

# NEPAL ELECTRICITY AUTHORITY

## PROJECT MANAGEMENT DIRECTORATE

### NEW BUTWAL AND KUSHMA SUBSTATION EXPANSION PROJECT

#### Attendance of Pre – Bid Meeting

For

OCB No: PMD/ETDSP/NBKSEP-081/82-01




Design, Supply, Installation and Commissioning of transformer & bays (220kV, 132 kV, 33 kV & 11 kV) for the Expansion of New Butwal & Kushma Substation

Date: 18<sup>th</sup> April 2025.



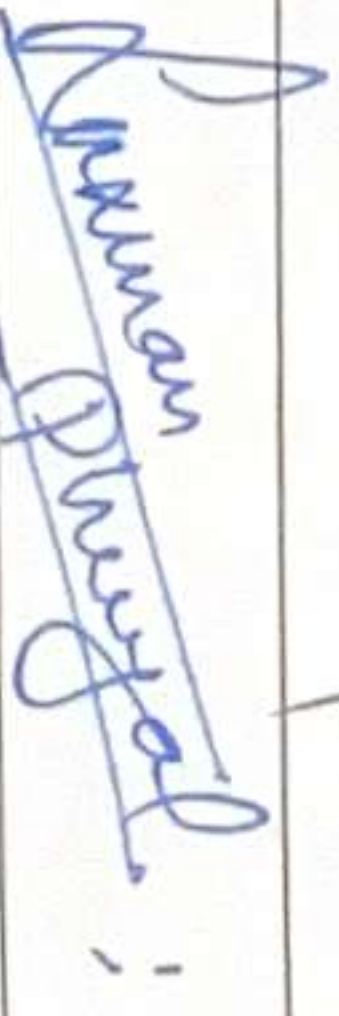

Venue: Project Management Directorate, Matatirtha, Kathmandu

Subject: Tender No: PMD/ETDSP/NBKSEP-081/82-01


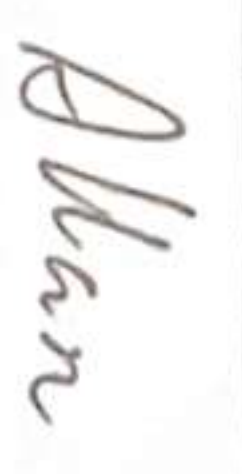
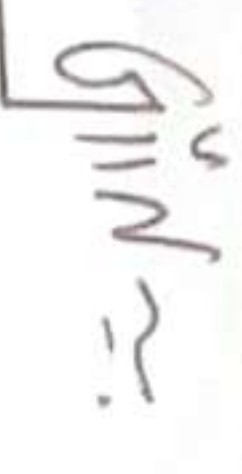


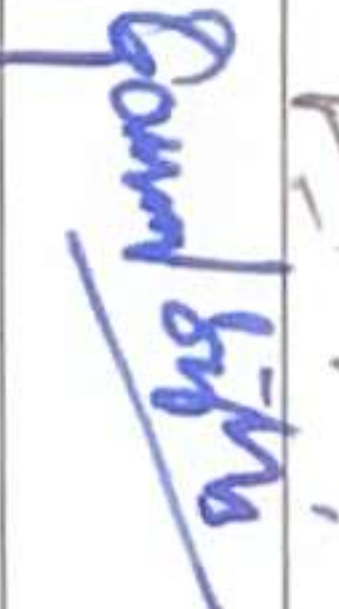
#### Participants from the Employer

S.N.	Name	Designation	Organization	Signature
1	Abhaya Neupane	Deputy Manager	NEA	
2	Ukesh Shrestha	Deputy Manager	NEA	
3	Vishwa Ranjan Mishra	Deputy Manager	NEA	

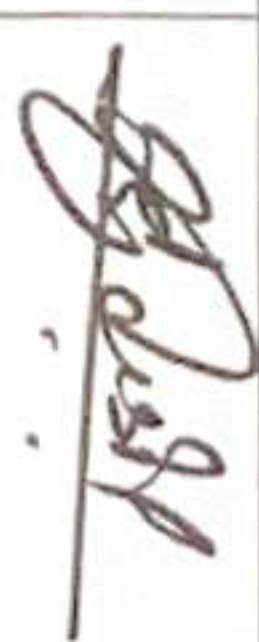

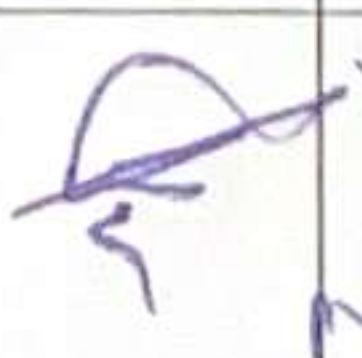




4	Sushil Aryal	Deputy Manager	NEA	
5	Pharsuram Pandey	Deputy Director	NEA	
6	Laxman Phuyal	Assistant Manager	NEA	
7	Phool Mohammad Rayeen	Engineer	NEA	

Participants from the Prospective Bidders


S.N.	Name	Organization	Designation	Email address	Signature
1	Rahul Kumar Jha	TBEA	Civil Engineer	jha.rahul610@gmail.com	
2	Allan	TBEA	Marketing	zhengzhiyong@tbea.com	
3	Uddeshya Gautam	CWE	Business Dev. Manager	uddeshya.cwe@gmail.com	
4	Sabin Thapaliya	COVEC	CFO	<del>sabin.thapaliya@covec.com</del> sabin.thapaliya@gmail.com	
5	Tej Oli	Sarowor Group	Electrical Engineer	tej.b.oli@gmail.com	
6	Gaurav Singh	Linxon India Pvt. Ltd.	Assistant Project Manager	gaurav.singhgusain@linxon.com	



S.N.	Name	Organization	Designation	Email address	Signature
7	Raju Shiwakoti	Linxon India Pvt. Ltd.	Construction Manager	raju.shiwakoti@linxon.com	
8	Gumdata Gore	Linxon India Pvt. Ltd.	Tender Manager	gumdata.gore@linxon.com gurudatt.gore@linxon.com	
9	Ajay Gaur	GE VERNOVA T&D	Lead Sales and Proposal specialist	ajay.gaur@gevernova.com	
10	Krishna Mishra	Sayuj Construct	MD	krishana.sayuj@gmail.com	
11	Sudarshan Sapkota	Linxon India Pvt. Ltd.	Admin.	sudeshsakota66@gmail.com	

12 Wang Xichao POWERCHINA Representative wxc8223@sepcol.com 王锡超  
SEPCOL



				Date:	16-Apr-2025
Tender		Construction of 220kV/132kV/33kV/11kV New Butwal Substation and 220kV/132kV/33kV Kushma Substation, Nepal			
Customer		Nepal Electricity Authority			
Contractor		Amara Raja Power System Limited, Hyderabad			
Sr.No	Reference Section	Description	Clarification Required	Response from Client	Remarks
1	CI No. 3.2.1.3 & Page 8 Vol-II	Existing 220 transformer bay, 1 no. to dismantle the 220/132/11 kV, 100 MVA ICT and connect new 220/132/11 kV, 315 MVA ICT on the same bay along with related switchgears.	As per referred clause we understand that we need to consider new breaker with compatible of new transformer of 315MVA but we observed that in BOQ new breaker qty is not mentioned, only additional CT & isolators qty mentioned in BOQ. We understand that the previously installed CB, LA are compatible with new ICT. Please clarify.	NEA confirms that pre-installed CB, LA are compatible with new ICT	
2	CI No. 4.1.E & Page 12 Vol-II	Transformer: 2 Nos. of 315 MVA, 220/132/11 kV, 3-Phase Outdoor Power Transformers	We understand that presently there is not any scope related to tertiary winding 11kv of 315 MVA, 220/132/11 kV transformer.	Presently, the tertiary winding 11 kV is used for station transformer supply.	
3	SECTION-11-POWER AND CONTROL CABLE, CI. No. 2.A. Page 418	33 kV power cable shall be from 33 kV Gantry to Outside substation area up to distribution feeder point.	Bidders understand that 33 kV power cable shall be from 33 kV Gantry to Outside substation area up to distribution feeder point is not in our scope. Please clarify	33 kV is indoor type. Please refer Project Specific Requirement	
4	CI No. 4.B. Sr. 4 & 7; Page 11 Vol-II & SLD; BOQ	Sr. 4:-8 nos. of 33 kV Feeder module (630A) including CTs, Control & Relays with all accessories as per specification. Sr. 7:-2500 mtr of 33 kV HT armored Copper Cable (1CX400 SQmm) for 6 nos. of 33 kV feeder line along with 6 ladder cable trench and termination equipment at both end joints, with all accessories complete	In SLD & referred Sr. 4 there are 8 nos of Line feeder whereas as in BOQ and Sr. 7 6 nos of feeder is mentioned. Please Clarify.	Please refer BoQ	
5	CI No. 4.1.O. Page 13 Vol-II	Use of AC and DC source from existing AC/DC board. If spare not available addition of AC and DC board required.	In Price Schedule Line item for LT Switchgear in not mentioned, Please add Line Item for LT Switchgear.	Bidders are requested to assess the existing system during the site visit	
6	SECTION-22-DRAWINGS	Drawings	We have not received compete required Layout drawings. Please provide 132/33kV and 33/11kV Complete layout at new butwal and 132/33kV substation layout of Kushma Substation.	For bidding purpose, please refer section 22: Drawings	
7	CI No. 4.1. G & H. Page 12 Vol-II	G:- Relay and protection system as per section – Control and Relay (C & R) Panels identical to the existing system. H:- The existing busbar protection shall be extended to 220kV and 132kV bays supplied under this bid.	We understand that Integration work with existing CRP & Bus Bar Protection is under our scope. It is request you please share Existing CRP & Bus Bar protection Make & Model for both PSS Location.	Bidders are requested to assess the existing system during the site visit	
8	General	PG-13 New butwal PSS Geotechnical survey	As per Technical Specification Clause 4.1-W, Page 13 (a), please confirm whether the geotechnical survey has been conducted for the existing substation and share the relevant details.	Please refer <a href="https://nea.org.np/tender_prequalification">https://nea.org.np/tender_prequalification</a>	
9	General	PG-14 Dismantle of Existing 100 mva trafo.	As per Technical Specification Clause 4.1-W, Page 14 (d), the dismantling of the 100 MVA transformer is under the contractor's scope. Kindly confirm and share the details of the transformer.	Bidders are requested to assess the existing system during the site visit	
10	General	PG-14 Boundary wall_New Butwal PSS	As per Technical Specification Clause 4.1-W, Page 14 (k), construction of the boundary wall around the property is under the bidder's scope. Kindly confirm the type, length, and coordinates for the construction of the boundary wall.	Bidders are requested to refer BoQ and assess site	
11	General	Approach road_New Butwal PSS	Please confirm the length and type of the approach road, along with slope considerations from the nearby village road.	Bidders are requested to refer BoQ and assess site	
12	General	PG-18 Kushma PSS Geotechnical survey	As per Technical Specification Clause 4.2-S, page 18, please confirm whether the geotechnical survey has been conducted for the existing substation and share the relevant details.	Please refer <a href="https://nea.org.np/tender_prequalification">https://nea.org.np/tender_prequalification</a>	
13	General	PG-18 Boundary wall _Kushma PSS	As per Technical Specification Clause 4.2-S, Page 18 (i), the construction of the boundary wall around the property falls within the bidder's scope. Kindly confirm the type, total length, and coordinates for the proposed boundary wall construction.	Bidders are requested to refer BoQ and assess site	
14	General	Approach road _Kushma PSS	Please confirm the length and type of the approach road, along with slope considerations from the nearby village road.	Bidders are requested to refer BoQ and assess site	
15	Levelling	Land Development	Kindly confirm the level considerations for both the New Butwal and Kushma substations. Please also share the formation levels based on the topographical survey. As observed from Google imagery, the Kushma substation appears to be uneven in level. We request your confirmation on the same.	Please refer <a href="https://nea.org.np/tender_prequalification">https://nea.org.np/tender_prequalification</a>	
16	Drain	Drain detail	Please confirm the type of drain length and the outlet for the stormwater design.	Bidders are requested to refer BoQ and assess site	




Sl. No	Documents	Clause	Description	Bidders Queries	NEA Reply
1	Vol-1, Section-7, General Condition of contract	GCC Clause 10.2	Employer Responsibilities - Handing over of Site and Right to way to the Site.	We understand that in the event of delay in handover of Site due to delay by Employer under GCC Clause 10, we would be entitled to claim extension of time with costs under Clause 40 of the GCC. Please confirm.	Please refer SCC and GCC of the bidding document
2	Vol-1, Section-7, General Condition of contract	GCC Clause 40.1(e)	Extension of Time for Completion	We understand that under this clause time extension shall be provided in case of breach of GCC clause 10 by Employer. Please confirm.	Please refer all GCC clause 40.1 a-g
3	Vol-1, Section-7, General Condition of contract	Clause 16	Confidential Information	We understand that in absence of any specified protection period, the obligation of confidentiality shall survive for 2 years from the date of operation acceptance. Please confirm	Please refer as mentioned in the GCC
4	Vol-1, Section-7, General Condition of contract	Clause 21.2.2	Upon receipt of such item, the Contractor shall inspect the same visually and notify the Project Manager of any detected shortage, defect, or default. The Employer shall immediately remedy any shortage, defect, or default, or the Contractor shall, if practicable and possible, at the request of the Employer, remedy such shortage, defect, or default at the Employer's cost and expense....	We understand that there shall be no employer supplied material under this contract and hence this clause shall not be applicable. However if Employer supplied material, we understand that Time for Completion shall be extended accordingly in the event of delay on account of the Employer as per clause 40.1 (e)	It is confirmed that there is no employer supplied material under this contract
5	Vol-1, Section-7, General Condition of contract	Clause 22.6	If the work done or caused to be done by the Employer is work that the Contractor was liable to do at its own expense under the Contract, the reasonable costs incurred by the Employer in connection therewith shall be paid by the Contractor to the Employer. Otherwise, the cost of such remedial work shall be borne by the Employer	We Propose following: If the work done or caused to be done by the Employer is work that the Contractor was liable to do at its own expense under the Contract, the reasonable actual costs incurred by the Employer in connection therewith shall be paid by the Contractor to the Employer.	Please refer GCC Clause 22.6
6	Vol-1, Section-7, General Condition of contract	Clause 25.0	Commissioning and Operational Acceptance	We understand & request NEA to consider the description of Completion Certificate & Operational Acceptance Certificate will be furnish after individual Substation completion & commissioning respectively.	NEA will refer the GCC Clause
7	Vol-1, Section-7, General Condition of contract	Clause 27.2 & SCC 27.0	- The Defect Liability Period shall be 540 days from the date of Completion of the Facilities (or any part thereof) or 1 year from the date of Operational Acceptance of the Facilities (or any part thereof), whichever first occurs, unless specified otherwise in the SCC pursuant to GCC Subclause 27.10  - The critical components covered under the extended defect liability are PowerTransformers and Substation Automation System (SAS) and the period shall be 3(three) years.	We understand that DLP period starts immediately after completion of facilities of individual bay in Substations.  We also express that extended DLP for critical components for 3 years additional to 540 days is very high & manufacturer are having reservation for this long period.  Hence we request you to change the clause as under: The critical components covered under the extended defect liability are PowerTransformers and Substation Automation System (SAS) and the period shall be 2(years ) from the date of completion of facilities.	Please refer SCC Clause 27
8	Vol-1, Section-7, General Condition of contract	Clause 27.8	If the Facilities or any part thereof cannot be used by reason of such defect and/or making good of such defect, the Defect Liability Period of the Facilities or such part, as the case may be, shall be extended by a period equal to the period during which the Facilities or such part cannot be used by the Employer because of any of the aforesaid reasons.	We request that warranty for replaced items shall have a cut-off date beyond which all obligations of Contractor for warranty shall cease to exist. The existing clause may result in evergreen warranty obligations for contractor. Hence, original DLP of the equipment / shall remain same.	Please refer clause 27.8



9	Vol-1, Section-7, General Condition of contract	Clause 27.9	Except as provided in GCC Clauses 27 and 33, the Contractor shall be under no liability whatsoever and howsoever arising, and whether under the Contract or at law, in respect of defects in the Facilities or any part thereof, the Plant, design, or engineering, or work executed that appear after Completion of the Facilities or any part thereof, except where such defects are the result of the gross negligence, fraud, criminal, or willful action of the Contractor.	<p>We propose following:</p> <p>Except as provided in GCC Clauses 27 and 33, the Contractor shall be under no liability whatsoever and howsoever arising, and whether under the Contract or at law, in respect of defects in the Facilities or any part thereof, the Plant, design, or engineering, or work executed that appear after Completion of the Facilities or any part thereof, except where such defects are the result of the gross negligence, fraud, criminal, or willful misconduct action of the Contractor. Willful action needs to be changed to willful misconduct. Definition should be as provided below:</p> <p>1.1 "Willful Misconduct" means, on the part of a Party's Managerial or Senior Supervisory Personnel, an intentional and wrongful act, or an intentional and wrongful omission of some act, in either case with the intent to inflict damage or injury. 1.2 "Managerial or Senior Supervisory Personnel" means any person employed by a party that is not an hourly worker, clerk, craft labourer, mechanic, foreman, subcontractor, engineer, inspector, Technical Advisor ("TA"), TA Site Manager, Customer Performance Manager, first level of managerial or supervisory personnel, or Senior Supervisory Personnel, an intentional and wrongful act, or an intentional and wrongful omission of some act, in either case with the intent to inflict damage or injury.</p>	Please refer the GCC Clause 27.9
10	Vol-1, Section-7, General Condition of contract	Clause 29.1	Such indemnity shall not cover any use of the Facilities or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, any infringement resulting from the use of the Facilities or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the Contractor, pursuant to the Contract Agreement	<p>Please add the below to clause 29.1:</p> <p>Notwithstanding anything contained in the Contract, the Contractor shall have no obligation or liability with respect to any Claim based upon (a) Products or Services that have been modified, or revised, (b) failure of Employer to implement any update provided by Contractor that would have prevented the Claim, or (c) Products or Services made or performed to Employer 's specifications. For avoidance of any doubt each party shall retain ownership of all confidential information and intellectual property it had prior to the contract. All rights in and to products not expressly granted to Employer are reserved by contractor. All new intellectual property conceived or created by contractor in the performance of this contract, whether alone or with any contribution from Employer, shall be owned exclusively by contractor. Employer agrees to deliver assignment documentation as necessary to achieve that result.</p>	Please refer GCC clause no. 29.1



11	Vol-1, Section-7, General Condition of contract	Clause 30.1(b)	the aggregate liability of the Contractor to the Employer, whether under the Contract, in tort or otherwise, shall not exceed a multiple of the Contract Price specified in the SCC or, if a multiple is not so specified, the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the Contractor to indemnify the Employer with respect to patent infringement.	<p>We propose following:</p> <p>The aggregate liability of the Contractor to the Employer, whether under the Contract, in tort or otherwise, shall not exceed the amount resulting from the application of the multiplier specified in the SCC, to the Contract Price or, if a multiplier is not so specified, the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the Contractor to indemnify the Employer with respect to patent infringement.</p> <p>There should not be exceptions to the limit of liability for the cost of repairing and replacing defective equipment. This should be a part of the limitation of liability. Please modify.</p> <p>The terms Gross Negligence and Willful Misconduct shall have following meaning:</p> <p>1.3 "Gross Negligence" means tortious acts or omissions by Contractor's Managerial or Supervisory Personnel, well in excess of negligence and amounting to an intentional disregard of a grave, known risk, where such disregard constitutes an extreme deviation from even minimal care.</p> <p>1.4 "Willful Misconduct" means, on the part of a Party's Managerial or Senior Supervisory Personnel, an intentional and wrongful act, or an intentional and wrongful omission of some act, in either case with the intent to inflict damage or injury.</p>	Please refer GCC Clause 30.1 (b)
12	Vol-1, Section-7, General Condition of contract	Section 7 - General Conditions of Contract, Clause 33.1	the Contractor shall indemnify and hold harmless the Employer and its employees and officers from and against any and all suits, actions, or administrative proceedings, claims, demands, losses, damages, costs, and expenses of whatsoever nature, including attorney's fees and expenses, in respect of the death or injury of any person or loss of or damage to any property other than the Facilities whether accepted or not, arising in connection with the supply and installation of the Facilities and by reason of the negligence of the Contractor or its Subcontractors, or their employees, officers, or agents, except any injury, death, or property damage caused by the negligence of the Employer, its contractors, employees, officers, or agents.	<p>We Propose following:</p> <p>The Contractor shall indemnify and hold harmless the Employer and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of whatsoever nature, including attorney's fees and expenses, in respect of the death or injury of any Third party or loss of or damage to any <b>third party</b> property, arising in connection with the supply and installation of the Facilities and by reason of the negligence of the Contractor or its Subcontractors, or their employees, officers or agents, except any injury, death or property damage caused by the negligence of the Employer, its contractors, employees, officers or agents.</p> <p>Please add the following as Clause 33.1: Employer (as an "indemnifying party") shall indemnify the contractor (as an "indemnified party") from and against claims brought by a third party, on account of personal injury or damage to the third party's tangible property, to the extent caused by the negligence of the indemnifying party in connection with this contract. In the event the injury or damage is caused by joint or concurrent negligence of the Employer and contractor, the loss or expense shall be borne by each party in proportion to its degree of negligence. For purposes of contractor's indemnity obligation, no part of the products or site is considered third party property.</p>	Please refer GCC Clause 33.1



13	Vol-1, Section-7, General Condition of contract	Section 7 - General Conditions of Contract, Clause 34.1	To the extent specified in the Appendix (Insurance Requirements) to the Contract Agreement, the Contractor shall at its expense take out and maintain in effect, or cause to be taken out and maintained in effect, during the performance of the Contract, the insurances set forth below in the sums and with the deductibles and other conditions specified in the said Appendix. The identity of the insurers and the form of the policies shall be subject to the approval of the Employer, who should not unreasonably withhold such approval.	To the extent specified in the Appendix (Insurance Requirements) to the Contract Agreement, the Contractor shall at its expense take out and maintain in effect, or cause to be taken out and maintained in effect, during the performance of the Contract, the insurances set forth below in the sums and with the deductibles and other conditions specified in the said Appendix. <del>The identity of the insurers and the form of the policies shall be subject to the approval of the Employer, who should not unreasonably withhold such approval.</del>	Please refer GCC Clause 34.1
14	Vol-1, Section-7, General Condition of contract	Section 7 - General Conditions of Contract, Clause 34.1 (b)	Covering physical loss or damage to the Facilities at the Site, occurring prior to Completion of the Facilities, with an extended maintenance coverage for the Contractor's liability in respect of any loss or damage occurring during the Defect Liability Period while the Contractor is on the Site for the purpose of performing its obligations during the Defect Liability Period.	As upon completion of switchyard all the installation activities shall be over and considering the same we propose that Installation all risks insurance will be effective till TOC, beyond that it should be covered under client's property insurance. Please confirm.	Installation All Risk Insurance should be beyond the TOC, during the DLP as per GCC clause 34.1 b
15	Vol-1, Section-7, General Condition of contract	Section 7 - General Conditions of Contract, Clause 34.1 (c )	Third Party Liability Insurance Covering bodily injury or death suffered by third parties including the Employer's personnel, and loss of or damage to property occurring in connection with the supply and installation of the Facilities.	As Employee's personnel shall be covered in Employee's own insurance program, we request to amend the clause as below: Third Party Liability Insurance Covering bodily injury or death suffered by third parties including the <del>Employer's personnel</del> , and loss of or damage to property occurring in connection with the supply and installation of the	Please refer GCC Clause 34.1 c
16	Vol-1, Section-7, General Condition of contract	Section 7 - General Conditions of Contract, Clause 34.1 (f )	Employer's Liability In accordance with the statutory requirements applicable in any country where the Contract or any part thereof is executed.	Kindly specify the statutory requirements if any.	
17	Vol-1, Section-7, General Condition of contract	Section 7 - General Conditions of Contract, Clause 34.5	The Employer shall at its expense take out and maintain in effect during the performance of the Contract those insurances specified in the Appendix (Insurance Requirements) to the Contract Agreement, in the sums and with the deductibles and other conditions specified in the said Appendix.	Please specify the amount of deductibles.	Please refer the Appendix (insurance requirements)
18	Vol-1, Section-7, General Condition of contract	Section 7 - General Conditions of Contract, Clause 43	Assignment Neither the Employer nor the Contractor shall, without the express prior written consent of the other party which consent shall not be unreasonably withheld, assign to any third party the Contract or any part thereof, or any right, benefit, obligation or interest therein or thereunder, except that the Contractor shall be entitled to assign either absolutely or by way of charge any monies due and payable to it or that may become due and payable to it under the Contract.	Please add the following at the end of the Clause: Nothing herein shall affect the right of the Contractor to assign receivable under the Contract by way of factoring.	Please refer the GCC Clause 43 of the bidding document





19	Vol-1, Section-7, General Condition of contract	Appendix 3 - Insurance Requirements (A) Insurances To Be Taken Out By The Contractor	In accordance with the provisions of GCC Clause 34, Contractor shall at its expense take out and maintain in effect, or cause to be taken out and maintained in effect, during the performance of the Contract, the insurances set forth below in the sums and with the deductibles and other conditions specified in the said Appendix. The identity of the insurers and the form of the policies shall be subject to the approval of the Employer, who should not unreasonably withhold	In accordance with the provisions of GCC Clause 34, the Contractor shall at its expense take out or cause to be taken out and maintained in effect, during the performance and maintain in effect, during the performance of the contract, the insurances set forth below in the sums and with the deductibles and other conditions specified. Please delete : <b>The identity of the insurers and the form of the policies shall be subject to the approval of the employer, such approval not to be unreasonably withheld.</b>	Please refer the Appendix (insurance requirements) and corresponding GCC Clause
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20	Vol-1, Section-7, General Condition of contract	Appendix 3 - Insurance Requirements (b) Installation All Risks Insurance	Installation All Risks Insurance Covering physical loss or damage to the Facilities at the Site, occurring prior to completion of the Facilities, with an extended maintenance coverage for the Contractor's liability in respect of any loss or damage occurring during the defect liability period while the Contractor is on the Site for the purpose of performing its obligations during the defect liability period	As upon completion of switchyard all the installation activities shall be over and considering the same we propose that Installation all risks insurance will be effective till TOC, beyond that it should be covered under client's property insurance. Please confirm	Please refer Appendix 3 and corresponding GCC Clause
21	Vol-1, Section-7, General Condition of contract	Appendix 3 - Insurance Requirements (b) Installation All Risks Insurance	(*) Excess 5% of claimed amount subject to minimum of NRs. 10,000 or its equivalent for Normal and NRs. 30,000 or its equivalent for testing period	We request NEA to delete the foot note: <b>(*) Excess 5% of claimed amount subject to minimum of NRs.10,000 or its equivalent for Normal and NRs. 30,000 or its equivalent for testing period or collapse.</b>	Please refer the Appendix 3 (b)
22	General	General	New Clause- No Nuclear use	The Employer shall confirm that the products/goods and services provided under this contract shall not be used in connection with any nuclear plant or nuclear use.	Confirmed
23	General	General	EHS	Contractor has no responsibility or liability for the pre-existing condition of Employer's equipment or the Site. Prior to Contractor starting any work at Site, Employer will provide documentation that identifies the presence and condition of any Hazardous Materials existing in or about Employer's equipment or the Site that Contractor may encounter while performing under this Contract. Employer shall disclose to Contractor industrial hygiene and environmental monitoring data regarding conditions that may affect Contractor's work or personnel at the Site. Employer shall keep Contractor informed of changes in any such conditions. We understand that GE shall also not be responsible for pre-existing <del>natural disasters risks inside and outside Employer premises</del>	Please follow the Project Specific EMP mentioned in Volume II of the bidding document
24	General	General	EHS	This is to inform that as per GE EHS practices, GE to Stop Work in case a safety risk is identified and to maintain a safe working environment at Site enabling GE to Stop Work. Please As per GE EHS Policy / Guidelines. Please confirm.	Please follow the Project Specific EMP mentioned in Volume II of the bidding document. Safety is priority to either party
25	Vol-1, Section-8, Special Condition of Contract	SCC 26.0	Completion Time Guarantee      Applicable rate for liquidated damages: 0.05 % of Contract Price per day of delay Maximum deduction for liquidated damages: 10% of Contract Price	Request for revision in the clause : Applicable rate for liquidated damages: 0.05 % of delayed portion of Contract Price per day of delay and maximum upto 5% of contract value	Please follow the SCC clause no. 26, volume I of the bidding document
26	Vol-1, Section 8 - Special Conditions of Contract	SCC 8.2	Time for Commencement and Completion: - The Time for Completion of the whole of the Facilities shall be 630 days from the Effective Date as described in the Contract Agreement	Due to the worldwide disruption in supply chain for major commodities like Metals, CRGO, steel materials & also in view of high demand of transformer at present delivery time of 315MVA Transformer is more than 780 days. considering all the factors in present scenario the completion of the whole of the Facilities shall be 630 days is not sufficient. Hence, we request you to please increase the completion time schedule to 960 days.	Due to urgency of the project, the time has been indicated. Kindly follow the SCC 8.2





27	Vol-1, Section 8 - Special Conditions of Contract	SCC 11.2 / Section 9- Contract Forms Appendix 2: Clause No.1.3.2.	<p>Contract Price:</p> <p>- The Contract price shall be adjusted in accordance with the provisions of Appendix 2 (Price Adjustment) to the Contract Agreement.</p> <p>Appendix 2: Price Adjustment -</p> <p>1.3.1 For Power transformer:</p> <p>Appendix 2: Price Adjustment Bidders may please note that price adjustment will be applicable only on:</p> <p><input type="checkbox"/> the copper, ferrous material (tank and accessories) of Power Transformer. Prices of all other items of supply and construction activities under the Contract, for all purpose, will remain 'FIRM' in all respects.</p> <p>Additional Condition Applicable to the Price Adjustment of supplied Power Transformer:</p> <ul style="list-style-type: none"> <li>• Price adjustment will be applied only if the resulting increment or decrement is more than 10% of the base material Price of the Copper and Steel for Power Transformer. And the price will be adjusted by deducting 10% of increased or decreased amount from the base material price.</li> </ul>	<p>We would like to inform that proposed formula in tender document is not effective to mitigate price variation risk. Hence in view common benefit we request you to consider price adjustment as per IEEMA Indices, in line with the IEEMA/PVC/PWR_TRF_Up to 400 KV/2021 effective from 1st September 2021. The applicable formula is attached herewith for the reference.</p> $P = \frac{P_0}{100} \left[ 6 + 32 \left( \frac{C}{C_0} \right) + 27 \left( \frac{ES}{ES_0} \right) + 12 \left( \frac{IS}{IS_0} \right) + 4 \left( \frac{IM}{IM_0} \right) + 9 \left( \frac{T}{T_0} \right) + 10 \left( \frac{W}{W_0} \right) \right]$ <p>- We also understand that Price variation clause shall be applicable on all type of transformers ( i.e Power &amp; Distribution)</p>	Please refer the SCC 11.2 and Appendix 2(section-9), Volume I of the bidding document
28	Section 1: Instructions to Bidders	Clause - 18 Bid Prices and Discounts	<p>Unless otherwise specified in the BDS and/or Section 6 (Employer's Requirements), bidders shall quote for the entire plant and services on a "single responsibility" basis such that the total Bid price covers all the Contractor's obligations mentioned in or to be reasonably inferred from the Bidding Document in respect of the design, manufacture, including procurement and subcontracting (if any), delivery, construction, installation, and completion of the plant. This includes all requirements under the Contractor's responsibilities for testing, pre-commissioning and commissioning of the plant and, where so required by the Bidding Document, the acquisition of all permits, approvals, and licenses, etc.; the operation, maintenance, and training services and such other items and services as may be specified in the Bidding Document, all in accordance with the requirements of the General Conditions. Items against which no price is entered by the Bidder will not be paid for by the Employer when executed and shall be deemed to be covered by the prices for other items.</p>	<p>We propose to submit our bid excluding LDC Integration scope and request NEA to consider Bid excluding specific scope asked in tender document which can be fulfilled only by one OEM.</p> <p>We understand that existing LDC is of other OEM. Including integration in current package will give undue advantage to the OEM who has installed base at LDC as every other OEM will be dependent on it for the cost of SAS integration in LDC. As LDC OEM also will be one of the prospective Bidder for subject tender.</p> <p>We request client to exclude the LDC integration from the scope to ensure competitive bidding. Client can ask the respective OEM for LDC integration of 2 stations which is a general practice across other utilities also.</p>	LDC integration scope falls under entire plant and services. Kindly follow the existing bid price schedule (volume III)
29	Vol-1, Section-7, General Condition of contract	27.2	<p>he Defect Liability Period shall be 540 days from the date of Completion of the Facilities (or any part thereof) or 1 year from the date of Operational Acceptance of the Facilities (or any part thereof), whichever first occurs, unless specified otherwise in the SCC pursuant to GCC Subclause 27.10</p>	<p>There are following activities not covered in Bidder Scope:</p> <ol style="list-style-type: none"> <li>1. Suitable Space</li> <li>2. Work Permit</li> <li>3. Shut Down for retrofit work</li> <li>4. Communication Connectivity</li> </ol> <p>In view of above we request NEA to introduct DLP from Date of Receipt of Maaterial at site in case delay in acvtities which is not covered in Bidder Scope</p>	Kindly follow the GCC Clause of the bidding document





30	Vol-II	Section- 1: Project Specific Requirement	EE - The Quantities listed in the Schedule of Prices represent the estimated quantities for Tender purpose only. The Contractor shall carryout detail design and shall submit final bill of quantity for approval within 120 days from the signing of contract or 60 days after effective date of contract. The actually required quantity may vary from the quantity as listed in price schedule. The Contractor shall agree to make no claim for anticipated profits or for alleged losses because of any difference between the quantities actually furnished and installed and the estimated quantities as indicated in the price schedule at the original quoted unit prices within the total price variations limit of +/- 15% as per the tender conditions.	The Contractor shall agree to make no claim for anticipated profits or for alleged losses because of any difference between the quantities actually furnished and installed and the estimated quantities as indicated in the price schedule at the original quoted unit prices within the total price variations limit of +/- 10 % as per the tender conditions.	Please follow the PSR (Volume II) of the bidding document
31	Vol-1, Section-7, General Condition of contract	Subclause 6.1(e) and 9.6	6.1 9 e)will have the right to require that a provision be included in bidding documents and in contracts financed, administered, or supported by ADB, requiring Bidders, suppliers and contractors, consultants, manufacturers, service providers and other third parties engaged or involved in ADB-related activities, and their respective officers, directors, employees and personnel, to permit ADB or its representative to inspect the site and their assets, accounts and records and other documents relating to the bid submission and contract performance and to have them audited by auditors appointed by ADB.	GE is reluctant to provide access to its data to customers or other third parties. However, GE will do the record keeping for this project and will provide site performance data to NEA only.	No Reply
32	Vol-1, Section-7, General Condition of contract	Clause 37	Force Majeure	We request you to include " fire , risk of kidnapping, armed conflict.	In case of natural calamities or warfare, the contractor may take necessary action in accordance with applicable local laws and relevant international safety and labor standards. Such actions shall be coordinated with the employer and shall not prejudice the contractor's obligations under the contract, unless otherwise mutually agreed.
33	Vol-1, Section-7, General Condition of contract	Clause 40	Extension of Time for Completion	We request you to please include removal of personnel for any Force majeure, excusable delay or security /Safety events	Please follow the GCC Clause 40 of the bidding document



34	Missing Clause	Security T&C	GE Vernova's right to suspend work and evacuation for escalated security conditions	Safety of Personnel. - If, in Contractor's sole opinion, acting reasonably, the security or safety of Contractors personnel, or the safe performance of work is, or is likely to be, imperiled by security concerns (including but not limited to the inability to obtain adequate security protection), local conditions, war (declared or undeclared) armed conflict or threatened conflict, civil unrest or riot, terrorist acts or threats, kidnapping risk, threat to safety and security of the Employer's facility or site or personnel or Contractor's personnel, or interests or Contractor's subcontractors personnel, or unsafe and unsecure working conditions, Contractor may, in addition to other rights and remedies available to it, promptly evacuate some or all of its personnel and subcontractors from the work location, suspend performance of all or any part of the Contract, and/or perform and/or supervise work from an alternate location determined by Contractor. Employer shall assist in any evacuation of Contractor personnel and subcontractors from Employer's facility or site. Any associated delay shall be considered an Excusable Event/Force Majeure."	Please follow EMP, Volume II of the bidding document
35	Missing Clause	Security T&C	GE Vernova's Step-in rights and bill back for in-adequate security mitigation measures	In the event at any time that Contractor determines that Employer's security program is not sufficient to provide for the protection of Contractor's personnel working on or about the Site: (i) Contractor may make recommendations to the Employer regarding changes to the security program and Employer shall promptly implement all reasonable security recommendations made by Contractor, and/or (ii) Contractor shall have the right, but not the obligation, to provide security measures to protect its personnel, the associated costs plus 15% shall be considered as a variation under the Contract, and/or (iii) Contractor may exercise any of its applicable rights under the Contract."	Please follow the bidding document
36	Missing Clause	Security T&C	GE Vernova's right to audit Security mitigation measures Implementation	Prior to commencement of any work at the Site by Contractor, and thereafter from time to time upon request of Contractor, Employer shall furnish Contractor with a complete description of Employer's security program. Contractor has the right, but not the obligation, to audit Employer's security program and performance from time to time. Contractor's receipt, review or audit of Employer's security program or performance shall not relieve Employer of the obligation or limit Employer's obligation to provide adequate security.	Please follow the bidding document
37	Missing Clause	Security T&C	GE Vernova standards are the reference standard for security i	Employer's Security Program. "At all times while Contractor personnel are on or about the Site, or expected to be on or about the Site, Employer shall provide security equipment, facilities, measures, and procedures that are adequate to protect such Contractor personnel and meet Contractor security standard as per Minimum Physical Security Requirements (MPS) against potential threats to their safety or security. Such Employer security measures shall include, but are not limited to, control of access to and throughout the Site, a sufficient number of qualified guards, surveillance and monitoring procedures and equipment, screening and oversight of local workers and others being allowed onto Site by Employer, alarms, evacuation routes and procedures, pertinence site perimeter like fencing and security barriers, and training for Contractor personnel regarding Employer's Site security procedures.	Please follow the bidding document



38	Vol-1, Section-6, Employer's Requirements	9. Environmental, Health and Safety Requirements	The Employer's team preparing the EHS requirements should include a suitably qualified Environmental, Health and Safety specialist/s as determined by the EMP. The Employer should attach or refer to the Employer's environmental, health and safety policies that will apply to the project if available	We request you to please share the environmental, Health & safety Policies , if available.	Please follow the EMP Volume II of the bidding document
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The image shows a handwritten signature in blue ink to the left of a circular official stamp. The stamp is from the Nepal Electricity Authority (NEA), established in 1915. It features a stylized 'N' and 'E' logo in the center, with the text 'NEPAL ELECTRICITY AUTHORITY' and 'ESTD. 1915' around the perimeter.

S. NO	Documents	Clause	Description	Bidders Queries	NEA Reply
1	Evaluation and Qualification Criteria	Clause No. 2.6 & Page No. 3 of 15	Must have successfully completed the design, manufacture and supply of 220 kV or higher Voltage Class, power transformer of three phase 200 MVA or above capacity at least twice the bid quantity as a main supplier over last five (5) years period ending on the last date of bid submission and same shall have been in operation satisfactorily to the end users for at least Two (2) years as on the date of bid opening.	1. The bidder must have successfully completed the design,manufacturing and supply of 220 kV or higher Voltage Class, three-phase power transformers of 200 MVA or above capacity at least twice the bid quantity as a main supplier over last Ten (10) years period ending on the last date of bid submission. 2. The Performance certificates for the same should indicate satisfactory operation for at least two (2) years and must have been issued within the last 5 years as on bid opening date.	Please follow the EQC Criteria as mentioned in the bidding document
2	Evaluation and Qualification Criteria	Clause No. 2.6 & Page No. 3 of 15	Must have successfully carried out the complete type test including Dynamic Short Circuit (DSC) test as per IEC over last 10 years period as on the originally scheduled date of bid opening in Reputed Independent Testing Laboratory on : a) 220 kV voltage class, three phase 315 MVA or higher rating transformer b) 132 kV voltage class, three phase 63 MVA or higher rating transformer c) 33 kV voltage class, three phase 24 MVA or higher rating transformer	We request is to consider the calculations to prove Dynamic Short Circuit (DSC) withstand capability of Transformers during detailed engineering.  However, for rating wise evaluation, please refer below response: a) For 220kV voltage class requirement: We can also share the DSC report of a 315MVA, 400/220/33kV three phase ICT manufactured in past from plant at Kanjur, Mumbai which was successfully tested.  b) For 132kV voltage class requirement: We shall share the DSC report of 50MVA, 132kV Transformer manufactured in past from plant at Malanpur, Gwalior which was successfully tested.	The document will be evaluated once submitted in the bid
3	Preferred Make List	Annexure - II	The on-load tap-changer (OLTC) to be equipped on the power transformers and associated control equipment shall be from MR Germany or ABB Sweden or equivalent.	Please confirm the type of OLTC required (Whether Vacuum type or Oil type). If oil type, then please confirm whether Indian Make like Easun MR or equivalent is acceptable or not.	Not Acceptable
4	Price Adjustment	Appendix 2, Clause 1.1	Bidders may please note that price adjustment will be applicable only on: The copper, ferrous material (tank and accessories) of Power Transformer. Prices of all other items of supply and construction activities under the Contract, for all purpose, will remain 'FIRM' in all respects.	We would like to inform that proposed formula in tender document is not effective to mitigate price variation risk. Hence in view common benefit we request you to consider price adjustment as per IEEMA Indices, in line with the IEEMA/PVC/PWR_TRF_Up to 400 KV/2021 effective from 1st September 2021. The applicable formula is attached herewith for the reference. $P = \frac{P_0}{100} \left[ 6 + 32 \left( \frac{C}{C_0} \right) + 27 \left( \frac{ES}{ES_0} \right) + 12 \left( \frac{IS}{IS_0} \right) + 4 \left( \frac{IM}{IM_0} \right) + 9 \left( \frac{T}{T_0} \right) + 10 \left( \frac{W}{W_0} \right) \right]$ <p>we also understand that price variation clause shall be applicable on all type of transformers ( i.e Power &amp; Distribution)</p>	Please follow the Appendix 2, Section 9 (Volume I) of the bidding document





5	Price Adjustment	Appendix 2, Clause 1.1	<p>Appendix 2: Price Adjustment Bidders may please note that price adjustment will be applicable only on:</p> <p><input type="checkbox"/> the copper, ferrous material (tank and accessories) of Power Transformer.</p> <p>Prices of all other items of supply and construction activities under the Contract, for all purpose, will remain 'FIRM' in all respects. Additional Condition Applicable to the Price Adjustment of supplied Power Transformer:</p> <p>• Price adjustment will be applied only if the resulting increment or decrement is more than 10% of the base material Price of the Copper and Steel for Power Transformer. And the price will be adjusted by deducting 10% of increased or decreased amount from the base material price.</p>	<p>We request you, Please accept Prices variable basis without any limitation and ceiling.</p> <p>Hence we request you to please delete additional condition to the price adjustment of supplied Transformer.</p>	Please follow the Appendix 2, Section 9 (Volume II) of the bidding document
6	Section- 1: Project Specific Requirement	New Butwal Substation Clause No.4.1(D)	Control and Relay Panel with Substation Automation System (SAS).The existing 100 MVA, 220/132/11 kV C&R Panel should be arranged to be compatible with the upgraded 315 MVA transformer.	Please share existing 100 MVA, 220/132/11 kV Control and Relay Panel drawings and make of relay panel.	Bidders are requested to assess the site for the site related information
7	Section- 1: Project Specific Requirement	ause No.4.1(F) Substation A	The existing busbar protection shall be extended to 220kV and 132kV bays supplied under this bid.	Kindly provide existing Bus bar protection drawing and SAS Architecture drawing .	Bidders are requested to assess the site for the site related information
8	Section- 1: Project Specific Requirement	4.1(F) Substation Automatic	The existing busbar protection shall be extended to 220kV and 132kV bays supplied under this bid.	We understand that existing Bus Bar protection relays are having sufficient capacity/ modules to accomdate proposed new bays under this cope of work. In case , any modification required to accommodate new bays shall be in NEA scope. Please confirm	Bidders are requested to assess the site for the site related information
9	Section- 1: Project Specific Requirement	New Butwal Substation Clause No.4.1(E)	The existing 100 MVA, 220/132/11 kV 3-phase Interconnecting transformer should be dismantled by unmounting the conservator tank, draining the transformer oils in non-returnable drums and should be stored in a safe place within the substation premise with top up of transformer oil inside transformer tank.	We request you that empty drum shall be arranged by NEA for 100MVA transformer oil drain. If arranged by contractor please share existing 100 MVA Transformer oil capacity.	Contractor has to arrange drums to evacuate the transformer oil on non-returnable basis
10	Section- 1: Project Specific Requirement	New Butwal Substation Clause No.4.1(E)	Decommissioning of 100MVA Transformer	Please understand that requirement of supervision of OEM not required during decommissioning of 100MVA, Transformer. However , If required same shall be in NEA scope. Please confirm	Not Required
11	BOQ-VENDOR ASSESSED QUANTITIES	Fire Protection System	HIGH VELOCITY WATER (H.V.W) SPRAY SYSTEM HVW spray system for 220/132/11 kV & 132/33 kV ICT and Power Transformer should be extended from existing Fire Protection system. Hydrant system extension, modification and upgradation complete work with all required pumping arrangement for maintaining required pressure, U/G & O/G piping and accessories for ICT, Power Transformers and equipment as per technical specification	Please specify, Pipe distance of from proposed location of transformer to the existing tapping point of HVWS Spray System for both locations. We request you to share the drawings/ Layout & Specification to verify. We do not foreseen any modification in existing Pumping arrangement related to the pressure. Our scope is limited to the extension of the piping line only. Please confirm.	Bidders are requested to assess the site for the site related information
12	VOL-II Technical Specification	Section-12: Fire Protection System	Fire Detection and alarm System	Please specify existing make of fire alarm panel.	Bidders are requested to assess the site for the site related information
13	Section 3 - Evaluation and Qualification Criteria	Power Transformer	i) Must have successfully completed the design, manufacture and supply of	Dynamic Short Circuit requirement; - a)Whether it needs to be performed	Dynamic Short Circuit Requirement: a)



		(220 kV or higher voltage class, 132 kV or higher voltage Power Transformer and 33 kV or higher class i) Must have manufacturing experience of at least 7 (Seven) years. Form EXP-3	220 kV or higher Voltage Class, power transformer of three phase 200 MVA or above capacity at least twice the bid quantity as a main supplier over last five (5) years period ending on the last date of bid submission and same shall have been in operation satisfactorily to the end users for at least Two (2) years as on the date of bid opening. iv) Must submit the type test (excluding Dynamic Short Circuit Test) report carried out by reputed independent testing laboratory for the identical item in the same rating and construction. v) Must have successfully carried out the complete type test including Dynamic Short Circuit (DSC) test as per IEC over last 10 years period as on the originally scheduled date of bid opening in Reputed Independent Testing Laboratory on : - 220 kV voltage class, three phase 315 MVA or higher rating transformer - 132 kV voltage class, three phase 63 MVA or higher rating transformer - 33 kV voltage class, three phase 24 MVA or higher rating transformer	b) Whether similarity needs to be performed Whether Performance certificate of Transformers supply period more than 5 years but with performance of 1 plus years is acceptable	DSC test report of higher rating but identical voltage class needs to be submitted b) Performance certificate of transformer supply period more than 5 years is not acceptable
14	Section 3 - Evaluation and Qualification Criteria	Sub-contractors Clause 2.6	Test Reports and Type Tests	Type test: We request you please accept all valid Type test reports performed with in last 10 years as on date of NIT. We request you, Kindly accept Type tests as per IEC carried out at CPRI/ERDA laboratories in INIDA. Pls confirm your acceptance. However, any repetition of Type test shall not be involve. Please confirm our request	The document will be evaluated once submitted in the bid
15	General	General		Kindly provide distance between existing Control room building/New control room building/ CRP room to proposed bay location for both New Butwal & Kushma Substation.	Bidders are requested to assess the site for the site related information
16	SECTION-22- DRAWINGS	DRAWINGS	Earthing Layout/Drawings	Kindly share Earthing layout of Both sites.	Bidders are requested to assess the site for the site related information
17	SECTION-22- DRAWINGS	DRAWINGS	Cable route layout	Please share cable route layout from Proposed bay to control room for both sites.	Bidders are requested to assess the site for the site related information
18	SECTION-22- DRAWINGS	Scope of work for civil:	Layout Drawings	Please Provide existing cable trench layout for both substations.	Bidders are requested to assess the site for the site related information
19	Scope of Work- General	General	Scope of work for civil:	Please confirm the Healthiness of existing cable trench, whether repairing of trench is required (like repairing of angle trays) if yes please provide :- Size and depth of trench, No. of angle trays or existing Trench section	Bidders are requested to assess the site for the site related information
20	VOL-II Technical Specification	Section- 1: Project Specific Requirement	Clause - W. Civil works ( e ) - Construction of One (1) Switchgear control room building for 33 & 11 kV indoor switchgear panels as per specification and drawings. Building design shall be in the scope of Contractor. Employer will provide such drawings for reference purpose only. Getting statutory approval of the building design and maps at local levels government office of Nepal shall be responsibility of the contractor. Project will provide necessary assistance to the contractor	We shall submit all the required documents & drawings , however statutory approval of the building design and maps at local levels government office of Nepal shall be in NEA scope being the owner of the facilities.	NEA will facilitate for statutory approvals. Applying for statutory approvals along with related fees should be performed by contractor as per SCC 14
21	VOL-II Technical Specification	Section- 1: Project Specific Requirement	Civil work ( m ) - Approach road (Outside NEA boundary) with proper Subgrade having required longitudinal and transverse slope for strengthening of Road as per respective items of BPS	All Statutory approvals shall be in NEA scope.	NEA will facilitate for statutory approvals. Applying for statutory approvals along with related fees should be performed by contractor as per SCC 14
22	VOL-II Technical Specification	Section- 1: Project Specific Requirement	Civil work ( m ) - Strengthening of approach road: Strengthening of approach road/bridges, if required during transportation of equipment, shall be included in respective item of price schedule. Employer will not be liable for any additional payment for such work.	We understand that our scope is limited & within the NEA substation , hence approach road / Bridges shall not be in scope. Hence request to NEA kindly delete this scope.	Please follow corresponding point of Project Specific Requirement





23	VOL-II Technical Specification	Section- 1: Project Specific Requirement	Civil work ( t) - Surveying, contouring, leveling and filling. The leveling and filling (to an approximate depth as per requirement) in the area under present scope of work inside substation is to be carried out to achieve finished ground level. The finished ground level shall be provided during detail engineering.	We understand that required filling quantities shall already considered in the Civil BOQ. Please confirm	Please follow the Miscellaneous works of New Butwal Substation
24	VOL-II Technical Specification	Section- 1: Project Specific Requirement	Civil work ( Z) - The conditions of roads, capacity of bridges, culverts etc. in the route shall also be assessed by the bidders. The scope of any necessary modification/extension/improvement to existing road, bridges, culverts etc. shall be included in the scope of the bidder. The contractor shall carry out the route survey along with the transporter and submit the detail proposal and methodology for transportation of transformers for approval of Employer within three months from the date of award.	We shall carry out route survey. However scope of necessary modification/ extension/ improvement to the existing roads , bridges, culverts etc are to be excluded from the scope of contractor.	Please follow corresponding point of Project Specific Requirement
25	VOL-II Technical Specification	Section- 1: Project Specific Requirement	Civil work - (AA) - The Contractor shall also be responsible for the overall co ordination with internal/external agencies; project management, training of Employer's manpower, loading, unloading, handling, moving to final destination for successful erection, testing and commissioning of the substation/switchyard	Our scope of work related to the cordination with NEA's departments, we do not foreseen any cordintaions with other external agencies. For any cordinations with external agencies NEA shall cordinate , we shall support all necessary technical support.	Please follow Project Specific Requirement, NEA will coordinate with the contractor wherever required.
26	VOL-II Technical Specification	Section- 1: Project Specific Requirement	Civil work (BB)- Design of substation and its associated electrical & mechanical auxiliaries systems includes preparation of single line diagrams and electrical layouts including layout arrangement for foundation layout, cable trench layout, earth mat layout, erection key diagrams, electrical and physical clearance diagrams, design calculations for earthing and lightening protection system (including Direct Stroke Lighting Protection), control and protection schematics, wiring and termination schedules, civil designs (as applicable) and drawings, air conditioning system, indoor/outdoor lighting/illumination and other relevant drawings & documents required for engineering of all facilities within the fencing to be provided under this <del>contract are covered under the scope of the Contractor</del>	Being extension/ Expansion work in Existing Substation, NEA shall provide the soft copy / CAD darwings for further modification for the present scope of work.	NEA will provide the soft copy / CAD drawings to the successful bidder. There is scope of control room building of 33kV and 11 kV indoor panels under this contract.
27	VOL-II Technical Specification	Section- 1: Project Specific Requirement	Above Queries for civil work	Above Queries for civil work are common for New butwal & Khusma Substation	NEA will provide the soft copy / CAD drawings to the successful bidder. There is scope of control room building of 33kV and 11 kV indoor panels under this
28	VOL-II Technical Specification	Section- 1: Project Specific Requirement	Clause - 10 - SPARES: Mandatory	We will supply spares parts as per list and quantity given in the relevant schedule of BOQ and shall be considered for evaluation of bid only. No other spares shall be in our scope. Kindly confirm	Confirmed. Some tools and tackles might be supplied as spares which might be found necessary for operation
29	Section- 1: Project Specific Requirement	Clause No.3.2.1.3	Transformer: a) 2 Nos. of 315 MVA, 220/132/11 kV, 3-Phase Outdoor Power Transformers with RIP Bushing, online DGA (minimum 8-gas), online drying system as per technical specifications including all materials/ fittings/ accessories/ surge protection device/ bushing CT/ Digital RTCC Panel/MB/ Cables including special cable (if any), etc. b) 2 Nos. of 40/51.5/63 MVA, 132/33 kV, 3-Phase Outdoor Power Transformers with RIP Bushing, online DGA (minimum 8-gas), as per technical specifications including all materials/ fittings/ accessories/ surge protection device/ bushing CT/ Digital RTCC Panel/ MB/Cables including special cable (if any), etc. c) 2 Nos. of 20/24 MVA, 33/11 kV, 3-Phase Outdoor Power Transformer including online DGA system (minimum 8-gas) as per technical specifications, all materials / fittings /accessories/ Digital RTCC panel/ MB/Cables including special cable (if any) etc.	1. We understand that online DGA (minimum 8-gas), online drying system both are required for 315 MVA Power Transformer if required We request you, Please share technical specification of online dissolved Gas (Multi- gas) and online drying system. 2. We understand that for 40/51.5/63 MVA, 132/33 kV, 3-Phase Outdoor Power Transformers, only online DGA (minimum 8-gas) required and online drying system is not required. 3. We understand that for 20/24 MVA, 33/11 kV, 3-Phase Outdoor Power Transformer online DGA system (minimum 8-gas) required and online drying system is not required.	The DGA (minimum 8-gas) should be as per IEC 60567, IEC 60599 and IEC 62391. Moreover, 315 MVA PT requires both DGA and Online Drying system, 63 MVA PT requires DGA only and 20/24 MVA also requires DGA only.
30	Section- 1: Project Specific Requirement	Clause No.4.1(N) New Butwal Substation:	Ventilation system must be installed for control room building	Please confirm whether Ventilation system for Control Room is required or not. If required pls share specification system.	Ventilation system is required
31	Section- 1: Project Specific Requirement	Clause No.4.1(O) New Butwal Substation:	Use of AC and DC source from existing AC/DC board. If spare not available addition of AC and DC board required.	We understand that spare point of AC and DC source are available in existing AC/DC board.Please confirm	Bidders are requested to assess the site for the site related information



32	SECTION 14-DIESEL GENERATOR SET	Panel Type	Type of AMF panel	Please specify the required type of AMF panel.	Please refer Technical Requirements of Diesel Generator Section 14, Vol II of bidding document
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33	SECTION 14-DIESEL GENERATOR SET	General	IP Protection	We request you, please Indicate IP Protection if a specific IP protection rating is necessary.	Please refer Technical Requirements of Diesel Generator Section 14, Vol II of bidding document
34	SECTION 14-DIESEL GENERATOR SET	General	Operating Voltage	Please provide the operating voltage requirements of DG Set.	Please refer Technical Requirements of Diesel Generator Section 14, Vol II of bidding document
35	SECTION 14-DIESEL GENERATOR SET	General	Installation Location of DG SET	Please Confirm whether the panel will be installed indoors or outdoors.	AMF Panel shall be housed indoor
36	Section- 1: Project Specific Requirement	Clause No.4.1(m)	Approach road (Outside NEA boundary) with proper Subgrade having required longitudinal and transverse slope for strengthening of Road as per respective items of BPS.	We understand that our scope is limited to within subststion within boundary wall only.Please confirm	While the primary scope of work is indeed limited to within the substation boundary wall, please note that construction of an access road from the existing community road to the proposed expansion area is also included in the scope. The land required for this access road is owned by NEA.
37	VOL-II Technical Specification	Technical Specification	Bay marshalling box	We request you, Please share specification of Bay marshalling box.	Shall be shared during detailed engineering phase
38	Section- 1: Project Specific Requirement	Clause No.13(q) SPECIFIC REQUIREMENT	For supply of SF6 Gas, the contractor shall obtain necessary license from the concerned statutory authorities in Nepal. The contractor shall comply with all the legal & statutory requirements as per the local laws for importing, handling & storage of SF6 gas in Nepal. For this purpose NEA shall extend necessary assistance (documentation etc.) for obtaining such clearance & licenses, however the complete responsibility for submitting the application and co-ordination with authorities shall be in the scope of contractor.	We request you that NEA shall obtain necessary license from the concerned statutory authorities in Nepal. We shall provide support necessary assistance (documentation etc.) to NEA for obtaining such clearance & licenses.	Please follow Project Specific Requirement, NEA will coordinate with the contractor wherever required.
39	Section- 1: Project Specific Requirement	Clause No.13.0 SPECIFIC REQUIREMENT:	Illumination for Township covers all necessary conduiting, wiring for lighting & Power sockets for Television/ Telephone Box, Distribution board, Switchboard with and without 6A Socket, Television/ Telephone point, Bell, Air Conditioner/ Room Heater point of 15A and all other necessary items for Quarters, transit camps, Security room etc.	We understand that scope related to the township is mailly for the grenfield works, hence in this tender we feel that work related to the township is by mistake. Being the extension & Expansion work in the existing switchyard our scope is limited to within subststion switchyard only. No Township work involved. Please confirm	Confirmed
40	Section- 1: Project Specific Requirement	SERVICE LEVEL AGREEMENT (SLA)	Support services (including Maintenance) for 3 years: After the successful commissioning of the entire project, the contractor shall provide the support services which shall include maintenance of the system installed under the project for a period of 3 (three) years from the date of issuance of operational acceptance of the project.	We understand that this clause is applicable to new subststion/Greenfield project. Present scope is expansion of existing SS, hence Operation & Maintenance work & Service Level Agreement (SLA) work is not applicable. Please confirm	Confirmed
41	VOL-II Technical Specification	SECTION-22-DRAWINGS	Kushma Substation-Drawings	We request you, please foundation layout of Transformer & Circuit Breaker drawing.	Shall be shared during detailed engineering phase
42	VOL-II Technical Specification	Geo technical report	Kushma Substation	We request you, please share Geo technical report of Kushma Substation.	Please visit <a href="https://nea.org.np/tender_prequalification">https://nea.org.np/tender_prequalification</a>
43	VOL-II Technical Specification	SECTION-22-DRAWINGS	Kushma Substation	We request you, please share Road & drain drawing of Kushma Substation.	Bidders are requested to assess the site for the site related information
44	SITE VISIT		Kushma Substation	Please confirm the existing VMS SYSTEM software and availability of VMS License for addition of CTV Carara in existing VMS SYSTEM.	VMS is not in scope of the contractor
46	SITE VISIT		Kushma Substation	We request you, Please mark location of MV Switchgear and Control room in layout drawings	Shall be marked during detailed engineering by contractor
48	SITE VISIT		Kushma Substation	Please share existing FIRE FIGHTING SYSTEM layout, Pipe diameter and MAIN and JOCKY PUMP Capacity required.	Shall be shared during detailed engineering phase
50	SITE VISIT		New Butwal Substation	Please confirm the under PCC of underground EARTH MATH availability at proposed area of 220 KV , 132 KV ,33 KV,11 KV area of switchyard.	No availability of earthmat in proposed area. Design and installation is in
51	SITE VISIT		New Butwal Substation	We understand that 415 V AC & Control DC feeders available in existing MCC/ACDB/DCDB for new proposed bay & MV Switchgear.	Bidders are requested to assess the site for the site related information
52	SITE VISIT		New Butwal Substation	SINCE SPACE IS CONSTRAINT FOR PRAPOSED 315 MVA ICT KINDLY CONFIRM THE FEASIBILITY OF SHIFTING THE APPROCH ROAD AND CABLE TRENCHES IN BETWEEN 220 KV AND 132 KV AREA , ALSO GA AND LAYOUT OF EXISTING 220/132 KV	SHIFTING THE APPROCH ROAD is not in present scope, meanwhile neccessary cable trench need to construct/expanded





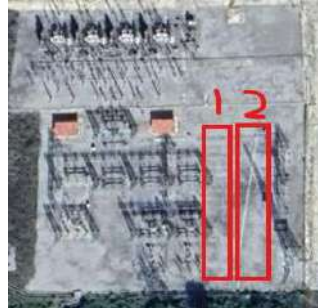
53	Section- 1: Project Specific Requirement	4.2 Kushma Substation:	(S) Civil works - The scope of work (r) Pumps: Dewatering Pumps, booster pump for Fire Fighting water Tank, underground water tank of township (staff quarters).	We understand that township work is not involved in this tender. Please confirm	Confirmed
54	Section-19: Civil Works	Clause No.24.22	Section-19: Civil Works External Sewage System of Control Room Building and other Buildings of Township.	We understand that township work is not involved in this tender. Please confirm	Confirmed
55	Section-19: Civil Works	Clause No.20.0	SEWERAGE SYSTEM for Township.	We understand that township work is not involved in this tender. Please confirm	Confirmed
56	Section-19: Civil Works	Clause No.11.1	GENERAL	We understand that township work is not involved in this tender. Please confirm	Confirmed



**Design, Supply, Installation and Commissioning of transformer & bays (220 kV, 132kV, 33kV & 11kV) for the Expansion of New Butwal & Kushma Substation**  
**Invitation for Bids No.: PMD/ETDSP/NBKSEP-081/82-01**  
**OCB No.: PMD/ETDSP/NBKSEP-081/82-01**

S.N.	Volume/Section	Clause No.	Bidder's Query	NEA Reply
1	Section-23: Technical Schedule	1.2.1 Technical Particulars for 220/132/11 kV Power Transformer	8. Temperature rise b) Hottest spot temperature in winding limited to 55 deg.C According to the requirements of IEC 60076-2 Power transformers-Part 2:Temperature rise for liquid-immersed transformers, the Hottest spot temperature in winding limit after correction at 50 deg.C should be 68 deg.C. Please provide clarification.	Noted and will be corrected accordingly
2	Section-23: Technical Schedule	1.2.2 Technical Particular for 132/33kV Power Transformer	8. Temperature rise b) Hottest spot temperature in winding limited to 55 deg.C According to the requirements of IEC 60076-2 Power transformers-Part 2:Temperature rise for liquid-immersed transformers, the Hottest spot temperature in winding limit after correction at 50 deg.C should be 68 deg.C. Please provide clarification.	Noted and will be corrected accordingly
3	Section-23: Technical Schedule	1.2.3 Technical Particular for 33/11kV Distribution Transformer	8. Temperature rise b) Hottest spot temperature in winding limited to 55 deg.C According to the requirements of IEC 60076-2 Power transformers-Part 2:Temperature rise for liquid-immersed transformers, the Hottest spot temperature in winding limit after correction at 50 deg.C should be 68 deg.C. Please provide clarification.	Noted and will be corrected accordingly
4	VOL- II Section I ANNEXURE VI Introduction	Likewise, the work at Kushma SS includes one 132 kV transformer bay, 1 three phase 132/33 kV 24/30 MVA power transformer, control room building, cable trenches, 5 indoor 33 kV VCB panels (4 distribution feeders and 1 transformer), substation automation and communication system, expansion of bus bar protection system, lattice or pipe structures, fire protection system, lighting protection system, relay and protection system, boundary wall, drainage system, pumps (dewatering pumps and booster pumps for firefighting water tanks) and underground water tanks for staff quarters.	We note that in this clause, we need to provide pumps for Kushma SS, but the quantity of pumps is not reflected in BOQ. Are these pumps used to update the existing fire pumps in the substation? If so, please provide the parameters such as the flow rate and head of the pump, and add this part of the quantity in the BOQ. By the way, whether New Butwal SS also need to add or update the pumps.	Bidder may assess site and check the sufficiency of existing system
5	New Butwal & Kushma Substation		Please provide Geotechnical Investigation Report for two substations	It is uploaded in <a href="https://nea.org.np/tender_prequalification">https://nea.org.np/tender_prequalification</a> .
6	New Butwal & Kushma Substation		Please clarify the layout plan for the 132kV transformers, ICT bay, and main control building of the two substations.	Please refer Section 22: Drawings
7	New Butwal & Kushma Substation		Please clarify whether the 33kV and 11kV of Station B adopt busbar coupler. If so, please update the BOQ.	Please refer Schedule 1, 1.7 & 1.8 of the Volume III, Price Schedule of Bid Document
8	New Butwal & Kushma Substation		Please clarify whether the 33kV and 11kV of Station B adopt busbar PT. If so, please update the BOQ.	Please refer Schedule 1, 1.7 & 1.8 of the Volume III, Price Schedule of Bid Document
15	New Butwal & Kushma Substation		There is no description about visual monitoring system, please clarify whether this project need to extend this system?	There is no scope of extension of VMS under this project
16	New Butwal & Kushma Substation	O. Use of AC and DC source from existing AC/DC board. If spare not available addition of AC and DC board required.	Considering big workscope of the expansion project, the capacity and load condition of existing AC, DC, Battery and UPS source is required, to confirm whether need to extend or supply a new one.	Please follow PSR
17	New Butwal & Kushma Substation		The contract says to build a car parking shed, but BOQ doesn't have one. For similar cases where the contract is inconsistent with BOQ, Is it based on BOQ?	Only those civil works are under the contract scope which are mentioned in the BoO
9	New Butwal Substation		Please clarify whether cable connection can be used between the 132kV ICT bay and the 132kV transformer.	Cable connection not required
10	New Butwal Substation		Please specify which existing interval of the 132kV ICT bay in this current is from east to west.	Please follow bid document



18	New Butwal Substation	1742903281_VOL-II_Final_compressed , 13.0 buildings	The tender documents mention a guard room, a fire pump room, and the bid price schedule only mentions a control building. Please check whether there is a guard room and a fire pump room? Several new buildings are needed in the substation?	Only those civil works are under the contract scope which are mentioned in the BoO
19	New Butwal Substation	1742903281_VOL-II_Final_compressed , 13.2 CONTROL ROOM CUM ADMINISTRATIVE	It is mentioned in the bidding document that the size of the control building is 20x25m, so the area is 500 square meters. The area written in the bidding price schedule is 450 square meters. Please verify which one shall prevail and what the area is?	Please follow bid price schedule
11	Kushma Substation		Please provide the available land range for the Kushma substation for this current of the project.	Please follow bid document
12	Kushma Substation		Please clarify whether Bay1 or Bay2 will be used specifically in this issue. 	Shall be decided during detail engineering
13	New Butwal Substation	Separate protection relay (IED) shall be provided for 132 kV Transformer directional over current and earth fault relay (for both HV & LV side). Inbuilt function in any other protection IED/BCU is not acceptable.	Please clarify whether the 220kV and 33kV Power Transformers will apply the same configuration as 132kV Transformer?	Separate protection relay shall be provided for 220 kV and 33 kV Transformers too
14	New Butwal Substation		There is no description about 33/11kV transformer protection. Please provide the protection configuration of 33/11kV Transformer, whether need differential protection?	Differential Protection Required
20	KUSHMA SUBSTATION	1742903281_VOL-II_Final_compressed , 13.0 buildings	The tender documents mention a guard room, a fire pump room, and the bid price schedule only mentions a control building. Please check whether there is a guard room and a fire pump room? Several new buildings are needed in the substation?	Please follow bid price schedule
21	KUSHMA SUBSTATION	1742903281_VOL-II_Final_compressed , 13.2 CONTROL ROOM CUM ADMINISTRATIVE	It is mentioned in the bidding document that the size of the control building is 20x25m, so the area is 500 square meters. The area written in the bidding price schedule is 200 square meters. Please verify which one shall prevail and what the area is? What auxiliary rooms are needed in the control building?	Please follow bid price schedule
22	Section 2 - Bid Data Sheet	“Technical Proposal shall also include a Health and Safety COVID-19 Plan (HS C19 Plan), in accordance with the relevant government regulations and guidelines on COVID-19 prevention and control the Employer, or in the absence thereof, to international good practice guidelines the Employer, such as World Health Organization. 2020. Considerations for public health and social measures in the workplace in the context of COVID-19. Geneva. Available here: <a href="https://www.who.int/publicationsdetail/considerations-for-public-health-and-social-measures-in-the-workplace-in-the-context-of-covid-19">https://www.who.int/publicationsdetail/considerations-for-public-health-and-social-measures-in-the-workplace-in-the-context-of-covid-19</a> Any bid not accompanied by the HS-C19 Plan shall be rejected by the Employer as nonresponsive. If a Bidder submits a HS-C19 Plan that does not provide sufficient information in accordance to the required submission information listed in the bidding document by the Employer, the Employer shall issue a clarification to request for further information from the Bidder. The Bidder must submit the requested information within 5 working days of receiving such a request. Failure to provide a satisfactory response to the request for further information within the prescribed period of receiving such a request shall cause the rejection of the Bid”	The website page mentioned here has been deleted by WHO. Considering WHO has declared end to COVID-19 as a global health emergency. We suggest deleting this requirement and no longer requiring the submission of a COVID-19 Plan, Please Confirm.	Noted and will be deleted accordingly



23	Section 3 - Evaluation and Qualification Criteria	2.6 Sub-contractors Power Transformer Must submit the type test (excluding Dynamic Short Circuit Test) report carried out by reputed independent testing laboratory for the identical item in the same rating and construction.	Please confirm if you accept type test reports of higher capacity and higher voltage levels?	TTR of higher capacity and higher voltage level is not acceptable
24	Section 3 - Evaluation and Qualification Criteria	2.6 Sub-contractors Power Transformer Must have successfully carried out the complete type test including Dynamic Short Circuit (DSC) test as per IEC over last 10 years period as on the originally scheduled date of bid opening in Reputed Independent Testing Laboratory on : - 220 kV voltage class, three phase 315 MVA or higher rating transformer - 132 kV voltage class, three phase 63 MVA or higher rating transformer - 33 kV voltage class, three phase 24 MVA or higher rating transformer	Since the Dynamic Short Circuit (DSC) test is not a type test, we would like to know if we submit a higher rating DSC test report, Do DSC tests with the offered rating still need to be performed during the execution phase?	Higer rating of same voltage class is acceptable. But the calculation is required to valid the test for the offered rating
25		If the bidder submits the type test report of higher rated equipment, the bidder must provide the commitment that the type test will be performed for the offered rating without any extra cost to employer.		Undertaking is accepted from the manufacturer/ bidder
26	/		Please specify which equipment Employers need to witness the FAT test, how many Emploer's Staff will witness the FAT test, and what are the Employer's travel expenses and allowances? Are all costs borne by the contractor?	Please follow section 20: Inspection, Testing and Commissioning of Volume II of the bidding document
27	Price Schedule NBSS Sch-4(e)	(e): Type Test Charges for Type Test to be Conducted Abroad 220/132/33 kV 3-Ph, 200 MVA Auto Transformer	This project requires the supply of a 315MVA transformer. Please clarify that 200MVA is incorrect. Should it be 315MVA?	Noted and will be corrected accordingly



**Design, Supply, Installation and Commissioning of transformer & bays (220 kV, 132kV, 33kV & 11kV) for the Expansion of New Butwal & Kushma Substation**  
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S.N.	Volume/Section	Clause No.	Bidder's Query	NEA Reply
1	Section 8 - Special Conditions of Contract	14. Taxes and Duties:	Regarding Tax Deduction at Source (TDS), can it be understood as follows: The Tax Deduction at Source (TDS) shall be 1.5% for the payment made within Nepal in the account of PE (Permanent Establishment), having PAN registered in Nepal and 5% TDS shall be applicable for the payment made outside the country (Nepal) including such payment made in the account of the Parent Company of PE.	Please follow the GCC Clause no. 14, " Taxes and Duties" of the bid document
2	Vol-II Section- 1: Project Specific Requirement	F. Substation Automation System (SAS) & Communication system: Substation Automation System (SAS) including necessary hardware and software to integrate and interconnect with the of existing <b>GE T&amp;D make</b> SAS system of New Butwal Substation.....  D. Substation Automation System (SAS) & Communication system: Sub-station automation system (SAS) including necessary hardware and software to interface and interconnect with the existing <b>ABB make</b> SAS of Kushma Substation	This project involves the integrate and interconnect of SAS systems with existing stations. In this case, the SAS brand manufacturers (GE and ABB) of the existing stations usually will charge high unforeseeable and controllable access fees. How does the Employer consider this situation and do you have any solutions? Can the Employer undertake the relevant access work?	Integration and interconnection have already been established with the existing system.It is to be expanded. SAS Manufacturers have been specified for the purpose of symmetry and identity with the existing system. Bidder can consider the situation (if any) at the time of bidding stage. NEA does not undertake the relevant access work.
3	Section 7 & Section 8	<b>GCC10.2</b> The Employer shall be responsible for acquiring and providing legal and physical possession of the Site and access thereto, and for providing possession of and access to all other areas reasonably required for the proper execution of the Contract, including all requisite rights of way, as specified in the Appendix (Scope of Works and Supply by the Employer) to the Contract Agreement. The Employer shall give full possession of and accord all rights of access thereto on or before the date(s) specified in that Appendix. <b>SCC8.2</b> The Time for Completion of the whole of the Facilities shall be 540 days from the Effective Date as described in the Contract Agreement.	No date(s) are specified in the Appendix. Please clarify the date(s) when the Employer shall give full possession of and accord all rights of access thereto.	Appendix 6: Scope of works and supply by the employer is not applicable as mentioned in the section 9: contract forms.
4	Section 9	<b>CA3.1 Effective Date</b> (Reference GCC Clause 1) The Effective Date upon which the period until the Time of Completion of the Facilities shall be counted from is the date when all of the following conditions have been fulfilled: (a) This Contract Agreement has been duly executed for and on behalf of the Employer and the Contractor; (b) The Contractor has submitted to the Employer the performance security; (c) The Employer has paid the Contractor the advance payment provided the Contractor has submitted the advance payment guarantee. Each party shall use its best efforts to fulfill the above conditions for which it is responsible as soon as practicable.	Letter of Credit is not specified as one of the conditions. Please clarify the duration when the Letter of Credit shall be issued.	Either party shall fulfill the conditions mentioned in the CA3.1 Effective Date. Other conditions which are not specified are not applicable.
	Section 8, VOLUME I	8	Please confirm if the site possession status with all clearance of trees, electricity poles, public structure will be provided before time for commencement as per SCC S.N. 8: Time for commencement and completion	Confirmed
	Section 3: Evaluation and Qualification Criteria, Volume I	2.4.2	Section 3- Evaluation and Qualification Criteria: 2.4.2 Experience in key activities- We would like to request you to consider one contract of supply, installation, testing and commissioning of 220 kV or higher voltage transformer with at least two number of 160 MVA capacity in withing last 10 years"	Please refer section 3: EQC 2.4.2 of the bidding document
	Section 3: Evaluation and Qualification Criteria, Volume I	2.4.1	We request you to make similar type of provision in Nepal removing such each party similar size and nature works experience as both the project seems similar in nature and we know that, ADB Procurement Guidelin is not different in ADB member countries	Please refer section 3: EQC 2.4.1 of the bidding document

