CLARIFICATION#5.1

FOR

PROCUREMENT OF PLANT DESIGN, SUPPLY, DELIVERY, INSTALLATION, TESTING AND COMMISSIONING OF LOT 1: 400 KV RATMATE SUBSTATION AND WORKS AT LAPSIPHEDI AND NEW HETAUDA SUBSTATIONS, LOT 2: 400 KV NEW BUTWAL SUBSTATION, LOT 3: 400 KV NEW DAMAULI SUBSTATION

Ref No: MCA-N/ETP/CB/004

Issued on: 04 August 2023

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
1.	**For all Lots** **TECH-7: CVs of Key Personnel**	Kindly clarify whether we can shortlist the personnel with relevant experience from outside of our Organization and utilize those CVs in our techno commercial bid for your evaluation with our commitment that in the event of an award those personnel or personnel with equivalent experience shall be appointed by our Organization.	The source of Key Personnel is a Bidder's responsibility and at its own discretion. Bidder can propose personnel from within their organization or outside their organization, but the Bidder must obtain written consent of the proposed person about his/her availability for the Work.
2.	**ADDENDUM #2 Issued on: 30 May 2023** **ATTACHMENT - 2 / Subcontractors / Manufacturers / Item. No. 1 Gas Insulated Switchgear** *Gas Insulated Switchgear (GIS)* *III. Manufacturer shall also have supplied at least three (3) Gas Insulated Switchgear (GIS) Substation of 220kV or above voltage class during last five (5)*	We requested relaxation is GIS Qualification Criteria with exemption of (III) vide our request letter ref: HTDIPL/MCA/2023/Q2/002 dated 13th April 2023. However, we understand that instead of relaxation in the minimum qualification criteria, it is revised to make more stringent. "Manufacturer supply & operational performance experience of 220kV or above voltage GIS for 3	The Bidding Document shall not be amended.

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	years outside the Manufacturer's home country and which should be in successful operation.	(Three) substations outside manufacturer home country is revised from last 10 years to 5 years." We once again request to consider our request to allow the exemption to GIS manufacturer for supply and operational performance experience on outside manufacturer's home country. As per NEA GIS Qualification Criteria, outside manufacturer's home country experience and performance requirement is also exempted. Kindly consider our request.	
3.	**ADDENDUM #2 Issued on: 30 May 2023** **Section III: Qualification and Evaluation Criteria (Subcontractors / Manufacturers)** *Gas Insulated Switchgear (GIS)* *III. III. Manufacturer shall also have supplied at least three (3) Gas Insulated Switchgear (GIS) Substation of 220kV or above voltage class during last five (5) years outside the Manufacturer's home country and which should be in successful operation.* ……..	Amendment Required: III. Manufacturer shall also have supplied at least three (3) Gas Insulated Switchgear (GIS) Substation of 220kV or above voltage class during last five (5) years in an Asian country and which should be in successful operation. ……..	The Bidding Document shall not be amended.
4.	**Section III, Qualification and Evaluation Criteria** **16. Similar Construction Experience- b**	We have understood that credentials of turnkey contract/design and build constructing **GIS**	For Similar Construction Experience 16(b) the requirement is: at least two (2) turnkey contract/design and build constructing GIS substations of voltages 380kV or above

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	*Participation as single entity or as joint venture partner in at least two (2) turnkey contract/design and build constructing GIS substations of voltages 380kV or above and 50 kA short circuit level or higher and the same should be in successful operation for each lot***.**	**Extension substations** projects will also be eligible against the referred clause. Please confirm.	and 50 kA short circuit level or higher and the same should be in successful operation.
5.	**Section III, Qualification and Evaluation Criteria** **16. Similar Construction Experience- b** *Participation as single entity or as joint venture partner in at least two (2) turnkey contract/design and build constructing GIS substations of voltages 380kV or above and 50 kA short circuit level or higher and the same should be in successful operation for each lot***.**	We presume if the credential for the similar contract as asked for as per your referred clause for this package executed through Indian that is Local Associate Route for such Tenders from Power Grid Corporation of India (PGCIL) will meet your Tender requirement. Please see attached clause no. 1.1.1 (i) for PGCIL for such tenders executed by any bidder as a Local Associate Bidder to the overseas Main Bidder. This is for your ready reference. Associate Bidder in such case gets direct order from end customer for their scope and also corresponding payment as an Associate Local Bidder to the Main Bidder.	The question is not clear. Bidders are required to comply with the requirements of the Bidding Document.
6.	**ATTACHMENT – 2: - Subcontractors / Manufacturers** *"The Bidder must propose only one manufacturer for the each listed major equipment (GIS, CVT, SA, CRP, SAS, Auto Transformer, OLTC, Communication Equipment, Protection and Control, SCADA, Battery and Battery*	Request you to please allow us to propose at least Three manufacturers for each nine numbers listed major equipment to be proposed with our Technical offer. Thus the bidder can choose one out of three manufacturers in the event of an award for flexibility and ease in project execution. This is as per other similar International Tenders funded by other International monetary funding agencies.	The bidder must propose only one manufacturer for Gas Insulated Switchgear and Autotransformers. Further, bidder may propose more than one manufacturer for others equipment among the listed major equipment in their technical offer.

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	Charger & XLPE Power Cable) in their technical offer. Approved equipment cannot be changed without MCANepal approval."		MCA-Nepal may issue an addendum to the bidding document incorporating the above provision after approval from the authority.
7.	**ITB 29.1, Criteria, sub-criteria 1.4: -** *"Similar Construction Experience in 380kV or above GIS Substation Construction in minimum four projects"*	We presume that "Four Projects" is a typographical error only, as same is in contrary to your clause "16. Similar Construction Experience – b". This may please be changed in the referred clause to minimum two projects instead of four projects.	This is not an error. These two are two different evaluation criteria.
8.	**Addendum – 2 dtd: 30.05.2023 - Part 1, Page 64, Section III. Qualification and Evaluation Criteria, D. Technical Evaluation Criteria for each Lot, Note 1: -** *"For each lot, the Bidder needs to include separate information for Criteria 2 and Criteria 3."*	Please clarify whether the bidder needs to propose separate information for CVs of Key Personnel (TECH-7), List of Proposed Subcontractors (TECH-9), List of Proposed Manufacturer and/or Suppliers (TECH-10), Technical Data Sheet (TECH-11) etc. For example, if we propose one GIS manufacturer for LOT 1, whether we can propose same manufacturer for LOT 2 & 3 or we have to propose three different manufacturers for different LOTs. Please clarify/ confirm	The Bidder has to propose a separate set of Key Personnel (TECH-7) for each lot. List of Proposed Subcontractors (TECH-9), List of Proposed Manufacturer and/or Suppliers (TECH-10) could be the same for all three lots.
9.	**ATTACHMENT – 2: - Subcontractors / Manufacturers** *Gas Insulated Switchgear: - I. At least five years in manufacturing of Gas Insulated Switchgear.* *II. Must be the manufacturer of Gas Insulated Switchgear who have been, for not less than five (5) years, a manufacturer of 380kV or*	Please confirm that for 400 kV GIS your Qualification Requirement is for 380 kV but for 220 kV GIS your Qualification Requirement is for 220 kV only.	Kindly adhere to the requirement of bidding documents.

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	above GIS and must have designed, manufactured, tested (as per or relevant international standard), supplied, at least three (3) GIS Substations having cumulative ten (10) number of Circuit breaker bays of 380kV or above and short circuit level 50 kA or above, and which should be in successful operation. *III. Manufacturer shall also have supplied at least three (3) Gas Insulated Switchgear (GIS) Substation of 220kV or above voltage class during last five (5) years outside the Manufacturer's home country and which should be in successful operation.* *IV. The above-criteria (I, II, and III) would also be applicable to Gas Insulated Bus ducts (GIB).* *V. Manufacturer shall provide evidence that it is ISO 9001 certified*		
10.	**Section V B02_GTR,220913_B02_GTR** *10.3 The test reports submitted shall be of the tests conducted within the last10 (ten) years before the originally scheduled date of bid opening. In case the test reports are of tests conducted earlier than 10 (ten) years before the originally*	As per addendum 2 ,item 10 in the case of 400kV and 220kV GIS switchgear type tests shall be carried out as per IEC in Short-Circuit Testing Liaison (STL)-Accredited Laboratory. Our type test not do in STL Laboratory. Our type test reports witness by STL member are accepted or not? Kindly clarify	Type tests shall be carried out as per IEC in Short-Circuit Testing Liaison (STL) – Accredited Laboratory. Bidders are requested to adhere to the requirements of the bidding document.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	scheduled date of bid opening, the Contractor shall repeat these test(s) at no extra cost to the Employer. However, in the case of 400 kV and 220 kV GIS switchgear (circuit breaker, isolators, earthing switches, instrument transformers, SF6/air & oil bushings, etc.) type tests shall be carried out as per IEC in Short-Circuit Testing Liaison (STL)– Accredited Laboratory. *10.4 If the manufacturer had not successfully carried out complete type test as per IEC in Short-Circuit Testing Liaison (STL)-Accredited Laboratory as on the originally scheduled date of bid opening, the Bidder shall submit undertaking letter along with bid to carry out the mentioned test in Short-Circuit Testing Liaison (STL) - Accredited Laboratory from offered manufacturer without any extra cost to Employer.*		
11.	**Sub-Stations**	In B0-PROJECT DESCRIPTION AND GENERAL PROJECT REQUIREMENTS, Introduction (Clause-2) three sub station names mentioned as Ratmate in Nuwakot district, New Damauli in Tanahu district and New Butwal in Nawalparasi West district. In the same page, 4.1 - Substations	New Butwal Substation is located in Sunwal Municipality in Nawalparasi (West) District. Bidders are advised to visit the site to acquaint themselves with the site location.

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		The Compact contemplates designing and constructing three new 400 kV GIS substations located at Ratmate in Nuwakot District, Damauli in Tanahun District, and Sunwal in Nawalparasi (West) District. Sunwal is a different place in Nepal. Please clarify which substation is considered New Butwal in Nawalparasi West district or Sunwal in Nawalparasi (West) District.	
Section V – B1 (Project Specific Requirements)			
12.	**Lot1_RAT_PSR 2.2.1** *d. 400 kV GIS bays with required GIB, 4 nos. for 400 kV D/C Quad Moose ACSR future lines including GIB termination along with supporting structure but without outdoor AIS equipment*	Please provide plan layout where actual bus extension and end bushing are shown for future lines.	Please refer to drawings provided in Part-2 Employer's requirement. Further, please note that these drawings are for reference purposes only. The Contractor shall design the actual layout during detailed engineering complying with the Employer's requirements, which will be subject to the approval of Engineer.
13.	**Lot1_RAT_PSR 2.2.1** *j. 220 kV GIS bays with required GIB, 8 nos. for 220 kV future lines including GIB termination along with supporting structure but without outdoor AIS equipment k. 220 kV GIS bays with required GIB , 2 nos. bay for connecting future 220/132/11 KV, 3-Ph Interconnecting Autotransformers including GIB termination along*	Please provide plan layout where actual bus extension and end bushing are shown for future lines.	Please refer to drawings provided in Part-2 Employer's requirement. Further, please note that these drawings are for reference purposes only. The Contractor shall design the actual layout during detailed engineering complying with the Employer's requirements, which will be subject to the approval of Engineer.

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	with supporting structure but without outdoor AIS equipment.		
14.	**Lot1_RAT_PSR 2.2.1** *GIS Scope of work*	In case of option scope, extension of GIS will take place either on right or left end only. Future extension in between two existing bays is not envisaged. Please provide confirmation on same or else we have to consider only one package i.e. Option including base as well as all future bays.	Please be informed, the scope of work has been classified into two categories. (i) **Base Scope of work**, (ii) **Option Scope of work** with some additional work in the Base Scope of work. The Employer shall exercise Option Scope of work, however, the Employer may only contain with Base Scope of work in exceptional circumstances. The Contractor shall design the actual configuration during detailed engineering complying with the Employer's requirement and which will be subjected to the approval of Engineer.
15.	**Lot1_RAT_DWG** *GIS Layout & SLD*	For Ratmate S/S- One spare transformer is mentioned in PSR document & layout but it is not given in tender SLD. Request you to confirm, whether it is part of tender scope.	One spare transformer is in the scope of work as per the PSR.
16.	**Addendum 2 & Clarifications #1 dtd: 30.05.2023** *GIS Scope of work*	As per latest addendum & clarification set, location of LCC is adjacent to GIS room. We propose LCC to be placed in GIS room in front of Bay . Please confirm the same.	The Contractor shall design during detailed engineering complying with the Employer's requirements, which will be subject to the approval of Engineer.
17.	**Lot1_RAT_PSR 2.2.1** *GIS Scope of work*	For SF6/Air Bushings we are offering 31mm/KV instead of 40mm/KV. Please accept the same.	MCA-Nepal is intending to issue an addendum to the bidding document to confirm 25mm/kV creepage distance for both 400kV & 220kV SF6 to Air bushing

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			creepage distances subject to the approval of authority.
Section V – B1 (Project Specific Requirements): 400KV RATMATE GIS SUBSTATION			
18.	**Lot1_RAT_PSR 3.1- d** *iv. (3) three motor-driven earthing switches complete with manual and motor-driven operating mechanisms* .	From given reference clause, three motor driven earthing switches are required. From application point of view 2 sets (i.e.1 set = 3 phase) earthing switches suffices the purpose for 2 busbar system. Please confirm whether our understanding is correct.	Your understanding is correct.
19.	**Lot1_RAT_PSR 3.1- d** *v. (1) one lot of gas fill ports, gas density monitors/gauges, rupture discs, and gas density monitoring system transducers per gas zone.*	(1) one lot of gas fill ports, gas density monitors/gauges, rupture discs shall be provided. Please confirm the same.	Please follow the technical specifications.
20.	**Lot1_RAT_PSR 3.1- e ; 3.1- f ; 3.1- g ; 3.1- h** *iii. (3) three-phase sets of single-phase encapsulated, independent pole, circuit breaker isolating disconnect switches, and maintenance earthing switches complete with manual and motor-driven operating mechanisms*	Offered GIS has gang operated disconnect switches. Request an acceptance on the same.	Kindly adhere to the requirements of the bidding document.
21.	**Lot1_RAT_PSR 3.1- e ; 3.1- f ; 3.1- g ; 3.1- h** *iv. (3) three inductive voltage transformers with isolating links*	We will offer manual integrated isolators for line voltage transformer. Request an acceptance on the same.	The requirements in the bidding document will not change.
22.	**Lot1_RAT_PSR 3.1- e ; 3.1- f ; 3.1- g** *v. (1) one set of the three-pole group operated*	400KV GIS shall be offered with single pole operated high speed ES. Request an acceptance on the same.	The requirements in the bidding document will not change.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	High-Speed Grounding Switch (HSGS) and able to interrupt capacitive current from adjacent line circuit complete with manual and motor-driven operating mechanisms		
23.	**Lot1_RAT_PSR 3.1- f** *vi. (3) three sets of 4000A gas-insulated bus extensions with end bushings*	Please provide plan layout where actual bus extension and end bushing are shown.	Please refer to drawings provided in Part-2 Employer's requirement. Further, please note that these drawings are for reference purposes only. The Contractor shall design the actual layout during detailed engineering that will be subjected to approval of Engineer.
24.	**Lot1_RAT_PSR 3.1- h** *vii. (3) three sets of 4000A gas-insulated bus extensions with end bushings*	Please provide plan layout where actual bus extension and end bushing are shown.	Please refer to drawings provided in Part-2 Employer's requirement. Further, please note that these drawings are for reference purposes only. The Contractor shall design the actual layout during detailed engineering that will be subjected to approval of Engineer.
25.	**Lot1_RAT_PSR 3.1- i** *(2) two three-phase sets of single-phase encapsulated, independent pole, circuit breaker isolating disconnect switches, and maintenance earthing switches complete with manual and motor-driven operating mechanisms.*	Offered GIS has gang operated disconnect switches. Request an acceptance on the same.	The requirements in the bidding document will not change.
26.	**Lot1_RAT_PSR 3.1- k** *The use of PIR and CPWSD for line feeders and associated*	Please provide us detailed specifications for PIR as per relevant IEC/IEEE standards.	The Contractor shall develop respective detailed specifications for PIR as per the

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	tiebreaker could be confirmed only after conducting Transient Switching Study by the Contractor and shall develop respective detailed specifications for PIR as per relevant IEC/IEEE standards. The Price of the line circuit breaker and its associated tie circuit breakers equipped with CPWSD and circuit breaker equipped with PIR should be provided as per the Schedule 4.4.2: Breakdown for Day work Rates: Materials		relevant IEC/IEEE standards that will be subject to approval by the Engineer.
Section V – B1 (Project Specific Requirements): 245KV RATMATE GIS SUBSTATION			
27.	**Lot1_RAT_PSR 3.2- d** *iv. (3) three motor-driven earthing switches complete with manual and motor-driven operating mechanisms.*	From given reference clause, three motor driven earthing switches are required. From application point of view 2 sets (i.e.1 set = 3 phase) earthing switches suffices the purpose for 2 busbar system. Please confirm whether our understanding is correct.	Your understanding is correct.
28.	**Lot1_RAT_PSR 3.2- d** *iv. (1) one lot of gas fill ports, gas density monitors/gauges, rupture discs, and gas density monitoring system transducers per gas zone.*	(1) one lot of gas fill ports, gas density monitors/gauges, rupture discs shall be provided. Please confirm the same.	Kindly adhere to the requirements of the bidding document.
29.	**Lot1_RAT_PSR 3.2- e ; 3.2- f ; 3.2- g ; 3.2- h; 3.2- j** *(3) three-phase sets of single-phase encapsulated, independent pole, circuit breaker isolating*	Offered GIS has gang operated disconnect switches. Request an acceptance on the same.	The requirements in the bidding document will not change.

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	disconnect switches, and maintenance earthing switches complete with manual and motor-driven operating mechanisms.		
30.	**Lot1_RAT_PSR 3.2- e ; 3.2- f ; 3.2- g ; 3.2- h** *iv. (3) three inductive voltage transformers with isolating links*	We will offer manual integrated isolators for line voltage transformer. Request an acceptance on the same.	The requirements in the bidding document will not change.
31.	**Lot1_RAT_PSR 3.2- h** *vii. (3) three sets of 4000A gas-insulated bus extensions with bushings*	Please provide plan layout where actual bus extension and end bushing are shown.	Please refer to the drawings provided in Part-2 Employer's requirement. Further, please note that these drawings are for reference purposes only. The Contractor shall design the actual layout during detailed engineering that will be subjected to approval of Engineer.
32.	**Lot1_RAT_PSR 3.2- i** *(2) two three-phase sets of single-phase encapsulated, independent pole, circuit breaker isolating disconnect switches, and maintenance earthing switches complete with manual and motor-driven operating mechanisms.*	Offered Type tested design of 220kV GIS is accepted by various utilities in India and Abroad, the Busbar design shall be three phase encapsulated. We request a concurrence on the acceptability of this busbar design	The requirements in the bidding document will not change.
33.	**Lot1_RAT_PSR 3.2- i** *(2) two three-phase sets of single-phase encapsulated, independent pole, circuit breaker isolating disconnect switches, and maintenance earthing switches complete with manual and motor-driven operating mechanisms.*	Offered GIS has gang operated disconnect switches. Request an acceptance on the same.	The requirements in the bidding document will not change.
Part 2: Employer's Requirements Section V – B0 (General Technical Requirement)			

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
34.	**B0-2_General Tech Req 10.3** *If the manufacturer had not successfully carried out complete type test as per IEC in Short-Circuit Testing Liaison (STL) - Accredited Laboratory as on the originally scheduled date of bid opening, the Bidder shall submit undertaking letter along with bid to carry out the mentioned test in Short-Circuit Testing Liaison (STL) - Accredited Laboratory from offered manufacturer without any extra cost to Employer.*	STL does not issue guideline for other type tests which includes following tests: i) Test to prove strength of the enclosure – governed by IEC 62271 – 203 ii) Test to prove the satisfactory operation of the included switching devices (Mechanical endurance Test) –governed by IEC 62271-203 iii) Test on auxiliary switch – governed by IEC 62271 – 203 iv) Tests on instrument transformers – governed by IEC 61869 – 1, 61869 – 2, 61869 – 3 (for instrument transformers) v) Tests on insulated bushings (SF6 to air bushing) – governed by IEC 60137 At the same time, they don't have the facility to conduct such type tests at their member laboratories. Under the given circumstances, OEMs don't have an option other than performing such tests at other independent test labs Despite that we approached STL member laboratories in recent past for performing type test on enclosure which is denied by them due to unavailability of facility. In view of same we request you to advise us.	Kindly adhere to the requirements of the bidding document. Specific type tests reports will be reviewed by the Engineer that may request the performance of the tests at no extra cost to the Employer.
35.	**B0-2_General Tech Req 12.1** *Packaging shall be sufficient to withstand without limitation, rough handling during loading/unloading, sea, air and*	We recommend to store material at Indoor location. Storage instructions shall be shared during detail engineering.	The Contractor is suggested to plan adequately for the storage yard etc. during the course of execution at the site. However, Contractor will have the

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	inland transport, and exposure to extreme temperature, salt, and precipitation during transit, and outdoor storage.		responsibility to acquire or lease the land at his cost for its temporary office, laydown area and storage yards at appropriate locations consistent with its deployment and work performance strategy, and in locations, if required, compliant with the provisions of the ESHSMP and approved by the Engineer and the Employer.
SECTION 1: 420kV GIS TECHNICAL SPECIFICATION			
36.	**Ch 1_S2_TS_220kV GIS_RAT 2.10** *The GIS and GIB furnished under this specification shall be in accordance with all the most current requirements of applicable IEEE and IEC standards. All materials and devices shall be in accordance with the applicable requirements of the Local or National "Occupational Safety and Health Standards."*	Offered 400kV GIS shall confirm to IEC 62271-203, we request to share the specific requirements of Local/National requirements needed additionally to be complied for this requirement	It is the responsibility of the contractor to get informed of and to comply with the applicable national safety requirements.
37.	**Ch 1_S1_TS_420kV GIS_RAT 5** *CODES AND STANDARDS*	Offered GIS is designed, manufactured and tested as per IEC 62271-203. Request an acceptance on the same.	Offered GIS should comply with the technical specifications and relevant codes. Acceptance of the design will be subjected to the approval of the Engineer. Validity of the test reports should be as per the General Technical Requirements.
38.	**Ch 1_S1_TS_420kV GIS_RAT 9.1.5** *Due to safety requirements for working on this pressurized*	Due to safety requirements, if the gas pressure of a compartment is reduced, the same part can not be kept in service as the gas density in the stated	Accepted. If the gas pressure is reduced during the maintenance, the equipment cannot remain in service

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	equipment, whenever the pressure of the adjacent gas compartment is reduced during maintenance, this compartment shall be designed so that it shall remain in service to perform its intended duty.	compartment shall not be sufficient to withstand the electrical stress. Request an acceptance on the same.	
39.	**Ch 1_S2_TS_220kV GIS_RAT 9.1.12** *The arrangement of gas zones shall be such as to facilitate future extension of any GIS without any drilling, cutting or welding on the existing equipment.*	Kindly confirm on which side of GIS the extension shall be envisaged.	The extension will be planned in accordance with the design submitted by the Contractor that will be subjected to approval by the Engineer during detailed engineering.
40.	**Ch 1_S2_TS_220kV GIS_RAT 9.1.12** *To facilitate GIS extension in the future, the Contractor shall make available during the detailed engineering phase, the complete design detail of interface module including enclosure cross section, enclosure material, enclosure dimensions (inner & outer), flange diameter (inner & outer),conductor connection arrangement, bolt circle spacing & dimensions, rated gas pressure etc*	The data required for extension shall be in line with IEEE C37, kindly confirm	The proposed extension interface design and facilities will be subject to approval by the Engineer at the detailed engineering phase.
41.	**Ch 1_S1_TS_420kV GIS_RAT 9.2.1** *All engineering, fabrication and supply of the components of the GIS, their assemblies and*	Grading capacitors, ferro resonance tuned inductors are excluded from SE GT-PR SW GIS scope of supply.	Kindly adhere to the requirements of the Bidding Document.

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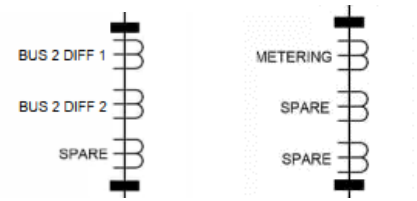
	accessories (i.e. pre-insertion resistors, grading capacitors, ferro resonance tuned inductors etc.)		
42.	**Ch 1_S2_TS_220kV GIS_RAT 9.2.13** *A gas density monitoring system (GDM) integrated with existing communication systems including gas density monitors (with alarm contacts), gas density monitoring (GDM with transducers) hardware and software system, pressure relief devices, gas filling connections and Human Machine Interface (HMI).*	Kindly share any additional data with reference to the GDM system required	Bidders shall propose based on their experience and adherence to the requirements of the bidding document that shall be subject to approval by the Engineer during detailed engineering.
43.	**Ch 1_S1_TS_420kV GIS_RAT 9.2.22** *A camera system for locations where physical access to viewports is restricted.*	Not applicable for offered 220kV GIS design. Please confirm.	Kindly adhere to the requirements of the bidding document.
44.	**DWG_Combined_Optimized RTE-100-1, 100-2, 100-3, 100-4** 	Given SLD contains metering and differential protection class cores whereas only 5P20 accuracy class details are given in CT technical datasheet & CT particulars. Request to provide required CT accuracy classes with detail parameters like burden, knee point voltage, excitation current and Rct etc.	CT accuracy for metering to be as per the applicable standards. Bidders to propose according to their experience.
45.	**Ch 1_S1_TS_420kV GIS_RAT 11.27**	Power frequency voltage withstand voltage shall be as per IEC standard. Request kind acceptance.	Kindly adhere to the requirements of the bidding document.

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	All terminals and control circuit wiring shall be capable of withstanding 1500 V ac, 50 Hz for one minute or 1800 V ac, 50Hz for one second in accordance with IEEE C37.122.		
46.	**Ch 1_S1_TS_420kV GIS_RAT 11.3** *Corridors shall be provided along the length of the GIS as required, for transporting gas processing equipment. These spaces shall be clear of any columns, tairways, ladders, etc., that would impede movement of a gas cart. Maintenance access corridors shall also be provided between adjacent bays.*	Corridors are excluded from GIS scope of supply. No maintenance access corridors are applicable between adjacent bays. Please confirm the same.	Detailed Design of GIS layout is subject to approval by the Engineer.
47.	**Ch 1_S1_TS_420kV GIS_RAT 12.2.4** *For the purpose of gas monitoring and maintenance, each circuit breaker bay shall have separate independent gas compartments for the circuit breaker, CTs, disconnect switches, maintenance earthing switches, high speed ground switches, voltage transformers, metal- enclosed surge s, cable sealing end enclosures, bus sections, gas-to-air-bushing modules and interface connections for future expansion*	For offered 400/220KV GIS- maintenance earthing switches, high speed ground switches shall be provided with disconnector compartment or any other adjacent gas compartment. Request kind acceptance on same.	Kindly adhere to the requirements of the bidding document.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	of the GIS. Each switching device and earthing device shall have its own individual gas zone.		
48.	**Ch 1_S1_TS_420kV GIS_RAT 12.2.5** *Buffer gas compartments shall be provided between circuit breaker current transformer compartments and the associated isolating disconnect switches; between cable sealing ends and bus runs; between gas-to-air bushings and bus runs; between voltage transformers and voltage transformer disconnecting devices, to allow maintenance to be performed on the circuit breaker, cable termination, gas-to-air bushings, or voltage transformer without having to depressurize the adjacent switching device gas compartment.*	Request to note that in case of repair/maintenance the faulty bay is allowable to go out of service as per IEC 62271-203. Considering the same, providing buffer compartments between each modules is not envisaged. All the specific requirement of Service continuity shall be met by providing gas compartmentalization as per manufacturers type tested design	Accepted, provided that service continuity is maintained.
49.	**Ch 1_S1_TS_420kV GIS_RAT 13.2.8** *e. Verification of thermal short-time current withstand*	For SF6/Air bushings, Calculation will be provided in line with IEC 60137. Request to kindly confirm.	Confirmed.
50.	**Ch 1_S1_TS_420kV GIS_RAT 12.2.10** *d. Ambient temperature gauge*	We recommend the provision of separate temperature monitoring IR Thermometer for this requirement. Kindly confirm	This will be finalized during detailed design to be approved by the Engineer.
51.	**Ch 1_S1_TS_420kV GIS_RAT 12.2.14**	We require further technical details for this requirement.	Kindly adhere to the requirements of the specifications. Bidders to propose based on their experience.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	4. Circuit Breaker and HSGS Block Level: This is the minimum gas density level at which the manufacturer will guarantee the rated fault interrupting capability of the breaker or the fault making capability of the HSGS. At this level the breaker block contact shall operate or the HSGS block contact shall operate, and the closing & tripping circuits for these switching devices shall be blocked. *Each gas density monitoring device shall be individually adjustable and shall have electrically-independent contacts to include a slow leak detection circuit.*		
52.	**Ch 1_S1_TS_420kV GIS_RAT 12.2.24** *The bursting pressure of the relief device shall be effectively coordinated with the rated gas pressure and the pressure rise due to arcing as described in IEEE Std. C37.122.*	The bursting pressure of the relief device shall be as per IEC 62271-203 standard. Please Confirm.	Accepted.
53.	**Ch 1_S2_TS_220kV GIS_RAT 12.3.17** *A minimum of 20 "a" and 20 "b" auxiliary contacts shall be provided that are field reversible for the Employer's use.*	The Necessary contacts shall be provided using multiplier facility. Please confirm.	Confirmed.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
54.	**Ch 1_S1_TS_420kV GIS_RAT 12.6.3** *All current transformers shall be multi- ratio.*	With reference of mentioned clause, multi ratio CTs are required but only single ratio CTs are given in SLD & Technical data sheet. Request to provide CT's with multiple ratios	Kindly adhere to the requirements of the bidding document.
55.	**Ch 1_S1_TS_420kV GIS_RAT 12.13.2** *Each cabinet shall be a NEMA 12 enclosure, as a minimum, for indoor application. Any outdoor junction boxes or marshalling cabinets shall be rated NEMA 4X and constructed of stainless steel.*	We will provide IP class as per IEC 60529 (IP43 class for indoor). Request an acceptance on same.	Accepted for indoor enclosures. For outdoor, NEMA 4X should be provided.
56.	**Ch 1_S1_TS_420kV GIS_RAT 12.13.5** *For any cabinets located outdoors, the top of the outdoor cabinets (where provided) shall be sloped (2% minimum) to prevent water accumulation. A drip shield shall be provided above the cabinet door. It shall be rigidly braced and secured.*	For offered 400/220KV GIS floor mounted LCC cable entry shall be from bottom side. Please Confirm.	Kindly adhere to the requirements of the bidding documents. This will be finalized during detailed engineering
57.	**Ch 1_S1_TS_420kV GIS_RAT 12.13.12** *d. One or two (one for each circuit breaker trip coil) red light-emitting diodes (LED) and one green LED for each circuit breaker, each disconnect and earthing (maintenance or high-speed) switch, for contact position*	For the offered 220KV/400KV GIS, (red/green) indication lamps shall be provided however provision of any separate indication for trip/ close coil is not envisaged.	Kindly adhere to the requirements of the bidding document.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	indication on the mimic diagram. LEDs shall be visible when illuminated from a minimum of 2 meters away in bright sunlight. All indicating lights shall be capable of being seen without the necessity of opening any doors on the LCC.		
58.	**Ch 1_S1_TS_420kV GIS_RAT 12.13.12** *h. An annunciator (type and model to furnished by the Engineer/Employer) with Ethernet communications and global positioning system (GPS) time synchronization with the following alarms connected:*	Annunciator with RS485 shall be provided. Request an acceptance on same.	Annunciator details will be finalized during detailed engineering after approval by the Engineer.
59.	**Ch 1_S1_TS_420kV GIS_RAT 12.13.12** *j. Terminal blocks and terminations for each input and output on the SCADA-I/O. Jumpers shall not be allowed on the device.* *k. Test switches shall be utilized to isolate each input and output of the SCADA-I/O devices.* *l. Test switches shall be utilized to isolate the contacts from control switches in the trip and close circuits of circuit breakers, disconnect switches,*	Kindly provide additional technical details for these points.	Will be finalized during detailed engineering after approval by the Engineer.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	ground switches, and fast-acting ground switches.		
60.	**Ch 1_S1_TS_420kV GIS_RAT 12.13.12** *q. Visible secondary break disconnect devices in the voltage transformer wiring circuit for isolating all ungrounded voltage transformer secondary wiring circuits*	Disconnecting type terminal blocks shall be provided for CT and VT. Request an acceptance on same.	Kindly adhere to the requirements of the bidding documents. Details to be subject to approval by the Engineer
61.	**Ch 1_S1_TS_420kV GIS_RAT 12.14.1** *All control wiring shall comply with the requirements of the standards in the CODES AND STANDARDS section of this specification. All exterior wiring shall be enclosed in schedule 40, hot-dipped galvanized steel conduit. PVC conduit is not acceptable. All external mounting hardware and fasteners shall be stainless steel. Electro-galvanized fittings are not acceptable*	We understand that provision of cable trays for cables between GIS to LCC shall also be acceptable. Request to kindly confirm.	Confirmed.
62.	**Ch 1_S1_TS_420kV GIS_RAT 12.14.2** *All current transformer secondary wiring in the LCC shall be minimum 6 mm2 stranded copper and all other wiring except for instrumentation shall be a minimum 2.5 mm2 stranded*	We recommend cable size of 4 mm2 for current transformer secondary and 1.5mm2 for all other wiring. Request an acceptance on same.	Kindly adhere to the requirements of the bidding document.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	copper and as specified. All wiring shall be insulated for 600 volts with ETFE (Ethylene Tetrafluoroethylene) 150 °C insulation or approved equivalent.		
63.	**Ch 1_S1_TS_420kV GIS_RAT 12.14.2** *All current transformer secondary wiring in the LCC shall be minimum 6 mm2 stranded copper and all other wiring except for instrumentation shall be a minimum 2.5 mm2 stranded copper and as specified. All wiring shall be insulated for 600 volts with ETFE (Ethylene Tetrafluoroethylene) 150 °C insulation or approved equivalent.*	For the offered 400/220KV GIS, control cable material shall be FRLS (Fire Retardant Low Smoke) which also has similar properties as ETFE (Ethylene Tetrafluoroethylene). Request an acceptance on same.	Kindly adhere to the requirements of the bidding document.
64.	**Ch 1_S1_TS_420kV GIS_RAT 12.14.3** *Wires shall be terminated using solder-less, compression type insulated ferrule , ring tongue terminals.*	Ring type terminals shall be provided. Request an acceptance on same.	Kindly adhere to the requirements of bidding document.
65.	**Ch 1_S1_TS_420kV GIS_RAT 12.14.4** *All lugs will be crimped with an approved type tool, and the indent shall be placed for continual inspection. Double lugging (two wires in one connector) is not permitted. Only one wire and lug per terminal is permitted.*	Plug type contacts shall be provided to this requirement.	Kindly adhere to the requirements of the bidding document.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	Connectors shall be rated for the wire size used. The use of shims to allow use of larger connectors is not acceptable.		
66.	**Ch 1_S1_TS_420kV GIS_RAT 12.14.4** *Screws, with locking device, shall be non-ferrous and corrosion-resistant Philips fillister-head metal type. All metal parts of the terminal block shall be non-ferrous and corrosion-resistant.*	The make of this requirement shall be in line with manufacturers established supplier base which is in line with international standard. Request a confirmation on the same.	Confirmed.
67.	**Ch 1_S1_TS_420kV GIS_RAT 12.14.5** *All wiring and components, including relay coils, motor controls, etc., shall be minimum 600 V AC insulation class, where applicable. Circuit breakers shall be thermal magnetic and rated a minimum of 230 Volts AC, 20 kA interrupting.*	For the offered circuit breakers 10 kA interrupting shall be provided. Request a confirmation on the same.	Kindly adhere to the requirements of the bidding document.
68.	**Ch 1_S1_TS_420kV GIS_RAT 12.7.6** *Voltage transformer secondary winding(s) shall be wired to terminal blocks located in a terminal box mounted directly on the voltage transformer. Voltage transformer secondaries shall be fused (except the neutral) or protected by circuit breakers, marked and connected through a*	We understand that Visible Secondary Break (VSB) are nothing but Miniature Circuit Breakers (MCB). Please confirm whether our understanding is correct.	Please note that "Voltage transformer secondary shall be fused (except the neutral) or protected by circuit breakers" is already mentioned and these circuit breakers may mean Miniature Circuit Breakers (MCBs). As such Visible Secondary Break(VSB) shall mean something where one shall be able to verify(visibly) whether the contacts are open or closed, say something similar to

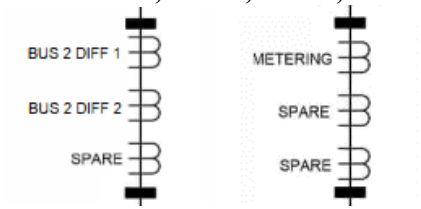
SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	Visible Secondary Break (VSB) disconnect device and then terminated on terminal blocks (type and model to be provided by the Employer) in the LCC.		AIS MV/HV Disconnector or Isolator where we can visually determine whether the Contacts (operated through blade) are closed or open.
69.	**Ch 1_S1_TS_420kV GIS_RAT 12.16** *SEISMIC DESIGN CRITERIA AND SUPPORT STRUCTURES*	- Structure material will be as per Indian Standard only, however the Tensile Strength will be as per American Standard.- The offered GIS structure shall be in line with IEC/ IS standard. Request a concurrence on the same.	Kindly adhere to the requirements of the bidding document.
70.	**Ch 1_S1_TS_420kV GIS_RAT 12.16.4** *The structures shall be designed in accordance with the latest edition of the American Institute of Steel Construction Manual.*	The structures shall be designed in accordance with IEC standards	Kindly adhere to the requirements of the bidding document.
71.	**Ch 1_S2_TS_220kV GIS_RAT 13.2** *All type (design) tests on the GIS and GIS components shall have been previously conducted as specified in IEC 62271 and IEEE C37.122. Type tests shall verify that all components of the GIS perform satisfactorily, both electrically and mechanically, at the ratings assigned. Reports of the type testing shall be submitted with the bid.*	Offered GIS shall be tested in Line with IEC 62271-203	Confirmed.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
72.	**Ch 1_S2_TS_220kV GIS_RAT 2** *HIGH VOLTAGE DESIGN PARAMETERS* *System X/R (maximum) X/R = TBD (shall be finalized after study report)*	Kindly provide the value for check and confirmation	X/R ratio value will be determined during the detailed engineering based on the Contractor's System Studies.
73.	**16.1_TDS_420kV_GIS_RAT 1.16** *Ambient temperature range: -30 up to +40°C*	Ambient temperature range given in project specific document & technical data sheet are different. Request to provide actual Ambient temperature to be followed	The Ambient temperature range shall be: -30 up to +40°C The ambiguity in the PSR may be corrected after issuance of an addendum to the bidding document after approval from the authority.
74.	**Lot1_RAT_PSR 1.2.1** *Temperature* *Maximum annual ambient temperature 40 °C* *Minimum annual ambient temperature 1 °C*	Ambient temperature range given in project specific document & technical data sheet are different. Request to provide actual Ambient temperature to be followed	The Ambient temperature range shall be: -30 up to +40°C The ambiguity in the PSR may be corrected after issuance of an addendum to the bidding document after approval from the authority.
a.SECTION 2: 220kV GIS TECHNICAL SPECIFICATION			
75.	**Ch 1_S2_TS_220kV GIS_RAT 2.10** *The GIS and GIB furnished under this specification shall be in accordance with all the most current requirements of applicable IEEE and IEC standards. All materials and devices shall be in accordance with the applicable requirements of the Local or*	Offered 220kV GIS shall confirm to IEC 62271-203, we request to share the specific requirements of Local/National requirements needed additionally to be complied for this requirement	It is the responsibility of the contractor to get informed of and to comply with the applicable national safety requirements

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	National "Occupational Safety and Health Standards."		
76.	**Ch 1_S2_TS_220kV GIS_RAT 5** *CODES AND STANDARDS*	Offered GIS is designed, manufactured and tested as per IEC 62271-203. Request kind acceptance on same	Offered GIS should comply with the technical specifications and relevant codes. Acceptance of the design will be subjected to the approval of the Engineer. Validity of the test reports should be as per the General Technical Requirements.
77.	**Ch 1_S2_TS_220kV GIS_RAT 9.1.5** *Due to safety requirements for working on this pressurized equipment, whenever the pressure of the adjacent gas compartment is reduced during maintenance, this compartment shall be designed so that it shall remain in service to perform its intended duty.*	Due to safety requirements, if the gas pressure of a compartment is reduced, the same part can not be kept in service as the gas density in the stated compartment shall not be sufficient to withstand the electrical stress. Request to provide acceptance on same.	Accepted. If the gas pressure is reduced during the maintenance, the equipment cannot remain in service
78.	**Ch 1_S2_TS_220kV GIS_RAT 9.1.12** *The arrangement of gas zones shall be such as to facilitate future extension of any GIS without any drilling, cutting or welding on the existing equipment.*	Kindly confirm on which side of GIS the extension shall be envisaged.	The extension will be planned in accordance with the design submitted by the Contractor that will be subjected to approval by the Engineer during detailed engineering.
79.	**Ch 1_S2_TS_220kV GIS_RAT 9.1.12** *To facilitate GIS extension in the future, the Contractor shall make available during the detailed engineering phase, the complete*	The data required for extension shall be in line with IEEE C37, kindly confirm	The proposed extension interface design and facilities will be subject to approval by the Engineer at the detailed engineering phase.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	design detail of interface module including enclosure cross section, enclosure material, enclosure dimensions (inner & outer), flange diameter (inner & outer),conductor connection arrangement, bolt circle spacing & dimensions, rated gas pressure etc		
80.	**Ch 1_S2_TS_220kV GIS_RAT 9.2.1** *All engineering, fabrication and supply of the components of the GIS, their assemblies and accessories (i.e. pre-insertion resistors, grading capacitors, ferro resonance tuned inductors etc.)*	Grading capacitors, ferro resonance tuned inductors are excluded from SE GT-PR SW GIS scope of supply. Pre-insertion resistors are not applicable for 220KV hence not considered. Please confirm our understanding is correct.	Kindly adhere to the requirements of the Bidding Document.
81.	**Ch 1_S2_TS_220kV GIS_RAT 9.2.13** *A gas density monitoring system (GDM) integrated with existing communication systems including gas density monitors (with alarm contacts), gas density monitoring (GDM with transducers) hardware and software system, pressure relief devices, gas filling connections and Human Machine Interface (HMI).*	Kindly share any additional data with reference to the GDM system required	Bidders shall propose based on their experience and adherence to the requirements of the bidding document that shall be subject to approval by the Engineer during detailed engineering.
82.	**Ch 1_S2_TS_220kV GIS_RAT 9.2.22**	Not applicable for offered 220kV GIS design	Kindly adhere to the requirements of the bidding document.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	A camera system for locations where physical access to viewports is restricted.		
83.	**Ch 1_S2_TS_220kV GIS_RAT 11.1** *220kV System:* *- Rated Symmetrical Short-time Withstand Current (up to 1 s)- 50kA or 63kA* *- Rated Continuous Current : 3000A or 4000A*	With reference of mentioned clause, Values for rated busbar current & short time withstand current are different in SLD, Technical Data sheet & Technical specifications. Request to provide actual parameters to be followed.	MCA-Nepal confirms 4000 A continuous current rating & 50 kA for short circuit rating (1s) for both 400 kV and 220 kV systems. MCA-Nepal will issue the pertaining addendum to the Bidding Document.
84.	**Ch 1_S2_TS_220kV GIS_RAT RTE-100-4** *Busbar current: 4000A* *Rated Symmetrical Short-time Withstand Current (up to 1 s): 50kA*	With reference of mentioned clause, Values for rated busbar current & short time withstand current are different in SLD, Technical Data sheet & Technical specifications. Request to provide actual parameters to be followed.	MCA-Nepal confirms 4000 A continuous current rating & 50 kA for short circuit rating (1s) for both 400 kV and 220 kV systems. MCA-Nepal will issue the pertaining addendum to the Bidding Document.
85.	**Ch 1_S2_TS_220kV GIS_RAT 16.2** *1.8 Rated normal current feeder: 4000A* *1.10 Rated short-time withstand current (up to 1 s): 50kA*	With reference of mentioned clause, Values for rated busbar current & short time withstand current are different in SLD, Technical Data sheet & Technical specifications. Request to provide actual parameters to be followed.	MCA-Nepal confirms 4000 A continuous current rating & 50 kA for short circuit rating (1s) for both 400 kV and 220 kV systems. MCA-Nepal will issue the pertaining addendum to the Bidding Document.
86.	**Ch 1_S2_TS_220kV GIS_RAT 16.2** *3.1 Rated primary current & Ratio: 4000/1A*	With reference of mentioned clause, CT ratio given in SLD & technical datassheet are different. Request to provide actual parameters to be followed.	MCA-Nepal confirms adaptation of CT ratio of 4000/1 A.
87.	**Ch 1_S2_TS_220kV GIS_RAT RTE-100-4** *220KV GIS - CT Particular:* *Ratio: 3000/1A*	With reference of mentioned clause, CT ratio given in SLD & technical datas sheet are	MCA-Nepal confirms adaptation of CT ratio of 4000/1 A.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
		different. Request to provide actual parameters to be followed.	
88.	**Ch 1_S2_TS_220kV GIS_RAT 16.2** *4.8 Rated output: 1000 (minimum), each winding*	With reference of mentioned clause, VT burden value given in SLD & technical data sheet are different. Request to provide actual parameters to be followed.	The VT burden may be 1500 VA (Thermal rating), however it will be finalized during detailed design subject to approval by the Engineer.
89.	**Ch 1_S2_TS_220kV GIS_RAT RTE-100-4** *220KV GIS - VT Particular: Rated Output- 1500VA (Minimum)*	With reference of mentioned clause, VT burden value given in SLD & technical data sheet are different. Request to provide actual parameters to be followed.	The VT burden may be 1500 VA, however it will be finalized during detailed design subject to approval by the Engineer.
90.	**Ch 1_S2_TS_220kV GIS_RAT RTE-100-1, 100-2, 100-3, 100-4** 	Given SLD contains metering and differential protection class cores whereas only 5P20 accuracy class details are given in CT technical datasheet & CT particulars. Request to provide required CT accuracy classes with detail parameters like burden, knee point voltage, excitation current and Rct etc.	CT accuracy for metering to be as per the applicable standards. Bidders to propose according to their experience.
91.	**Ch 1_S2_TS_220kV GIS_RAT 11.27** *All terminals and control circuit wiring shall be capable of withstanding 1500 V ac, 50 Hz for one minute or 1800 V ac, 50Hz for one second in accordance with IEEE C37.122.*	Power frequency voltage withstand voltage shall be as per IEC standard. Request your kind acceptance.	Kindly adhere to the requirements of the bidding document.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
92.	**Ch 1_S2_TS_220kV GIS_RAT 12.2.4** *For the purpose of gas monitoring and maintenance, each circuit breaker bay shall have separate independent gas compartments for the circuit breaker, CTs, disconnect switches, maintenance earthing switches, high speed ground switches, voltage transformers, metal- enclosed surge s, cable sealing end enclosures, bus sections, gas-to-air-bushing modules and interface connections for future expansion of the GIS. Each switching device and earthing device shall have its own individual gas zone.*	For offered 400/220KV GIS- maintenance earthing switches, high speed ground switches shall be provided with disconnector compartment or any other adjacent gas compartment. Request kind acceptance on same.	Kindly adhere to the requirements of the bidding document.
93.	**Ch 1_S2_TS_220kV GIS_RAT 12.13.2** *Each cabinet shall be a NEMA 12 enclosure, as a minimum, for indoor application. Any outdoor junction boxes or marshalling cabinets shall be rated NEMA 4X and constructed of stainless steel.*	We will provide IP class as per IEC 60529 (IP43 class for indoor). Request an acceptance on same.	Accepted for indoor enclosures. For outdoor, NEMA 4X should be provided.
94.	**Ch 1_S2_TS_220kV GIS_RAT 12.13.5** *For any cabinets located outdoors, the top of the outdoor cabinets (where provided) shall be sloped (2% minimum) to prevent water*	For offered 400/220KV GIS floor mounted LCC cable entry shall be from bottom side. Please Confirm.	Kindly adhere to the requirements of the bidding documents. This will be finalized during detailed engineering

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	accumulation. A drip shield shall be provided above the cabinet door. It shall be rigidly braced and secured.		
95.	**Ch 1_S2_TS_220kV GIS_RAT 12.13.12** *d. One or two (one for each circuit breaker trip coil) red light-emitting diodes (LED) and one green LED for each circuit breaker, each disconnect and earthing (maintenance or high-speed) switch, for contact position indication on the mimic diagram. LEDs shall be visible when illuminated from a minimum of 2 meters away in bright sunlight. All indicating lights shall be capable of being seen without the necessity of opening any doors on the LCC.*	For the offered 220KV/400KV GIS, (red/green) indication lamps shall be provided however provision of any separate indication for trip/ close coil is not envisaged.	Kindly adhere to the requirements of the bidding document.
96.	**Ch 1_S2_TS_220kV GIS_RAT 12.13.12** *h. An annunciator (type and model to furnished by the Engineer/Employer) with Ethernet communications and global positioning system (GPS) time synchronization with the following alarms connected:*	Annunciator with RS485 shall be provided. Request an acceptance on same.	Annunciator details will be finalized during detailed engineering after approval by the Engineer.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
97.	**Ch 1_S2_TS_220kV GIS_RAT 12.13.12** *j. Terminal blocks and terminations for each input and output on the SCADA-I/O.Jumpers shall not be allowed on the device.* *k. Test switches shall be utilized to isolate each input and output of the SCADA-I/O devices.* *l. Test switches shall be utilized to isolate the contacts from control switches in the trip and close circuits of circuit breakers, disconnect switches, ground switches, and fast-acting ground switches.*	Kindly provide additional technical details for these points.	Will be finalized during detailed engineering after approval by the Engineer.
98.	**Ch 1_S2_TS_220kV GIS_RAT 12.13.12** *q. Visible secondary break disconnect devices in the voltage transformer wiring circuit for isolating all ungrounded voltage transformer secondary wiring circuits*	Disconnecting type terminal blocks shall be provided for CT and VT. Request an acceptance on same.	Kindly adhere to the requirements of the bidding documents. Details to be subject to approval by the Engineer
99.	**Ch 1_S2_TS_220kV GIS_RAT 12.14.1** *All control wiring shall comply with the requirements of the standards in the CODES AND STANDARDS section of this specification. All exterior wiring shall be enclosed in schedule 40, hot-dipped galvanized steel*	We understand that provision of cable trays for cables between GIS to LCC shall also be acceptable. Request to kindly confirm.	Confirmed.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	conduit. PVC conduit is not acceptable. All external mounting hardware and fasteners shall be stainless steel. Electro-galvanized fittings are not acceptable		
100.	**Ch 1_S2_TS_220kV GIS_RAT 12.14.2** *All current transformer secondary wiring in the LCC shall be minimum 6 mm2 stranded copper and all other wiring except for instrumentation shall be a minimum 2.5 mm2 stranded copper and as specified. All wiring shall be insulated for 600 volts with ETFE (Ethylene Tetrafluoroethylene) 150 °C insulation or approved equivalent.*	We recommend cable size of 4 mm2 for current transformer secondary and 1.5mm2 for all other wiring. Request an acceptance on same.	Kindly adhere to the requirements of the bidding document.
101.	**Ch 1_S2_TS_220kV GIS_RAT 12.14.2** *All current transformer secondary wiring in the LCC shall be minimum 6 mm2 stranded copper and all other wiring except for instrumentation shall be a minimum 2.5 mm2 stranded copper and as specified. All wiring shall be insulated for 600 volts with ETFE (Ethylene Tetrafluoroethylene) 150 °C insulation or approved equivalent.*	For the offered 400/220KV GIS, control cable material shall be FRLS (Fire Retardant Low Smoke) which also has similar properties as ETFE (Ethylene Tetrafluoroethylene). Request an acceptance on same.	Kindly adhere to the requirements of the bidding document.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
102.	**Ch 1_S2_TS_220kV GIS_RAT 12.14.3** *Wires shall be terminated using solder-less, compression type insulated ferrule , ring tongue terminals.*	Ring type terminals shall be provided. Request an acceptance on same.	Kindly adhere to the requirements of bidding document.
103.	**Ch 1_S2_TS_220kV GIS_RAT 12.14.3** *All lugs will be crimped with an approved type tool, and the indent shall be placed for continual inspection. Double lugging (two wires in one connector) is not permitted. Only one wire and lug per terminal is permitted. Connectors shall be rated for the wire size used. The use of shims to allow use of larger connectors is not acceptable.*	Plug type contacts shall be provided to this requirement.	Kindly adhere to the requirements of the bidding document.
104.	**Ch 1_S2_TS_220kV GIS_RAT 12.14.4** *Screws, with locking device, shall be non-ferrous and corrosion-resistant Philips fillister-head metal type. All metal parts of the terminal block shall be non-ferrous and corrosion-resistant.*	The make of this requirement shall be in line with manufacturers established supplier base which is in line with international standard. Request a confirmation on the same.	Confirmed.
105.	**Ch 1_S2_TS_220kV GIS_RAT 12.14.5** *All wiring and components, including relay coils, motor controls, etc., shall be minimum 600 V AC insulation class, where*	For the offered circuit breakers 10 kA interrupting shall be provided. Request a confirmation on the same.	Kindly adhere to the requirements of the bidding document.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	applicable. Circuit breakers shall be thermal magnetic and rated a minimum of 230 Volts AC, 20 kA interrupting.		
106.	**Ch 1_S2_TS_220kV GIS_RAT 12.7.6** *Voltage transformer secondary winding(s) shall be wired to terminal blocks located in a terminal box mounted directly on the voltage transformer. Voltage transformer secondaries shall be fused (except the neutral) or protected by circuit breakers, marked and connected through a Visible Secondary Break (VSB) disconnect device and then terminated on terminal blocks (type and model to be provided by the Employer) in the LCC.*	We understand that Visible Secondary Break (VSB) are nothing but Miniature Circuit Breakers (MCB). Please confirm whether our understanding is correct.	Please note that "Voltage transformer secondary shall be fused (except the neutral) or protected by circuit breakers" is already mentioned and these circuit breakers may mean Miniature Circuit Breakers (MCBs). As such Visible Secondary Break(VSB) shall mean something where one shall be able to verify(visibly) whether the contacts are open or closed, say something similar to AIS MV/HV Disconnector or Isolator where we can visually determine whether the Contacts (operated through blade) are closed or open.
107.	**Ch 1_S2_TS_220kV GIS_RAT 12.16** *SEISMIC DESIGN CRITERIA AND SUPPORT STRUCTURES*	- Structure material will be as per Indian Standard only, however the Tensile Strength will be as per American Standard. - The offered GIS structure shall be in line with IEC/ IS standard. Request a concurrence on the same.	Kindly adhere to the requirements of the bidding document.
108.	**Ch 1_S2_TS_220kV GIS_RAT 13.2.8** *e. Verification of thermal short-time current withstand*	For SF6/Air bushings, Calculation will be provided in line with IEC 60137. Request to kindly confirm.	Confirmed.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
109.	**Ch 1_S2_TS_220kV GIS_RAT 12.2.5** *Buffer gas compartments shall be provided between circuit breaker current transformer compartments and the associated isolating disconnect switches; between cable sealing ends and bus runs; between gas-to-air bushings and bus runs; between voltage transformers and voltage transformer disconnecting devices, to allow maintenance to be performed on the circuit breaker, cable termination, gas-to-air bushings, or voltage transformer without having to depressurize the adjacent switching device gas compartment.*	Request to note that in case of repair/maintenance the faulty bay is allowable to go out of service as per IEC 62271-203. Considering the same, providing buffer compartments between each modules is not envisaged. All the specific requirement of Service continuity shall be met by providing gas compartmentalization as per manufacturers type tested design	Accepted, provided that service continuity is maintained.
110.	**Ch 1_S2_TS_220kV GIS_RAT 12.2.10** *d. Ambient temperature gauge*	We recommend the provision of separate temperature monitoring IR Thermometer for this requirement. Kindly confirm	This will be finalized during detailed design to be approved by the Engineer.
111.	**Ch 1_S2_TS_220kV GIS_RAT 12.2.14** *4. Circuit Breaker and HSGS Block Level: This is the minimum gas density level at which the manufacturer will guarantee the rated fault interrupting capability of the breaker or the fault making capability of the HSGS. At this level the breaker block contact*	We require further technical details for this requirement.	Kindly adhere to the requirements of the specifications. Bidders to propose based on their experience.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	shall operate or the HSGS block contact shall operate, and the closing & tripping circuits for these switching devices shall be blocked. Each gas density monitoring device shall be individually adjustable and shall have electrically-independent contacts to include a slow leak detection circuit.		
112.	**Ch 1_S2_TS_220kV GIS_RAT 12.2.24** *The bursting pressure of the relief device shall be effectively coordinated with the rated gas pressure and the pressure rise due to arcing as described in IEEE Std. C37.122.*	The bursting pressure of the relief device shall be as per IEC 62271-203 standard. Please confirm.	Accepted.
113.	**Ch 1_S2_TS_220kV GIS_RAT 12.3.17** *A minimum of 20 "a" and 20 "b" auxiliary contacts shall be provided that are field reversible for the Employer's use.*	The Necessary contacts shall be provided using multiplier facility.	Confirmed.
114.	**Ch 1_S2_TS_220kV GIS_RAT 12.6.3** *All current transformers shall be multi- ratio.*	With reference of mentioned clause, multi ratio CTs are required but only single ratio CTs are given in SLD & Technical data sheet. Request to provide CT's with multiple ratios	Kindly adhere to the requirements of the bidding document.
115.	**Ch 1_S2_TS_220kV GIS_RAT 12.16.4** *The structures shall be designed in accordance with the latest edition*	The structures shall be designed in accordance with IEC standards. Request kind acceptance on same.	Kindly adhere to the requirements of the bidding document.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	of the American Institute of Steel Construction Manual.		
116.	**Ch 1_S2_TS_220kV GIS_RAT 13.2** *All type (design) tests on the GIS and GIS components shall have been previously conducted as specified in IEC 62271 and IEEE C37.122. Type tests shall verify that all components of the GIS perform satisfactorily, both electrically and mechanically, at the ratings assigned. Reports of the type testing shall be submitted with the bid.*	Offered GIS shall be tested in Line with IEC 62271-203	Confirmed.
117.	**Ch 1_S2_TS_220kV GIS_RAT 13.2.8** *Specific tests on SF6 to air bushings (when applicable) are as follows:* *b. Artificial pollution test*	As per IEC 60137, Artificial pollution test is not applicable.	Kindly adhere to the requirements of the bidding document.
118.	**Ch 1_S2_TS_220kV GIS_RAT 2** *HIGH VOLTAGE DESIGN PARAMETERS* *System X/R (maximum) X/R = TBD (shall be finalized after study report)*	Kindly provide the value for check and confirmation	X/R ratio value will be determined during the detailed engineering based on the Contractor's System Studies.
119.	**Ch 1_S2_TS_220kV GIS_RAT 1.16** *Ambient temperature range: -30 up to +40°C*	Ambient temperature range given in project specific document & technical data sheet are different. Request to provide actual Ambient temperature to be followed	The Ambient temperature range shall be: -30 up to +40°C

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
			The ambiguity in the PSR may be corrected after issuance of an addendum to the bidding document after approval from the authority.
120.	**Lot1_RAT_PSR 1.2.1** *Temperature Maximum annual ambient temperature 40 °C* *Minimum annual ambient temperature 1 °C*	Ambient temperature range given in project specific document & technical data sheet are different. Request to provide actual Ambient temperature to be followed	The Ambient temperature range shall be: -30 up to +40°C The ambiguity in the PSR may be corrected after issuance of an addendum to the bidding document after approval from the authority.
220kV & 400kV BOQ			
121.	**Lot 1_RAT_Base & Lot 1_RAT_Option 2.7.1.1** *SF6 Circuit Breaker, 220kV, 4000A, 50kA, Three Pole*	The 220kV GIS Circuit breaker shall be without controlled switching device, kindly confirm	Kindly adhere to the requirements of the bidding document.
122.	**Lot 1_RAT_Base & Lot 1_RAT_Option 2.7.1.9** *Bay Local Control Cabinet including (device controls, instrumentation, interlocking, annunciation, gas density monitoring, circuit breaker monitoring)*	The Local controlled cabinet shall be provided with hardwired logic, all the necessary software based logic shall be a part of BCU that will be incorporated in CRP. Kindly confirm if our understanding is in line with the requirements	Detailed design, subject to approval by the Engineer. It is also suggested to include switching controllers to be validated by the Engineer at the design review stage.
123.	**Lot 1_RAT_Base & Lot 1_RAT_Option 2.7.1.10** *Partial Discharge Monitoring System including monitoring sensors and diagnostic equipment (per bay)*	PD Monitoring system shall be 1 Set applicable for complete GIS bays of the 220kV Substation. Kindly confirm	To follow technical specifications. However, it is accepted a single monitoring system that will monitor all GIS compartments and apparatus.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
124.	**Lot 1_RAT_Base & Lot 1_RAT_Option 2.7.1.14** *Three Single Phase Gas Insulated bus (GIB) and required GIS Termination along with supports for GIB run for the whole Line/Feeder : 2 Bays*	We infer that the unit of measurement for GIB should be in meters, the exact value of which will be shared with the technical offer. Kindly confirm	Bidders need to provide all the necessary length of GIB along with support for the required numbers of line/feeder bay. Please note that the purpose of price schedules is to identify the Bid Price which will be used to determine progress payments. The Bidder shall quote the price under the Price Schedule required to carry out the Work stated under Employer's Requirements (including technical specifications) based on the Conditions of Contract.
125.	**Lot 1_RAT_Base & Lot 1_RAT_Option 2.7.4.1** *220kV , Double 3 single phase (isolated), SF6 gas insulated , metal enclosed 4000A bus bars each enclosed in three individual bus enclosures per diameter : 2 Diameter*	The Unit for this item should be in Set. Kindly confirm	The price schedule is of set for each diameter. Please note that this is a turnkey project, and the Contractor must supply a complete and functional installation.
CT & VT Parameters			
126.	**DWG_Combined_Optimized RTE-100-1, 100-2, 100-3, 100-4**	For the offered 400/220KV GIS CT, the best technically feasible burden for the offered compact design shall be 20VA. We request your review & confirmation on same.	For bidding purposes, follow the requirements of drawings and TDS. At the detailed design stage, the contractor will have to show by calculation, the appropriate burden of the CT.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	400kV GIS - CT PARTICULAR SPECIFICATION | I CORE | II CORE | III CORE RATIO (TR - TURNS RATIO) | MULTI RATIO 4000:1A CLASS | 5P20, 200VA RATED SECONDARY CURRENT | 1A | 1A | 1A THERMAL RATING FACTOR PER IEEE C37.13 | 1.5 | 1.5 | 1.5 220kV GIS - CT PARTICULAR SPECIFICATION | I CORE | II CORE | III CORE RATIO (TR - TURNS RATIO) | MULTI RATIO 3000:1A CLASS | 5P20, 200VA RATED SECONDARY CURRENT | 1A | 1A | 1A THERMAL RATING FACTOR PER IEEE C37.13 | 1.5 | 1.5 | 1.5		
127.	**DWG_Combined_Optimized RTE-100-1, 100-2, 100-3, 100-4**	Kindly note that, for the offered 400/220KV GIS PT shall be in line with IEC standard and confirm to the following specification, Thermal burden : 750VA Normal VA burden : 100VA Accuracy class: winding-1 : 100VA/0.2 & winding-2 : 100VA/3P We request your review & confirmation on same.	For bidding purposes, follow the requirements of drawings and TDS. At the detailed design stage, the contractor will have to show by calculation, the appropriate burden of the CT

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	400kV GIS - PT PARTICULAR SPECIFICATION: SECONDARY I / II PRIMARY VOLTAGE LINE-TO-GROUND (kV): 400/√3 RATIO: 2100:1 (TWO TAPS PER WINDING) ACCURACY: 0.3 WXYZ RATED OUTPUT: 1500 VA (MINIMUM) / 1500 VA (MINIMUM) APPLICATION: RELAYING & INTERLOCKING; LOADS & LINES / RELAYING & INTERLOCKING; LOADS & LINES 220kV GIS - PT PARTICULAR SPECIFICATION: SECONDARY I / II PRIMARY VOLTAGE LINE-TO-GROUND (kV): 220/√3 RATIO: 1155:1 (TWO TAPS PER WINDING) ACCURACY: 0.3 WXYZ RATED OUTPUT: 1500 VA (MINIMUM) / 1500 VA (MINIMUM) APPLICATION: RELAYING & INTERLOCKING; LOADS & LINES / RELAYING & INTERLOCKING; LOADS & LINES		
		Additional points	
128.	**Ch 1_S2_TS_220kV GIS_RAT 12.2.6** *For breaker-and-a-half, double bus single breaker, double bus double breaker and single bus single breaker arrangements, gas zones for main buses shall be segregated on a per diameter or bay basis (i.e., gastight barriers shall be installed in the main bus enclosures between each diameter or bay connecting the main buses).*	For 220 & 400KV GIS, offered busbar design is passive. We meet the requirement of service continuity, maintenance & repair without provision of any barrier in busbar. All the requirement of repair & maintenance as per specifications are met with passive non-segrigated busbar design hence we request an acceptance of this design.	Kindly adhere to the requirements of the bidding document.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
129.	**DWG_Combined_Optimized RTE- 100-3** 	**For 220KV GIS:** From given reference SLD, Option scope (i.e. Future lines) highlited in red colour are located between base firm scope. Technically it is not feasible to do future extension in middle of two bays or diameter. Hence we are considering future lines at one end of GIS. We request an acceptance of this design.	The extension will be planned in accordance with the design submitted by the Contractor that will be subjected to approval by the Engineer during detailed engineering.
167MVA 400/√3/220/√3/33 Auto transformer (1Ph Auto Trafo_Lot1_RAT)			
130.	**CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements Section V – B1 (Technical Specifications) 1.1, d, page 1** *The autotransformers shall in general have constant ohmic impedance between HV and IV on all taps. In the case of parallel operation with multiple autotransformers the following shall apply:* *i. The impedance, vector group, OLTC connection & range etc. of all autotransformers is to be matched.* *ii. Necessary provisions are to be made in the autotransformer control scheme for parallel operation including Master/Follower/Independent/Off*	Please provide the existing transformer data, if applicable	There are no "existing transformers" of given voltage. Ratio transformers supplied under this Contract will be the first ones and the offered transformers should be able to run in parallel.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	type OLTC control scheme. *iii. Matching of physical dimension, orientation etc. to facilitate interchangeability with the designated spare single phase autotransformer.*		
131.	**CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements Section V – B1 (Technical Specifications)** **3.3, b, page 19** *All windings shall be furnished with insulation that will permit continuous operation at a winding rise of 55°C above ambient and a hotspot rise of 90°C above ambient without affecting the normal life expectancy of insulation.* **3.8, ii, 25** *Winding temperature rise by resistance shall not exceed 65° C and hottest spot winding temperature rise shall not exceed 80° C for the full range of transformer operation.* **Technical Data Sheet 13.2, Page 3** *Of winding measured by the resistance method °C 55*	First two requirements are contradictory. Please provide requirement	MCA-Nepal may issue an addendum to the bidding document to correct the ambiguity in the Bidding Document after receiving approval from the authority as follows: Winding temperature rise by resistance shall not exceed 55° C and hottest spot winding temperature rise shall not exceed 90° C for the full range of transformer operation.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
132.	**CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements Section V – B1 (Technical Specifications) 3.5, XII** *Suitable insulating cap (preferably of porcelain) shall be provided on the terminal of tertiary winding bushings to avoid accidental external short circuit.*	Insulating caps are not applicable since it is loaded tertiary	It is confirmed that no insulating caps will be provided on tertiary.
133.	**CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements Section V – B1 (Technical Specifications) 5.1, (b), viii** *Check on completed core for measurement of iron loss and check for any hot spot by exciting the core so as to induce the designed value of flux density in the core*	No load loss measurement, hot spot temperature will be measured in final acceptance test. Core satge inspection it is not recommended since top yoke will be not available. Top yoke assembly will be done after placing windings.	Kindly adhere to the requirements of the bidding document.
134.	**CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements Section V – B1 (Technical Specifications) 5.2, C,(i), Page 47** *Bushing (Type Test per IEC 60137, including snap back/seismic test)*	As per IEC these are special test. Hence requesting to remove the tests. Instead of test reports, calculations will be provided.	Kindly adhere to the requirements of the bidding document.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
135.	**B1.1 PROJECT SPECIFIC REQUIREMENT (PSR) 1.1,C,page 1.** *c. The Ratmate substation shall be established as a 400kV Gas Insulated Substation (GIS) and a 220kV Gas Insulated Substation (GIS), both in One and a Half Breaker bus configuration. It shall also include seven (7), 1-Ph, 400/√3/220/√3/33 kV, 167 MVA, Autotransformers, and all related control and protection systems*	We understand that 7 numbers of 167MVA transformers are located in Ratmate substation, which has an altitude of 432 meters. Please confirm	Kindly refer to the Employer's requirements for your clarification.
136.	**B1.1 PROJECT SPECIFIC REQUIREMENT (PSR) 1.2.1** *Altitude Ratmate: 492 m*		However, please note that IFB mentions the altitude at Ratmate Substation is 492 m.
137.	**B1.1 PROJECT SPECIFIC REQUIREMENT (PSR) 2.1.1, (d), Page 9** *d. 400 kV GIS Autotransformer Bay with required GIB, 2 Nos, to connect Two Autotransformer Banks each of 3x1ϕ, 400/√3/220/√3/33 kV, 167 MVA with 1ϕ as Spare included in the Scope of Work.* **2.1.1, (h), Page 9** *h. 220 kV GIS bays with required GIB, 2 nos. for 220 kV future lines including GIB termination along with supporting structure but without outdoor AIS equipment*	We understand that 400kV side of transformer is connected to GIB. Hence Transformer 400kV side should be suitable for GIB connection. Please confirm We understand that 220kV side of transformer is connected to GIB. Hence Transformer 220kV side should be suitable for GIB connection. Please confirm For 33kV bushing air insulated cable box along with dis-connecting chamber will be provided for 33kV XLPE cable connection. - Please confirm	Confirmed. Confirmed. Confirmed.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	3.11, page 28 & 29 ● *33 kV XLPE cables from the 33 kV Equipment up to the 33 kV bushings of the 400/220/33 kV Auto transformer* ● *Pot heads, termination kits or any other materials required to connect 33 kV cables from Auto transformer tertiary to the 33 kV equipment.*		
315MVA 400/√3/220/√3/33 Auto transformer (3Ph Auto Trafo_Lot2_NBW)			
138.	**CHAPTER 3: AUTOTRANSFORMER SPECIFICATION Part 2: Employer's Requirements Section V – B1 (Technical Specifications) 1.1, d, page 1** *In the case of parallel operation with multiple autotransformers the following shall apply:* *i. The impedance, vector group, OLTC connection & range etc. of all autotransformers is to be matched.* *ii. Necessary provisions are to be made in the autotransformer control scheme for parallel operation including Master/Follower/Independent/Off type OLTC control scheme.* *iii. Matching of physical dimension, orientation etc. to*	Please provide the existing transformer data, if applicable	There are no "existing transformers" of given voltage. Ratio transformers supplied under this Contract will be the first ones and the offered transformers should be able to run in parallel.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	facilitate interchangeability with the designated spare single phase autotransformer.		
139.	**CHAPTER 3: AUTOTRANSFORMER SPECIFICATION Part 2: Employer's Requirements Section V – B1 (Technical Specifications) 1.1, f, page 1** *In the former case the contractor shall comply with the weight limitation on transport to the site and handling facilities at the substation.*	Please provide transport weight and dimensions limitations.	Please refer to Annex B01_11_Road assessment survey report for the transportation of bulky equipment. Please note that the report was prepared many years back and can be a reference document only and MCA-Nepal will not be liable in case the information in the report does not match with the current ground reality. Bidders are expected to conduct their own survey as required.
140.	**CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements Section V – B1 (Technical Specifications) 3.3, b, page 19** *All windings shall be furnished with insulation that will permit continuous operation at a winding rise of 55°C above ambient and a hotspot rise of 90°C above ambient without affecting the normal life expectancy of insulation.* **3.8, ii, 25** *Winding temperature rise by resistance shall not exceed 650C and hottest spot winding*	First two requirements are contradictory. Please provide requirement	MCA-Nepal may issue an addendum to the bidding document to correct the ambiguity in the Bidding Document after receiving approval from the authority as follows: Winding temperature rise by resistance shall not exceed 55° C and hottest spot winding temperature rise shall not exceed 90° C for the full range of transformer operation.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	temperature rise shall not exceed 800C for the full range of transformer operation **Technical Data Sheet 18.2, Page 3** *Of winding measured by the resistance method °C 55*		
141.	**CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements Section V – B1 (Technical Specifications) 3.5, XII ,page 24** *Suitable insulating cap (preferably of porcelain) shall be provided on the terminal of tertiary winding bushings to avoid accidental external short circuit.*	Insulating caps are not applicable since it is loaded tertiary	It is confirmed that no insulating caps will be provided on tertiary.
142.	**CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements Section V – B1 (Technical Specifications) 5.1, (b), viii** *Check on completed core for measurement of iron loss and check for any hot spot by exciting the core so as to induce the designed value of flux density in the core*	No load loss measurement, hot spot temperature will be measured in final acceptance test. Core satge inspection it is not recommended since top yoke will be not available. Top yoke assembly will be done after placing windings.	Kindly adhere to the requirements of the bidding document.
143.	**CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 :**	As per IEC these are special test. Hence requesting to remove the tests. Instead of test reports, calculations will be provided.	Kindly adhere to the requirements of the bidding document.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	Employer's Requirements Section V – B1 (Technical Specifications) 5.2, C,(i), Page 48 *Bushing (Type Test per IEC 60137, including snap back/seismic test)*		
144.	**B1.1 PROJECT SPECIFIC REQUIREMENT (PSR) 2.1.1, (c), Page 8** *c. 400 kV GIS Auto Transformer bay with required GIB, 2 nos. bay for connecting two (2), 3-Ph, 400/220/33 kV, 315 MVA, Auto Autotransformers, along with supply and installation of these Autotransformers.* **2.1.1, (d), Page 8** *d. 220 kV AIS, 2 nos. bays for connecting two (2), 3-Ph, 400/220/33 kV, 315 MVA, Auto Autotransformers* **3.11 page 23** ● *33 kV XLPE cables from the 33 kV Equipment up to the 33 kV bushings of the 400/220/33 kV Autotransformer* ● *Pot heads, termination kits or any other materials required to connect 33 kV cables from Autotransformer tertiary to the 33 kV equipment.*	We understand that 400kV side of transformer is connected to GIB. Hence Transformer 400kV side should be suitable for GIB connection. Please confirm. We understand that 220kV side of transformer is connected to AIS. Hence Transformer 220kV side should be suitable for outdoor over head lines connection. Please confirm. For 33kV bushing air insulated cable box along with dis-connecting chamber will be provided for 33kV XLPE cable connection. - Please confirm.	Confirmed. Confirmed. Confirmed.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
167MVA 400/√3/220/√3/33 Auto transformer (1Ph Auto Trafo_Lot1_NDM)			
145.	**CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements Section V – B1 (Technical Specifications) 1.1, d, page 1** *The autotransformers shall in general have constant ohmic impedance between HV and IV on all taps. In the case of parallel operation with multiple autotransformers the following shall apply:* *i. The impedance, vector group, OLTC connection & range etc. of all autotransformers is to be matched.* *ii. Necessary provisions are to be made in the autotransformer control scheme for parallel operation including Master/Follower/Independent/Off type OLTC control scheme.* *iii. Matching of physical dimension, orientation etc. to facilitate interchangeability with the designated spare single phase autotransformer.*	Please provide the existing transformer data, if applicable	There are no "existing transformers" of given voltage. Ratio transformers supplied under this Contract will be the first ones and the offered transformers should be able to run in parallel.
146.	**CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 :**	Please provide transport weight and dimensions limitations.	Please refer Annex B01_11_Road assessment survey report for the transportation of bulky equipment. Please

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	Employer's Requirements Section V – B1 (Technical Specifications) 1.1, f, page 1 *In the former case the contractor shall comply with the weight limitation on transport to the site and handling facilities at the substation*		note that the report was prepared many years back and can be a reference document only and MCA-Nepal will not be liable in case the information in the report does not match with current ground reality. Bidders are expected to conduct their own survey as required.
147.	**CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements Section V – B1 (Technical Specifications) 3.3, b, page 19** *All windings shall be furnished with insulation that will permit continuous operation at a winding rise of 55°C above ambient and a hotspot rise of 90°C above ambient without affecting the normal life expectancy of insulation.* **3.8, ii, 25** *Winding temperature rise by resistance shall not exceed 65° C and hottest spot winding temperature rise shall not exceed 80° C for the full range of transformer operation.* **Technical Data Sheet 13.2, Page 3**	First two requirements are contradictory. Please provide requirement	MCA-Nepal may issue an addendum to the bidding document to correct the ambiguity in the Bidding Document after receiving approval from the authority as follows: Winding temperature rise by resistance shall not exceed 55° C and hottest spot winding temperature rise shall not exceed 90° C for the full range of transformer operation.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	Of winding measured by the resistance method °C 55		
148.	**CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements Section V – B1 (Technical Specifications) 3.5, XII** *Suitable insulating cap (preferably of porcelain) shall be provided on the terminal of tertiary winding bushings to avoid accidental external short circuit.*	Insulating caps are not applicable since it is loaded tertiary	It is confirmed that no insulating caps will be provided on tertiary.
149.	**CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements Section V – B1 (Technical Specifications) 5.1, (b), viii** *Check on completed core for measurement of iron loss and check for any hot spot by exciting the core so as to induce the designed value of flux density in the core*	No load loss measurement, hot spot temperature will be measured in final acceptance test. Core satge inspection it is not recommended since top yoke will be not available. Top yoke assembly will be done after placing windings.	Kindly adhere to the requirements of the bidding document.
150.	**CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements Section V – B1 (Technical Specifications) 5.2, C,(i), Page 48**	As per IEC these are special test. Hence requesting to remove the tests. Instead of test reports, calculations will be provided.	Kindly adhere to the requirements of the bidding document.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	Bushing (Type Test per IEC 60137, including snap back/seismic test)		
151.	**B1.1** **PROJECT SPECIFIC REQUIREMENT (PSR)** **2.1.1, (c), Page 9** *c. 400 kV GIS Autotransformer Bay with required GIB, 2 Nos, to connect Two Autotransformer Banks each of 3x1ϕ, 400/√3/220/√3/33 kV, 167 MVA with 1ϕ as Spare included in the scope of Works.* **3.10 (h), Page 20** ● *220 kV HV cables from Auto Transformer to the 220 kV GIS including the outdoor terminations at the Auto Transformer end and the termination at the GIS end.* **3.10, page 20** ● *33 kV XLPE cables from the 33 kV Equipment up to the 33 kV bushings of the 400/220/33 kV Autotransformer* ● *Pot heads, termination kits or any other materials required to connect 33 kV cables from Autotransformer tertiary to the 33 kV equipment..*	We understand that 400kV side of transformer is connected to GIB. Hence Transformer 400kV side should be suitable for GIB connection. Please confirm. We understand that 220kV side of transformer is cable connection. In this regard, we will be provided 220kV side oil-air cable termination. Please confirm. For 33kV bushing air insulated cable box along with dis-connecting chamber will be provided for 33kV XLPE cable connection. - Please confirm.	Confirmed. Confirmed. Confirmed.
152.	**PART 2 –EMPLOYER'S REQUIREMENTS B1.1 PSR**	Does separate operating mechanism for high-speed earthing switches accepted?	Kindly adhere to the requirements of the bidding document.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	3.1 400kV NEWBUTWAL GISSUBSTATION f. Line Feeder Circuit Breaker Bay Elements *v.(1)one set of the three-pole group operated high-speed earthing switches complete with manual and motor driven operating mechanisms*		
153.	**PART 2 –EMPLOYER'S REQUIREMENTS B1.1 PSR 3.1 400kV NEWBUTWAL GISSUBSTATION f. Line Feeder Circuit Breaker Bay Elements** *vii.(1)one three-phase set of gas-to-air bushings.*	Which type of bushing is required? Porcelain or composite ? Kindly clarify.	Bidders are requested to refer to CHAPTER 18: MISCELLANEOUS SPECIFICATION, Part 2: Employer's Requirements, Section V – B1 (Technical Specifications) for your clarification.
154.	**PART 1 Bidding procedures. Section 4 Bid submission form financial offer forms BOQ Lot 2 base** *2.6.1.5 Line/Feeder High Speed Earthing Switches, with removable earthing link400kV, 50kA, single-phase, three-phase set*	Kindly clarify what is removable earthing link ?	Removable link provides low voltage test provisions to permit testing at each maintenance grounding switch at voltages up to 10 kV, and up to 200 A. The provisions allow the test voltage and current to be applied to the conductor without removing SF6 gas or other components. All maintenance grounding switches shall be insulated to provide connections to the internal bus for timing and/or resistance measurements. The dielectric withstand capability of this insulation shall be 10kVrms. The removable ground connection shall be

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
			sized for the GIS short-time current withstand rating.
155.	**PART 1 Bidding procedures. Section 4 Bid submission form financial offer forms BOQ Lot 2 base** *2.6.1.6 Voltage Transformers, 400kV, dual secondary, with earthing link, Single-phase, Three-phase set*	Kindly clarify what is dual secondary, with earthing link ?	Bidders are requested to refer to CHAPTER 1: 420kV GIS Technical Specification under Part 2: Employer's Requirements, Section V – B1 (Technical Specifications) for your clarification.
156.	**PART 2 –EMPLOYER'S REQUIREMENTS B1.1 Drawings BOQ 2.6.4.3 & PSR3.1** *e. Main Bus Elements iii. (3) three high-speed earthing switches complete with manual and motor-driven operating mechanisms*	In SLD is mentioned ES required. Which one should be followed ?	Please note that the purpose of the price schedules is to identify the Bid Price which will be used to determine the progress payments. The Bidder shall quote the price under the Price Schedule required to carry out the Work stated under the Employer's Requirements (including technical specifications) based on the Conditions of Contract.
157.	**PART 2 –EMPLOYER'S REQUIREMENTS B1.1 PSR Single line diagrams** *Legend 400kV Motorized operated isolator with one motorized earth switch with mechanical interlocking.*	Does Electrical interlocking is accepted?	Kindly adhere to the requirements of the bidding document.
158.	**scope of supply Single line diagrams**	The GIS supply scope mentioned in SLD is Within the dashed range. Kindly confirm.	Kindly refer to the scope of works presented in PART 2 –EMPLOYER'S REQUIREMENTS for your clarifications.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
159.	**PART 2 –EMPLOYER'S REQUIREMENTS B1.1 PSR 3.1 400kV NEWBUTWAL GIS SUBSTATION** *k. Line Feeder and associated tie breaker*	The circuit breaker included PIR and CSD? Kindly confirm.	Bidders are requested to refer to CHAPTER 1: 420kV GIS Technical Specification under Part 2: Employer's Requirements, Section V – B1 (Technical Specifications) for your clarification.
160.	**Single line diagrams** *CT core type mentioned in single line diagram have metering, Protection and spare. CT parameters mentioned in table have 5P20 only.*	400 GIS CT parameters mentioned in SLD incomplete. Kindly supply Measurement rating, spare etc. all CT parameters for costing.	Bidders are requested to refer to CHAPTER 1: 420kV GIS Technical Specification under Part 2: Employer's Requirements, Section V – B1 (Technical Specifications) for your clarification.
161.	**PART 2 –EMPLOYER'S REQUIREMENTS B11_PSR LOT1 RAT DWG** *RTE_300_1 400 & 220KV GIS BUILDINGGENERAL ARRANGEMENT*	LCC panels are located in contral & relay rooms showing in drawing no. RTE_300_1. The length of contral & relay room is not sufficient our equipment's. Shall we put our LCC panel in GIS bildi ?	The provided documents are for reference purposes only. The Contractor needs to prepare specific design and drawings during detailed engineering, meeting the technical specifications and will be subjected to approval by Engineer.
162.	**Electrical New Ratmate Substation, 221123_Lot1_Rat_PS_Base & Option** *Mandatory spare parts for 400kV and220kV GIS Base BOQ Item 2.18 & Option BOQ Item 3.18*	Mandatory spare parts for 400kV and 220kV GIS are item 2.18 and 3.18 mentioned in Base BOQ and Option BOQ respectively. The content are same. If you choose Option , shall we supply two sets ?	Please be informed that the scope of work has been classified into two categories. (i) Base Scope of work, (ii) Option Scope of work with some additional work in the Base Scope of work. The Employer shall exercise either Base Scope, or Option Scope of work based on the availability of funds.
163.	**PART 2 –EMPLOYER'S REQUIREMENTS B11_PSR LOT1_RAT_DWG RTE_300_1 400 & 220KV GIS BUILDING GENERAL**	1.In general layout and BOQ ,there is a single phase Aux-bus duct. However, there is not mentioned in single line diagram. Kindly clarify the location of single phase aux-busduct in single line diagram.2. Item 2.6.2.14 " jumpers, required	The provided documents are for reference purposes only. The Contractor needs to prepare specific design during detailed engineering, meeting the technical specifications and scope of works as

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	ARRANGEMENT RTE_100_1 &RTE_100_2 **Single line diagrams** *Breakdown of Rates and Prices Schedule No. 2. Plant, Goods and Equipment(Including Mandatory Spare Parts) Supplied from Abroad 2.6.2.14Isolating & Earthing Switches, 400kV,4000A, 50kASingle phase, and Auxiliar y Gas Insulated Bus (GIB) for Spare Transformer Operation, GIS to AIS Bushing termination, jumpers, required CT, Al.tube, metering, control and protection as required all complete. 33kV isolators,*	CT, Al. tube, metering, control and protection as required all complete. 33kV isolators, 33kV cables , jumpers as required all complete. "We think the above content should not in GIS scope. Kindly confirmed.3.How many Isolating & Earthing Switches should have in single phase Aux-busduct ?	defined in the Employer's requirements. The submitted design and drawings will be subjected to the approval of the Engineer.
164.	**PART 2 –EMPLOYER'S REQUIREMENTS B11_PSR LOT1_RAT_DWG** **Lot2_NBW_DWG** **Lot3 NDM_DWG** RTE_200_1 GENERAL ARRANGEMENT NBW_200_1 GENERAL ARRANGEMENT NDM_200_1 GENERAL ARRANGEMENT	There are no detailed bushing location. It means that we do not know the quantity of outdoor bus duct. It is hardly to give accurate quotation. Kindly supply the location of bushing or outdoor GIB length.	The provided documents are for reference purposes only. The Contractor needs to prepare specific design during detailed engineering, meeting the technical specifications and scope of works as defined in the Employer's requirements. The submitted design and drawings will be subjected to the approval of the Engineer. Furthermore, please be informed this is a Design & Build Contract, the Bidder shall quote the price under the Price Schedule required to carry out Work stated under Employer's Requirements (including

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
			technical specifications) based on the Conditions of Contract.
165.	**PART 2 –EMPLOYER'S REQUIREMENTS B12_TS** *Density monitor technique specification.*	We do not find density monitor technique specification in GIS TS. Do you have any density monitor manufacture requirements? Whether density monitor online system required or not? Kindly clarify	Bidders are requested to refer to CHAPTER 1: 420kV GIS Technical Specification under Part 2: Employer's Requirements, Section V – B1 (Technical Specifications) for your clarification.
166.	**PART 2 –EMPLOYER'S REQUIREMENTS B11_PSR LOT1 RAT DWG Single line diagrams** *There are two barriers between CT and DS components.*	Our conventional structure between CT and DS have one barrier only. Is it accepted from MCA? Kindly clarify.	Kindly adhere to the requirements of the bidding document.
167.	**PART 2 –EMPLOYER'S REQUIREMENTS B12_TS 420kV GIS Specification_GTP** *Indoor CT minimum temperature is -30℃..*	Indoor -30℃.? Kindly clarify the minimum temperature in GIS building?	Kindly adhere to the requirements of the bidding document.
168.	**PART 2 –EMPLOYER'S REQUIREMENTS B12_TS 220913_Lot3_NDM_TS** *The GIS equipment shall be designed to minimize partial discharge or other electrical discharge. A state-of-the art Partial Discharge Monitoring system shall be provided to monitor the entire GIS installation*	The PD online monitoring system quotation included all option GIS. Kindly clarify.	Kindly adhere to the requirements of the bidding document.
169.	**Part 2,Section V,B02_GTR,220913_B02_GTR**	In qualification and evaluation criteria , there is no STL TYPE TEST reports required. But in	Type tests shall be carried out as per IEC in Short-Circuit Testing Liaison (STL) –

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	10.3 The test reports submitted shall be of the tests conducted within thelast10 (ten) years before the originally scheduled date of bid opening. In case the test reports are of tests conducted earlier than 10 (ten) years before the originally scheduled date of bid opening, the Contractor shall repeat these test(s)at no extra cost to the Employer. However, in the case of 400 kV and 220 kV GIS switchgear (circuit breaker ,isolators, earthing switches, instrument transformers, SF6/air & oil bushings ,etc.) type tests shall be carried out asper IEC in Short-Circuit Testing Liaison(STL)– Accredited Laboratory.10.4 If the manufacturer had not successfully carried out complete type test as per IEC in Short-Circuit Testing Liaison (STL)- Accredited Laboratory as on the originally scheduled date of bid opening, the Bidder shall submit undertaking letter along with bid to carry out the mentioned test in Short-Circuit Testing Liaison (STL) -Accredited Laboratory from offered manufacturer without any extra cost to.	GTR 10.3, it is clearly required. Our type tests are doing in Chinese laboratory witness by STL members. Is it accepted ? Kindly clarify.	Accredited Laboratory. Bidders are requested to adhere to the requirements of the bidding document.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
SN	**Reference to the Bidding Document**	**Questions from Bidders**	**Response of Millennium Challenge Account Nepal (MCA-Nepal)**
For 44 KV GIS Substation and Adding Two 220 KV AIS Bays at New Butwal of Nepal			
170.	**Project Specific Requirement, Cl. 3.1.(g)** Detailed Scope of Work	Kindly clarify the requirement of GIS busdct and gas to air bushings for future line bays (6Nos.) & future transformer bays (2Nos.) which are part of optional scope.	400 kV GIS bays with required GIB, 6 nos. for 400 kV D/C Quad Moose ACSR future lines including GIB termination along with supporting structure but without outdoor AIS equipment. Similarly, 400 kV GIS Autotransformer Bay with required GIB, 2 Nos., to connect future Autotransformer of 3-phase, 400/√3/220/√3/33 kV, 315 MVA including GIB termination along with supporting structure is the requirement. Bidders are requested to refer clause 2.2 of Project Specific Requirement of New Butwal Substation (221123_Lot2_NBW_PSR) under Part 2 - Employer's Requirement of the bidding document.
171.	**Project Specific Requirement, Cl. 3.1.(k)** Detailed Scope of Work	Kindly confirm the requirement PIR for main & tie breaker for future line bays which are part of optional scope.	The use of PIR and CPWSD for line feeders and associated tie breakers could be confirmed only after conducting Transient Switching Study by the Contractor and develop respective detailed specifications for PIR as per the relevant IEC/IEEE standards.
172.	**Project Specific Requirement, Cl. 3.8**	Kindly provide the make of SDH / PDH at Gorakhpur S/S.	The make of SDH/PDH at Gorakhpur S/S will be made available to the successful

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	Automation And Telecommunication System		bidder during the execution of the Contract.
173.	**Project Specific Requirement, Cl. 3.9** Control & Protection	Kindly confirm the details of Control & Protection panels for remote end substations.	Requirement of control & protection panels for remote end substations will be shared to the successful bidder during the execution of the Contract.
174.	**Project Specific Requirement, Cl. 3.9** Control & Protection	Main -1 & Main -2 protection for line bays as differential. We propose main -1 differential and main-2 distance. In case it is differential, kindly confirm availability at remote end s/s.	The requirement will be finalized during detailed Engineering subject to the approval of the Engineer. Furthermore, information regarding the same will be shared to the successful bidder during the execution of the Contract.
175.	**Project Specific Requirement, Cl. 2.2** Optional Scope of Work	Kindly confirm the scope of C&R panels for future bays.	The bidders are requested to quote their price considering that the future bays shall not include the feeder Control, Relay & Protection panels but shall include diameter protection, Local Control Panels and Substation Automation System. The protection of the associated stubs and of the tie breaker shall also be included. Bidders are requested to refer clause 2.2 of Project Specific Requirement of New Butwal Substation (221123_Lot2_NBW_PSR) under Part 2 - Employer's Requirement of the bidding document.
176.	**Project Specific Requirement, Cl. 3.10** Fire Protection System	Fire detection & protection for 2 nos. 315MVA ICT is in present scope. Kindly confirm.	Confirmed.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
177.	**Drawing Nos.-NBW_230_1_Rev _3**	Kindly confirm if spacing and number of rods indicated are to be considered or contractor can propose the design as per site conditions during detailed engineering.	The contractor can propose the design as per site conditions during detailed engineering. The offered design shall be subject to the approval of the Engineer during detailed engineering.
178.	**Drawing Nos.- NBW_120_1_Rev_2**	Kindly confirm the location of C&R panels to be supplied under present scope.	Location of the C&R panels will be proposed by the Contractor during detailed engineering subject to the approval of the Engineer and shall be manufactured (as applicable), supplied and installed as per the requirements of the Contract only after approval by the Engineer.
179.	**Drawing Nos.NBW_101_1_Rev_3**	In case only base scope is executed, sequence of bays as shown in SLD shall change.	The sequence may change in detailed engineering subject to the approval of Engineer.
180.	**Breakdown of Rates & Price Schedule No.2** AIS HV and MV Equipment	Kindly provide the rating of CVT.	Kindly refer to Chapter 2: Outdoor Switchgear Specifications of Technical Specifications of New Butwal Substation (220913_Lot2_NBW_TS) under Part 2- Employer's Requirement of the bidding document for your clarifications.
181.	**Breakdown of Rates & Price Schedule No.2** AIS HV and MV Equipment	Kindly confirm the requirement of 400kV CT as "Live Tank" or "Dead Tank".	The same will be decided during detailed engineering subject to the approval of the Engineer.
182.	**Breakdown of Rates & Price Schedule No.2** AIS HV and MV Equipment	Kindly confirm the scope of 33kV lines bays.	33kV line bays will be utilized to feed the station transformer of the 400kV substation. Kindly refer to Project Specific Requirements of New Butwal Substation (221123_Lot2_NBW_PSR) under Part 2 -

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
			Employer's Requirement of the bidding document for further information about your clarification.
183.	**Breakdown of Rates & Price Schedule No.2** Grounding System	Kindly confirm, if the size of ground conductor is fixed or the contractor can optimize the same during detailed engineering.	The contractor will design the grounding system meeting the technical specifications and relevant codes which will be subjected to the approval of engineer.
184.	**Technical Specifications** Chapter 1: 420 kV GIS Technical Specification	Creepage distance for gas to air bushing is mentioned as 40mm/kV. We propose creepage as 25 or 31mm/kV. Kindly confirm.	MCA-Nepal will review the proposal and may issue an addendum to the bidding document if acceptable, subject to the approval by the authority.
185.	**General**	For optional scope, only GIS equipments are to be provided. Outdoor equipments like busduct, Gas to air bushing, CT, CVT, LA, WT, Tower & Gantry are not to be considered. Kindly confirm.	Kindly refer to the Project Specific Requirements for information related to your clarifications.
186.	**General**	Kindly confirm the space availability for C&R panels for 220kV bays in SPR in existing 220kV switchyard. Also confirm the AC & DC feeder availability.	Availability of AC & DC feeder and space availability at the SPR, will be assessed during detailed engineering.
187.	**Structure (Lattice & Pipe)**	Please provide the Steel Standards and Grade required for Lattice & Pipe Structure, Bolt and Nut.	You are requested to refer to Chapter 8: Steel Structures Specification for information related to your clarification.
SN	**Reference to the Bidding Document**	**Questions from Bidders**	**Response of Millennium Challenge Account Nepal (MCA-Nepal)**
188.	**Lot 1** **Part-2 Chapter 17: Construction Specification 1.2 point(h)**	Please clarify the requirement	The provided documents are for reference purposes only.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	As mentioned in specification, Earthing System-The maximum size of each grid of earthing mat shall not exceed 4X4 meters *As per earthing layout shared(RTE-230-1) grid spacing is of 10x10.*		The Contractor is responsible for designing the earthing grid according to the standard IEEE-80, and to meet the required step and touch voltages and ground potential rise (GPR). The design and the associated calculations will be subject to approval by the Engineer.
189.	**Lot 1** **Part 2 Lot-1 Base & Option, Price Schedule** *30kV,10kA Lightning arrester for 33kV line bays*	We understand that the present scope includes only 400kV & 220kV system and 30kV,10kA Lightning arrester for 33/0.4kV station service transformers is already mentioned in item no 2.1.9. Please clarify the requirement.	The aforesaid items are envisaged for the termination of the 33kV cable. However, the requirement of the same will be determined after relevant system studies during detailed engineering. Furthermore, please note that the purpose of price schedules is to identify the Bid Price which will be used to determine the progress payments. The Bidder shall quote the price under the Price Schedule required to carry out the Work stated under Employer's Requirements (including technical specifications) based on the Conditions of Contract.
190.	**Lot 1** **Part 2 Lot-1 Option, Price Schedule** *Requirement of 220kV Lightning Arrester is missing in price schedule.*	Please update the price schedule accordingly.	220kV lightning arrestor is part of Surge Protection Arrangement (AIS) of the 167 MVA, (400/√3/220/√3/33) kV, Single Phase Auto-Transformer. Bidders are requested to quote accordingly. Furthermore, please note that the purpose of the price schedules is to identify the Bid Price which will be used to determine the progress payments. The Bidder shall quote

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
			the price under the Price Schedule required to carry out the Works stated under the Employer's Requirements (including technical specifications) based on the Conditions of Contract.
191.	**Lot 1** **Part 2 RTE-300-1 drawing** *Panel list and panel location*	We understand that number of panel and its location indicated in drawings are indicative only. Please confirm.	Confirmed.
192.	**Lot 1** **Part 2 CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements Section V – B1 (Technical Specifications)** **Clause 1.1, d, page 1** *The autotransformers shall in general have constant ohmic impedance between HV and IV on all taps. In the case of parallel operation with multiple autotransformers the following shall apply:* *i. The impedance, vector group, OLTC connection & range etc. of all autotransformers is to be matched.* *ii. Necessary provisions are to be made in the autotransformer control scheme for parallel operation including*	We understand that the parellel operation requirement of proposed transfermer is applicable only with the identical tranformers in present scope. Please confirm.	Confirmed.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	Master/Follower/Independent/Off type OLTC control scheme. *iii. Matching of physical dimension, orientation etc. to facilitate interchangeability with the designated spare single phase autotransformer.*		
193.	**Lot 1** **Part 2 CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION** **Part 2 : Employer's Requirements** **Section V – B1 (Technical Specifications)** **Clause 1.1, f, page 1** *.....In the former case the contractor shall comply with the weight limitation on transport to the site and handling facilities at the substation.....*	Please provide transport weight and dimensions limitations.	Please refer Annex B01_11_Road assessment survey report for the transportation of bulky equipment. Please note that the report was prepared many years back and can be a reference document only and MCA-Nepal will not be liable in case the information in the report does not match with current ground reality. Bidders are expected to conduct their own survey as required.
194.	**Lot 1** **Part 2 CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements** **Section V – B1 (Technical Specifications)** **Clause 3.3, b, page 19** *All windings shall be furnished with insulation that will permit continuous operation at a winding rise of 55°C above ambient and a*	First two requirements are contradictory. Please clarify the requirement	MCA-Nepal may issue an addendum to correct the ambiguity in the Bidding Document after receiving approval from the authority as follows: Winding temperature rise by resistance shall not exceed 55° C and hottest spot winding temperature rise shall not exceed 90° C for the full range of transformer operation.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	hotspot rise of 90°C above ambient without affecting the normal life expectancy of insulation. **Clause 3.8, ii, 25** *Winding temperature rise by resistance shall not exceed 65° C and hottest spot winding temperature rise shall not exceed 80° C for the full range of transformer* **Part 1 Technical Data Sheet Sl No 13.2, Page 3** *Of winding measured by the resistance method °C 55*		
195.	**Lot 1** **Part 2 CHAPTER 3: AUTO TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements Section V – B1 (Technical Specifications)** **Clause 3.5, XII, Page 24** *Suitable insulating cap (preferably of porcelain) shall be provided on the terminal of tertiary winding bushings to avoid accidental external short circuit.*	We understand that Insulating caps are not applicable since they are loaded tertiary. Please confirm.	Confirmed.
196.	**Lot 1** **Part 2 CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements**	No load loss measurement, hot spot temperature will be measured in final acceptance test. Core satge inspection it is not recommended since top yoke will be not available. Top yoke assembly will be done after placing windings.	Requirements in the Bidding Document will not change. Bidders are requested to kindly adhere to the requirements of the Bidding Document.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	Section V – B1 (Technical Specifications) **Clause 5.1, (b), viii** *Check on completed core for measurement of iron loss and check for any hot spot by exciting the core so as to induce the designed value of flux density in the core*	We request to revise the requirement accordingly.	
197.	**Lot 1** **Part 2 CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements** **Section V – B1 (Technical Specifications)** **5.2, C,(i), Page 47** *Bushing (Type Test per IEC 60137, including snap back/seismic test)*	As per IEC these are special tests. Hence requesting to remove the tests. We request to accept calculations Instead of test reports.	Kindly adhere to the requirements of the bidding document.
198.	**Lot 1** **Part 2 B1.1** **PROJECT SPECIFIC REQUIREMENT(PSR)** **Clause 2.1.1 (d) & (h), Page 9** **Clause 3.11, page 28 & 29** *d. 400 kV GIS Autotransformer Bay with required GIB, 2 Nos, to connect Two Autotransformer Banks each of 3x1ϕ, 400/√3/220/√3/33 kV, 167 MVA with 1ϕ as Spare included in the Scope of Work.*	We understand that 400kV side of transformer is connected to GIB. Hence Transformer 400kV side should be suitable for GIB connection. Please confirm We understand that 220kV side of transformer is connected to GIB. Hence Transformer 220kV side should be suitable for GIB connection. Please confirm For 33kV bushing air insulated cable box along with dis-connecting chamber will be provided for 33kV XLPE cable connection. - Please confirm	Confirmed Confirmed. Confirmed.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	h. 220 kV GIS bays with required GIB, 2 nos. for 220 kV future lines including GIB termination along with supporting structure but without outdoor AIS equipment ● *33 kV XLPE cables from the 33 kV Equipment up to the 33 kV bushings of the 400/220/33 kV Auto transformer* ● *Pot heads, termination kits or any other materials required to connect 33 kV cables from Auto transformer tertiary to the 33 kV equipment.*		
199.	**Lot 1** **Part-2 B1.1** **PROJECT SPECIFIC REQUIREMENT (PSR)** **Clause 3.3 Auto transformer, iii, page22** *Oil storage tank of suitable size.*	Please provide the size and Quantity.	The size and quantity of the Oil Storage tank should be suitable to store 5% of the insulating oil as stated in item number 2.15.2.10 & 3.15.2.10 of the BPS.
200.	**Lot 2** **Part 2 Chapter 17: Construction Specification, CL 1.2 point(h)** *As mentioned in specification, Earthing System-The maximum size of each grid of earthing mat shall not exceed 4X4 meters* *As per earthing layout shared(NBW-230-1) grid spacing is of 8x8.*	Please clarify the requirement	The provided documents are for reference purposes only. The Contractor is responsible for designing the earthing grid according to the standard IEEE-80, and to meet the required step and touch voltages and ground potential rise (GPR). The design and the associated calculations will be subject to approval by the Engineer.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
201.	**Lot-2** **Part 2 Base & Option, Price Schedule** **item no.2.1.10** *30kV,10kA Lightning arrester for 33kV line bays*	We understand that the present scope includes only 400kV & 220kV system and 30kV,10kA Lightning arrester for 33/0.4kV station service transformers is already mentioned in item no 2.1.11. Please clarify the requirement.	The aforesaid items are envisaged for the termination of the 33kV cable. However, the requirement of the same will be determined after relevant system studies during detailed engineering. Furthermore, please note that the purpose of price schedules is to identify the Bid Price which will be used to determine the progress payments. The Bidder shall quote the price under the Price Schedule required to carry out the Work stated under Employer's Requirements (including technical specifications) based on the Conditions of Contract.
202.	**Lot-2** **Part 2 Base & Option, Price Schedule item no.2.1.13,2.1.14 BUS** *BAR Rating is 50KA However as per 220KV SLD Drawing no.NBW-100-3 the bus bar rating is 40KA for 1 sec*	Please clarify	Bus bar rating is for 50kA.
203.	**Lot-2** **Part 2 NEW BUTWAL NBW-300-1** *Panel list and panel location*	We understand that the number of panel and its location indicated in drawings are indicative only. Please confirm.	Confirmed.
204.	**Lot-2** **Part 2 NEW BUTWAL NBW-210-1** *400kV control room building.*	As per our understanding, ACDC panels and Batteries are required only for present scope of 400kV and 220kV to be placed in 400kV control room building provided, please confirm the understanding.	Confirmed.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
205.	**Lot – 2** **Part 2 CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION** **Part 2 : Employer's Requirements** **Section V – B1 (Technical Specifications) Clause 1.1, d, page 1** *The autotransformers shall in general have constant ohmic impedance between HV and IV on all taps. In the case of parallel operation with multiple autotransformers the following shall apply:* *i. The impedance, vector group, OLTC connection & range etc. of all autotransformers is to be matched.* *ii. Necessary provisions are to be made in the autotransformer control scheme for parallel operation including Master/Follower/Independent/Off type OLTC control scheme.* *iii. Matching of physical dimension, orientation etc. to facilitate interchangeability with the designated spare single phase autotransformer.*	We understand that the parellel operation requirement of proposed transformer is applicable only with the identical transformers in present scope. Please confirm.	Confirmed.
206.	**Lot-2**	Please provide transport weight and dimensions limitations.	Please refer Annex B01_11_Road assessment survey report for the

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	Part 2 CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION **Part 2 : Employer's Requirements** **Section V – B1 (Technical Specifications)** **Clause 1.1, f, page 1** *.....In the former case the contractor shall comply with the weight limitation on transport to the site and handling facilities at the substation…..*		transportation of bulky equipment. Please note that the report was prepared many years back and can be a reference document only and MCA-Nepal will not be liable in case the information in the report does not match with current ground reality. Bidders are expected to conduct their own survey as required.
207.	**Lot 2** **Part 2 CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements** **Section V – B1 (Technical Specifications)** **Clause 3.3, b, page 19** *All windings shall be furnished with insulation that will permit continuous operation at a winding rise of 55°C above ambient and a hotspot rise of 90°C above ambient without affecting the normal life expectancy of insulation.* **Clause 3.8, ii, 25** *Winding temperature rise by resistance shall not exceed 65° C and hottest spot winding temperature rise*	First two requirements are contradictory. Please clarify the requirement	MCA-Nepal may issue an addendum to correct the ambiguity in the Bidding Document after receiving approval from the authority as follows: Winding temperature rise by resistance shall not exceed 55° C and hottest spot winding temperature rise shall not exceed 90° C for the full range of transformer operation.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	shall not exceed 80° C for the full range of transformer **Part 1 Technical Data Sheet** **Sl No 13.2, Page 3** *Of winding measured by the resistance method °C 55*		
208.	**Lot 2** **Part 2 CHAPTER 3: AUTO TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements Section V – B1 (Technical Specifications)** **Clause 3.5, XII** *Suitable insulating cap (preferably of porcelain) shall be provided on the terminal of tertiary winding bushings to avoid accidental external short circuit.*	Insulating caps are not applicable since it is loaded tertiary	Confirmed.
209.	**Lot 2** **Part 2 CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements Section V – B1 (Technical Specifications)** **Clause 5.1, (b), viii** *Check on completed core for measurement of iron loss and check for any hot spot by exciting the core so as to induce the designed value of flux density in the core*	No load loss measurement, hot spot temperature will be measured in final acceptance test. Core satge inspection it is not recommended since top yoke will be not available. Top yoke assembly will be done after placing windings. We request to revise the requirement accordingly.	Requirements in the Bidding Document will not change. Bidders are requested to kindly adhere to the requirements of the Bidding Document.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
210.	**Lot 2** **Part 2 CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements Section V – B1 (Technical Specifications)** **5.2, C,(i), Page 47** *Bushing (Type Test per IEC 60137, including snap back/seismic test)*	As per IEC these are special test. Hence requesting to remove the tests. Instead of test reports, calculations will be provided.	Kindly adhere to the requirements of the bidding document.
211.	**Lot 2** **Part 2 B1.1 PROJECT SPECIFIC REQUIREMENT(PSR)** **Clause 2.1.1 (d) & (h), Page 9** **Clause 3.11, page 28 & 29** *d. 400 kV GIS Autotransformer Bay with required GIB, 2 Nos, to connect Two Autotransformer Banks each of 3x1ϕ, 400/√3/220/√3/33 kV, 167 MVA with 1ϕ as Spare included in the Scope of Work.* *h. 220 kV GIS bays with required GIB, 2 nos. for 220 kV future lines including GIB termination along with supporting structure but without outdoor AIS equipment* ● *33 kV XLPE cables from the 33 kV Equipment up to the 33 kV*	We understand that 400kV side of transformer is connected to GIB. Hence Transformer 400kV side should be suitable for GIB connection. Please confirm We understand that 220kV side of transformer is connected to GIB. Hence Transformer 220kV side should be suitable for GIB connection. Please confirm For 33kV bushing air insulated cable box along with dis-connecting chamber will be provided for 33kV XLPE cable connection. - Please confirm	Confirmed Confirmed. Confirmed.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	bushings of the 400/220/33 kV Auto transformer ● *Pot heads, termination kits or any other materials required to connect 33 kV cables from Auto transformer tertiary to the 33 kV equipment.*		
212.	**Lot 2** **Part-2 B1.1 PROJECT SPECIFIC REQUIREMENT (PSR) Clause 3.3 Auto transformer, iii, page22** *Oil storage tank of suitable size.*	Please provide the size and Quantity.	The size and quantity of the Oil Storage tank shall be suitable to store 5% of the insulating oil as stated in item number 2.14.2.11 & 3.14.2.11 of the BPS.
213.	**Lot 3** **Part 2 Chapter 17: Construction Specification, CL 1.2 point(h)** *As mentioned in specification, Earthing System-The maximum size of each grid of earthing mat shall not exceed 4X4 meters* *As per earthing layout shared(NBW-230-1) grid spacing is of 8x8.*	Please clarify the requirement	The provided documents are for reference purposes only. The Contractor is responsible for designing the earthing grid according to the standard IEEE-80, and to meet the required step and touch voltages and ground potential rise (GPR). The design and the associated calculations will be subject to approval by the Engineer.
214.	**Lot-3** **Part 2 Base & Option, Price Schedule** **item no.2.1.7** *30kV,10kA Lightning arrester for 33kV line bays*	We understand that the present scope includes only 400kV & 220kV system and 30kV,10kA Lightning arrester for 33/0.4kV station service transformers is already mentioned in item no 2.1.8. Please clarify the requirement.	The aforesaid items are envisaged for the termination of the 33kV cable. However, the requirement of the same will be determined after relevant system studies during detailed engineering. Furthermore, please note that the purpose of price schedules is to identify the Bid Price which will be used to determine the progress

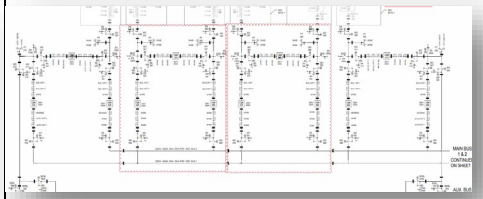
SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
			payments. The Bidder shall quote the price under the Price Schedule required to carry out the Work stated under Employer's Requirements (including technical specifications) based on the Conditions of Contract.
215.	**Lot-3** **Part 2 NDM-300-***Panel list and panel location*	We understand that the number of panel and its location indicated in drawings are indicative only. Please confirm.	Confirmed.
216.	**Lot – 3** **Part 2 CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION** **Part 2 : Employer's Requirements** **Section V – B1 (Technical Specifications) Clause 1.1, d, page 1** *The autotransformers shall in general have constant ohmic impedance between HV and IV on all taps. In the case of parallel operation with multiple autotransformers the following shall apply:* *i. The impedance, vector group, OLTC connection & range etc. of all autotransformers is to be matched.* *ii. Necessary provisions are to be made in the autotransformer control scheme for parallel*	We understand that the parellel operation requirement of proposed transformer is applicable only with the identical transformers in present scope. Please confirm.	Please refer response to clarification for S.N. 5.

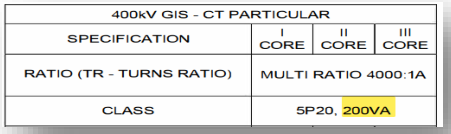
SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	operation including Master/Follower/Independent/Off type OLTC control scheme. *iii. Matching of physical dimension, orientation etc. to facilitate interchangeability with the designated spare single phase autotransformer.*		
217.	**Lot-3** **Part 2 CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION** **Part 2 : Employer's Requirements** **Section V – B1 (Technical Specifications)** **Clause 1.1, f, page 1** *.....In the former case the contractor shall comply with the weight limitation on transport to the site and handling facilities at the substation…..*	Please provide transport weight and dimensions limitations.	Please refer Annex B01_11_Road assessment survey report for the transportation of bulky equipment. Please note that the report was prepared many years back and can be a reference document only and MCA-Nepal will not be liable in case the information in the report does not match with current ground reality. Bidders are expected to conduct their own survey as required.
218.	**Lot 3** **Part 2 CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements** **Section V – B1 (Technical Specifications)** **Clause 3.3, b, page 19** *All windings shall be furnished with insulation that will permit continuous operation at a winding*	First two requirements are contradictory. Please clarify the requirement	Please refer response to clarification for S.N. 194.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	rise of 55°C above ambient and a hotspot rise of 90°C above ambient without affecting the normal life expectancy of insulation. **Clause 3.8, ii, 25** *Winding temperature rise by resistance shall not exceed 65° C and hottest spot winding temperature rise shall not exceed 80° C for the full range of transformer* **Part 1 Technical Data Sheet Sl No 18.2, Page 3** *Of winding measured by the resistance method °C 55*		
219.	**Lot 3** **Part 2 CHAPTER 3: AUTO TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements Section V – B1 (Technical Specifications)** **Clause 3.5, XII, Page 24** *Suitable insulating cap (preferably of porcelain) shall be provided on the terminal of tertiary winding bushings to avoid accidental external short circuit.*	We understand that Insulating caps are not applicable since they are loaded tertiary. Please confirm.	Please refer response to clarification for S.N. 195
220.	**Lot 3** **Part 2 CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements**	No load loss measurement, hot spot temperature will be measured in final acceptance test. Core satge inspection it is not recommended since top	Please refer response to clarification for S.N. 196.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	Section V – B1 (Technical Specifications) **Clause 5.1, (b), viii** *Check on completed core for measurement of iron loss and check for any hot spot by exciting the core so as to induce the designed value of flux density in the core*	yoke will be not available. Top yoke assembly will be done after placing windings. We request to revise the requirement accordingly.	
221.	**Lot 3** **Part 2 CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION Part 2 : Employer's Requirements** **Section V – B1 (Technical Specifications)** **5.2, C,(i), Page 47** *Bushing (Type Test per IEC 60137, including snap back/seismic test)*	As per IEC these are special test. Hence requesting to remove the tests. We request to accept calculations Instead of test reports.	Please refer response to clarification for S.N. 197
222.	**Lot 3** **Part 2 B1.1** **PROJECT SPECIFIC REQUIREMENT(PSR) Clause 2.1.1 (d) & (h), Page 9 Clause 3.11, page 28 & 29** *d. 400 kV GIS Autotransformer Bay with required GIB, 2 Nos, to connect Two Autotransformer Banks each of 3x1ϕ, 400/√3/220/√3/33 kV, 167 MVA with 1ϕ as Spare included in the Scope of Work.*	We understand that 400kV side of transformer is connected to GIB. Hence Transformer 400kV side should be suitable for GIB connection. Please confirm We understand that 220kV side of transformer is connected to GIB. Hence Transformer 220kV side should be suitable for GIB connection. Please confirm	Please refer response to clarification for S.N. 198.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	h. 220 kV GIS bays with required GIB, 2 nos. for 220 kV future lines including GIB termination along with supporting structure but without outdoor AIS equipment ● *33 kV XLPE cables from the 33 kV Equipment up to the 33 kV bushings of the 400/220/33 kV Auto transformer* ● *Pot heads, termination kits or any other materials required to connect 33 kV cables from Auto transformer tertiary to the 33 kV equipment.*	For 33kV bushing air insulated cable box along with dis-connecting chamber will be provided for 33kV XLPE cable connection. - Please confirm	
223.	**Lot 3** **Part-2 B1.1** **PROJECT SPECIFIC REQUIREMENT (PSR)** **Clause 3.2 Page 15** *Oil storage tank of suitable size.*	size and Quantity to be provided	The size and quantity of the Oil Storage tank shall be suitable to store 5% of the insulating oil as stated in item number 2.14.2.11 & 3.14.2.11 of the BPS.
SN	**Reference to the Bidding Document**	**Questions from Bidders**	**Response of Millennium Challenge Account Nepal (MCA-Nepal)**
224.	**Ch 1_S2_TS_220kV GIS_RAT** *12.2.6* *For breaker-and-a-half, double bus single breaker, double bus double breaker and single bus single breaker arrangements, gas zones for main buses shall be segregated on a per diameter or bay basis (i.e., gastight barriers shall be installed*	For 220 & 400KV GIS, offered busbar design is passive. We meet the requirement of service continuity, maintenance & repair without provision of any barrier in busbar. All the requirement of repair & maintenance as per specifications are met with passive non-segrigated busbar design hence we request an acceptance of this design.	All the busbars of 400 and 220kV in our proposed breaker and half scheme are continuous busbars. However, gas zones for each diameter would be separate.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	in the main bus enclosures between each diameter or bay connecting the main buses).		
225.	**DWG_Combined_Optimized RTE- 100-3** 	For 220KV GIS: Refer to Tender SLD, Option scope (i.e. Future lines) highlited in red colour are located between base firm scope. Technically it is not feasible to do future extension in middle of two bays or diameter. Hence we are considering future lines at one end of GIS. Bidder request an acceptance of this design.	The drawings are for reference purposes only. The design may change as per the site conditions and will be subjected to approval of the Engineer.
226.	**Vehicle Specifications** **Annex B01-5-Vehicle Specifications** **&** **Section V – B1 (Project Specific Requirements)** *For the Engineer/Employer Personnel three (3) vehicles including one driver per vehicle as described below shall be provided: One (1) 4-wheel off-road, 7 seater, minimum 2500 cm3, minimum 115kW diesel, 5 doors, right- hand drive (SUV type).&* ~~4*4~~ SUV Type Vehicle ~~Specifications Specifications(Requirements 2 No. per lot, 1 No. for Engineer and 1 No. for Employer).~~ Engine Type: Diesel Engine Displacement (cc: 2900 or more	The bidder request to clarify the exact requirement in cc of the Vehicle as in PSR its minimum 2500 cm3 and in vehicle specs it is 2900 cc or more.	Bidders are requested to refer to Annex B01-5 Vehicle Specifications. MCA-Nepal may issue an addendum to the bidding document subject to the approval of the Engineer.

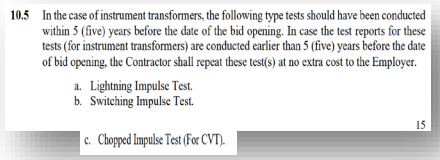
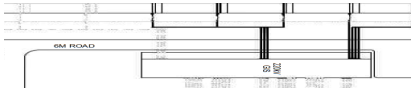
SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
227.	**GIS CT Parameters** **SLD and Tech data Sheet** *RATMATE 400/220/132kV/33kV SUBSTATION* *RTE-100-2* *SINGLE LINE DIAGRAM*  	The bidder requests to re-verify the requirement in relay accuracy class of 400kV CT of GIS. As in the technical data sheet and the single line diagram the required value under relay accuracy class is mentioned as 200 VA which seems inaccurate. Please amend the requirement.	MCA-Nepal will review the document and may issue an addendum to the bidding document subject to the approval of the Engineer. Please note that the provided document is for reference purpose and is subjected to change during detailed engineering.
228.	**SLD - 400kV Switchyard** *RATMATE 400/220/132kV/33kV SUBSTATION* *Techincal Data Sheet - Outdoor CT* *Rated current capacity - Outdoor CT*	As per our understanding the type of conductor used in the line side is quad moose type and the rated current capacity should be not more than 3150 A, however the same is mentioned as 4000 A in TDS of outdoor CT. Bidder request you to clarify.	Kindly consider the design for 4000A. MCA-Nepal may issue an addendum to the bidding document subject to the approval of the authority.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
229.	**Technical Data Sheet / SLD for 400kV GIS_RATMATE RATMATE 400/220/132kV/33kV SUBSTATION** *Techincal Data Sheet - GIS CT* *Metering CT Ratio - GIS (CTs)*	The bidder requests to clarify and confirm the requirement of Metering CT ratios and tapping requirement of GIS CT.	The requirement will be finalized during detailed engineering.
230.	**Technical Data Sheet / SLD for 400kV GIS_RATMATE RATMATE 400/220/132kV/33kV SUBSTATION** **Techincal Data Sheet - GIS CT** *GIS CT parameters*	As per our understanding, we have to design the CT dimensioning with PX class CT based on detailed fault requirements. Kindly confirm. In addition to the above, due to space constraint the 200VA design is not possible and maximum 50 VA can be provided. Please confirm the same.	Kindly adhere to the requirements of the bidding document.
231.	**Technical Data Sheet / SLD for 400kV GIS_RATMATE RATMATE 400/220/132kV/33kV SUBSTATION** **Techincal Data Sheet - GIS VT** *GIS VT parameters*	As per techincal specifications and SLD, the VT core detail is 0.3 WXYZ and rated output is 1500 VA. However, as per our understanding, 1500 VA in GIS PT is not possible to design and Max. VA can be 50 VA. Please confirm the same.	The VT burden may be 1500 VA (thermal burden). The value of burden in TS will be changed to 1500 VA through an addendum to the bidding document after approval from the authority.
232.	**Technical Data Sheet / SLD for 400kV GIS_RATMATE RATMATE 400/220/132kV/33kV SUBSTATION** **Techincal Data Sheet - Outdoor VT** *Outdoor VT parameters*	As per our understanding, one metering core for MFMing in GIS/CRP panel is to be provided. Please clarify if one core from Outdoor VT can be applied for this purpose. Please confirm the same	The same will be decided during detailed engineering subject to the approval of the Engineer.
233.	**SLD for 400kV GIS_RATMATE RATMATE 400/220/132kV/33kV**	As per SLD/ Layout for future one nos. of TRF bay is shown. However, in SLD 2 sets of future TRF bays are shown. Please clarify which option	Kindly refer to the scope of works under PSR. The attached documents are only for reference purposes. The Bidder shall quote

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	SUBSTATION **Price schedule - BOM** *No. of future ICT bays in SLD and BOM*	is to be considered for development of Layout. According the quantity needs to be amended.	the price under the Price Schedule required to carry out Works stated under the Employer's Requirements (including technical specifications) based on the Conditions of Contract.
234.	**SLD for 400kV GIS_RATMATE** **RATMATE** **400/220/132kV/33kV** **SUBSTATION** **Single Line Diagram** *Quantity of future transformer bays*	Kindly confirm as per SLD, TRF bay 3 (under 3/2 breaker scheme) will feed 1 qty. of transfromers in future and no further addition of transformers is envagised.	The attached documents are only for reference purposes. The Bidder shall quote the price under the Price Schedule required to carry out the Works stated under the Employer's Requirements (including technical specifications) based on the Conditions of Contract.
235.	**SLD for 220kV GIS_RATMATE** **RATMATE** **400/220/132kV/33kV** **SUBSTATION** **Single Line Diagram** *CT Parameters*	1. The value of transformer current is 4000 A as per technical data sheet and 3000 A as per SLD, kindly confirm the exact requirement. 2. The bidder requests to re-verify the requirement in relay accuracy class of 220kV CT of GIS. As in the technical data sheet and the single line diagram the required value under relay accuracy class is mentioned as 200 VA which seems inaccurate. Please confirm the same.	The attached documents are only for reference purposes. The Bidder shall quote the price under the Price Schedule required to carry out the Works stated under the Employer's Requirements (including technical specifications) based on the Conditions of Contract.
236.	**Price schedule - RATMATE - 220kV GIS** **220kV GIS BOM / Price schedule** *Quantity of Maintainance earthing switch*	It is observed that quantity of maintenance earth switch in line item no - 2.7.2.8 - is 3 nos. in option price schedule. However, it is 4 nos. in base price schedule which seems inaccurate. Please confirm the accurate quantity.	MCA-Nepal will review the document and may issue an addendum to the bidding document subject to the approval of the authority.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
237.	**Price schedule - RATMATE - 220kV GIS** **220kV GIS BOM / Price schedule** *Quantity of LCCs*	It is observed that quantity of LCC in line item no - 2.7.2.9 - is 5 nos. for 6 nos of Bays. Please confirm the same.	MCA-Nepal will review the document and may issue an addendum to the bidding document subject to the approval of the authority.
238.	**Price schedule - RATMATE - 220kV GIS** **220kV GIS BOM / Price schedule** *Quantity of PDM*	It is observed that quantity of PDM in line item no - 2.7.2.10 - is 5 nos. for 6 nos of Bays. Please confirm the same.	MCA-Nepal will review the document and may issue an addendum to the bidding document subject to the approval of the authority.
239.	**Price schedule - RATMATE - 220kV GIS** **220kV GIS BOM / Price schedule** *Quantity of High speed earthing switch / maintainance earthing switch*	It is observed that in line item no 2.7.4.4 and 2.7.4.3, there is a repeatation of HSES item, please confirm our understanding and clarify the same.	MCA-Nepal will review the document and may issue an addendum to the bidding document subject to the approval of the authority.
240.	**Overall SLD for 220kV GIS** **Overall SLD for 220kV GIS_RATMATE** *Quantity of High speed earthing switch / maintainance earthing switch in bus bar module*	It is observed that in Overall SLD, in busbar module both earthing switches are maintainance ES. However in Part SLDs (i.e. 2 parts of split SLD) the quantity of maintainance ES is one and the other ES is shown as high speed type. Please clarify the exact requirement.	The attached documents are only for reference purposes. The Bidder shall quote the price under the Price Schedule required to carry out the Works stated under the Employer's Requirements (including technical specifications) based on the Conditions of Contract.
241.	**Techincal Specification of CVT** *Requirement of capacitance / insulator material*	The Bidder requests to specify the exact requirement of capacitance and insulator material of the CVTs.	Bidders are requested to propose in the detailed design to comply with the Employer's Requirement and which will be subjected to the approval of Engineer during detailed engineering.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
242.	**Techincal Specification of CVT Creepage requirement** *Requirement of Creepage*	The bidder request to specify the specific requirement of creepage in CVTs (if any)	Bidders are requested to propose in the detailed design to comply with the Employer's Requirement and which will be subjected to the approval of Engineer during detailed engineering.
243.	**Techincal Specification of Auto Transformers** **TRANSFORMER CONDITION MONITOR** *Equipment shall be capable of sending an SMS alert to at least three users whenever any alarm violates the predefined limit.*	The bidder requests to provide equipment detail shall be capable of sending SMS alert in line with tender requirement.	To be provided by the manufacturer.
244.	**Techincal Specification of Auto Transformers** **TRANSFORMER CONDITION MONITOR** *Accessories of TRANSFORMER CONDITION MONITORING SYSTEM*	The bidder request to specify the exact accessory requirement for on-line transformer monitoring system.	These accessories would be provided by the transformers manufactures based on their design.
245.	**Section IV. Bid Submission Forms** *Adjustment for Changes in Cost For Autotransformers* **1. For Autotransformer:** $P_n = P_0\left[a + b\frac{Cn}{Co} + c\frac{Mn}{Mo}\right] - P_0$	Most of the Transformer manufacturers are from India and majority of scourcing components are procured with in country and some specific components are sourced from other part of globe. The Bidder requests to accept IEEMA formula. Since, it is very difficult to consider value of each component mentioned in bidding documents from different entity and it is different for each supply country landing cost being different. In view of same, we request to accept price indices of manufacturers own country. Further, the	The requirement will not change. Bidders are requested to adhere to the requirements of the bidding document.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
		considered co-efficient is considerably low and other component like MS Steel, Insulation, Oil etc. is not covered in formula. Please accept the proposal and amend the requirement.	
246.	**Type Tests for instrument transformers** *Type test requirements / GTR*  10.5 In the case of instrument transformers, the following type tests should have been conducted within 5 (five) years before the date of the bid opening. In case the test reports for these tests (for instrument transformers) are conducted earlier than 5 (five) years before the date of bid opening, the Contractor shall repeat these test(s) at no extra cost to the Employer. a. Lightning Impulse Test. b. Switching Impulse Test. 15 c. Chopped Impulse Test (For CVT).	The bidder requests to accept the type test criteria as below: The validity of type test shall be valid until 10 years as per revised CEA guidelines. Offered product is type tested as per IEC 61869-5	The requirement of the type test validity shall be as per the technical specifications and general technical requirements documents.
247.	**General Arrangement Layout for RATMATE** *RTE_200_1_Rev_10*  	The bidder requests to clarify if the location of road can be changed for optimization of layout.	The optimization of layout will be done during detailed engineering. The designs will be subjected to the approval of the Engineer.
248.	**Layout for GIS building_all lots** *RTE_300_1_Rev_1* *NBW_300_1_Rev_1* *NDM_300_1_Rev_1* *Location of LCC*	The bidder requests the employer to consider the below suggestion for LCC's location: For 220KV & 400KV GIS : Being local control cabinet, LCC must be placed in GIS room in front of bay. So, while operating CB, DS, ES through LCC an individual can see actual status of the equipment. Also, Installation of LCC in GIS room will help	The optimization of designs will be done during detailed engineering. The designs will be subjected to the approval of the Engineer.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
		us to reduce control cable quantity in considerable amount.	
249.	**Techincal Specfication of 220kV GIS** *Busbar design for 245KV GIS* *Busbar design for 245KV GIS*	Offered 220KV GIS is type tested in accordance with IEC 62271-203, Which has 3 phase encapsulated GIS busbar and other modules are single phase encapsulated. This design is accepted by various utilities in India and Abroad. We request the employer's acceptance on this design.	Bidders are requested to propose in the detailed design to comply with the Employer's Requirements and which will be subjected to the approval of Engineer during detailed engineering.
250.	**Techincal Specfication of GIS** *220KV & 400KV SF6 to Air Bushings* *Creepage Distances*	The bidder observed multiple values for creepage distances in various parts of the tender requirements like 25mm/kV, 31mm/kV & 40mm/kV. We understand in Nepal either 25mm/kV or 31mm/kV (max) is applicable. Please Confirm.	MCA-Nepal is intending to issue an addendum to the bidding document to confirm 25mm/kV creepage distance for both 400kV & 220kV SF6 to Air bushing creepage distances subject to the approval of authority.
251.	**Techincal Specfication of GIS** *LCC* *Control cable for LCC*	For the offered 220 & 400KV GIS, control cable material shall be FRLS (Fire Retardant Low Smoke). Being fire resistant properties these cables can be used at the locations that are more prone to fire. These cables are less toxic in nature and emit low amount of corrosive fumes. With all mentioned properties FRLS will be best suited for subject tender. Please confirm your acceptance.	Bidders are requested to propose in the detailed design to comply with the Employer's Requirements and which will be subjected to the approval of Engineer during detailed engineering.
252.	**Techincal Specfication of GIS** *Busbar design for GIS*	For 220 & 400KV GIS, offered busbar design is passive type. The supplier meets the requirement of service continuity, maintenance & repair	Bidders are requested to propose in the detailed design to comply with the Employer's Requirement and which will

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
		without provision of any barrier in busbar. All the requirement of repair & maintenance as per specifications are met with passive non-segregated busbar design hence, the bidder request an acceptance of this design.	be subjected to the approval of Engineer during detailed engineering.
253.	**Layout and SLD for GIS bays_all lots** *Bay Sequencing*	For optimization of the GIS layout and overall substation is in bidder scope. Accordingly the bidder make changes to the GIS bay sequencing. Please confirm.	The optimization of the designs will be done during detailed engineering in accordance to the employer's requirement. The designs will be subjected to the approval of the Engineer.
254.	**NEW DAMAULI 400kV SUBSTATION** *Overall Layout and SLD for GIS bays* *Number of Feeders*	The bidder requests clarification on the exact number of feeders as the total feeders as per the SLD is 11 but in the PLAN (Layout) - the total feeders are 12. Request you to confirm whether should we follow SLD in this case.	Both the documents are for reference purposes only. Bidders are requested to adhere to the scope of work as defined in the Employer's requirement.
255.	**NEW DAMAULI 400kV SUBSTATION** *Base & Option* *As per the given Tender SLD and the BOQ, the GIS requirement was mentioned in 2 categories. One as Option scope (i.e. included with Future bays highlighted in red color) and the other as Base scope which are the present immediate requirement. However, the Future Bays (mentioned in Option scope-which are highlighted in red cloud) are located in-between Base scope.*	Accordingly, the substation GIS layout maybe reviewed and revised including the AIS side "Line terminations" such that to avoid the crisscrossing / intersecting of GI Bus ducts routings to reach their "SF6 to air Bushing" locations. For that, the customer has to accept 2 different layout arrangements for Base & Option scopes and consider the nearest Air side Lines for the GIS Base scope. that means, In case of the BASE Scope, those FUTURE lines shall be used for RATMATE Line-1 & Line-2. (Otherwise the Busduct crisscrossing is	Bidders are requested to propose in the detailed design to comply with the Employer's Requirement and which will be subjected to the approval of Engineer during detailed engineering.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	In continuation to the above query, we propose to consider all the Option scope Bays at one / either end of GIS and keep all the other Bays identified as BASE scope in the mid area and request for accepting the suggested bay-configuration proposal.	unavoidable so the future scope GIBD shall be arranged in a different lever by elevating to certain required height. So while the installation of Future GIBD, the Work intervention can cause Shut-down of the below GIBD feeder.) Refer the comments as explained and marked in the attached "**Annex - A**" "Note-1 & 2" for clear understanding.	
256.	**NEW DAMAULI 400kV SUBSTATION** *Overall Layout and SLD for GIS bays* *Number and type of auto transformer - serial number 3*	The bidder requests clarification since as per SLD, 3 nos. of single phase autotransformer are required but as per plan 3 phase transformers are shown. Request you to confirm whether we can consider 3 no. of 1 phase autotransformer as per AUTO TR 1 & AUTO TR 2. Refer the comments as explained and marked in the attached "**Annex - A**" "Note-3" for clear understanding.	Both the documents are for reference purposes only. Bidders are requested to adhere to the scope of work complying with the Employer's requirement.
257.	**Type test as per 13.2.8 Specific tests** **SF6 to air bushings** *b. Artificial pollution test*	Please confirm the detail test requirement & Test procedure to be followed which shall be acceptable. Note that above test is not as per specific standard hence we need additional details on this test.	Bidders are requested to propose the test requirements & test procedures as per the relevant codes and prudent practices which will be subjected to the approval of the Engineer during detailed engineering.
258.	**Section 7 PC** *PC 21 Taxes and Duties Bidder need to quote on DDP basis, however PCC 21, says taxes will be exempted, please clarify if taxes are in scope of employer and exemption letter will be provided*	Bidder need to quote on DDP basis, however PCC 21, says taxes will be exempted, please clarify if taxes are in scope of employer and exemption letter will be provided up front. Or Taxes and duties will be paid by contractor and same will be reimbursed by employer. Please clarify.	Please note the provision of the Bid Document, which states: DDP-Works Site in Nepal: The prices for Plant, Goods and Equipment to be supplied from abroad **shall** be quoted on DDP-Works Site in Nepal Basis. The Employer will

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	up front. Or Taxes and duties will be paid by contractor and same will be reimbursed by employer. Please clarify.		provide tax exemption documents where required. If required, documents as per MCA-Nepal tax exemption process attached under Section V (Employer's Requirement) shall be submitted minimum 45 days before arrival of the Goods, Material, Plant and Equipment at Nepal's border. Tentative list of Goods, Material, Plant and Equipment to be imported shall also be submitted to MCA-Nepal on an annual basis for each Nepalese Fiscal Year. The Contractor shall also be responsible for custom clearance and all other associated charges (inside and outside Nepal, including loading, unloading) to bring all required Goods, Material, Plant and Equipment to Works Site. The bidder shall include all costs in their bid price. During Contract implementation, the Employer shall not be responsible for paying any extra/additional cost. The successful bidder/Contractor shall be required to submit Pro forma invoice 60 days before arrival of Equipment/Goods to Nepal border and the delivered items shall be the same as in the Pro forma invoice.
259.	**SPN** *General- Budget of the Project*	Regarding the Specific Procurement Notice published for procurement of plant design, supply, delivery, installation, testing and commissioning, we were interested to bid. To know more about the bidding process, please let us know the total amount of the project (each lot)?	The Budget of the project has not been disclosed. In case, MCA-Nepal decides to disclose the Budget, it will be disclosed through an addendum to the bidding document.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
260.	**Section 4 Schedule of Payments:** *Notes:* *Point no. 5. Please note that Ten (10) percent of the measured value of installation, startup, testing and commissioning a service performed by the Contractor shall be retained from each payment certificate and half of the retention money shall be released upon issue of the Taking-Over Certificate and rest half shall be released after expiration of Defects Notification Period, as per GCC 14.9.*	Request you to allow the release of last 10% Retention payment on successful commissioning against submission of Retention Bank Guarantee valid till Defect liability period.	The Bidding Document provision will not be amended. However, please refer to the Particular Conditions of Contract Sub-Clause 14.9 Payment of Retention Money.
261.	**Section 4 Schedule of Payments:** *Advance Payment* *With respect to clause GCC 14.2, the Employer shall make a Total advance payment of ten percent (10%) of the Accepted Contract Amount less Provisional Sums and Daywork, subject to the provision of unconditional bank guarantee, expressed in Dollars of the United States of America for the same value. This advance payment shall be repaid as per GCC and PCC 14.2*	Request you to increase the Advance payments from existing 10% to 20%.	The Bidding Document provision will not be amended.
262.	**Section 2 BDS** **BDS- ITB 15.6A** *The prices for Plant, Goods and Equipment to be supplied from abroad shall be quoted on DDP-*	Bidder need to quote on DDP basis, however PCC 21, says taxes will be exempted, please clarify if taxes are in scope of employer and exemption letter will be provided up front. Or Taxes and	Please refer to Compact Section 2.8 which shall be read along with Annex VII – Tax Schedules which provide the conditions for tax exemption, refund or reimbursement of Taxes. The bidder needs to assess the

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	Works Site in Nepal Basis. The Employer will provide tax exemption documents where required. If required, documents as per MCA-Nepal tax exemption process attached under Section V (Employer's Requirement) shall be submitted minimum 45 days before arrival of the Goods, Material, Plant and Equipment at Nepal's border. Tentative list of Goods, Material, Plant and Equipment to be imported shall also be submitted to MCA-Nepal on an annual basis for each Nepalese Fiscal Year. The Contractor shall also be responsible for custom clearance and all other associated charges (inside and outside Nepal, including loading, unloading) to bring all required Goods, Material, Plant and Equipment to Works Site.	duties will be paid by contractor and same will be reimbursed by employer. Please clarify.	application of taxes on its own depending on its status of incorporation and prior registration in Nepal and under the laws of Nepal. With respect to exemption of taxes, the bidders are requested to go through Annex VII Tax Schedules where the mechanism of tax exemptions and refunds are clearly stated for each category of taxes.
263.	**Section 2 BDS** *BDS- ITB- 19.3a- The factor for price adjustment is zero, that is the rates quoted by the bidders in the priced Schedule of Prices shall not be adjusted.*	If Contract finalization gets delayed beyond the bid validity period, please allow us the Price Adjustment.	The bidding document provision will not be amended.
264.	**PC** *General- Extension of Project Timelines*	In case there will be delays in the project completion and there are justified reasons for delays occurred within Compact duration, the Contract will be extended as per Contract	MCA-Nepal expects and will make every effort to complete the project in time.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
		provisions (Sub-clause 8.4 of Conditions of Contract). Please confirm.	The Contract extension (if any) shall only be provided as per the provisions of the Contract. However, in case any part of the contract is not completed within the Compact duration, either the contract will be assigned to a government of Nepal entity, or the contract will be terminated.
265.	**PC** *PC 21 Taxes and duties*	Whether Import of Civil Materials (Rebar / Cement.....etc.) from outside Nepal, with exemption of Custom Duty / VAT allowed for this Project ? Please confirm.	Please refer to the Compact Section 2.8 which shall be read along with Annex VII – Tax Schedules which provide the conditions for tax exemption, refund or reimbursement of Taxes. The bidder needs to assess the application of taxes on its own depending on its status of incorporation and prior registration in Nepal and under the laws of Nepal. The Compact provides mechanism of tax exemptions or refunds for both imported or locally procured goods subject to Section 2.8 of the Compact.
266.	**PC** *General- Price adjustment*	Please allow bidders to propose Price Adjustment Indices for Electrical and Service portion as an IEEMA, which is very well internationally acceptable by various utilities.	The bidding document provision will not be amended.
267.	**PC** *Application for Interim Payment Certificates* *14.3(c) Amount to be retained shall be: ten percent (10%) of Interim Payment Certificates.*	We request you to delete this clause as already 10% Retention is there as per the Payment terms.	The bidding document provision will not be amended.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
268.	**PC** *Additional Clause- Prolongation cost*	Please add the following as a separate clause in PC. There is no provision of reimbursement of prolongation cost in case project extends beyond original completion period, for reasons not attributable to Contractor.	The bidding document provision will not be amended.
269.	**Section 2 BDS** *BDS- ITB 15.6A The prices for Plant, Goods and Equipment to be supplied from abroad shall be quoted on DDP-Works Site in Nepal Basis. The Employer will provide tax exemption documents where required. If required, documents as per MCA-Nepal tax exemption process attached under Section V (Employer's Requirement) shall be submitted minimum 45 days before arrival of the Goods, Material, Plant and Equipment at Nepal's border. Tentative list of Goods, Material, Plant and Equipment to be imported shall also be submitted to MCA-Nepal on an annual basis for each Nepalese Fiscal Year. The Contractor shall also be responsible for custom clearance and all other associated charges (inside and outside Nepal, including loading, unloading) to bring all required Goods, Material, Plant and Equipment to Works Site.*	In this clause it is mentioned that the bid price shall be quoted on DDP Basis. Also it is mentioned that the tax exemption certificate shall be provided by MCC for which a necessary process shall need to be followed. We have the following queries for your kind consideration and response please. a. Since as per contract conditions, the project is primarily tax exempted project, hence as per our understanding all the supply prices for the material to be imported from outside Nepal must be quoted exclusive of any taxes but as per INCOTERM DDP where Duties etc are to be exempted/Borne by the Employer. Pls confirm if the understanding is correct. b. Being Proximity of Nepal to India, there is possibility that Reinforcement Steel/Cement may also be imported from outside Nepal, hence as per our understanding the custom duties and applicable taxes at custom port for such import shall also be exempted. pls confirm if the understanding is correct or clarify your position in this regards. c. For Services to be Delivered in Nepal, the VAT	Please refer to Compact Section 2.8 which shall be read along with Annex VII – Tax Schedules which provide the conditions for tax exemption, refund or reimbursement of Taxes. The bidder needs to assess the application of taxes on its own depending on its status of incorporation and prior registration in Nepal and under the laws of Nepal. The Compact provides mechanism of tax exemptions or refunds for both imported or locally procured goods subject to Section 2.8 of the Compact. The tax exemption letter as per MCC compact provisions shall be provided to the winning bidder (future contractor) if the required documents as per MCA-Nepal tax exemption process are provided by the contractor.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
		shall need to be borne by MCA Nepal and Claimed by the Successful contractor from MCA Nepal. Hence Output VAT shall not be the cost to the contractor. Pls Confirm if our understanding is correct or clarify your position in this regards.	
270.	**PC** *PC 21 Taxes and duties*	Please clarify the following pointwise: - We understand that all local taxes and duties shall be exempt for the project. - Prices to be quoted and bid evaluation shall be exclusive of all taxes, duties, VAT, levies etc. and the same are to be mentioned in the "Letter of Financial offer".	Please refer to Compact Section 2.8 which shall be read along with Annex VII – Tax Schedules which provide the conditions for tax exemption, refund or reimbursement of Taxes. The bidder needs to assess the application of taxes on its own depending on its status of incorporation and prior registration in Nepal and under the laws of Nepal. The Compact provides mechanism of tax exemptions or refunds for both imported or locally procured goods subject to Section 2.8 of the Compact. Grand Total for Comparison Purpose shall be as Per Price Schedule No. 5: Grand Summary. MCA-Nepal is intending to issue an addendum to the Price Schedule after requesting authority from approval.
271.	**PC** *Sub-Clause 13.8 Adjustments for Changes in Cost Amend Sub-Clause 13.8 by inserting the following after the first sentence of the second paragraph:*	Please elaborate / clarify the meaning of sentence "Adjustment shall be made for the first time", for better understanding and clarity.	The meaning is: When the first time the price adjustment will be applied. For further clarity please refer to sub-clause 13.8 in the Appendix to Letter of Financial Offer.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	"Adjustment shall be made for the first time and with the frequency as stated in the Appendix to Financial Offer."		
272.	**Price Schedule**	We understand that Bidders require to quote the "Unit Price" exclusive of applicable VAT in Nepal, against various items under following Price Schedules : - Price Schedule No.-1 (Design Services) - Price Schedule No.-2 (Plants Supplied from within the Employer's Country) - Price Schedule No.-4 (Installation & Other Services) The applicable VAT will be exempted or reimbursed to Contractor by MCA-Nepal, in addition to the Unit Prices quoted in above Price Schedule. Please Confirm, if our above understanding for VAT applicability is correct.	Please refer to Compact Section 2.8 which shall be read along with Annex VII – Tax Schedules which provide the conditions for tax exemption, refund or reimbursement of Taxes. The bidder needs to assess the application of taxes on its own depending on its status of incorporation and prior registration in Nepal and under the laws of Nepal. The Compact provides for tax exemptions or refunds for both imported or locally procured goods subject to Section 2.8 of the Compact. Grand Total for Comparison Purpose shall be as Per Price Schedule No. 5: Grand Summary. MCA-Nepal is intending to issue an addendum to the Price Schedule after requesting authority from approval.
273.	**PC** *PC 21 Taxes and duties*	Please inform that modalities of taxes and duties as the prices are quoted on DDP basis and taxes and duties are being paid by Employer.	Please refer to Compact Section 2.8 which shall be read along with Annex VII – Tax Schedules which provide the conditions for tax exemption, refund or reimbursement of Taxes. The bidder needs to assess the application of taxes on its own depending on its status of incorporation and prior

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
			registration in Nepal and under the laws of Nepal. With respect to exemption of taxes, the bidders are requested to go through Annex VII Tax Schedules where the mechanism of tax exemptions and refunds are clearly stated for each category of taxes. The tax exemption letter as per MCC compact provisions shall be provided to the winning bidder (future contractor) if the required documents as per MCA-Nepal tax exemption process are provided by the contractor.
274.	**ITB 5.8: Conflict of Interest** *The Bidders and the Contractor shall not have a conflict of interest. All Bidders found to have a conflict of interest shall be disqualified, unless the conflict of interest has been mitigated and the mitigation is approved by MCC. The Employer requires that Bidders and Contractors hold the MCA Entity's interests paramount at all times, strictly avoid conflicts of interest, including conflicts with other assignments or their own*	As per clause "Without limitation on the generality of the foregoing, a Bidder or Contractor, including all parties constituting the Bidder, or Contractor and any subcontractors and suppliers for any part of the Contract, including related services, and their respective personnel and affiliates, may be considered to have a conflict of interest ". Subsequently under sub clause 5.8 (d), "participate in more than one Bid in this process; participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which the party is involved; however, this	Please refer Letter of Technical Offer point 7, which states "We are not participating, as a Bidder or as a subcontractor, in more than one Bid in this bidding process in accordance with ITB Sub-Clause 5.8 (d)." Thus, Suppliers can be a Bidder and Supplier for other Bidders but cannot be a subcontractor.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	corporate interests, and act without any consideration for future work. Without limitation on the generality of the foregoing, a Bidder or Contractor, including all parties constituting the Bidder, or Contractor and any subcontractors and suppliers for any part of the Contract, including related services, and their respective personnel and affiliates, may be considered to have a conflict of interest and (i) in the case of a Bidder may be disqualified or (ii) in the case of a Contractor, the Contract may be terminated if they: (d) participate in more than one Bid in this process; participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which the party is involved; however, this provision does not limit the inclusion of the same subcontractor in more than one Bid;	provision does not limit the inclusion of the same subcontractor in more than one Bid;" Please confirm whether same suppliers by Bidders will be considered as conflict of interest.	
275.	**PC** **General**	Please clarify on time overrun of compact, will there be extension in Compact duration? If not, we request you to please make complete retention payment of completed works before closure of compact.	The Compact duration is not expected to extend. Please refer to Particular Conditions of Contract Sub-Clause 14.9 Payment of Retention Money about release of retention money.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
276.	**Payment terms** *Payment Terms and Appendix to Financial Offer*	From Schedule of Payments, we understand that about more than 20% of the total contract price is withheld upto TOC, in addition to 10% retention upto Defect Notification Completion as per Clause 14.3 (c) of Appendix to Letter of Financial Offer. In view of large value Project with quite tight Time schedule, payment terms shall be relaxed enough to ensure healthy Project Cash Flow. May we request you to please review the Schedule of Payment and should be relaxed inline with other international Multilateral Development Bank funded Contracts, i.e. 20% advance / 75% progressive interim payment / 5% after TOC against submission of Performance Bank Guarantee. Please request to review & issue suitable amendments in this regard.	Your statement is not correct: Apart from 10% retention payment (which will be paid as per Sub-Clause 14.9 of the Conditions of Contract). There is only 10% payment at taking over. Please refer to the Schedule of Payments. There will be no amendment to the Schedule of Payments.
277.	**Appendix to Financial Offer** *Application for Interim Payment 3Certificates:* *14.3(c) Amount to be retained shall be: ten percent (10%) of Interim Payment Certificates.* *14.3(c) Limit of retention money shall be: ten percent (10%) of the Contract Price.*	Request you to kindly keep this Retention money as 5% instead of 20% so as to support Contractor in maintaining the cashflow for executing the Project.	The retention money is at 10% as per 14.3 (c) and there will be no amendment to the Bidding Document.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
278.	**PC** *Vehicle scope*	Please confirm whether vehicles for this project can be sourced from outside Nepal. Also, confirm in such case vehicle shall be exempt of taxes and duties.	Please refer to Compact Section 2.8 which shall be read along with Annex VII – Tax Schedules which provide the conditions for tax exemption, refund or reimbursement of Taxes. The bidder needs to assess the application of taxes on its own depending on its status of incorporation and prior registration in Nepal and under the laws of Nepal. The Compact provides mechanism of tax exemptions or refunds for both imported or locally procured goods subject to Section 2.8 of the Compact and imports of capital goods, inputs and raw materials shall be governed and subject to the Laws of Nepal.
279.	**Appendix to Financial Offer** *Application for Interim Payment 3Certificates:* *14.3(c) Amount to be retained shall be: ten percent (10%) of Interim Payment Certificates.* *14.3(c) Limit of retention money shall be: ten percent (10%) of the Contract Price.*	We understand that 20% of the payment portion is linked to Taking over certificate (TOC) and Defects Liability Period (DLP). While in Appendix to Letter of Financial offer Clause 14.3 (c) there is an additional deduction of 10% as retention money from any Interim Payment Certificate. It is practically challenging for the contractors to handle such cash flow gap. We request you to please review the payment terms and propose as per international Multilateral Funded Contracts i.e. 20% Advance,	Your understanding is not correct. Please review the provisions of the Bidding Document again.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
		75% Interim, 5% on TOC. Please Confirm.	
280.	**PC** *Compact Termination / Expiration.*	Compact Termination / Expiration: We request you to kindly arrange to clarify the Proceedings / Way Forward in case of Contract could not be completed within Contractual time period, for the reasons not attributable to the Contractor, and Compact Period (5 years) expires. Whether, contractor will get any kind of time extension to complete the Balance work OR contract will be terminated in its existing conditions. Please clarify above for better clarity and understandings.	MCA-Nepal expects and will make every effort to complete the project in time. The Contract extension (if any) shall only be done as per the provisions of the Contract. However, in case any part of the contract is not completed within the Compact duration, either the contract will be assigned to a government of Nepal entity, or the contract will be terminated.
281.	**PC** *Compact Termination / Expiration.*	We understand that all the exemptions provided under the Compact (Section 2.8 read with Annex VII) shall be applicable for this Project and override the clauses of Particular Conditions of the Contract, in case of any conflict. Please confirm our understanding.	Please note Section 6.3 of the Compact which clearly states as follows: *Section 6.3 Inconsistencies. In the event of any conflict or inconsistency between: (a) any Annex and any of Articles 1 through 8, such Articles 1 through 8, as applicable, will prevail; or (b) this Compact and any other agreement between the Parties regarding the Program, this Compact will prevail.*

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
			This shall also be applicable in case of any conflict or inconsistency, and therefore, the Compact Agreement shall prevail.
282.	**PC** *Compact Termination / Expiration.*	Kindly refer, Annex VII, MILLENNIUM CHALLENGE COMPACT: Annex VII of the Compact provides for application to Ministry of Finance by the beneficiary to obtain letter of exemption from taxes. In case such exemption letters are not awarded, we understand that the Employer will refund all direct and indirect taxes, custom duties and any other taxes paid by the Contractor or sub-contractor as the case may be. Please confirm our understanding.	Please refer to Compact Section 2.8 which shall be read along with Annex VII – Tax Schedules which provide the conditions for tax exemption, refund or reimbursement of Taxes. The bidder needs to assess the application of taxes on its own depending on its status of incorporation and prior registration in Nepal and under the laws of Nepal. The Compact provides mechanism of tax exemptions or refunds for both imported or locally procured goods subject to Section 2.8 of the Compact. The tax exemption letter as per MCC Compact provisions shall be provided to the winning bidder (future contractor) if the required documents as per MCA-Nepal tax exemption process are provided by the contractor. MCA-Nepal shall liaise with the government authorities to get the tax exemption certificates applicable under the Compact.
283.	**PC** *PC 21 Taxes and duties*	We understand that prices to be mentioned in the "Letter of Financial offer" by the bidder shall be completely exclusive of income taxes,	Please refer to Compact Section 2.8 which shall be read along with Annex VII – Tax Schedules which provide the conditions for

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
		withholding taxes, customs duties, tariffs, import ,export taxes or other taxes imposed on import, usage and re-export of goods, sales tax, valued added tax, excise tax,property (real or personal) transfer tax, local / domestic taxes. Please confirm our understanding is correct.	tax exemption, refund or reimbursement of Taxes. The bidder needs to assess the application of taxes on its own depending on its status of incorporation and prior registration in Nepal and under the laws of Nepal. The Compact provides for tax exemptions or refunds for both imported or locally procured goods subject to Section 2.8 of the Compact. Grand Total for Comparison Purpose shall be as Per Price Schedule No. 5: Grand Summary. MCA-Nepal is intending to issue an addendum to the Price Schedule after requesting authority from approval.
284.	**PC** *PC 14.7 Payment*	After awarding the contract, MCA-Nepal will make the payments to the contractor in the bank account that is mentioned in the signed contract. As the Contractor's discretion, the Bank account can be in Nepal, outside Nepal or both. Please confirm.	Payment will be made in the bank account(s) that is mentioned in contract. The Bank account can be in Nepal, outside Nepal or in both places.
285.	**Appendix to Financial Offer** *Application for Interim Payment 3Certificates:* *14.3(c) Amount to be retained shall be: ten percent (10%) of Interim Payment Certificates.*	We understand that total retention payment applicable is 20%. Please confirm.	Retention Payment as per Conditions of Contract 14.3 (c) will only be as follows: Amount to be retained shall be: **ten percent (10%)** of Interim Payment Certificates and

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	14.3(c) Limit of retention money shall be: ten percent (10%) of the Contract Price.		Limit of retention money shall be: **ten percent (10%)** of the Contract Price. However, payment shall be as per the payment Schedule and thus, you are requested to go through the Schedule of Payments too.
286.	**Appendix to Financial Offer** *Application for Interim Payment 3Certificates:* *14.3(c) Amount to be retained shall be: ten percent (10%) of Interim Payment Certificates.*	Please elaborate on this clause for the better clarity.	Retention Payment as per Conditions of Contract 14.3 (c) will only be as follows: Amount to be retained shall be: **ten percent (10%)** of Interim Payment Certificates and Limit of retention money shall be: **ten percent (10%)** of the Contract Price. That is retention as per the Conditions of Contract 14.3 (c) will be 10% of each Interim Payment Certificate.
287.	**Vol 1 / ITB** *BDS* *31. Price Reasonableness* *The Employer shall make a determination of price reasonableness as required in the MCC Program Procurement Guidelines. If the price reasonableness analysis suggests that a Financial Offer is significantly unbalanced or front loaded, the Employer may require*	This is turneky project and some of line item are quantified and some are in Lot as per bidding documents. Since there is no standard format available in the bidding documents and detailed requirement and method not mentioned for Price Reasonable clause. Bidder understand that the Price Reasonability statement shall be submitted by the bidder based on the queries (if any) raised by the customer at	The queries depend upon the individual situation and during evaluation MCA-Nepal may ask any questions that will be required to substantiate the price reasonability.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	the Bidder to produce a detailed price analysis for any or all items of the Schedule of Prices that demonstrates the internal consistency of prices with the construction methods and schedule proposed. *and* *ITB 12.3* *6) Breakdown of Price for Price Reasonability.*	the time of Commercial Bid evaluation stage after bid submission only and the queries shall be for the specific items where customer understand the price is high. Customer may ask some supporting evidence for Price reasonable at the time of Post bid clarification stage. Please confirm our understanding is correct.	
288.	**Price Schedule** *All 3 Lots* *In tender specification MCA assessed estimated BOQs are provided. While in the Price Schedule for LOT-1 to Lot-3, the items are asked on lumpsum basis.* *Further to the Price Schedule for each lot, it has been asked from the Bidder on Price Reasonability where detailed line items list is provided against which the bidder need to fill in the quantities and unit rates.*	Bidder request to clarify following: a. Since the Project is on Lumpsum Turnkey Basis, hence the bidder must be free to quote as per their own assessed Quantities which may be lesser or more from the quantities assessed by the employer. Please confirm if the understanding is correct. b. As per our understanding the Price Reasonability Break up Schedule where unit prices for each item shall need to be provided by the bidder, shall be used for interim payment purpose also without any further price break up during contract execution stage. Pls Confirm if the understanding is correct. c. In case the answer to the above query is NO, then as per our understanding there shall be another billing break up which shall be used for	a. The Bidder should calculate detailed quantities based on their survey, design and assessment. However, the Bidder must use the Price Schedule for quoting the price and include the cost for all items required. The Bidder Offer must include all the costs to carry out all the requirement stated under the Employer's Requirement. b. There is no such requirement in this bidding process. c. The question is not clear as there is no price reasonability breakdown asked in this procurement. The details if required will be asked during evaluation. Billing mechanism will be agreed between Engineer and the Contractor.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
		interim payment release. Pls Confirm if the understanding is correct. d. As per our understanding, the daywork price schedule shall form the part of overall bid evaluation but shall be exercised only when any additional work or variation/change order to the current contract is issued to the contractor. Pls Confirm if the understanding is correct or clarify your position in this regards	d. Daywork amount will not form the part of Contract Price but will form the part of Contract and may be used by the Engineer (if the Engineer requires) only when any additional item not foreseen under Employer's requirement is required to be executed using daywork.
289.	**Vol 1** **Section IV. Bid Submission Forms** **Cash Flow Projection** *Each Bidder shall set out details of the Cash Flow Projection indicating quarterly projected expenditure throughout the duration of the Contract, both the percent of the Accepted Contract Amount and the cumulative percentage of the Accepted Contract Amount by quarter. The Cash Flow Projection shall address the following, taking into consideration payment of the advance payment, amortization of the advance payment, minimum payments, and the retention: Lump – Sum Payments (default*	We request you to elaborate / clarify the relevance of Lump – Sum Payments, as mentioned above, for this Contract for better understanding and Clarify. Also provide standard format for Cash Flow Projection.	Please refer to Schedule of Payments and Conditions of Contract for detail. Cash flow – there is no standard template for cashflow statement. However, it is advised to provide the cash inflow and cash outflow statement with all the details.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	standard method of payment for the Contract) *(a) The lump sum payments by the deliverables against the timing milestones for the completion of the mobilization.* *(b) The lump sum payments based on deliverables and timing milestones set out in the Contract. Alternatively, the periodic payments should be based on measurements for the construction of the Works according to the proposed construction time schedule.*		
290.	**Vol 1 ITB 38.6** *Clause 38.6 (d) under Conflict of Interest* *Clarification requested:* *It is written in this clause that "During Contract negotiations, the Employer will not consider substitution of any Key Professional Personnel unless both parties agree that undue delay in the selection process makes such substitution unavoidable or for reasons such as death or medical incapacity of one of the Personnel. If this is not the case and if it is established that any Key Professional Personnel were offered in the Bid without*	Since there are some other reasons like an employee separates from the organization due to Personal issues, hence it is practically impossible to bring the same person at contract negotiation stage. In such cases, the alternative suitable replacement must also be acceptable by MCA. Pls Confirm if the understanding is correct.	Please refer to Section I Instructions to Bidders Clause #38.1 and 38.6 in the bidding document, which provides detailed explanation concerning your query.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	confirming their availability, the Bidder may be disqualified."		
291.	**Vol 1** **Section III. Qualification and Evaluation Criteria;** *Key Professional Personnel Qualifications*	All the position requires to identify manpower for each position and bid is valid for 240 days. As per HR practices we cannot bind a personal for such long period and cannot be kept idle till the bid is awarded. Please note we have pool of manpower and the project position are filled based on the project award and execution plan either internally or through hiring process. Please confirm bidder can propose multiple person and the personal shall be deployed based on their availability on award. The bidder has participation in multiple lot then the personal has to be separately identified. Please confirm.	The Bidders are required to adhere to the requirement of the Bidding Document and multiple persons submission is not allowed.
292.	**Vol 1** **Bidding Document - Part 1, BDS 1.1:** **and** **ITB 29.1** *The method of selection is: Competitive Bidding - Quality and Price Based Selection ("QPBS")*	We understand, if a bidder is participating in all three lots, then bidder need not to submit separate technical offer for each lot and one technical offer meeting all the requirements combined of 3 lots will be sufficient as per below: 1. Organizational Capability and Experience of the Contractor : Common for all 3 lots	It is up to the bidder to submit separate or same technical offer for all lots. 1. Organizational Capability and Experience of the Contractor within last 10 Years will be same for all three lots. Though the requirement is 10 years, more years of experience will provide more

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
		2. Approach, Methodology and Work Plan :Separate for all 3 lots. 3. Key Professional Personnel Qualifications :Separate for all 3 Lots Please confirm.	score as per A6. Technical Evaluation Framework 2.It is up to the Bidder, but an specific Approach, Methodology and Work Plan for 3 lots could be better. 3. Must be separate **Key Professional Personnel for each of the three lots.**
293.	**Volume 1** **1TB 38.1** *Negotiations will be held at the address indicated in the BDS. The invited Bidder will, as a pre-requisite for attendance at the negotiations, confirm the availability of all the Key Professional Personnel listed in the Technical Offer. Failure to confirm such Personnel may result in the Employer proceeding to negotiate with the next-ranked Bidder. Representatives conducting negotiations on behalf of the Bidder must have written authority to negotiate and conclude the Contract on behalf of the Bidder.*	All the position require to identify manpower for each position and bid is valid for 240 days. As per HR practices we cannot bind a personal for such long period and cannot be kept idle till the bid is awarded. Please note we have pool of manpower and the project position are filled based on the project award and execution plan. 1. Please confirm bidder can propose multiple person and the personal shall be deployed based on their availability on award. 2. ln case of our participation in multiple lot can be proposed multiple person for each position and same in all the lots. Please confirm.	1. The Bidder must adhere to the Bidding Document requirements and shall not propose multiple persons for a position. 2. Each lot should have a different set of personnel and multiple persons for one position shall not be proposed.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
294.	**Volume 1** **Section Ill. Qualification and Evaluation Criteria; 3. Key Professional Personnel** **Qualifications: And 1TB 19.3 (c) Please refer Clause 38.6, Section-I Instruction to Bidders** *If any of the Key Personnel become unavailable for the extended validity period, the Bidder shall provide a written adequate justification and evidence satisfactory to the Employer together with the substitution request. In such case, a replacement Key Personnel shall have equal or better qualifications and experience than those of the originally proposed Key Personnel. It is written that "During Contract negotiations, the Employer will not consider substitution of any Key Professional Personnel unless both parties agree that undue delay in the selection process makes such substitution unavoidable or for reasons such as death or medical incapacity of one of the Personnel. If this is not the case and if it is established that any Key Professional Personnel were offered in the Bid without*	The technical evaluation will remain to be based on the evaluation of the CV of the original Key Personnel; and All the position require to identify manpower for each position and bid is valid for 240 days. As per HR practices we cannot bind a personal for such long period and cannot be kept idle till the bid is awarded. Please note we have pool of manpower and the project position are filled based on the project award and execution plan. Please confirm bidder can propose multiple person and the personal shall be deployed based on their availability on award. Further the bidder has participation in multiple lot then the personal has to be separately identified. Please confirm.	The Bidders are required to adhere to the requirement of the Bidding Document and multiple persons submission is not allowed.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	confirming their availability, the Bidder may be disqualified."		
295.	**Project Insurance** *Sub-Clause No 18.1 (a), General requirements for Insurance, Section VII-Particular Conditions of Contract*	Bidder request to confirm that it's not compulsory to procure all kind of Project Insurances from Local Agency in Nepal. Contractors are free to secure required Insurances from any of the reputed Agency outside Nepal, belongs to Eligible Countries. Please Confirm.	Confirmed, however the Insurance provided should be applicable/enforceable in the territory of Nepal for it to be acceptable.
296.	**General**	In case the handed over access road get eroded / damaged due to rain or natural calamity during construction phase. We presume that the maintenance and restoration of the damaged access road shall be on account of employer. Please clarify and confirm.	The Employer shall not arrange any access road for the Contractor. The arrangement of access road shall be the responsibility of the Contractor in compliance with MCA-Nepal EIA and ESHSMP document. The maintenance and restoration of the damaged access road due to movement of workers/staff, material and machinery shall be on account of the Contractor and the Bidder must consider the associated costs while submitting the Technical and Financial Offer. In case of damage of access road due to natural catastrophe such as earthquake, hurricane, typhoon, volcanic activity or landslide the Contractor may either decide for alternate access road or may repair the existing access road in consultation with the local authorities at their cost and time.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
297.	**Volume 1** *Please refer clause ITB 15.6 (a), Section-II Bid Data Sheet,* *The prices for Plant, Goods and Equipment to be supplied from abroad shall be quoted on DDP-Works Site in Nepal Basis. The Employer will provide tax exemption documents where required. If required, documents as per MCA-Nepal tax exemption process attached under Section V (Employer's Requirement) shall be submitted* ***minimum 45 days*** *before arrival of the Goods, Material, Plant and Equipment at Nepal's border. Tentative list of Goods, Material, Plant and Equipment to be imported shall also be submitted to MCA-Nepal on an annual basis for each Nepalese Fiscal Year. The Contractor shall also be responsible for custom clearance and all other associated charges (inside and outside Nepal, including loading, unloading) to bring all required Goods, Material, Plant and Equipment to Works Site.*	Please note that for Indian Origin Items, transportation time will hardly take 10-15 days to reach at border from Manufacturers place. Pro-forma Invoice 45 days in advance seems not practical. Bidder request to review & reduce the period for max up to 14 days.	MCA-Nepal requires Proforma Invoice in order to process for custom exemption. The GoN has its own procedures for providing custom exemptions in which multiple GoN departments are involved. So, 60 days is a fairly safe period though it may be less than 60 days also. The discrepancy will be corrected through an addendum to the bidding document after receiving approval from authority.
298.	**Volume 1 Government- Owned Enterprises** *Government-Owned Enterprises ("GOEs") are not eligible to compete for MCC-funded contracts*	Please clarify if a government organization holds more than >3% stake in any registered company (bidder), do they fall under GoE clause, which will call for disqualification.	MCC Program Procurement Guidelines include requirements for eligibility, including:

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	for goods (which includes contracts for the supply and installation of information systems) or works. GOEs (a) may not be party to any MCC-funded contract for goods or works procured through an open solicitation process, limited bidding, direct contracting, or sole source selection; and (b) may not be prequalified or shortlisted for any MCC-funded contract for goods or works anticipated to be procured through these means. This prohibition does not apply to Government-owned Force Account units owned by the Government of the MCA Entity's country, or Government-owned educational institutions and research centers, any statistical, mapping or other technical entities not formed primarily for a commercial or business purpose, or where a waiver is granted by MCC in accordance with Part 7 of MCC Program Procurement Guidelines. All Bidders must certify their status as part of their Bid submission.		a) You are requested to go through the provision of Part 13. Government-Owned Enterprises under MCC Program Procurement Guidelines at https://assets.mcc.gov/content/uploads/guidance-2020001236804-procurement-program.pdf to check your eligibility. MCC will verify the submitted Government-Owned Enterprises (GOE) certification form and will make a decision based on (i) the submitted documentation and (ii) further research regarding the GoE status of all firms that submit proposals. A Government-Owned Entity is not eligible to compete for MCC funded projects, for goods and works. b) A "GOE," or government-owned enterprise, is any enterprise established for a commercial or business purpose that is owned and/or controlled by a government, whether directly or indirectly. c) The PPG state under P13.2 that "GOEs are not eligible to compete for MCC-funded contracts for goods or works."

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
			d) "Owned" means a majority or controlling interest (whether by value or voting interest) of the shares or other ownership interest of the entity (whether directly or indirectly and whether through fiduciaries, agents, or other means). "Controlled by" is necessarily determined on a case-by-case basis, but means material support for, or the power by any means to control, an enterprise regardless of (i) the level of ownership, or (ii) whether the power is exercised. Detailed information is provided in part 13 of the PPG. e) P13.1.5 states "Additional evidence of control may be found in the organizational history of the enterprise regardless of its current status. In some cases, a GOE may be privatized or otherwise reorganized in such a manner that it loses its status as a GOE. In other cases, a GOE may purportedly have been privatized, but continue to receive subsidies or other forms of support from a government to such a degree that it can effectively be

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
			considered to be controlled by the government". f) Furthermore, "Evidence of control may also be assumed by MCC for enterprises from countries that have been **deemed non-market economies**[1] by either the US Department of Commerce or the World Trade Organization." g) Regarding eligibility please also check the links on page 113 of the bidding document: h) System for Award Management (SAM) Excluded Parties List - https://www.sam.gov/SAM/pages/public/searchRecords/search.jsf i) World Bank Debarred List - https://www.worldbank.org/debarr j) US Treasury, Office of Foreign Assets Control, Specially Designated Nationals (SDN) List - https://sanctionssearch.ofac.treas.gov/ k) US Department of Commerce, Bureau of Industry and Security, Denied Persons List - https://www.bis.doc.gov/index.php/the-denied-persons-list

[1] https://www.trade.gov/nme-countries-list

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
			l) US State Department, Directorate of Defense Trade Controls, AECA Debarred List - https://www.pmddtc.state.gov/ddtc_public?id=ddtc_kb_article_page&sys_id=c22d1833dbb8d300d0a370131f9619f0 m) US State Department, Foreign Terrorist Organizations (FTO) List - https://www.state.gov/foreign-terrorist-organizations/ n) US State Department, Executive Order 13224 - https://www.state.gov/executive-order-13224/ o) US State Sponsors of Terrorism List - https://www.state.gov/state-sponsors-of-terrorism/
SN	**Reference to the Bidding Document**	**Questions from Bidders**	**Response of Millennium Challenge Account Nepal (MCA-Nepal)**
299.	**General**	We would like to bring to your kind attention that we are very keen to participate in the subject tenders and are in process of preparing our offers. We have received the addendum and clarifications issued till now and waiting for balance clarifications. It is a very prestigious project for us. In line with the complexity of this project there is need to detail engineering for	MCA-Nepal has already extended the deadline of submission until 4 September 2023.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
		further understanding. Also, for documentation there is need of time. In lieu of above we humbly request you to kindly extend the current bid due date by at least for 6 to 8 weeks from current due date, enabling us to submit our competitive and techno-commercially acceptable bid. We believe you will consider our remarks and look forward to your intimation on issuance of extension in current bid due date	
SN	**Reference to the Bidding Document**	**Questions from Bidders**	**Response of Millennium Challenge Account Nepal (MCA-Nepal)**
300.	**As per Addendum -2 / Attachment-2 / Item No.1/ Gas Insulated Switchgear** I. At least Five years in manufacturing of Gas Insulated Switchgear. II. Must be the manufacturer of Gas Insulated Switchgear who have been, for not less than Five (05) years, a manufacturer of 380kV or above GIS and must have designed, manufactured, tested (as per or relevant international standard), supplied, at least three (3) GIS Substations having cumulative ten (10)	We request you to please amend the existing clause as below mentioned: - Must be the manufacturer of Gas Insulated Switchgear who have been, for not less than Five (05) years, a manufacturer of 220kV or above GIS and must have designed, manufactured, tested (as per or relevant international standard), supplied, at least three (3) GIS Substations having cumulative ten (10) number of Circuit breaker bays of 220kV or above and short circuit level 50 kA or above, and which should be in successful operation.	The Bid Document will not be amended.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	number of Circuit breaker bays of 380kV or above and short circuit level 50 kA or above, and which should be in successful operation. III. Manufacturer shall also have supplied at least three (3) Gas Insulated Switchgear (GIS) Substation of 220kV or above voltage class equipment during last 05 years outside the Manufacturers home country and which should be in successful operation. IV. The above criteria (I, II, and III) would also be applicable to Gas Insulated Bus ducts (GIB). V. Manufacturer shall provide evidence that it is ISO 9001 certified	Manufacturer should have supplied HV GIS equipments (132kV and above) in at least three substation outside the Manufacturers home country and which should be in successful operation.	
301.	**"221123_Lot1_RAT_PSR** **221123_Lot2_NBW_PSR** **221123_Lot3_NDM_PSR** *Cl No 3.20.5* *Cl No 3.19.5* *Cl No 3.19.5*	As per clarification 2, Point No 378 & 383, you have mentioned ""statutory approvals/clearances are contractor's responsibilities"" but as per Clause No 3.19.5 of Lot2_NBW_PSR, the Employer shall provide the necessary access to the proposed area including making use of the	The statutory approvals/clearances are contractor's responsibilities and MCA-Nepal may facilitate during the process as required. Please note that, the Employer shall provide the following facilities:

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	The Employer shall provide the following facilities: *a) Such right of access at the proposed area is necessary to enable the Contractor to proceed with the clearance of trees and scrubs for all the works specified in Bill of Quantities.* *b) The right to construct and make use of the reasonable track to the proposed area for the transport of materials and the carrying out of erection operations, except where the route crosses orchards, gardens or other ground over which the Employer decides that such a track is not reasonably practical.* **Clarification No 2"***Point No 378 & 383"* *The statutory approvals/clearances are contractor's responsibilities and MCA-Nepal may facilitate during the process as required.*	reasonable track. Hence kindly confirm the below. Bidder understands that for all substation, encumbrance free and unhindered site access along with all statutory approvals will be under the scope and responsibility of Employer. We also understand that Right of Way is not applicable for Butwal & Damoli substation and the encumbrance free land required for the same is already available. Kindly confirm."	a) Such right of access at the proposed area is necessary to enable the Contractor to proceed with the clearance of trees and scrubs for all the works specified in Bill of Quantities. b) The right to construct and make use of the reasonable track to the proposed area for the transport of materials and the carrying out of erection operations, except where the route crosses orchards, gardens or other ground over which the Employer decides that such a track is not reasonably practical. Kindly adhere to the requirements of the bidding document.
302.	**BOQ- Auto Transformer** **LOT1 ->** *2.1.1----167 MVA, (400/√3/220/√3/33) kV, Single Phase Auto-Transformer with OLTC, RTCC Facility, Surge protection arrangement (AIS) for HV, IV and LV side and with*	Employer may kindly note that, there shall not be any surge protection arrangement (AIS) in the scope with the transformer manufacture, if any same shall be in the sub-station contractor. Kindly confirm.	Please note that the current scope of work is not limited to the supply of the transformers only. The entire requirements to fulfill the scope of work will be in the scope of the contractor.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	Bushing CT complete with all accessories as specified **LOT2 -> 2.1.1** *Auto-Transformer, 315 MVA, 400/220/33 kV, Three Phase, OLTC, RTCC facility, surge protection arrangement (AIS) on both sides including tertiary, Bushing CT, all fittings & accessories as specified/ required for completion of the scope of works as per technical specification* **LOT3 ->** *2.1.1 167 MVA, (400/√3/220/√3/33) kV, Single Phase Auto-Transformer with OLTC, RTCC Facility, Surge protection arrangement (AIS) for HV, IV and LV side and with Bushing CT complete with all accessories as specified*		
303.	**Section-III, Qualification/ Evaluation criteria 6** **1.AUTOTRANSFORMER SPECIFICATIONS** **1.1SINGLE-PHASE AUTO TRANSFORMER** *OLTC (On load tap changer)-* *OLTC shall be offered from among the following manufacturers: MR Germany, ABB Sweden* **&** **GTP 6**	With reference to the requirement of MR Germany/ABB , it may be note that BHEL has its own design and manufactured OLTC which are supplied to all customers with all voltage and MVA ratings of transformer, BHEL all Major national and international customers accepts the BHEL manufactured OLTC. Acceptance of BHEL manufactured OLTC will also help in the timely delivery of transformer package and lowering the cost.	This is the specific requirement of the project. Bidders are requested to adhere to the requirements of the bidding document.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	17.1 -Manufacturer MR Germany or ABB Sweden	Therefore, Employer is requested to kindly review the requirements of ABB/MR make transformer and accept the BHEL OLTC.	
304.	**Part 2: Employer's Requirements** **Section V – B0 (General Technical Requirement)***5. Materials to Be Transported in Metallic Drums*	With reference to the requirement of materials in metallic drums, it may be noted that we have our own proven and time-tested process to dispatch the material in wooden boxes, Therefore, Employer is requested to kindly review the requirements and accept our standard process of dispatch the materials.	The Bidders are requested to adhere to the requirements of the bidding documents.
305.	**Part 2: Employer's Requirements** *24.12 24.2 FIRE FIGHTING SYSTEM*	Requirement of firefighting system is specified in GTR, however same is not mentioned as required in BOQ or Technical specification specific to Transformer, therefore we understand that same, is not required for transformer or if, required same is not in the scope of transformer manufacturer rather in the scope of sub-station contractor. Kindly Confirm	Please note that the current scope of work is not limited to the supply of the transformers only. The entire requirements to fulfill the scope of work will be in the scope of the contractor.
306.	**B1.1 PROJECT SPECIFIC REQUIREMENT (PSR),** **LOT 1,** *3.3 3.3 AUTO TRANSFORMERS* *7 (6 + 1 Spare) of 167 MVA, 400/√3/220/√3/33 kV single phase, ……* *……. surge protection device, Neutral Current transformer (NCT) and all fittings & accessories as specified/ required for completion of the scope of*	Employer may kindly note that with reference to the scope of supply of LOT1, LOT@ & LOT3 There shall not be any surge protection device, Neutral Current transformer (NCT) in the scope with the transformer manufacturer, if any same shall be in the sub-station contractor. Kindly confirm. Further note that oil storage Tank is not required as per BOQ, if it is required, kindly provide the capacity, Kindly confirm.	Please note that the current scope of work is not limited to the supply of the transformers only. The entire requirements to fulfill the scope of work will be in the scope of the contractor. The size of oil storage tank will be determined during the detailed engineering based on the techno economic design proposed by the Contractor and its subsequent approval by the Engineer. Further, please note that the purpose of

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	works as per technical specification *iii. Oil storage tank of suitable size.* **LOT 2** *3.2 AUTO- TRANSFORMER* *2 NOS OF 315MVA, 400/√3/220/√3/33 KV 3----------* *- NECESSARY ARRANGEMENT FOR DELTA FORMATION OF LV WINDING & NEUTRAL FORMATION AND EARTHING ARRANGEMENT, SURGE PROTECTION DEVICE, NEUTRAL CURRENT TRANSFORMER (NCT) AND ALL FITTINGS & ACCESSORIES AS SPECIFIED/ REQUIRED FOR COMPLETION OF THE SCOPE OF WORKS AS PER TECHNICAL SPECIFICATION.* *III. OIL STORAGE TANK OF SUITABLE SIZE.* **& LOT 3** *3.2 AUTO TRANSFORMERS* *A. 7 (6 + 1 SPARE) OF 167 MVA* ----------		price schedules is to identify the Bid Price which will be used to determine progress payments. The Bidder shall quote the price under the Price Schedule required to carry out the Work stated under the Employer's Requirements (including technical specifications).

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	SURGE PROTECTION DEVICE, NEUTRAL CURRENT TRANSFORMER (NCT) AND ALL FITTINGS & ACCESSORIES AS SPECIFIED/ REQUIRED FOR COMPLETION OF THE SCOPE OF WORKS AS PER TECHNICAL SPECIFICATION. *III. OIL STORAGE TANK OF SUITABLE SIZE.*		
307.	**Part 2 : Section V B1 (Technical Specifications)** **CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION** *1.1 GENERAL REQUIREMENT: - G. AUTOTRANSFORMERS SHALL ALSO BE FITTED WITH A SUFFICIENT NUMBER OF GIS ENABLED IMPACT RECORDERS DURING TRANSPORTATION TO MEASURE THE MOVEMENT DUE TO IMPACT IN ALL THREE DIRECTIONS.*	We understand that GPS enabled impact recorder is required, with this reference note that bidder supplies impact recorder without tracking system and for tracking of the shipment GPS enabled trailer/transport is used. This is the prevailing requirement and same practice is followed nationally/ internationally by all customers. Employer is requested to accept and confirm.	Bidders are requested to adhere to the requirements of the bidding document.
308.	**Part 2 : Section V B1 (Technical Specifications)** **CHAPTER 3: AUTO-TRANSFORMER SPECIFICATION** *3.1. TANK AND TANK ACCESSORIES*	Bidder will supply transformers suitable for roller mounted that will rest on rails, however roller locking shall be provided for the movement of transformer during earthquake or otherwise, same practice is followed by all national and international customers. Employer is requested to accept and confirm.	The Contractor may propose the same complying with the Employer's requirement subject to the approval of the Engineer during detailed engineering.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	VI. THE TANK SHALL BE DESIGNED IN SUCH A WAY THAT IT CAN BE MOUNTED ON THE FOUNDATION DIRECTLY.		
309.	**General ITB 5.6, Page-17, Vol-1** *REGARDING PARTICIPATION IN BIDDING PROCESS*	We are a Govt. of India enterprise (GOE) and leading manufacturer of power plant equipment incl. transformers / other sub-station equipment. Despite being a Govt. of India enterprise, we enjoy financial & operational autonomy with dedicated board and having proper organization structure. Understand that Government owned Enterprises (GOEs) are not allowed to participate in this tender directly. However, can we supply our equipment to other EPC contractors participating in this bidding / procurement process. Please confirm.	The main bidder must comply with the requirement of Part 13 of MCC Program Procurement Guideline, before proposing any GoE as supplier. For further details, the bidder shall review Part 13 of the Program Procurement Guidelines, specifically the paragraph P13.3.4.
310.	**Part 2: Employer's Requirements** **Section V – B1 (Technical Specifications)** *Clause no: 6. SITE DRAINAGE*	As per scope of work, the internal drainage is in bidder scope. However, in specification the construction of drain (both sides of road or single side of road) is not specified. We presume that, the internal drainage shall be single side of the road. Please confirm.	It is responsibility of the contractor to design suitable drainage system complying with the employer's requirement and that will be subject to the approval of the Engineer.
311.	**Dwg no: RTE-400-1 (Rev-2)** *Clause no: 6. SITE DRAINAGE*	We trust that, the construction of road, drain, cable trench shall be only for 400kV & 220kV for proposed Ratmate SS area. In future area (i.e., 132kV area, 33kV area) the above-mentioned activities is not in bidder's scope. Kindly confirm.	Preparation of overall drainage layout, design, drawing and providing rainwater drainage system within the substation boundary under the present scope, including connection at one or more points to the outfall point located outside the

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
			substation boundary but within the area of the acquired land, is in the scope of work of the contractor.
312.	**Dwg no: RTE-400-1 (Rev-2)** **Dwg no: NDM-400-1 (Rev-2)** **Dwg no: NBW-400-1 (Rev-1)**	Please provide overall boundary co-ordinate & overall plot area for all the proposed Substation.	Bidders are requested to access the kmz file through the link below: https://mcanp.org/wp-content/uploads/2023/03/Annex-B01-13_Link.pdf
313.	**Part 2: Employer's Requirement Section V – B1 (Project Specific Requirements)** **221123_Lot1_RAT_PSR** **221123_Lot2_NBW_PSR** **221123_Lot3_NDM_PSR** *Cl.no: 3.21 LIMIT SCOPE OF SUPPLY AND INTERFACES 3.20 LIMIT SCOPE OF SUPPLY AND INTERFACES 3.20 LIMIT SCOPE OF SUPPLY AND INTERFACES*	Based on scope of work & clarifications, we understand that the boundary wall is not in bidders scope for the proposed package (all 3 SS).as per scope of work, the river protection work/ flood protection work (if required) is to be constructed outside the boundary wall. In the absence of plot boundary & property line mark up, it is difficult to calculate the exact quantum of work at pre bid stage for river protection & flood retaining wall. Request to provide the river protection wall & flood retaining wall as unit rate item (for all SS).	Kindly adhere to the requirements of the bidding document. Furthermore, the boundary wall kmz has already been shared through an addendum. The Bidders are requested to visit https://mcanp.org/wp-content/uploads/2023/03/Annex-B01-13_Link.pdf to access the kmz files.
314.	**Part 2: Employer's Requirement Section V – B1 (Project Specific Requirements)** **221123_Lot1_RAT_PSR** **221123_Lot2_NBW_PSR** **221123_Lot3_NDM_PSR** *Cl.no: 3.21 LIMIT SCOPE OF SUPPLY AND INTERFACES 3.20 LIMIT SCOPE OF SUPPLY AND INTERFACES*	Based on scope of work & clarifications, we understand that the boundary wall is not in bidders scope for the proposed package (all 3 SS). as per scope of work, the external drainage work is to be constructed outside the boundary wall. In the absence of plot boundary & property line mark, it is difficult to calculate the exact quantum of work at pre bid stage for external drainge. Request to provide the External drainage work as	Kindly adhere to the requirements of the bidding document. Bidders are requested to visit https://mcanp.org/wp-content/uploads/2023/03/Annex-B01-13_Link.pdf to access the kmz files.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	3.20 LIMIT SCOPE OF SUPPLY AND INTERFACES	unit rate item (for all SS) also provide the type of drain (brick masonry or stone masonry) & open type or covered type.	
315.	**Price schedule : 221031_Lot3_NDM_PS_Base Schedule No. 4.3 : Breakdown of Civil Works** **Price schedule : 221031_Lot1_Rat_PS_Base Schedule No. 4.3 : Breakdown of Civil Works** **Price schedule : 221031_Lot2_NBW_PS_Base Schedule No. 4.3 : Breakdown of Civil Works** *Cl.no: 4.3.2.11 4.3.2.10 4.3.2.12*	As per price schedule, the Portable Water System (Including Water Treatment Plant, Pumping Facilities, Storage Tank and all Required Facilities) is in bidders scope. However the detailed specification and requirements for portable water system is not provided in tender specification. kindly provide the details of Water Treatment Plant, Pumping Facilities, Storage Tank and all Required Facilities. in order to estimate the quantum of work.	MCA-Nepal may issue an addendum to the bidding document subject to the approval of the authority.
316.	**Part 2: Employer's Requirements** **Section V – B1 (Technical Specifications)** **SECTION 3: CONCRETE SPECIFICATION** *Cl.no: 3.17.2.14 SPECIFIC CIVIL WORKS IN THE SUBSTATION*	In referred clause, it is mentioned that "The design and construction of RCC structures shall be carried out as per relevant BS and minimum grade of concrete shall be M-25 (design Mix). Higher grades of concrete than specified above may be used at the discretion of the Contractor without any additional financial implication to the Employer. However the grade of Concrete for Piling work is not mentioned in the tender specification. We trust that, the piling concrete & all other	If pile foundations are adopted, the same shall be cast-in-situ driven/bored or pre-cast or under reamed type as per relevant parts of relevant British standard codes (B S Codes)/ equivalent International Standards. Only RCC piles shall be provided. Suitability of the adopted pile foundations shall be justified by way of full design calculations. Detailed design calculations shall be submitted by the contractor showing complete details of piles/pile groups proposed to be used.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
		structural concrete shall be M25. Please confirm.	
317.	**Part 2: Employer's Requirements** **Section V – B1 (Technical Specifications)** *Design parameters*	We wish to inform that, the wind speed, Seismic zone & Site Spectra details for design of structure is not provided in tender document. Kindly provide the Wind speed & seismic zone for the proposed Ratmate, Damuali & Butwall SS. Inorder to design of towers & building work.	MCA-Nepal is intending to issue an addendum to include wind speed as 47m/s for the project subject to the approval of the authority. Kindly refer to NBC 105 for your clarification. However, please note that PGA value requirement is already been mentioned in GPD and PSR of each project.
318.	**Part 2: Employer's Requirements** **Section V – B1 (Project Specific Requirements)** *1.2.1 ENVIRONMENTAL CONDITIONS*	As per referred clause, It is indicated that the altitude is 492m, 120m & 334m above MSL for Ratmate, Butwal & Damuali respectively. All the 3 S/S site, the minimum ambient temperature is mentioned as 1 °C. We trust that, for Mild Steel we can use E250 Quality 'A' & for High Tensile steel (if any) E350 Quality 'A' steel for all the 3 /SS. please confirm. If not, kindly indicate the quality of steel to be used for MS & for HT. Also, please confirm that all S/S structures galvanization shall be 610g/sq.m.	Kindly adhere to the requirements stated in Chapter 8: Steel Structures Specification of Technical specification under the Employer's Requirement of the bidding document.
319.	**New Ratmate Substation, 221031_Lot1_Rat_PS_Base & 221123_Lot1_Rat_PS_Option, 2.8.4.11**	As per the referred line item, Metering for 220kV system is mentioned. Please check & clarify the requirement, as all the 220kV line bays are under	MCA-Nepal will review the proposal and may issue an addendum to the bidding document subject to the approval of authority.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
		future scope & only the respective 220kV GIS modules are under present scope. Please confirm.	
320.	**Ratmate 400/220/132/33kV Substation, Drawing no. RTE-300-1, 400 & 220kV GIS building General arrangement & New Butwal 400/220/132/33/11kV Substation, Drawing no. NBW-300-1, 400kV GIS building General arrangement & New Damauli 400/220/132/33/11kV Substation, Drawing no. NDM-300-1, 400kV GIS building General arrangement**	i) Whether the dimension of the GIS Hall can be changed based on bidder's design in order to optimize the proposal? ii) Whether the LCC for GIS can be placed inside the GIS Hall itself instead of placing it in the adjacent relay & control room?	i) GIS Hall can be designed and optimized complying with the Employer's Requirement and technical specifications. The design will be subject to the approval of engineer during detailed engineering. ii) As the GIS layout shows, the GIS local control panels (LCC) and protection panels are located in the room adjacent to the GIS room. This arrangement optimizes the CT, PT and control cables. The mimic bus, SAS, metering and telecommunication panels should be located in the control building. The Contractor's design should optimize the location of the control and relay panels.
321.	**Ratmate 400/220/132/33kV Substation, Drawing no. RTE-120-1 - 400/2200kV Control house drawing & New Butwal 400/220/132/33/11kV Substation, Drawing no. NBW-120-1 - 400/2200kV Control house drawing &**	Please confirm, Whether the dimension of each room in control building shall be changed based on bidder's design in order to optimize the proposal.	GIS Hall can be designed and optimized complying with the Employer's Requirement and technical specifications. The design will be subject to the approval of engineer during detailed engineering.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	New Damauli 400/220/132/33/11kV Substation, Drawing no. NDM-120-1 - 400/2200kV Control house drawing		
322.	**New Butwal 400/220/132/33/11kV Substation Drawing no. NBM-200-1 - General arrangement**	Kindly provide the 220kV tower structure details (Height of Tower + Peak) for Butwal Substation.	The same will be provided to the successful bidder(s) during detailed engineering.
323.	**Ratmate 400/220/132/33kV Substation, Drawing no. RTE-110-5, 48V DC Distribution board**	i) Kindly clarify the requirement of 48V DCDB for 33kV bays. Kindly clarify the requirement of 48V supply for server room panels.	Two distribution boards for 132kV and 33 kV systems are shown (1,2,3,4). The DCDB 5,6,7 and 8 are shown as future and should not be in the scope of this contract. The Bidders are requested to analyze to comply with the Employer's Requirement to be subjected to the Engineer's approval during detailed engineering.
324.	**New Ratmate Substation 221123_Lot1_RAT_PSR, clause 2.1.2, NEW HETAUDA SUBSTATION & 221123_Lot1_RAT_PSR, clause 2.1.3, LAPSIPHEDI SUBSTATION**	In referred clause 2.1.2 it is mentioned as "Supply and Installation of Digital Protection Coupler (DPC) for these lines suitable for E1 port of SDH equipment and associated Power & Control Cables, Fibre optic cables, and accessories for New Hetauda end of Ratmate-New Hetauda 400kV lines are under other Contractor's scope and shall be used for tele protection application. " And in referred clause 2.1.3, it is mentioned as "For 400kV Ratmate– Lapsiphedi D/C Lines, 2 Nos. of Digital Protection Couplers are understood to be supplied, delivered, installed and commissioned by the other Contractor of	Your understanding is correct. However, please refer 221123_Lot1_RAT_PSR, clause 2.1.2, NEW HETAUDA SUBSTATION & 221123_Lot1_RAT_PSR, clause 2.1.3, LAPSIPHEDI SUBSTATION for further clarification regarding the scope of works.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
		NEA at Lapsiphedi End and the same shall be used for tele protection application for Ratmate–Lapsiphedi D/C Lines" However in clarification set-1, Sl. No. 19, client confirmed to the query regarding DPC quantity to be supplied at Lapsipedi, & Hetauda End. Based on specification clause mentioned above within quotes, we presume that DPC shall be supplied by other contractor at Lapshipedi & Hetauda Ends. Only integration of DPC with SDH is under the scope of this contract. Please confirm.	
325.	**New Ratmate Substation, 220913_Lot1_RAT_TS, Chapter-10, clause 3.9 New Butwal Substation, 220913_Lot2_NBW_TS, Chapter-10, clause 3.9 New Damauli Substation, 220913_Lot3_NDM_TS, Chapter-11, clause 3.9**	The referred clause is provided with specification of Bay control unit under Chapter Control and Relay panel Specification. However, the specification for Bay monitor is also provided in clause 7, under Chapter Substation Automation system. We presume that both the clauses are same and bidder has to provide one bay control and monitoring IED for each 400kV / 220kV bay and shall be installed in respective control & relay panel which shall be located in control & relay panel room adjacent to the GIS hall. Please confirm whether bidder understanding is correct.	Your understanding is correct.
326.	**230530 Clarifications #1_DB_Substations_final, Sl. No. 105**	In referred clause, Client replied as, "As the GIS layout shows, the GIS local control panels (LCC) and protection panels are located in the room adjacent to the GIS room. This arrangement optimizes the CT, PT and control cables. The	Kindly adhere to the earlier response.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
		mimic bus, SAS, metering and telecommunication panels should be located in the control building. The Contractor's design should optimize the location of the control and relay panels." We presume that Mimic bus shall be part of bay control unit IED and there is no requirement of any Hardwired backup mimic panels in the present scope. Please confirm.	
327.	**Clarification-2, SI. No. 256 Part 2: Employer's Requirements Section V B1 (Technical Specifications) Chapter12: Telecommunications Specifications General 1.1 i)**	We presume the equipment as Digital Protection Coupler. Please confirm & provide technical specification for the same.	Kindly adhere to the requirements of the bidding documents.
328.	**New Butwal Substation 221123_Lot2_RAT_PSR, clause 3.8 a & b**	In referred clause 3.8, a, it is mentioned as "The Digital Protection Coupler matching with the Gorakhpur S/S and associated power & control cables, fibre cables and accessories for New Butwal S/S is under the present scope of work and shall be used for tele protection application. " And in referred clause 3.8, b, it is mentioned as "The PLCC Equipment and Line traps as specified shall be installed at the New Butwal S/S end of the New Butwal – Indo Nepal Border transmission line. The Contractor shall be responsible for coordinating the exact technical specifications of the equipment to be supplied by him with the specifications of already	Confirmed. The Digital Protection Coupler matching with the Gorakhpur S/S and associated power & control cables, fibre cables and accessories for New Butwal S/S is under the present scope of work and shall be used for tele protection application.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
		finalized/procured/installed carrier equipment at the Gorakhpur substation." However in clarification set-1, Sl. No. 19, client confirmed to the query regarding DPC/APC quantity to be supplied at Gorakhpur End is contradictory with specification points. Based on specification clause mentioned above within quotes, we presume that DPC/PLCC shall be supplied by other contractor at Gorakhpur End and Bidder has to match with the technical specification of the remote end equipment only. Please confirm.	
329.	**Clarification-2, SI. No. 288**	In clarification-2 Sl.No.288, client replied as "Design of trench layout of each substation is in the current scope of work." for the query regarding trench routing at Hetauda & lapsiphedi SS "Please provide the Substation / Trench layout of each substation for estimating the length of FO cable." Based on client response, we presume that only buried trench design for FO cable laying shall be in bidder scope. Please confirm.	The design of trench layout will be shared with the successful bidders during detailed engineering.
330.	**Clarification-2, SI. No. 290**	In clarification-2 Sl.No.290, client replied as "That would mean use of Lightning Arresters of suitable ratings for HV, IV and LV side of the transformers, their mounting arrangement to the main tank, connection of earthed terminals to	The same will be decided during detailed engineering as per the provisions of the contract, subject to the approval of engineer.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
		earth electrodes/ earth mats etc. as required." for the query "Surge protection arrangement (AIS) for HV, IV and LV side for Power Transformer. Please clarify" We request client to accept the arrangement of mounting Surge arrester on standalone supporting structure also based on layout requirement. Please confirm.	
331.	**Clarification-2, SI. No. 347**	In clarification-2 Sl.No.347, client replied as "Tertiary compartment requirement is confirmed and cable boxes shall be air insulated. They shall be of sufficient size to accommodate cables to be connected. Cable boxes shall have suitable removable side/top cover to facilitate cable termination and inspection. Cable boxes shall be dust & vermin proof." for the query regarding tertiary compartment and confirm requirement of air filled cable box on tertiary. We request client to accept the Tertiary with oil to air bushing which shall be sufficient to disconnect the manual jumpering between bushing to cable termination for spare switching. Please confirm.	Confirmed.
332.	**PCC 1.7** *"Neither Party shall assign the whole or any part of the Contract,*	Bidder requests that Employer shall only assign its rights, benefits, obligations, liabilities under the Contract with the Contractor's prior written	The bidding document provision shall not be amended.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	or any benefit or interest in or under the Contract; provided that, the Employer may assign the whole or any part of the Contract, or any benefit or interest in or under the Contract, to another person or entity of the Government (or another entity designated by the Government) without the consent of the Contractor"	consent. Also, any such assignment by the Employer shall neither diminish the Contractor's rights and remedies nor increase the Contractor's liabilities and obligations available under the law or the Contract.	
333.	**PCC 2.1** *"If and to the extent that the Employer's failure to give right or possession to site within the agreed upon time was caused by any error or delay by the Contractor, including an error in, or delay in the submission of, any of the Contractor's Documents, the Contractor shall not be entitled to such extension of time, Cost, or profit."*	Request you to clarify on correlation between bidder's provision of documents and employer's failure to hand over right or possession of site.	The provision is very clear that, if and to the extent that the Employer's failure to give right or possession to site within the agreed upon time was caused by any error or delay by the Contractor, including an error in, or delay in the submission of, any of the Contractor's Documents, the Contractor shall not be entitled to such extension of time, Cost, or profit. That is if the delay of Employer is due to Contractor, the Contractor shall not be entitled to such extension of time, Cost, or profit.
334.	**PCC 3.5** *"In the event a Party disagrees with any agreement or determination and intends to seek a revision under Clause 20, that Party must give notice of such disagreement to the Engineer and*	Bidder seeks for deletion of the extracted portion of the clause - "Failing to provide such notice of disagreement within 28 days shall bar the Party from later	The bidding document provision shall not be amended.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	the other Party within 28 days of receiving the relevant agreement or determination. Failing to provide such notice of disagreement within 28 days shall bar the Party from later seeking any revision of the agreement or determination."	seeking any revision of the agreement or determination."	
335.	**PCC 8.6** *"Additional Costs of revised methods, including acceleration measures, instructed by the Engineer to reduce delays resulting from causes listed under Sub-Clause 8.4 [Extension of Time for Completion] shall be paid by the Employer, without generating, however, any other additional payment benefit to the Contractor."*	Please clarify this clause as it seems contradictory	Only additional costs for revised methods, including acceleration measure upon instruction of the Engineer to reduce delays listed in the Sub-Clause 8.4 will be paid by the Employer.
336.	**PCC 17.6** *"Neither Party shall be liable to the other Party for loss of use of any Works, loss of profit, loss of any contract or for any indirect or consequential loss or damage which may be suffered by the other Party in connection with the Contract, other than as specifically provided in Sub-Clause 8.7 [Delay Damages]; Sub-Clause 11.2 [Cost of Remedying Defects]; Sub-Clause 15.4 [Payment after Termination]"*	Bidder requests for deletion of the extracted portion of clause - "Sub-Clause 11.2 [Cost of Remedying Defects]; Sub-Clause 15.4 [Payment after Termination]"	The bidding document provision shall not be amended.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
337.	**GCC 19.1** *Force Majeure*	Kindly confirm that the following are included in the definition of Force Majeure- Epidemic, pandemic, quarantine restrictions, lockdowns imposed by the appropriate Government	Please refer to the Conditions of Contract (GCC & PCC).
338.	**General** *Concurrent delay*	We request the following insertion which clarifies how concurrent delays will be dealt in the contract- "If a delay caused by a matter which is the Employer's responsibility is concurrent with a delay caused by a matter which is the Contractor's responsibility, Contractor shall be entitled to an extension of time in accordance with Sub-Clause 8.4 [Extension of Time for Completion] for that period of delay caused by the Employer. In the event of concurrent delay, no Delay Damages shall be levied on the Contractor by the Employer for any delay to the Works that is caused by an event of Force Majeure or by an event or variation for which the Employer is responsible."	The bidding document provision shall not be amended.
339.	**GCC 15.5** *The Employer shall be entitled to terminate the Contract, at any time for the Employer's convenience, by giving notice of such termination to the Contractor. After this*	Bidder requests that the Contractor shall also be entitled to the amount of any loss of profit or other losses and damages suffered by the Contractor as a result of this termination	The bidding document provision shall not be amended.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	termination, the Contractor shall proceed in accordance with Sub-Clause 16.3 [Cessation of Work and Removal of Contractor's Equipment] and shall be paid in accordance with Sub-Clause 19.6 [Optional Termination, Payment and Release].		
340.	**GCC 1.13** *the Contractor shall give all notices, pay all taxes, duties and fees, and obtain all permits, licences and approvals, as required by the Laws in relation to the design, execution and completion of the Works and the remedying of any defects; and the Contractor shall indemnify and hold the Employer harmless against and from the consequences of any failure to do so*	Please provide a matrix for the approvals, permits and licenses to be procured by the Contractor. Ideally, the Contractor's scope in this regard should be limited to the labour related approvals for execution of the works.	This is Contractor's responsibility.
341.	**GCC 20.1 r/w PCC** *Notice for Contractor's claims- If the Contractor considers himself to be entitled to any extension of the Time for Completion and/or any additional payment, under any Clause of these Conditions or otherwise in connection with the Contract, the Contractor shall give notice to the Engineer, describing the event or circumstance giving rise to the claim. The notice shall*	Bidder requests that failure of the Contractor to give Notice of a claim within 28 days shall not operate as a waiver of that claim. The Contractor's claim shall stand discharged only to such extent (if any) to which the failure to provide timely notice has prevented or prejudiced proper investigation of the claim. We request the replacement of the time period for notification of Contractor's claims as hereunder-	The bidding document provision shall not be amended.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	be given as soon as practicable, and not later than 28 days after the Contractor became aware, or should have become aware, of the event or circumstance. If the Contractor fails to give notice of a claim within such period of 28 days, the Time for Completion shall not be extended, the Contractor shall not be entitled to additional payment, and the Employer shall be discharged from all liability in connection with the claim. Otherwise, the following provisions of this Sub-Clause shall apply	"not later than 28 days" to be replaced with "as soon as reasonably practicable".	
342.	**Addendum 2 - Attachment 2 - Note** *The Bidder must propose only one manufacturer for the above each listed major equipment (under 1 to 9) in their technical offer. Approved equipment cannot be changed without MCA-Nepal approval*	Proposing only one manufacturer for each listed major equipment will lead to monopolistic situation during contract finalization which ultimately will add the risk in the considered prices. Hence, we request you to allow proposal of more than one manufacturers (at least two) for each major equipment without change of technical requirements as per general practice of all other international tenders.	The bidder must propose only one manufacturer for the Gas Insulated Switchgear and Autotransformers. Further, the bidder may propose more than one manufacturer for others equipment among the listed major equipment in their technical offer. MCA-Nepal may issue an addendum to the bidding document incorporating the above provision after approval from the authority.
343.	**Clarification 2, Sl No. 288** *No construction works have started at the Lapsiphedi Substation.*	As we understand that no construction work is started at the Lapsiphedi substation yet, please confirm whether the scope in Lot -1 at Lapsiphedi substation will be descoped if the work front is	The Bidders are requested to submit their proposals as per the requirements of the Bidding Document.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
		not available within 6 months from the date of acceptance of offer.	Any decision related to such issues will be taken during Contract implementation considering all the available options as per the provisions of the Contract.
344.	**Clarification 2, Sl No. 278** *MCA-Nepal is looking for a project which has been successfully and substantially completed.*	We request you to define 'substantial completion' of projects	The project on which taking over certificate or similar certificate has been issued will be considered as substantially completed.
345.	**Addendum 4, Sl. No. 2** ***1.*** *Minimum average annual construction turnover of Lot 1: US$85 Million, Lot 2: US$52 Million, Lot 3: US$54 Million calculated as total certified payments received for contracts in progress or completed, within the last three (3) years. Values to determine annual construction turnover are to be demonstrated in the audited financial statements (income statements) of the last three (3) years. To be eligible for award of more than one lot, the bidder needs to satisfy the total requirements for the lots in consideration* ***2.*** *Minimum average annual design turnover of Lot 1: US$ 150,000, Lot 2: US$ 100,000, Lot 3: US$ 100,000, Calculated as total certified*	The reference clause seeks to consider annual construction turnover as total certified payments received for contracts in progress or completed. It is also mentioned that the values to determine annual construction turnover are to be demonstrated in audited financial statements. For a bidder, there may be more than 500 contracts with hundreds of customers and combining details of all certified payments may not be possible. Also, as per general practice, the details of certified payments are not mentioned in annual financial statements. Hence, as per prevailing international competitive bidding practices, we request you to accept annual turnover as per the values given in financial statements.	We are in the process to resolve this issue through an addendum to the bidding document after receiving approval from the authority.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
	payments received for contracts in progress or completed, within the last three (3) years. Values to determine annual design turnover are to be demonstrated in the audited financial statements (income statements) of the last three (3) years. *A certificate issued by the Bidder's Chartered Accountant certifying that the design turnover was of value in US$ (value of the design turnover in an year) will also be acceptable.* *To be eligible for award of more than one lot, the bidder needs to satisfy the total requirements for the lots in consideration*		
346.	**Clarification 2, Sl No. 383** *Query - Additional Clause-Permits and Approvals Statutory approvals, tree cutting, forest clearance, site clearances, access to site and right of way are in the scope of the Employer. Please confirm* *Response - The statutory approvals/clearances are contractor's responsibilities and MCA-Nepal may facilitate during the process as required.*	As per 4.1.1.1 / 4.1.2.1 / 4.1.3.1 - Works Excluded in GPD - Forest clearance / permit are in employer's scope. Please confirm.	Forest clearance related permit will be in the scope of MCA-Nepal.
347.	**3.19.1 Project specific requirement**	In referred clause, the details of training required for employer's personnel are given. Please	The requirements are for each substation separately.

SN	Reference to the Bidding Document	Questions from Bidders	Response of Millennium Challenge Account Nepal (MCA-Nepal)
		confirm whether the requirements are cumulative for all three substations or for each substation.	
348.	**Annex B01-5-Vehicle Specifications & Site Facilities For The Employer/Engineer** *As per vehicle specifications - Engine Displacement (cc) - 2900 or more* *As per PSR - Engine Displacement (cc) - minimum 2500*	The ratings given in specification are PSR differ from each other. Hence, please confirm the actual requirement.	Please refer to clarification #3 for your kind reference.