation BGD-1800-NZSS-Volume-2. ----- Pl. confirm our understanding.	Air condition has to be provided for all control buildings
260.	We understand that Ductable Split AC with Ceiling suspended AHU/Indoor unit & Air cooled Condensing unit to be considered for Air	Air condition has to be provided for all control buildings

SL No.	Bidder's Query	PGCB's Reply
	conditioning system of Control & Relay Protection room only with out any Stand by AC as per clause no /section 13.30 Air Conditioning and Ventilation BGD-1800-NZSS-Volume-2 .----- Pl. confirm our understanding.	
261.	We understand that Hiwall split AC with outstandby is required for office room, Telecommunication/ Scadda room & AC 6 DC Auxiliary Power Supply room.--- Pl. confirm our understanding.	Air condition has to be provided for all control buildings
262.	As per clause no 13.30.2 (Heating) page no 303 of 405 of section 13.30 Air Conditioning and Ventilation BGD-1800-NZSS-Volume-2 it is mentioned that Winter Electrical heating is required However it is not reflected in the Bid Price schedule & As per Bangladesh weather Room heating is not required. Pl. confirm winter heating system is required or not?	Yes, winter heating system is not required.
263.	If heating is required in the Room for Room heating, then Heater type shall be room heater or duct mounted Strip heater type. Pl.confirm the type of heater.	Winter heating system is not required.
132/33 KV AIS BAGHABARI EXTENSION		
264.	Fire Protection & Detection system We understand that Fire protection & Detection system is totally excluded from Bidder scope of work. Pl.confirm our understanding.	Yes
265.	Air conditioning, Ventilation System We understand that Air conditioning & ventilation system is totally excluded from Bidder scope of work. Pl. confirm our understanding.	Yes
132/33 KV AIS MITHAPUKUR NEW		
266.	Fire Protection & Detection system We understand that Only HWS Spray system ----2 Set to be considered for Power Transformer Fire protection system as per Tender Bid Price schedule. Pl. confirm our understanding.	Yes, your understanding is correct, if we are talking about the Fire Protection of the Power transformer itself
267.	Air conditioning, Ventilation System	Air condition has to be provided for all control buildings

SL No.	Bidder's Query	PGCB's Reply
	We understand that Air conditioning & Ventilation system is required only for Control Building as per Bid Price schedule & clause no /section 13.30 Air Conditioning and Ventilation BGD-1800-NZSS-Volume-2. ----- Pl. confirm our understanding.	
268.	We understand that Fire Detection system is totally excluded from Bidder scope of work as per Bid price schedule ----- Pl. confirm our understanding.	No, your understanding is not correct. Fire detection is part of the Fire protection system
269.	Portable Fire extinguisher is not reflected in the Tender Bid price schedule however It is reflected in the clause no 12.6.1&12.6.2 (page no 268 of 382) of BGD-1800-NZSS-Volume-2 and Extinguisher qty is given in the clause no 12.6.1&12.6.2 (page no 268 of 382) of BGD-1800-NZSS-Volume-2. Pl kindly confirm Fire Extinguisher is required or not ?	Yes, required.
270.	We understand that Ductable Split AC with Ceiling suspended AHU/Indoor unit & Air cooled Condensing unit to be considered for Air conditioning system of Control & Relay Protection room only with out any Stand by AC as per clause no /section 13.30 Air Conditioning and Ventilation BGD-1800-NZSS-Volume-2. ----- Pl. confirm our understanding.	Air condition has to be provided for all control buildings
271.	We understand that Hiwall split AC with outstandby is required for office room, Telecommunication/ Scadda room & AC 6 DC Auxiliary Power Supply room. --- Pl. confirm our understanding.	Air condition has to be provided for all control buildings
272.	As per clause no 13.30.2 (Heating) page no 303 of 405 of section 13.30 Air Conditioning and Ventilation BGD-1800-NZSS-Volume-2 it is mentioned that Winter Electrical heating is required However it is not reflected in the Bid Price schedule & As per Bangladesh weather Room heating is not required. Pl. confirm winter heating system is required or not?	Winter heating system is not required.
273.	If heating is required in the Room for Room heating, then Heater type shall be room heater or duct mounted Strip heater type. Pl.confirm the	Winter heating system is not required.

 

SL No.	Bidder's Query	PGCB's Reply
	type of heater.	
CIVIL		
Extension of the New 230/132 kV Substation Rajshahi		
274.	BGD-1800-NZSS-Volume-2 Page No: 3, Clause No 1.2.1 It has been mentioned that "The approximate total area of the substation is 15 acres. The approximate required 230 kV switchyard part is 10 acres" We understand bidder's scope of work for Land Development is limited up to only the 230 kV Switchyard part. Kindly confirm.	Yes, your understanding is correct.
275.	BGD-1800-NZSS-Volume-2 BPS 1.L2X Page No: 3, Clause No 1.2.1	132kV part of Rajshahi Substation is under construction by separate contract Prospective bidders are advised to consider security boundary wall around the periphery of 10 acre land under this contract and internal fence around the 230 kV switchyard.
	Drq No. PGCB/KFW/2012.66.436/SSNZ/1.2 At clause no 1.2.1, it has stated that "part of the security boundary wall" is in bidder's scope. However, the same has not been mentioned at BPS, also in provided tender layout drawing, it has been mentioned as "Boundary wall is not in the scope of work". The statements are contradictory. Please clarify the actual requirement.	
276.	BGD-1800-NZSS-Volume-2	No, your understanding is not correct.

SL No.	Bidder's Query	PGCB's Reply
	BPS Item No: I.L3.X Page No: 3, Clause No 1.2.1 From item at referred clause 1.2.1 and BPS, we understand that "complete civil works and facilities for extension of existing control building, including finishing works like rendering, colour, floor finishing, etc., " is limited only up to Extension portion only. Bidder has no scope of civil work and responsibility for the existing portion of the Control room building for any item/activities. Kindly confirm.	The Bidder is responsible for its own part of works. For example: if the Bidder has to make a drilling during installation works, it is his responsibility to perform the finishing works. However, extension of Control building is not required; there is adequate space to accommodate the new panels.
277.	General In continuation of the above, please mark the exact location of the Control room at drawing no PGCB/KfW/2012.66.436/SSNZ/1.2. Also provide the Layout /Plan, Sectional details drawings of the existing Control room.	132kV part of Rajshahi Substation is under construction by separate contract The control building is also under construction The Bidder can find at the provided Layout, in the right-up corner, the approximate position of the control building. The Bidder has to consider all Tender drawings as preliminary and for Tender purpose only.
Extension of the Existing 132/33 kV Substation Baghabari		
278.	BGD-1800-NZSS-Volume-2 Page No: 4, Clause No 1.2.3 Mentioned scope at Baghabari SS is including with 'associated Civil work'. However, we could not find any line item related to Civil work at BPS. If Civil work is in Bidder's scope, kindly amend the BPS accordingly.	Your understanding is correct, Civil work is not required in Baghabari substation.
Common		
279.	BGD-1800-NZSS-Volume-2 Tender Layout	Yes, The Bidder has to consider all Tender drawings as preliminary and for Tender purpose only. All dimensions are preliminary and

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SL No.	Bidder's Query	PGCB's Reply
	General We understand that, Bidder's scope of Civil work for Gantry and Equipment foundation including supply and erection of structure of various Voltage Levels are limited only up to Present bays in scope only at every substation.	general. Not all equipment is shown. Details are not shown at all. Final solution has to be defined during design stage The Selected Bidder has to provide detail design and detail calculation of complete facilities The Selected Bidders has to provide detail drawings as well as all other documents, which will be subject of Employer's final approval.
280.	Kindly Confirm BGD-1800-NZSS-Volume-2 Page No: 8 & 9, Clause No 1.5 We understand that, all details provided at clause no 1.5 i.e. Climatic Conditions are applicable for all substations.	Yes
281.	Please confirm. BGD-1800-NZSS-Volume-2 Buildings and Civil Engineering Works Page No: 220, Clause No 12.1.3 With respect to the mentioned clause no 12.1.3, kindly provide the HFL detail based upon historical data up to till date for individual substation for correct assumption of tender engineering.	This is in the selected Bidder responsibility. The prospective bidders are requested to collect HFL details by themselves for bidding purposes.
282.	General In continuation of the above, please provide the contour survey report of the individual substations.	This is in the selected Bidder responsibility
283.	General In Continuation of the above, also provide the FGL of the respective Substations including the FFL.	Finished Ground Level (FGL) shall be 500mm higher than the HFL or nearest public road whichever is higher.
284.	BGD-1800-NZSS-Volume-2 Buildings and Civil Engineering Works Page No: 224, Clause No 12.3.1	0.2G

SL No.	Bidder's Query	PGCB's Reply
	Page No: 8, Clause No 1.5 As per Clause no 12.3.1, it has mentioned that "All buildings shall be reinforced by a reinforced concrete frame which shall be capable of resisting a horizontal earthquake force of 0.2G." However, at clause no 1.5 - Climatic condition the same has been mentioned as "The project area is a designated zone of moderate earthquake intensity. The seismic factor is 0.1 g." Both are contradictory. Kindly provide exact data.	
285.	BGD-1800-NZSS-Volume-2 Buildings and Civil Engineering Works Page No: 226, Clause No 12.3.2.a Please specify what type of foundation adopted, if depth of filling above 3Mtr and soil investigation report recommends for open foundation? In addition, also specify what type of methodology to be adopted to reduce cost from LOT item, if Pile foundation not required?	Your understanding is partly correct. Foundations will be defined according to the Soil investigation report, but the Bidder has to assume piled foundations as preferable. Final solution has to be defined during design stage The Selected Bidder has to provide detail design and detail calculation of complete facilities The Selected Bidders has to provide detail drawings as well as all other documents, which will be subject of Employer's final approval.
286.	BGD-1800-NZSS-Volume-2 Buildings and Civil Engineering Works Page No: 229, Clause No 12.3.2 It has been mentioned that, "The tops of all foundations shall terminate 200 mm. above site average finished surface level for new Substation". We understand that, 'Site average finished surface level' stands for the top level of the Gravel. Kindly confirm.	Your understanding is partly correct and this requirement has to be considered as minimum requirement. Final solution will depend of the situation. Final solution has to be defined during design stage The Selected Bidder has to provide detail design and detail calculation of complete facilities The Selected Bidders has to provide detail drawings as well as all other documents, which will be subject of Employer's final approval.

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SL No.	Bidder's Query	PGCB's Reply
287.	BGD-1800-NZSS-Volume-2 Buildings and Civil Engineering Works Page No: 231, Clause No 12.3.4 We understand, as per the said clause, site surfacing is applicable for the present bays area only. For future areas scope is limited to land development only. Please confirm.	Yes
288.	BGD-1800-NZSS-Volume-2 Buildings and Civil Engineering Works Page No: 231, Clause No 12.3.4 In continuation to above we understand, earth mat shall be laid and gravel spreading is limited to 1m beyond the last gantry/equipment foundation of present scope only and applicable for all substations. Kindly confirm.	No, your understanding is not correct Earthing is specific and the arrangement of the earth grid will depend of the situation. Final solution has to be defined during design stage The Selected Bidder has to provide detail design and detail calculation of complete facilities The Selected Bidders has to provide detail drawings as well as all other documents, which will be subject of Employer's
289.	BGD-1800-NZSS-Volume-2 Buildings and Civil Engineering Works Page No: 231, Clause No 12.3.5 We understand access road outside the site boundary to connect to any adjacent public road or waterway is in bidder scope. However, length of access road has not been defined in tender specification/drawing/price schedule. Please specify the length of the access road substation wise to be considered in scope.	Yes, access roads are in the selected Bidder's scope Bidders are advised to conduct site visits and inform themselves. The Employer may arrange necessary permissions, if requested by the Bidders.

SL No.	Bidder's Query	PGCB's Reply
290.	BGD-1800-NZSS-Volume-2 Buildings and Civil Engineering Works Page No: 232, Clause No 12.3.5 Reference Drawings of 'hard standing car port' has not been attached with tender documents. Hence, requesting you to provide the same for ease of tender engineering as per the requirement and practice of PGCB.	The Bidder has to consider all Tender drawings as preliminary and for Tender purpose only. All dimensions are preliminary and general. Not all equipment is shown. Details are not shown at all. The Selected Bidder has to provide detail design and detail calculation of complete facilities The Selected Bidders has to provide detail drawings as well as all other documents, which will be subject of Employer's final approval
291.	BPS BGD-1800-NZSS-Volume-2 III.L3.X - Bangura SS III.L3.X - Baghabari SS Page No: 233, Clause No 12.3.6 At both Substation's BPS it has mentioned that Pump House including Reservoir is in scope. However, we could not found any details at specification related to Pump house and reservoir. Also, we understand that reservoir calls for construction of 1800 lit tank which has been described at clause no 12.3.6. Kindly confirm.	Information can't be provided in the moment. The Employer will provide information to selected Bidder The Bidder has to consider all type of Fire protection systems
292.	Page No: 233, Clause No 12.3.6 In addition to the above, we understand that, where town's supply is not available bidder has to make arrangement of tube well. Requesting you to provide the names of the substations where town supply is available for assessment of tender engineering.	Information can't be provided in the moment. Bidders are advised to conduct site visits and inform themselves. The Employer may arrange necessary permissions, if requested by the Bidders.
293.	BGD-1800-NZSS-Volume-2 Buildings and Civil Engineering Works Page No: 234, Clause No 12.3.9	We don't understand your question. However detail design and working procedure including building finishing works shall be submitted by the EPC contractor and will be finalized at the time of execution.

SL No.	Bidder's Query	PGCB's Reply
	As per said clause, bidder must follow 'finishing schedule' required for Control Room. However, the same is missing at Civil Specification. Please provide detail schedule of finishes as per standard/ requirement of PGCB.	
294.	BGD-1800-NZSS-Volume-2 Buildings and Civil Engineering Works Page No: 236, Clause No 12.3.13 In all tender attached layout drawing, fencing has not been indicated. Please confirm the requirement and mark the exact area to be fenced with internal gate.	The Bidder has to consider all Tender drawings as preliminary and for Tender purpose only. All dimensions are preliminary and general. Not all equipment is shown. Details are not shown at all. The Selected Bidder has to provide detail design and detail calculation of complete facilities The Selected Bidders has to provide detail drawings as well as all other documents, which will be subject of Employer's final approval
295.	BGD-1800-NZSS-Volume-2 Buildings and Civil Engineering Works Page No: 236, Clause No 12.3.13 In continuation to the above, if the fencing is in bidder's scope, we understand that the scope of fencing work is applicable for new substations only. For existing substations, we assume, fence is already available for proposed bay locations and construction of new fence is not applicable for extension substation. Please confirm.	Your understanding is partly correct. Depending on the situation, some works may be necessary Bidders are advised to conduct site visits and inform themselves. The Employer may arrange necessary permissions, if requested by the Bidders. The Bidder has to consider all Tender drawings as preliminary and for Tender purpose only. All dimensions are preliminary and general. Not all equipment is shown. Details are not shown at all. The Selected Bidder has to provide detail design and detail calculation of complete facilities The Selected Bidders has to provide detail drawings as well as all other documents, which will be subject of Employer's final approval
296.	BGD-1800-NZSS-Volume-2 Buildings and Civil Engineering Works Page No: 240, Clause No 12.3.22	Your understanding is partly correct. Yes carriage way has to be provided, but has to spread over the complete internal road, not only up to the edge. Actually, it has to be up to other edge

SL No.	Bidder's Query	PGCB's Reply
	Referring the said clause, we understand that bidder has to provide carriage way with rail connected with bases for all transformers. We also understand that, carriage way for transformers to be constructed only up to the edge of the adjacent switchyard internal road. Please confirm.	
297.	BGD-1800-NZSS-Volume-2 Buildings and Civil Engineering Works Page No: 240, Clause No 12.3.23 We assume that bidder can design RCC framed structure with 200mm thk. Blast wall (as per tech. spec. 10.3.23) with first class normal clay brick. Please confirm	The Bidder has to follow Tender requirements The Bidder has to follow standard PGCB's practice The Selected Bidder has to provide detail design and detail drawings as well as all other documents, which will be subject of Employer's final approval
298.	BGD-1800-NZSS-Volume-2 Buildings and Civil Engineering Works Page No: 240, Clause No 12.3.27 Kindly provide / suggest the Names of vendors/local manufacturers for Concrete Reinforcement approved at PGCB.	Information can't be provided in the moment. The Employer will provide information to selected Bidder
299.	BGD-1800-NZSS-Volume-2 Buildings and Civil Engineering Works Page No: 243, Clause No 12.3.28 We could not find any rendering/plastering details regarding Inside of any building and also for the ceiling plastering/rendering.	The Bidder has to follow Tender requirements The Bidder has to follow standard PGCB's practice Information can't be provided in the moment. The Employer will provide information to selected Bidder The Selected Bidder has to provide detail design and detail drawings as well as all other documents, which will be subject of Employer's final approval




SL No.	Bidder's Query	PGCB's Reply
	Requesting you to provide the details (Thickness of the plaster whether 6 mm, 12 mm, 15 mm, 20 mm and grade of the mortar whether 1:3, 1:4, 1:5, 1:6) for Inside plastering and ceiling plastering both.	
300.	General In price schedule, we could not find any item related to dismantling work at extension substations. Hence, we understand that any kind of dismantle works is not in bidder's scope. Please confirm.	No All necessary works have to be included in the contract price, including dismantling works, if any
301.	Clause ITB 24.1 Deadline for bid submission: Consideration that nearly one month shall be required for issuing a bank guarantee and the other time required for its confirmation by a correspondent bank registered in your country pursuant to ITB 21.9, it is kindly requested that the deadline for bid submission can be extended for at least another month.	The deadline for submission has already been extended up to 16.02.2017.
302.	Clause ITB 24.1 It is kindly requested that the honored you can provide us the information on the custom duties and taxes, VAT and other duties and taxes related to such project which shall be levied in Bangladesh so as to facilitate our quotes.	The Bidder has to follow Tender requirements Information can't be provided in the moment. The Bidder has to inform itself
303.	Clause ITB 24.1 Please provide us the Bangladesh National standard system, including geotechnical investigation specifications, foundation design specifications and codes for design of the power industry.	The Bidder has to inform itself
304.	Clause ITB 24.1	The Bidder has to inform itself

SL No.	Bidder's Query	PGCB's Reply
	Please provide us the distribution of activity faults in Bangladesh, seismic zoning and code or standard for seismic design of building structures; Earthquake acceleration values and characteristics cycle, seismic intensity; Regional seismic briefings;	
305.	Clause ITB 24.1 Please provide us the groundwater level, water quality and corrosive conditions in the areas of substations. How about Bangladesh geological laboratory? Can you provide the telephone number or E-mail for our convenience?	The Bidder has to inform itself
306.	Clause ITB 24.1 Is PGCB fully responsible for all the land development for new substations or existing substations and the relevant compensation? What standard is referred to when the Contractor pay compensation to the owners/tenants for damages of crops, trees and houses if such compensation must be done by the Contractor?	Land is available
307.	Clause ITB 24.1 Can the parameters of equipments listed in the bidding document be changed or not?	The Bidder has to follow Tender requirements
308.	Clause ITB 24.1 Can the equipments listed in the bidding document be cancelled or not?	The Bidder has to follow Tender requirements
309.	Clause ITB 24.1 Is the cable room in the two-story control room building used for high voltage power cable or only for low voltage control cable?	Both
310.	Clause ITB 24.1 Where does the domestic water in the new substation come from? Running water system or the well?	Information can't be provided in the moment. The Employer will provide information to selected Bidder The Bidder has to consider all possibilities Bidders are advised to conduct site visits and inform themselves. The Employer may arrange necessary permissions, if requested

SL No.	Bidder's Query	PGCB's Reply
311.	Clause ITB 24.1 Are some reactive compensation equipments necessary in the new substation?	The Bidder has to consider all Tender drawings as preliminary and for Tender purpose only. All dimensions are preliminary and general. Not all equipment is shown. Details are not shown at all. The Selected Bidder has to provide detail design and detail calculation of complete facilities The Selected Bidders has to provide detail drawings as well as all other documents, which will be subject of Employer's final approval
312.	Clause ITB 24.1 As for the extension of the existing 132/33 kV substation Gallamari, the busbarearthing switches in the GIS must be shifted if the position of busbarearthing switches are reasonable?	Yes
Rajshahi		
313.	Volume 2 of 3 Drawing number: PGCB/KW/2012.66.436/SSNZ/1.2 No control room building location has been shown in layout. Please provide revised layout drawing. Also provide existing control room layout.	132kV part of Rajshahi Substation is under construction by separate contract One control building has been foreseen The Bidder can find at the provided Layout, in the right-up corner, the approximate position of the control building. Information can't be provided in the moment. The Employer will provide information to selected Bidder
314.	Volume 2 of 3 General We understand that main earthmat laying/illumination/DSL.P is to be executed for our scope of work area only & is not to be executed for future bays area. Please confirm	132kV part of Rajshahi Substation is under construction by separate contract Bidder has to provide the complete new earthing grid for 230 kV part of substation (shown on the drawing) and all necessary connections to other part of the substation
315.	Volume 2 of 3 General We understand that Line side Insulator hardware for conductor & shield	Yes



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SL No.	Bidder's Query	PGCB's Reply
316.	wire is not under present scope. Please confirm Volume 2 of 3 General Please provide us existing Control room building general arrangement drawing.	132kV part of Rajshahi Substation is under construction by separate contract One control building has been foreseen The Bidder can find at the provided Layout, in the right-up corner, the approximate position of the control building. Information can't be provided in the moment. The Employer will provide information to selected Bidder
317.	Volume 2 of 3 General We understand that connection of 132KV bushing of 230/132/33KV trafo to 132KV switchyard is not under present scope. Please confirm.	132kV bay equipment installation including control protection of 132kV incomers bays are under construction in separate contract. However 132kV side overhead connection from 300MVA transformer bushing to 132kV gantry or 132kV bay equipment which is applicable shall be under scope of this contract. Integration with all sorts of secondary connection of 132kV bay equipment for commissioning including control & protection shall also be under scope of this contract.
318.	Volume 2 of 3 Drawing number : PGCB/KfW/2012.66.436/SSNZ/1.2 Scope of work includes part of security boundary wall around 230kV substation. However, layout shows boundary wall is not in scope of work. Please clarify.	132kV part of Rajshahi Substation is under construction by separate contract Prospective bidders are advised to consider security boundary wall around the periphery of 10 acre land under this contract and internal fence around the 230 kV switchyard.
319.	Volume 2 of 3, Volume 3 of 3 Drawing number : PGCB/KfW/2012.66.436/SSNZ/1.4, GTP 5.2.1.6 VA specification of core 1 of current transformer is specified as 5 VA in SLD whereas 10 VA in GTP. Please clarify.	Please, follow Volume 3, Schedule E, item 5.2.1.6. Rated power of the first core has to be: 10 VA
320.	Volume 2 of 3, Volume 3 of 3 GTP 5.2.1.8, Schedule 1 : A4 GTP specifies CVT core 2 class as 1/3P, however price schedule specifies as 3P. Please clarify.	Please, follow Volume 3, Schedule E, item 5.2.1.8. Accuracy class of second wing has to be: 1/3P
321.	Volume 2 of 3, Volume 3 of 3	Yes




SL No.	Bidder's Query	PGCB's Reply
	Technical specification: 14.1, Schedule 1 : 1H3.X According to the specification, there is a difference between the number of fibre optic cores of a 132kV and 230kV line. - 48 cores for a 230kV lines - 24 cores for a 132kV line. Please clarify.	
322.	Volume-2, Page-8, 1.2.1 (1L1.X), Civil Works, Control Building and Foundations, Required 230 kV switchyard area as shown in the bid drawing by cutting, land filling, compacting up to suitable level. Our Query as following: From bid drawing no. PGCB/KfW/2012.66.436/SSNZ/1.2, the required area of filling for 230 kV switchyard can not be understood. Please supply the drawing of plot that will require for filling with length, width, height for proper calculation of Filling Volume & also Slope.	132 kV part of Rajshahi Substation is under construction by separate contract The Bidder has to follow the Tender's requirements. The Civil design and backfilling has to consider and incorporate protection measures against flooding. The sufficient ground level height for land formation is required at the Contractor's responsibility and will be subject of Employer's approval.
323.	Volume-2, Page-8, 1.2.1 (1L2.X), Civil Works, Control Building and Foundations, Part of the Security Boundary Wall around the required 230 kV switchyard Our Query as following: In the Tender Layout Drawing no. PGCB/KfW/2012.66.436/SSNZ/1.2 it is mentioned that the that boundary wall is not in the scope of work. please clarify the whether the boundary wall shall be required or not.	Rajshahi Substation is under construction by separate contract. The Bidder has to provide part of the security boundary wall around the required 230 kV switchyard and internal fence around the 230 kV switchyard
324.	Volume-2, Page-8, 1.2.1 (1L2.X), Civil Works, Control Building and Foundations, Internal Road Our Query as following: As per clause no. 12.3.5, the road surface shall be finished by concrete paving etc. But as per Drawing no. PGCB/KfW/2012.66.436/SSNZ/9.9, the road shall be finished by flexible pavement. Please confirm which one shall be considered.	Standard PGCB's solution has to be followed. ... Road surface shall be finished by concrete paving etc...
325.	If Access road is in the scope of work, please specify the Length & Width of Access road.	Yes, access roads are in the selected Bidder's scope Bidders are advised to conduct site visits and inform themselves.



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SL No.	Bidder's Query	PGCB's Reply
		The Employer may arrange necessary permissions, if requested by the Bidders.
326.	Volume-2, Page-8, 1.2.1 (1L3.X), Civil Works, Control Building and Foundations, Extension of existing control building including finishing works such as rendering, colour, floor finishing etc. Our Query as following: Please specify the scope of work for extension of control building and furnish the drawings for that part.	No, your understanding is not correct. The Bidder is responsible for its own part of works. For example: if the Bidder has to make a drilling during installation works, it is his responsibility to perform the finishing works.
327.	Volume-3, Schedule-B, Schedule-4, L1.X, Civil Works, Control Building and Foundations, Land Development Our Query as following: In the bid, the qty of land development is not mentioned. Kindly specify the land development qty. in CuM	The Bidder has to follow the Tender's requirement The Civil design and backfilling has to consider and has to incorporate countermeasures against flooding. The sufficient ground level height for land formation is required at the Contractor's responsibility and will be subject of Employer's approval.
328.	Volume 2 of 3, Volume 3 of 3, Drawing Number: PGCB/KfW/2012.66.436/SSNZ/7.1, Schedule 1 IJ2.X and Schedule 2 I J2.X Our Query as following: As per Single Line Diagram a converter is required "110-48V DC DC converter" whereas the price schedule specifies separate 48V DC system (2 sets). Please clarify the exact requirement. Otherwise incase 110-48V DC DC converter is required we request to provide technical specifications, Qty. and amend in the price schedule and scope of work.	One (1) lot consists of two (2) sets of 48V DC system complete with chargers and distributionswitchboard shall be designed, supplied, delivered, installed, tested and commissioned in the control building to provide all DC supplies for fibre optic multiplexer equipment for communication and protection, for all new substations respectively. Please, find new drawing
329.	Volume 2 of 3, Volume 3 of 3, Drawing Number: PGCB/KfW/2012.66.436/SSNZ/7.2, Schedule 1 and 2 Our Query as following: As per Single Line Diagram, 3kVA UPS system is required, whereas	UPS has to be considered under item K.1.X. – LV AC Power supply The Bidder has to consider all Tender drawings as preliminary and for Tender purpose only. All dimensions are preliminary and



SL No.	Bidder's Query	PGCB's Reply
	neither the price schedule nor the scope of work specifies the UPS system. Please clarify the exact requirement.	general. Not all equipment is shown. Details are not shown at all. The Selected Bidder has to provide detail design and detail calculation of complete facilities
	Otherwise incase UPS system is required, we request you to amend the price schedule with quantity and scope of work and provide technical specifications for the same.	The Selected Bidders has to provide detail drawings as well as all other documents, which will be subject of Employer's final approval
330.	Please confirm limitation of height of equipment at site (if any).	We don't understand your question
331.	Please provide technical specification of conductor/bus bar.	The Bidder has to follow Tender requirement. Conductors have to be standard conductors in Employer's network, preferably ACSR or AL tube Rated voltage, rated insulation level, rated short circuit current, rated current etc. can be find in the Tender documents Generally speaking for 230 kV: 245 kV, BIL 1050/460 kV, 50 kA, 3150 or 2000 A Generally speaking for 132 kV: 132 kV, BIL 650/275 kV, 40 kA, 2000 or 1250 A Generally speaking for 33 kV: 33 kV, BIL 170/70 kV, 25 kA, 2000 or 1600 or 1250 or 630 A
Bangura		
332.	Volume 2 of 3 General We understand that Line side Insulator hardware for conductor & shield wire is not under present scope. Please confirm	Yes
333.	Volume 2 of 3 General We understand that main earthmat laying/illumination/DSLP is to be executed for our scope of work area only & is not to be executed for future bays area. Please confirm	Yes
334.	Volume 2 of 3 Drawing number : PGCB/KAW/2012.66.436/SSNZ/2.2	The Bidder has to consider all Tender drawings as preliminary and for Tender purpose only. All dimensions are preliminary and

SL No.	Bidder's Query	PGCB's Reply
	1) We understand that 33KV main bus & jack bus will be at same height. Please confirm. 2) Please provide 33KV main bus/jack bus height in section drawings	general. Not all equipment is shown. Details are not shown at all. The Selected Bidder has to provide detail design and detail calculation of complete facilities The Selected Bidders has to provide detail drawings as well as all other documents, which will be subject of Employer's final approval
335.	Volumn-2, Page-12, 1.2.2 (1L1.X), Civil Works, Control Building and Foundations, Land development of complete swithyard area as shown in the bid drawing by cutting, land filling, compacting up to suitable level including slope protection. The approximate total area of the substation is 5 acres. Our Query as following: As per tender drawing no. PGCB/KfW/2012.66.436/SSNZ/2.2 the area of land is not 5 acres. Please supply the drawing of plot that will require for filling with length, width, height for proper calculation of Filling Volume & also length of slope protection.	The Bidder has to follow the Tender's requirement The Civil design and backfilling has to consider and has to incorporate countermeasures against flooding. The sufficient ground level height for land formation is required at the Contractor's responsibility and will be subject of Employer's approval.
336.	Volumn-2, Page-12, 1.2.2 (1L2.X), Civil Works, Control Building and Foundations, Access Road Our Query as following: Please specify the Length Width & Depth of Access road required for calculation of filling as well finishing.	Yes, access roads are in the selected Bidder's scope Bidders are advised to conduct site visits and inform themselves. The Employer may arrange necessary permissions, if requested by the Bidders.
337.	Volumn-2, Page-12, 1.2.2 (1L2.X), Civil Works, Control Building and Foundations, Security boundary wall Our Query as following: As per drawing no. PGCB/KfW/2012.66.436/SSNZ/9.6 it is understood that the boundary shall be constructed on single column footing, the existing land is too low where single column footing might not be suitable. It will be better to be constructed the boundary wall on pile. Please confirm whether the boundary wall shall be constructed on pile or not.	Your understanding is partly correct. Foundations will be defined according to the Soil investigation report, but the Bidder has to assume piled foundations as preferable. Final solution has to be defined during design stage The Selected Bidder has to provide detail design and detail calculation of complete facilities The Selected Bidders has to provide detail drawings as well as all



SL No.	Bidder's Query	PGCB's Reply
338.	Volumn-2, Page-12, 1.2.2 (1L2.X), Civil Works, Control Building and Foundations, Internal Fencing Our Query as following: Please specify the Length of Fencing otherwise specify the areas where it will require.	other documents, which will be subject of Employer's final approval. Internal fence has to clear divide the Switchgear The Bidder has to follow all technical standards The Bidder has to consider all Tender drawings as preliminary and for Tender purpose only. All dimensions are preliminary and general. Not all equipment is shown. Details are not shown at all. The Selected Bidder has to provide detail design and detail calculation of complete facilities The Selected Bidders has to provide detail drawings as well as all other documents, which will be subject of Employer's final approval
339.	Volumn-2, Page-12, 1.2.2 (1L2.X), Civil Works, Control Building and Foundations, Internal Road Our Query as following: As per clause no. 12.3.5, the road surface shall be finished by concrete paving etc. But as per Drawing no. PGCB/KFW/2012.66.436/SSNZ/9,9, the road shall be finished by flexible pavement. Please confirm whaich one shall be considered.	Standard PGCB's solution has to be followed. ... Road surface shall be finished by concrete paving etc...
340.	Volume-3, Schedule-B, Schedule-4, L1.X, Civil Works, Control Building and Foundations, Land Development Our Query as following: In the bid, the qty of land development is not mentioned. Kindly specify the land development qty. in CuM	The Bidder has to follow the Tender's requirement The Civil design and backfilling has to consider and has to incorporate countermeasures against flooding. The sufficient ground level height for land formation is required at the Contractor's responsibility and will be subject of Employer's approval.
341.	Volume 2 of 3, Volume 3 of 3, Drawing Number: PGCB/KFW/2012.66.436/SSNZ/7.1, Schedule 1J2.X:Our Query as following:As per Single Line Diagram a converter is required "110-48V DC DC converter" whereas the price schedule specifies separate 48V DC system (2 sets). Please clarify the exact requirement. Otherwise	One (1) lot consists of two (2) sets of 48V DC system complete with chargers and distributionswitchboard shall be designed, supplied, delivered, installed, tested and commissioned in the control building to provide all DC supplies for fibre optic multiplexer equipment for communication and protection, for all new

SL No.	Bidder's Query	PGCB's Reply
	incase 110-48V DC DC converter is required we request to provide technical specifications, Qty. and amend in the price schedule and scope of work.	substations respectively. Please, find new drawing
342.	Volume 2 of 3, Volume 3 of 3, Drawing Number: PGCB/KfW/2012.66.436/SSNZ/7.2, Schedule 1 and 2 Our Query as following: As per Single Line Diagram, 3kVA UPS system is required, whereas neither the price schedule nor the scope of work specifies the UPS system. Please clarify the exact requirement. Otherwise incase UPS system is required, we request you to amend the price schedule with quantity and scope of work and provide technical specifications for the same.	UPS has to be considered under item K.1.X. – LV AC Power supply The Bidder has to consider all Tender drawings as preliminary and for Tender purpose only. All dimensions are preliminary and general. Not all equipment is shown. Details are not shown at all. The Selected Bidder has to provide detail design and detail calculation of complete facilities The Selected Bidders has to provide detail drawings as well as all other documents, which will be subject of Employer's final approval
343.	Please confirm limitation of height of equipment at site (if any).	We don't understand your question
344.	Please provide technical specification of conductor/bus bar.	The Bidder has to follow Tender requirement. Conductors have to be standard conductors in Employer's network, preferably ACSR or AL tube Rated voltage, rated insulation level, rated short circuit current, rated current etc. can be find in the Tender documents Generally speaking for 230 kV: 245 kV, BIL 1050/460 kV, 50 kA, 3150 or 2000 A Generally speaking for 132 kV: 132 kV, BIL 650/275 kV, 40 kA, 2000 or 1250 A Generally speaking for 33 kV: 33 kV, BIL 170/70 kV, 25 kA, 2000 or 1600 or 1250 or 630 A
345.	We understand that we can change/modify the individual room size of control room building from that shown in tender CRP GA drawing without modifying overall control room building size. Please confirm	Yes, your understanding is correct The Bidder has to consider all Tender drawings as preliminary and for Tender purpose only. All dimensions are preliminary and general. Not all equipment is shown. Details are not shown at all.



SL No.	Bidder's Query	PGCB's Reply
		Final solution has to be defined during design stage The Selected Bidder has to provide detail design and detail calculation of complete facilities The Selected Bidders has to provide detail drawings as well as all other documents, which will be subject of Employer's final approval.
Miithapukur		
346.	Volume 2 of 3 General We understand that Line side Insulator hardware for conductor & shield wire is not under present scope. Please confirm	Yes
347.	Volume 2 of 3 General Please mention type of tension/suspension insulators for stringing (polymer/porcelaine/disc).	The Bidder has to follow the Tender documents The Selected Bidder has to provide detail design and detail calculation of complete facilities The Selected Bidders has to provide detail drawings as well as all other documents, which will be subject of Employer's final approval
348.	Volume 2 of 3 General We understand that main earthmat laying/illumination/DSLP is to be executed for our scope of work area only & is not to be executed for future bays area. Please confirm	Yes
349.	Volume 2 of 3 Drawing number : PGCB/KAW/2012.66.436/SSNZ/4.3 1) We understand that 33KV main bus & jack bus will be at same height. Please confirm. 2) Please provide 33KV main bus/jack bus height in section drawings	The Bidder has to consider all Tender drawings as preliminary and for Tender purpose only. All dimensions are preliminary and general. Not all equipment is shown. Details are not shown at all. The Selected Bidder has to provide detail design and detail calculation of complete facilities The Selected Bidders has to provide detail drawings as well as all other documents, which will be subject of Employer's final approval

SL No.	Bidder's Query	PGCB's Reply
350.	Volumn-2, Page-12, 1.2.4 (1L1.X), Civil Works, Control Building and Foundations, Land development of complete swithyard area as shown in the bid drawing by cutting, land filling, compacting up to suitable level including slope protection. The approximate total area of the substation is 5 acres. Our Query as following: As per tender drawing no. PGCB/KfW/2012.66.436/SSNZ/4.2 the area of land is not 5 acres. Please supply the drawing of plot of actual Land that will require for filling with length, width, height for proper calculation of Filling Volume & also length of slope protection.	The Bidder has to follow the Tender's requirement The Civil design and backfilling has to consider and has to incorporate countermeasures against flooding. The sufficient ground level height for land formation is required at the Contractor's responsibility and will be subject of Employer's approval.
351.	Volumn-2, Page-12, 1.2.4 (1L2.X), Civil Works, Control Building and Foundations, Access Road Our Query as following: Please specify the Length Width & Depth of Access road required for calculation of filling as well finishing.	Yes, access roads are in the selected Bidder's scope Bidders are advised to conduct site visits and inform themselves. The Employer may arrange necessary permissions, if requested by the Bidders.
352.	Volumn-2, Page-12, 1.2.4 (1L2.X), Civil Works, Control Building and Foundations, Internal Fencing Our Query as following: please specify the Length of Fencing otherwise specify the areas where it will be required.	Internal fence has to clear divide the Switchgear The Bidder has to follow all technical standards The Bidder has to consider all Tender drawings as preliminary and for Tender purpose only. All dimensions are preliminary and general. Not all equipment is shown. Details are not shown at all. The Selected Bidder has to provide detail design and detail calculation of complete facilities The Selected Bidders has to provide detail drawings as well as all other documents, which will be subject of Employer's final approval
353.	Volumn-2, Page-12, 1.2.4 (1L2.X), Civil Works, Control Building and Foundations, Internal Road Our Query as following: As per clause no. 12.3.5, the road surface shall be finished by concrete paving etc. But as per Drawing no. PGCB/KfW/2012.66.436/SSNZ/9.9, the road shall be	Standard PGCB's solution has to be followed. ... Road surface shall be finished by concrete paving etc...



SL No.	Bidder's Query	PGCB's Reply
	finished by flexible pavement	
354.	In the bid, the qty of land development is not mentioned. Kindly specify the land development qty. in CuM	The Bidder has to follow the Tender's requirement The Civil design and backfilling has to consider and has to incorporate countermeasures against flooding. The sufficient ground level height for land formation is required at the Contractor's responsibility and will be subject of Employer's approval.
355.	Volume 2 of 3, Volume 3 of 3, Drawing Number: PGCB/KM/2012.66.436/SSNZ/7.1, Schedule 1J2.X Our query as following: As per Single Line Diagram a converter is required "110-48V DC DC converter" whereas the price schedule specifies separate 48V DC system (2 sets). Please clarify the exact requirement. Otherwise incase 110-48V DC DC converter is required we request to provide technical specifications, Qty. and amend in the price schedule and scope of work.	One (1) lot consists of two (2) sets of 48V DC system complete with chargers and distribution switchboard shall be designed, supplied, delivered, installed, tested and commissioned in the control building to provide all DC supplies for fibre optic multiplexer equipment for communication and protection, for all new substations respectively. Please, find new drawing
356.	Volume 2 of 3, Volume 3 of 3, Drawing Number: PGCB/KM/2012.66.436/SSNZ/7.2, Schedule 1 and 2 Our query as following: As per Single Line Diagram, 3kVA UPS system is required, whereas neither the price schedule nor the scope of work specifies the UPS system. Please clarify the exact requirement.	UPS has to be considered under item K.1.X. – LV AC Power supply The Bidder has to consider all Tender drawings as preliminary and for Tender purpose only. All dimensions are preliminary and general. Not all equipment is shown. Details are not shown at all. The Selected Bidder has to provide detail design and detail calculation of complete facilities The Selected Bidders has to provide detail drawings as well as all other documents, which will be subject of Employer's final approval
357.	Otherwise incase UPS system is required, we request you to amend the price schedule with quantity and scope of work and provide technical specifications for the same.	We don't understand your question
358.	Please confirm limitation of height of equipment at site (if any). Please provide technical specification of conductor/bus bar.	The Bidder has to follow Tender requirement. Conductors have to be standard conductors in Employer's network, preferably ACSR or AL tube

SL No.	Bidder's Query	PGCB's Reply
		Rated voltage, rated insulation level, rated short circuit current, rated current etc. can be found in the Tender documents Generally speaking for 230 kV: 245 kV, BIL 1050/460 kV, 50 kA, 3150 or 2000 A Generally speaking for 132 kV: 132 kV, BIL 650/275 kV, 40 kA, 2000 or 1250 A Generally speaking for 33 kV: 33 kV, BIL 170/70 kV, 25 kA, 2000 or 1600 or 1250 or 630 A
Baghabari		
359.	Volume 2 of 3 Drawing number : PGCB/KfW/2012.66.436/SSNZ/3.1 In scope of works, it is mentioned that only one fully equipped 132KV overhead line bay is to be re tested & re commissioned while in tender SLD, one no. 132KV line bay along with associated Tie bay is being mentioned. Please clarify.	Yes. Only one fully equipped 132KV overhead line bay is to be re tested & re commissioned.
360.	Volume 2 of 3 Scope of work We understand that our work is limited to only re testing & re commissioning of one no. 132KV line bay & no installation supply works are under present scope of work.	Yes
361.	Volume 3 of 3 Scope of work : 1.2.3 (Page 13), Schedule 1: 1H Item 1H (FOMUX) is missing in Schedule B-16, but listed in the description of the package for Baghabari. Please amend price schedule.	No, item exist in Schedule-4, Page B-60
362.	Volume-2, Page-13, (1.2.3) Extension of the existing 132/33kV Substation Baghabari., Our Query as following: As per that clause there will be no civil work at that site but as per Schedule 4, Page no. B-61, Clause no. L (32.X), there will be Civil	Your understanding is partly correct. The Bidder is responsible for its own part of works. For example: if the Bidder has to make a drilling during installation works, it is his responsibility to perform the finishing works.



SL No.	Bidder's Query	PGCB's Reply
	Works at site. Please specify.	
363.	We understand that PGCB will supply all necessary equipments if any required for fully functional of the bay	Yes
General		
364.	Volume 1 of 3 Bid Data Sheet The bid data sheet specifies contract number as PGCB/KIW/2012.66.436/SSNZ. whereas cover page states as PGCB/KIW/2012.66.436/NZSS .Please clarify.	PGCB/KIW/2012.66.436/NZSS
365.	Volume 1 of 3 Section 6 Form of Advance security Additional Clause <u>Please add the below clause at the end of 3rd paragraph of the ABG format:</u> This Guarantee shall be reduced upon shipment by the goods to be evidenced by presentation of the Contractor to us of copy(ies) of the corresponding invoice and the bill of lading which shall be accepted as conclusive evidence that our guarantee can be reduced to nil and therefore has expired.	The Bidder has to follow the Tender documents
366.	Volume 1 of 3 Section 6 Form of Advance /Performance security Additional Clause <u>Please add the below clause at the end of 5th paragraph of the ABG format:</u> After expiry, this Guarantee shall be returned to us.	The Bidder has to follow the Tender documents
367.	Volume 1 of 3	The Bidder has to follow the Tender documents

SL No.	Bidder's Query	PGCB's Reply
	Section 6 Form of Advance /Performance security This Guarantee is subject to Uniform Rules for Demand Guarantees, ICC Publication No. 458. <u>Please delete this provision from the format and replace with:</u> This Guarantee is subject to Uniform Rules for Demand Guarantees, ICC Publication No. 758, except that Sub-article 15(a) is hereby excluded.	
368.	Volume 1 of 3 Section 8 PC 7.3 The Contractor agrees to supply spare parts for a period of years: 5 years 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 6 (six) 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. <u>Please clarify:</u> 1) 6 months delivery is not possible for all equipments. We confirm prompt supply of spares within a reasonable period. Please accept.	Yes




SL No.	Bidder's Query	PGCB's Reply
	2) 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.	
369.	Volume 1 of 3 Section 8 PC 9.3 Additional Clause Contractor shall be responsible for only those permits that has to be taken in his own name. Please clarify the approvals required to be taken by contractor. Also, fees for all such approvals need to be paid by the Employer. Please confirm.	The Bidder has to follow the Tender documents
370.	Volume 1 of 3 Section 8 PC 14 Additional Clause (Taxes & Duties) Please add to the end of the paragraph as below: 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 & cost reimbursement.	The Bidder has to follow the Tender documents
371.	Volume 1 of 3 Section 8 PC 14 Additional Clause (Taxes & Duties) Please add to the end of the paragraph as below: Custom Duty shall be issued to the Port Authorities within 3 days of	The Bidder has to follow the Tender documents




SL No.	Bidder's Query	PGCB's Reply
	submission of request for Duty payment by Contractor. In case of delay by Employer, the Contractor shall be entitled to time & 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.	
372.	Volume 1 of 3 Section 8 PC 14 Additional Clause (Taxes & Duties) <u>Please add to the end of the paragraph as below:</u> Please clarify whether Withholding tax for offshore services will be deducted. Any statutory variation in taxes and duties or introduction of any new taxes such as GST shall be paid at actual for both the direct and indirect items procured in Bangladesh.	The Bidder has to follow the Tender documents
373.	Volume 1 of 3 Section VIII Clause 14 Taxes and Duties Existing: The Employer is responsible for deducting Income tax at source i.e. Tax Deducted at Source (TDS) at the rate applicable in accordance with the government rules of Bangladesh at the time of making any payment to the Contractor. The Contractor shall consider TDS in its unit price and in total price. Pursuant to this provision, the Employer shall deduct Tax at source	The Bidder has to follow the Tender documents. TDS has to be included in the contract price.




SL No.	Bidder's Query	PGCB's Reply
	(TDS) and deposit the same to the government's exchequer and provide the records of such deposit to the Contractor for facilitating its tax assessment or obligations in Bangladesh. Bidders may acquire information regarding taxes and duties from the National Board of Revenue (NBR) of Bangladesh. VAT on EXW amounts is not included in the contract price. VAT on EXW shall be paid by the Contractor and shall be reimbursed by the Employer to the Contractor on actual basis in accordance with the government rules upon submission of relevant documents in original. From the clause we understand that PGCB will deduct AIT from all invoices to be submitted by the Contractor for all schedules. We understand that PGCB will pay VAT on behalf of the Contractor on the price to be quoted in BDT in schedule - 3 and 4 without deducting VAT from the Contractor's invoices. Hence the contractor shall not consider any VAT on the price to be quoted in BDT in schedule 3 and 4. Please clarify.	
374.	Volume 1 of 3 Section 8 PC 26 Additional Clarification <u>Please add to the end of this clause:</u> Obligation to pay Liquidated Damages shall be applicable only in case the Contractor, for reasons solely attributable to it, fails to complete works/Delivery on agreed dates.	The Bidder has to follow the Tender documents



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