

Clarification-I

S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
1/254	General	General	Both	We understand that operation and maintenance of the substation is not in the bidders scope. Please confirm.	Bidders understanding is generally in order.
2/254	General	General	Bharatpur	Please furnish the following inputs pertaining to existing 132kV AIS at Bharatpur station: a) Earth mat layout b) Cable trench layout c) DSLP layout with LM locations d) Control building layout	As per Clause-12.1 of Section PSR, the Bidders are advised to visit Sub-stations site and acquaint themselves with existing facilities, the topography, infrastructure, etc.
3/254	General	General	Bharatpur	Kindly provide the details such as Make & Model number of existing bus-bar protection for 132kV AIS.	Same shall be provided during the detail engineering.
4/254	General	General	Bharatpur	From the Scope of Supply, it is not clear if the Control building existing have enough space to accommodate the present scope or any extension of the Control building is required. Please clarify.	At Bharatpur substation, existing Control building has sufficient space to accommodate the present scope.
5/254	General	General	Both	Kindly provide a tentative layout/dimensions for each of the below stated buildings for both Sub-stations, as applicable: 1) Control building 2) Township quarter (B-type, 4 no.s) 3) Township quarter (C-type, 4 no.s) 4) Township quarter (D-type, 1 no.s) 5) Recreation hall cum staff community hall 6) Transit Camp 7) Car Parking	Bidder is to quote as per provision of Bidding Documents.
6/254	General	General	Both	We understand that the GIS layouts are tentative. Bidder is required to prepare the layout as per the SLD requirement. Please confirm.	Bidders understanding is generally in order.
7/254	General	General	Both	Please provide the line length for 220kV, 132 kV lines for Substation.	Same shall be provided during the detail engineering.
8/254	General	General	Bharatpur	Please provide existing 132 kV Bus bar scheme and SLD of Bharatpur SS.	Same shall be provided during the detail engineering.



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9/254	General	General	Bharatpur	Please provide the Existing conductor details of 132kV existing Bharatpur substation.	Same shall be provided during the detail engineering.
10/254	General	General	Bharatpur	Please provide the existing trench layout of Bharatpur substation.	Same shall be provided during the detail engineering.
11/254	General	General	Bharatpur	Check existing CT Ratios with tender CT Ratios, in case of existing Substation having High Imp B/B Protection. Please provide the existing 132kV CT ratio.	Same shall be provided during the detail engineering.
12/254	General	General	Bharatpur	We understand that, Existing 132kV Bus bar protection augmentation at Bharatpur Substation is not envisaged. Please confirm.	As per the provision of the Bidding document
13/254	General	General	Udipur	We understand that, one common BCPU shall be provided for each 33kV bays, which can be used for both control & protection functions of respective bays. Hence separate BCU is not envisaged for 33kV bays. Please confirm.	As per the provision of the Bidding document
14/254	General	General	Both	Request to provide the Contour drawing along with the FGL of the Substation to assess the land development quantity.	It is under the Contractor's scope of work.
15/254	General	General	Both	Request to provide the soil investigation report of the proposed substation.	It is under the Contractor's scope of work.
16/254	General	General	Both	We understand that Land acquisition for the substation and approach is done. Please confirm our understanding.	Bidders understanding is generally in order.
17/254	General	General	Both	Drawing for Township Quarters i.e. B Type, C Type, D Type could not be found in the tender documents. Request you to provide the same.	Bidder is to quote as per provision of Bidding Documents.

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18/254	General	General	Bharatpur	In Bharatpur substation, there is existing 132kV substation. But as per scope of work, scope is limited to supply of 2 Nos transformer panel. No augmentation work is in scope of work w.r.t busbar protection etc. and no integration work is in the scope. In case if integration work is in scope then protection relays and RTU etc. are required. Accordingly please amend the scope of work and price schedule and we require the complete details of existing substation. Please confirm.	As per the provision of the bidding document.
19/254	General	General	Both	We are not envisaging CCTV, access control and intrusion system for the project, as no line item is available in BPS for the same, Please confirm. If required, please include a separate line item in the Bid price schedule and furnish technical specifications for the same.	As per the provision of the Bidding document.
20/254	General	General	Both	We understand that the terminal point for 220kV System is the 220kV line gantry without any line side insulator string. Please confirm our understanding.	Bidders understanding is generally in order.
21/254	General	General	Both	We understand that the terminal point for 132kV System is the 132kV line gantry without any line side insulator string. Please confirm our understanding.	Bidders understanding is generally in order.
22/254	General	General	Both	We found mismatch between Scope of work, Drawings and Price Schedule, Hence request you to please confirm the order of precedence of document to be followed for preparation and submission of competitive bid.	Following is the order of preference. 1. Project Specific Requirement (PSR) 2. Bid Price Schedule 3. Volume 2 (Except PSR)
23/254	General	General	Both	Customer is requested to provide the list of approved brands for cement, reinforcement steel, structural steel, tiles and sanitary items.	Bidder is to quote as per provision of Bidding Documents. Please note that bidder shall propose brand of cement, reinforcement steel, structural steel, tiles and sanitary items for necessary approval after signing of the contract.
24/254	General	General	Both	The bidder understands that Ready Mix Concrete (RMC) shall be allowed for construction purpose. Please clarify.	Yes. However, the RMC shall meet the quality requirement stipulated in the technical specification and relevant standard mentioned in the Bid. Also, RMC shall be prepared in presence of the Project representative.
25/254	Volume-1, Section-8, SCC	Clause 9	Both	What's do "SEP", "ESMP" and "LACP" stand for?	SEP: Stakeholder Engagement Plan ESMP: Environment and Social Management Plan LACP: Land acquisition and compensation plan

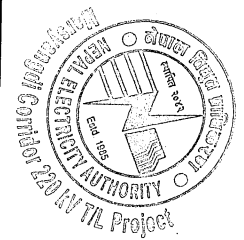


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26/254	Volume -1 Section-3, EQC	Clause 2.5.A.3 & 4.	Both	As per the referred clause , it is mentioned as subcontractor or manufacturer." (ii) Must have designed, manufactured and supplied GIS Switchgears 220 kV or higher voltage class (Circuit Breaker, Disconnector, Grounding Switches, Instrument Transformers, SF6/Air & Oil Bushing etc.); at least twice the bid quantity as a main supplier over last five (5) years period ending on the last date of bid submission. Out of supplied quantity, a minimum of half the bid quantity shall have been in operation satisfactorily to the end users for at least One (1) year. (iii). Must have successfully carried out the complete test as per IEC in STL - Accredited Laboratory on 220 voltage class switchgears(Circuit breaker, Disconnector, Grounding switches, Instrument Transformers, SF6/Air & Oil Bushing etc.);". It is mentioned as SF6/Air & Oil Bushing and the same has to be replaced as SF6 or Air or Oil Bushing.	As per the provision of the bidding document.
27/254	Volume -1 Section-3, EQC	Clause 2.5.A.2.	Both	Please confirm that for evaluating manufacturer's performance credential, incase a manufacturer has supplied 1 nos of 220kV Transformers 3phase transformers, the same shall be considered as equivalent to 3 nos of 1 ph 220kV Transformers. Since 1 ph transformers of 220kV rating is involved in Udupur substation, this clarification is required for calculating the twice the bid quantity.	Bidders understanding is generally in order.
28/254	Volume -1 Section-3, EQC	Clause 2.5.A.3 , 4 & 5.	Both	As per the referred clause it is mentioned as subcontractor or manufacturer," Must have successfully carried out the complete type test as per IEC in Short-Circuit Testing Liaison (STL) - Accredited Laboratory on 220 kV voltage class GIS Switchgears (Circuit Breaker, Disconnector, Grounding Switches, Instrument Transformers, SF6/Air & Oil Bushing etc.);". "In case of an Indian GIS manufacturer who have not conducted the type testing of 220kV , 132kV & 33kV GIS manufactured in India but the parent company or subsidiary company have conducted the type testing of 220kV , 132kV & 33kV or higher voltage class. The type test reports of the parent company or subsidiary company shall be acceptable provided that the design of the 220kV, 132kV, 33kV GIS being offered from Indian works is same as that of GIS manufactured and successfully type tested from the parent company or subsidiary company parent company". Hence, we request NEA to accept the type test of parent company, if the GIS manufacturers having stipulated performance and meeting criteria (i) and (ii) of above referred clause. Kindly confirm.	As per provision of Bidding Documents.



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29/254	Volume -1, Section-8, SCC	Clause 14 , Taxes & Duties	Both	a) As per the referred clause we understand that for the imported items customs duty shall be reimbursable at a special rate of 1% of CIP or customs entry point value. And VAT for the imported materials shall be exempted and for the materials supplied directly from manufacturing plant in the employers country shall be reimbursed. b) As per the price schedule format we have separate column to declare the taxes and duties. We understand that the taxes and duties will not be taken for evaluation. Please confirm.	a) As per the prevailing GoN act, rules and regulation and as per the provision of the Bidding document. b) Yes, your understanding is generally in order.
30/254	Volume -1, Section-3, EQC	Clause 2.5.A.12	Both	As per the referred clause type test report and experience certificates for RIP bushings are asked separately. Since RIP bushings are part of transformer, giving documents separately for RIP bushings will be difficult. Hence we request NEA to submit the RIP bushing related documents during detailed engineering stage. We shall provide undertaking for the same during the bidding stage. Please confirm.	As per the provision of the Bidding documents
31/254	Volume -1, Section-3, EQC	Clause 2.5.A.2.	Both	As per referred clause , Manufacturer "must have successfully carried out the complete type test including Dynamic Short Circuit (DSC) test as per IEC over last 7 years period as on the originally scheduled date of bid opening in Short-Circuit Testing Liaison (STL) - Accredited Laboratory on : - 220 kV voltage class, three phase 160 MVA (or single phase 3 X 53.33 MVA) - 132 kV voltage class, three phase 50 MVA We request NEA to accept complete type test report including DSC for the same or higher voltage & rating transformers which are accepted as per IEC and the same shall be proven through the design review as per IEC	As per the provision of the Bidding documents
32/254	Volume -1, Section-3, EQC	Clause 2.5.A.1.	Both	As per the referred clause , sub-contractors or manufacturers a) "must submit the type test report carried out by reputed independent accredited testing laboratory for the size offered" b) must hold a valid ISO 9001:2000 (including design in scope of registration) certificates.	As per the provision of the Bidding documents



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33/254	Volume -1, Section-3, EQC	Clause 2.5.A.2.	Both	As per referred clause , Manufacturer "must have successfully carried out the complete type test including Dynamic Short Circuit (DSC) test as per IEC over last 7 years period as on the originally scheduled date of bid opening in Short-Circuit Testing Liaison (STL) - Accredited Laboratory on : - 220 kV voltage class, three phase 160 MVA (or single phase 3 X 53.33 MVA) - 132 kV voltage class, three phase 50 MVA i) However, IF the Bidder/Manufacturer has not conducted the complete type tests including DSC in Short-Circuit Testing Liaison (STL) - Accredited Laboratory THEN the bidder has to submit undertaking letter along with bid to carry out the complete type test on the above mentioned ratings of transformers including DSC in Short-Circuit Testing Liaison (STL)-Accredited Laboratory without any extra cost to the employer". ii) However, IF the Bidder/Manufacturer has conducted the type test including DSC in STL but it is beyond the 7 years as on the date of bid opening and or of the higher rating of Transformer THEN the bidder has to submit undertaking letter along with bid to carry out the complete type test on the above mentioned ratings of transformers including DSC in Short-Circuit Testing Liaison (STL)-Accredited Laboratory or in NABL witnessed by - authorized STL and NEA authorized representatives without any extra cost to the Employer. With reference to the above clause it is to be noted that various manufacturers have done DSC test in STL accredited laboratory and the other type tests in the NABL accredited laboratory. Hence in this, we request you to kindly accept the manufacturers to carry out only DSC in STL lab and the other type tests in NABL accredited laboratory.	As per the provision of the Bidding documents
34/254	Volume I Section 4 - Bidding Forms		Both	There stipulated both Bid Security and Bid-Securing Declaration in Section 4-Bidding Forms, please clarify whether the Bidder shall provide the Bid Security only or both of them?	Bidder shall provide both
35/254	Volume-1, Additional clause	Additional clause	Both	Request you to confirm whether the complete payments involved in the project would be coming from European Investment Bank	Bidders understanding is generally in order.
36/254	Volume-1, Section-1, ITB	Clause 14.2.2, Taxes & Duties	Both	Please confirm that the contractor shall not bear any demurrage or penalties imposed by the port authorities due to delayed clearance of consignment not attributable to the Contractor and that such expenses, if any, shall be to the Employer's account.	As per the provision of the Bidding documents
37/254	Volume-1, Section-1, ITB	Clause 34.1 (b)	Both	We will supply spares parts as per list and quantity given in the price schedule only. No other spares shall be in our scope. Please confirm.	As per the provision of the Bidding documents



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38/254	Volume-1, Section-1, ITB & Section-2, BDS	Section 1: Clause 39.5	Both	We understand that Performance bank guarantee applicable for the complete project is 10% of the contract value valid till warranty period. Please confirm.	As per the provision of the bidding document.
39/254	Volume-1, Section-3, EQC	Clause 2.5 (2)	Both	220KV Transformers: We request NEA to accept the type tests of transformers with a voltage rating greater than or equal to 220KV and transformer rating greater than or equal to 160MVA. 132KV Transformers: We request NEA to accept the type tests of transformers with a voltage rating greater than or equal to 132KV and transformer rating greater than or equal to 50MVA.	As per the provision of the Bidding documents
40/254	Volume-1, Section-3, EQC	Clause 2.5	Both	We would like to inform you that the equipment manufactured in various factories across different countries are based on the design & type tests conducted by the parent unit. Hence we would request you to accept type tests of parent company as well as from the manufacturing unit.	As per the provision of the Bidding documents
41/254	Volume-1, Section-3, EQC	EQC, Clause 2.5 item no. 2, 3, 4 & Volume-2, Chapter- 2, GTR Clause 9.2	Both	We request NEA to accept type tests which have been conducted in last 10 years.	Type test shall be as per Vol-1, EQC, Clause 2.5 for Power transformer & GIS (220 kV & 132 kV). However, for other items type test shall be as per Vol-II, Chapter-2, GTR, clause no 9.2
42/254	Volume-1, Section-3, EQC	Vol I Section 3	Both	Type tests as per IEC standards is carried out once to establish the design of the GIS. We request you to accept the type test reports from our parent company as GIS of the same design is being offered.	As per the provision of the Bidding documents
43/254	Volume-1, Section-3, EQC		Both	We understand that bidder needs to submit stamped & duly signed copies from bidder of all necessary documents along with the Notarized translation copies of only those documents which are not in English language. Kindly confirm.	During the submission of the Bid, bidder(s) must submit notarized copy of all the necessary documents required to prove the above specified legal status, Valid ISO Certificate, experience eligibility requirements of bidder (substantiated by end users certificate). However, notarized type test report shall be submitted before contract negotiation, if the bid is awarded to the Bidder.

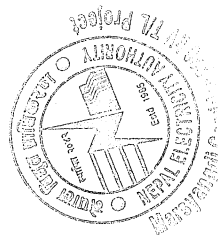


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44/254	Volume-1, Section-7, GCC	Clause 12.4	Both	The Appendix (Terms and Procedures of Payment) does not stipulate the proportion between the local currency and foreign currency and does not stipulate what kind of foreign currency the Bidder is entitled to be paid neither. Can we, as the bidder, decide the proportion and the kind of the foreign currency forming the Contract Price?	For the plant and equipment to be supplied from abroad (Schedule 1), Training to be imparted abroad (Schedule 4 (b)) and type test to be conducted abroad (Schedule 4 e) contractor shall quote in foreign currency. However, Schedule 2 (if applicable), Schedule 4(c) & Schedule 4(f) (if applicable) shall be quoted in local currency. In case of schedule 4(a), bidder may quote in local or in foreign currency as applicable or as per the requirement. However, the prices shall be quoted either in the currency of the Bidder's home country, or in any fully convertible currency of up to three foreign currencies.
45/254	Volume-1, Section-7, GCC	Clause 30	Both	Please modify the existing clause as mentioned below: Except in cases of criminal negligence or willful misconduct: (a) neither Party shall be liable to the other Party, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, interruptions of operations or loss of use, loss of production, or loss of profits or interest costs, cost of capital, loss of power, and cost of purchased or replacement power, loss of information and data, and damages based on the customer's third party contracts which may be suffered by the other Party in connection with the Contract, other than specifically provided as any obligation of the Party in the Contract; and	As per the provision of the Bidding documents
46/254	Volume-1, Section-7, GCC	Clause 30.1	Both	The Bidder requests that the Liability per event of occurrence shall be limited to USD 1 Mio. Total Liability of the project shall be limited to the Contract Value.	As per the provision of the Bidding documents
47/254	Volume-1, Section-7, GCC	Clause 7.3	Both	Bidder requests for the modification of said clause as given below: In addition to the supply of Mandatory Spare Parts included in the Contract, the Contractor agrees to supply spare parts, <u>or functionally equivalent spare parts</u> , required for the operation and maintenance of the Facilities for the period specified in the PC and the provisions, if any, specified in the SCC.	As per the provision of the Bidding document.

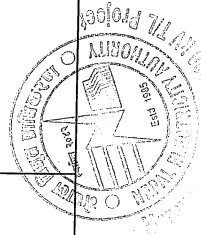


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48/254	Volume-1, Section-7, GCC	Section 7: Clause 27 Section 8: Clause 27	Both	Request for the modification in the existing clause: GCC 27.2 The Defect Liability Period shall be 540 days from the date of Completion of the Facilities (or any part thereof) or one 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 Sub-Clause 27.10. GCC27.10 In addition, any such component of the Facilities and during the period of time as may be specified in the SCC shall be subject to an extended Defect Liability Period. Such obligation of the Contractor shall be in addition to the Defect Liability Period specified under GCC Sub-Clause 27.2. SCC-27- Defect Liability- 27-10 The critical components covered under the extended defect liability are Gas-Insulated Switchgears including isolators and breakers, 220/132/33 KV Power Transformer, 132/33 KV Power Transformer, SAS communication equipment, CNR Panels relays, meters and metering equipment, pre-engineered buildings and the period shall be 1080 Days from the date of operational acceptance.	As per the provision of the Bidding document.
49/254	Volume-1, Section-7, GCC	Clause 15.1	Both	We propose following: For the operation and maintenance of the Plant, the Contractor hereby grants a non-exclusive and non-transferable license (without the right to sublicense) to the Employer under the patents, utility models, or other industrial property rights owned by the Contractor or by a third party from whom the Contractor has received the right to grant licenses thereunder, and shall also grant to the Employer a nonexclusive and non-transferable right (without the right to sublicense) to use the know-how and other technical information disclosed to the Employer under the Contract for the operation and maintenance of the Plant.	As per the provision of the bidding document.
50/254	Volume-1, Section-7, GCC	Clause 15.2	Both	We propose following: The copyright in all drawings, documents, and other materials containing data and information furnished to the Employer by the Contractor herein shall remain vested in the Contractor or, if they are furnished to the Employer directly or through the Contractor by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party. However, the Employer shall be obligated to use such drawings, documents and other material for the intended purpose only and shall indemnify and keep Contractor indemnified against any losses, claims, damages, penalty and compensation arising out of or in connection thereto.	As per the provision of the bidding document.

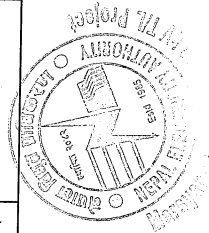


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51/254	Volume-1, Section-7, GCC	Clause 16	Both	We understand that in absence of any specified protection period, the obligation of confidentiality shall survive for 2 years. Please confirm.	The confidentiality survival period shall be as per international practice acceptable to the Employer, which shall be finalized during contract negotiation.
52/254	Volume-1, Section-7, GCC	Clause 20.3.1	Both	The Contractor shall not share any proprietary information, drawings, designs etc., produced or developed by the contractor for this Project. Requesting NEA to amend the clause accordingly.	As per the provision of the bidding document.
53/254	Volume-1, Section-7, GCC	Clause 21.2.2	Both	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).	As per the provision of the bidding document.
54/254	Volume-1, Section-7, GCC	Clause 22.1.1 (b)	Both	if such error is based on incorrect data provided in writing by or on behalf of the Employer, the expense of rectifying the same shall be borne by the Employer We understand that Contractor would be entitled to extension of time in addition to costs for such delays/ errors.	As per the provision of the bidding document.
55/254	Volume-1, Section-7, GCC	Clause 22.6	Both	Emergency Work:- 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. 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 costs incurred by the Employer in connection therewith shall be paid by the Contractor to the Employer.	As per the provision of the bidding document.
56/254	Volume-1, Section-7, GCC	Clause 24.3	Both	Completion of the Facilities:- As soon as reasonably practicable after the operating and maintenance personnel have been supplied by the Employer and the raw materials, utilities, lubricants, chemicals, catalysts, facilities, services, and other matters have been provided by the Employer in accordance with GCC Sub clause 24.2, the Contractor shall commence Pre-commissioning of the Facilities or the relevant part thereof in preparation for Commissioning, subject to GCC Sub clause 25.5. We understand that Contractor would be entitled to extension of time in for any delay due to the Employer.	As per the provision of the bidding document.

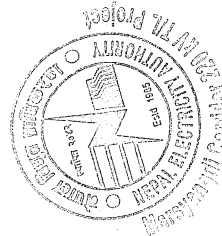


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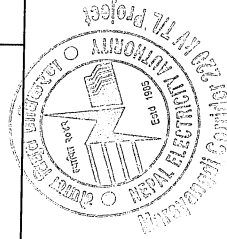
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57/254	Volume-1, Section-7, GCC	Clause 27.8	Both	Defect Liability:- If the Facilities or any part thereof cannot be used by reason of such defect and/or making good of such defect, the Defect Liability Period of the Facilities or such part, as the 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.	As per the provision of the bidding document.
58/254	Volume-1, Section-7, GCC	Clause 27.8	Both	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. We propose following: 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: 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 laborer, 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	As per the provision of the bidding document.



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S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
59/254	Volume-1, Section-7, GCC	Clause 29.1	Both	Please add the below to clause 29.1: 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 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. 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. We propose following: 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. here 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. The terms Gross Negligence and Willful Misconduct shall have following meaning: 1.3 "Gross Negligence" means tortious acts or omissions by Seller'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. 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.	As per the provision of the bidding document.
60/254	Volume-1, Section-7, GCC	Clause 30.2	Both	The terms Gross Negligence and Willful Misconduct shall have following meaning: 1.3 "Gross Negligence" means tortious acts or omissions by Seller'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. 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.	As per the provision of the bidding document.



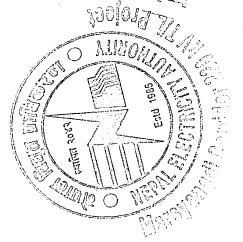
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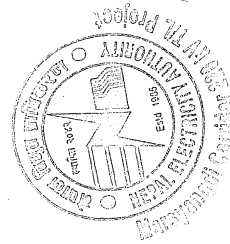
S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
61/254	Volume-1, Section-7, GCC	Clause 33.1	Both	We Propose following: The Contractor shall indemnify and hold harmless the Employer and its employees and officers from and against any and all suits, actions or administrative 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 third party 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. 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.	As per the provision of the bidding document.
62/254	Volume-1, Section-7, GCC	Clause 34.1	Both	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.	As per the provision of the bidding document.
63/254	Volume-1, Section-7, GCC	Clause 34.1 (b)	Both	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.	As per the provision of the bidding document.

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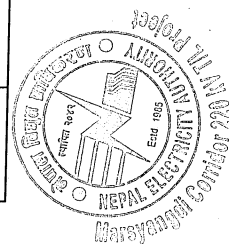
S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
64/254	Volume-1, Section-7, GCC	Clause 34.1 (c)	Both	Covering physical loss or damage to the Facilities at the Site, occurring prior to Completion of the Facilities, with an extended maintenance coverage for the Contractor's 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. 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 Employer's personnel, and loss of or damage to property occurring in connection with the supply and installation of the Facilities.	As per the provision of the bidding document.
65/254	Volume-1, Section-7, GCC	Clause 34.1 (f)	Both	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.	As per the provision of the bidding document.
66/254	Volume-1, Section-7, GCC	Clause 34.5	Both	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.	As per the provision of the bidding document.
67/254	Volume-1, Section-7, GCC	Clause 41, Suspension and Termination	Both	There is no recourse available to the Contractor for Suspension/ termination in case of non-payment or delayed payment. This is onerous. We request that the Contractor shall be entitled to suspend/ terminate the agreement for non-payment or delayed payment of amounts due to it under the Contract.	As per the provision of the bidding document.



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S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
68/254	Volume-1, Section-7, GCC	Clause 42.6 Termination	Both	Kindly add the below as Clause 42.8: If Employer terminates the Contract pursuant to Section 42.4 (a), (b), (c), (e), (f), (g), (h) and/or 42.6, then (i) Contractor shall reimburse Employer the difference between that portion of the Contract Price allocable to the terminated scope and the actual amounts reasonably incurred by Employer to complete that scope, and (ii) Employer shall pay to Contractor (a) the portion of the Contract Price allocable to Products completed, and (b) amounts for Services performed before the effective date of termination. The amount due for Services shall be determined in accordance with the milestone schedule (for completed milestones) and rates set forth in the Contract (for work toward milestones not yet achieved and where there is no milestone schedule), as applicable or, where there are no milestones and/or rates in the Contract, at Contractor's then-current standard time and material rates. 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. Please add the following at the end of the Clause:	As per the provision of the Bidding documents
69/254	Volume-1, Section-7, GCC	Clause 43.1	Both		As per the provision of the Bidding documents
70/254	Volume-1, Section-7, GCC & Section-8, SCC	Clause 7.3	Both	(i) Contractor will ensure to keep the availability of mandatory spares parts. However, we understand that time duration to do so needs to be practically feasible. Technology is continuously evolving and maintaining spares inventory for such a long period is not practical. Requesting NEA to change period from five years to 1 year. (ii) With respect to the requirement of sharing all drawing and technical information of spares – We can only share non-proprietary drawings. We can provide alternate source for the spares or provide the spares from another factory.	As per the provision of the Bidding documents
71/254	Volume-1, Section-7, GCC, & Section-8 SCC	Clause 14	Both	Please confirm on the following: 1. We understand that as per Nepal law 1.5% TDS is applicable to contractors i.e. TDS will be deducted on entire contract value if the Bidder has the VAT registration in Nepal. 2. In case there is a favorable Double Taxation Avoidance Agreement (DTAA) between Government of Nepal and contractor's country (India) then TDS as per provisions of DTAA will be deducted i.e. TDS will be deducted only on payments made for local construction and erection work. No TDS will be deducted on payments made for supplies from outside Nepal. Whether any tax/charges would be deducted by the customer while remitting the payments for offshore supplies. Kindly confirm our understanding for above point 1 & 2.	No, your understanding is not correct & complete. TDS shall be as per the prevailing law of Nepal. Please acquire the required thorough information regarding TDS from Inland Revenue Department (IRD) as well as concerned competent government authorities.



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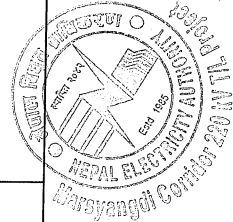
S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
72/254	Volume-1, Section-8	GCC14.2 and SCC 14.5	Both	According to GCC 14.2 and SCC 14.5, is it correct that the Bidder is only asked, instead of bearing the taxes, to include the business taxes and other taxes levied in Nepal into the price quoted and that the Employer is required to bear all the taxes levied in Nepal? <u>Please clarify the below two points:</u>	Bidder is to quote as per the provision of the Bidding document. However for more clarity bidder shall acquire the required information regarding all kind of applicable taxes from Inland Revenue Department (IRD) as well as concerned competent government authorities.
73/254	Volume-1, Section-8, SCC	Clause 7.3	Both	1) 6 months delivery is not possible for all equipment's. We confirm prompt supply of spares within a reasonable period. Please accept. 2) Blueprints of spare parts are intellectual property of the manufacturers. We understand that only the non-IPR related drawings/as-built drawings need to be provided under this clause for the purpose of identification of spare parts. Please confirm. functionally equivalent spare parts shall also be acceptable.	As per the provision of the bidding document.
74/254	Volume-1, Section-8, SCC	Clause 25.2.2, Commissioning & Operational Acceptance	Both	Understand in the context of substations, Guarantee Tests means tests to verify guaranteed transformer losses. In that case should guarantee test can not be conducted due to non-availability of full load or any other reasons not attributed to the Contractor, the Employer shall issue operational acceptance certificate, if due otherwise.	As per the provision of the Bidding documents
75/254	Volume-1, Section-9, Contract Forms	Contract Agreement	Both	Please modify the clause as below: The Effective Date upon which the period until the Time for Completion of the Facilities shall be counted from is the date when all of the following conditions have been fulfilled: (a) This Contract Agreement has been duly executed for and on behalf of the Employer and the Contractor. (b) The Contractor has submitted to the Employer the performance security. (c) The Employer has paid the Contractor the advance payment for onshore and offshore portion provided the Contractor has submitted the advance payment guarantee. (d) The employer has established letter of credit for re-imbursement of payment to contractor full value of contract. (e) The Employer handed over clear sites including necessary permits. Each party shall use its best efforts to fulfill the above conditions for which it is responsible as soon as practicable.	As per the provision of the Bidding documents
76/254	Volume-1, Section-9, Contract Forms	Terms of Payments	Both	We understand that letter of credit shall be opened at the time of contract signing for the full value of contract. Please confirm.	Bidders understanding is not correct. Employer shall establish Letter of credit within reasonable period after receiving the required documents and perform invoice from the contractor

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S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
77/254	Volume-1, Section-9, Contract Forms	Terms of Payments	Both	Please advise the duration in which the L/C will be established by Employer in favor of Contractor.	Employer shall establish Letter of credit within reasonable period after receiving the required documents and perform invoice from the contractor
78/254	Volume-1, Section-9, Contract Forms	Appendix 2, Price Adjustment	Both	Considering the scope involved & completion schedule, we request NEA to consider price on variable basis and provide price adjustment formula.	As per the provision of the Bidding documents
79/254	Volume-1, Section-9, Contract Forms	Appendix 3, Insurances To Be Taken Out By The Contractor	Both	In accordance with the provisions of GCC Clause 34, 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. 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.	As per the provision of the Bidding documents
80/254	Volume-1, Section-9, Contract Forms	Appendix 3, Insurance Requirements (a) Cargo Insurance	Both	We request NEA to delete the foot note: (*) Excess 5% of claimed amount subject to minimum of NRs. 20,000 or its equivalent for Normal and NRs. 80,000 or its equivalent for act of God perils and collapse.	As per the provision of the Bidding documents
81/254	Volume-1, Section-9, Contract Forms	Appendix 3, Insurance Requirements (b) Installation All Risks Insurance	Both	We request NEA to delete the foot note: (*) Excess 5% of claimed amount subject to minimum of NRs. 40,000 or its equivalent for Normal and NRs. 30,000 or its equivalent for testing perils and collapse.	As per the provision of the Bidding documents
82/254	Volume-1, Section-9, Contract Forms	Appendix 3, Insurance Requirements, (b) Installation All Risks Insurance	Both	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.	As per the provision of the Bidding documents
83/254	Volume-2	Online Monitoring systems	Both	We presume that the online monitoring systems such as online DGA, online drying system, Bushing monitoring system & Fiber optic temperature sensing systems for the transformers are not envisaged for this project. Please confirm.	As per the provision of the Bidding document.



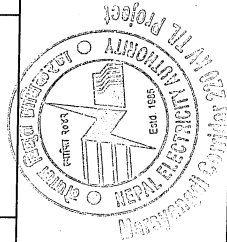
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S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
84/254	Volume-2 Chapter-1, PSR	Clause-12.6, Oil filtration socket	Both	As per the referred clause, 250A oil filtration receptacles need to be supplied at 220kV new stations. However, No line item for Oil Filtration Socket has been included in the Price Schedule. Please include a separate line item for the same.	Same has been included in Vol-3, Schedule 1, Part A, item no. M-(a)-i for Udipur substation and item no. L-(a)- i for Bharatpur substation
85/254	Volume-2 Chapter-16, EXV Cable	Clause No. 29	Both	As per the referred clause Cross-bonding of EHV cables is mentioned. But for lesser route lengths, single point bonding is preferred. Please check and clarify the requirement.	As per the provision of the Bidding document.
86/254	Volume-2 Chapter-21,	Annexure-3, Tables 3A to 3D, CT parameters for 220kV & 132kV	Both	As per the referred tables, the number of cores for 220kV & 132kV CT shall be 5. However, the following requirements are mentioned under the various clauses of Chapter-1: a) As per cl. 3.2.1.1.1, (d), the number of cores shall be 6 for 220kV Line bay (For Udipur) b) As per Cl. 3.2.2.1.1, (c), the number of cores shall be 6 for 220kV Line bay (For Bharatpur) c) As per cl. 3.2.1.1.2, the number of cores shall be 6 for 132kV Line bay (For Udipur) Please check and clarify the actual requirement.	Bidder is to quote per the description given in Vol 2, Chapter-1 "PSR"
87/254	Volume-2 Chapter-21, GIS	Annexure-4, Tables 4A, VT parameters for 220kV & 132kV	Both	As per the referred tables, the number of secondary windings for 220kV & 132kV VT shall be 3. However, the following requirements are mentioned under the various clauses of Chapter-1: a) As per Cl. 3.2.1.1.2, (e), the number of secondary windings shall be 4 for 132kV Line (For Udipur) Please check and clarify the actual requirement.	Bidder is to quote per the description given in Vol 2, Chapter-1 "PSR"
88/254	Volume-2, Chapter 1, PSR	Clause-3.2.2.2, Automation of existing 132kV bays	Bharatpur	Since automation of existing 7# bays is in the scope of this project, kindly clarify the following: a) Whether separate Control panels are required or only BCU can be supplied & mounted in the existing CRP? If BCUs can be mounted in existing Panels, we presume that adequate space shall be available in the control panels. b) Whether, existing relays are IEC 61850 compatible? c) If the entire Control & relay panels to be replaced, please include the same as a separate line item in the BPS d) Whether existing control cables and trenches can be re-used?	a,b,d) Bidder shall assess the same during site visit of existing substation and control building. C) It is not required to replace the existing entire control and relay panel.
89/254	Volume-2, Chapter 1, PSR	Clause 3.2.2.2 (c)	Bharatpur	The referred clause for Bharatpur station states that "For 245kV, 145kV and 36kV system Circuit breaker, Isolators, CT, Surge Arrestors and Bus Post Insulators, 72.5kV circuit breakers....." As this clause is referring to AIS equipment's, we presume there has been a typo error and "245kV" is a wrong entry. Please confirm.	Bidder is to quote as per the BPS.
90/254	Volume-2, Chapter 1, PSR	Clause-3.2.2.2, Automation of existing 132kV bays	Bharatpur	Since automation of existing 7# bays is in the scope of this project it requires shut down of the bays. In this regard, we request NEA to please clarify how the shut down will be given. It shall be the responsibility of NEA to provide a proper shut down schedule inline with the project schedule to the successful Bidder.	Project shall request concerned department of NEA for shut down in line with the project schedule.

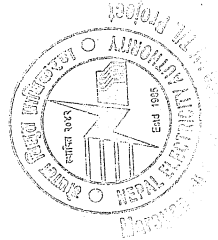


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S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
91/254	Volume-2, Chapter-1, PSR	Clause-3.2.2.3, Civil works, Sl. No. (j)	Bharatpur	We presume that control building is existing at Bharatpur substation and the same is adequate for accommodating the facilities to be provided under this contract. Please confirm.	Bidders understanding is generally in order
92/254	Volume-2, Chapter-16, EXV XLPE Cable	Clause-33, DTS system	Both	DTS system is required for cross-country cabling with longer route lengths. In this regard, we do not envisage DTS system for this package. Please confirm acceptance.	As per the provision of the Bidding document
93/254	Volume-2, Chapter-21, GIS	Clause-4.5, Internal Arc	Both	As per the referred clause of technical specification, "The material and thickness of the enclosures shall be such as to withstand an internal flash over without burn through for a period of 300 ms at rated short time withstand current." However, as per IEC 62271-203, Clause-5.102.2, Table-4, burn through is acceptable for STC≥ 40kA for a period of 0.3s. We propose to offer GIS modules which are internal arc tested as per IEC. Please confirm.	As per the provision of the Bidding document
94/254	Volume-2, Chapter-21, GIS	clause 1.2, 132kV GIS	Bharatpur	The referred clause of chapter-21 indicates only 3-phase design for 132kV GIS. However, as per Clause-3.2.1.1.2 of Chapter-1 both 3-phase and 1-phase enclosures are accepted for 132kV GIS. Please clarify.	Bidder is to quote as per the Volume-2, chapter-1, PSR
95/254	Volume-2 Drawing Layout of Udupur ,	Layout	Both	Locations of Residential quarters, transit camp & car parking are not indicated in the tentative layout. Kindly provide the same.	It is under the Contractor's scope of work.
96/254	Volume-2 Drawing, SLD for Udupur	Drg. No. C/ENGG-SS/NEA/UDIPUR-GIS/SLD/01	Udupur	As per the SLD, in the 33kV side two number of future provision are provided for 132/33kV Transformer. But as per the specification, Chapter-1, Cl.3.1.2 (c) future provision is mentioned for only one bay. Kindly clarify the number of future bays to be considered.	1 no of 132/33 kV future transformer bay is envisaged in this scope.
97/254	Volume-2, Chapter-8, Technical Specification for Fire protection system, Page 3 of 44	Clause No : 2.03.00	Both	Kindly confirm type of FDA system to be considered (whether conventional or Addressable)	As per the provision of the Bid document.

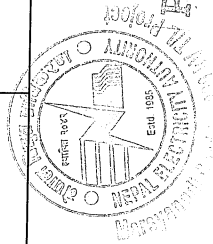


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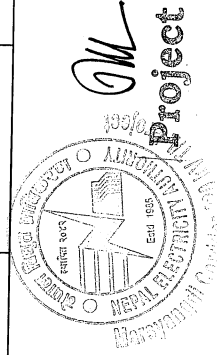
S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
98/254	Volume-2, Chapter 14, Civil works & Volume III, BPS Schedule 4(a), Part-C Civil work	Clause no-26 (Buildings) & BPS SI no-11	Udipur	As per mode of measurement for Building "The measurement of all items except excavation, concrete, reinforcement steel of each type of buildings shall be made on area in Square Meter basis. However, the quantity of excavation, concrete, reinforcement steel shall be measured separately under respective items of BPS." In price schedule the building quantity is given in Sq.m, but it is mentioned as including excavation, PCC, RCC & Reinforcement etc. Please clarify, whether the quantity of excavation, PCC, RCC & Reinforcement shall be measured & paid separately under respective items of BPS or paid in Sq.m area.	As per the provision of the Bid document.
99/254	Volume-2, Chapter-1, PSR, Page 14 of 32	Clause no-3.2.1.1.5 & Clause no-3.2.2.3	Both	We trust that, the rain water harvesting for the proposed Udipur & Bharatpur is not included in bidders scope. If it is required, kindly add a separate item for the same in the BPS.	Bidder is to quote as per the PSR and BPS
100/254	Volume-2, Chapter-1, Project Specification requirement	Cl. 3.2.2.2 (q)	Bharatpur	As per the referred clause, the size of the XLPE cable from 220/132kV ICT to 132kV GIS ICT module is mentioned as 1Cx500sq.mm XLPE Cable. However, the cable size is not mentioned in the BPS. In this regard, we presume that Bidder shall quote for 1Cx500 sq.mm XLPE copper cable in line with specification. Please confirm.	Please refer Volume-3, Schedule -1, Part A, item no. B2.1.i., Size of the cable shall be as per PSR.
101/254	Volume-2, Chapter-1, PSR	Cl. 3.2.1.1.4 (t)	Both	As per the referred clause, both 1Cx400 Sq.mm & 3Cx120 Sq.mm XLPE cable are indicated for connection between 33kV GIS & outgoing lines. We presume that 3Cx120 Sq. mm is for connection between GIS to LT auxiliary transformer. Please confirm whether Bidder's understanding is in order.	Bidders understanding is generally in order
102/254	Volume-2, Chapter-1, PSR	Clause no-3.2.2.3 i,q	Bharatpur	As per referred clause, Control cum administrative building & security room is in bidders scope. However the same is not included in price schedule. Please include the same.	No, control cum administrative building at Bharatpur substation is not in the present scope of work
103/254	Volume-2, Chapter-1, PSR	Cl.no : 3.2.1.1.5 (v)	Udipur	As per referred clause, the "Dismantling of existing Shade, miscellaneous RCC and PCC structure and Brick walls with cement and mortar etc." is in bidders scope. However in Price schedule there is no separate item for the dismantling work. Kindly include the same in price schedule.	Bidder is to quote as per Volume-2, Chapter-1, PSR
104/254	Volume-2, Chapter-1, PSR	Cl. 3.1.3 A (i) and BPS Cl. 1.03 and 1.04	Bharatpur	As per the referred clause and BPS, 6 Nos. of 1600A and 4 Nos. of 2400A line bay modules are specified. Please clarify which lines are rated for 1600A and the ones which are rated for 2400A.	Same shall be provided during the detail engineering.



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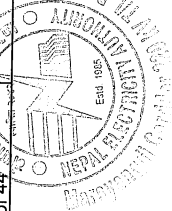
S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
105/254	Volume-2, Chapter-14, Civil work & Volume-3, BPS Schedule 4(a), Part-C Civil work Page no-26 of 29	Clause no-26.16 & BPS SI no-10, 11 & 12	Bharatpur	As per mode of measurement for Building " External finishing shall be measured and paid in respective items of BPS ". In price schedule, the item for external finishing is given only for quarters & transit camp. However in BPS the finishing schedule for GIS building, water tank and FFPH is not included. Please include the item for same in price schedule.	Please refer amendment-1
106/254	Volume-2, Chapter-14, Civil work & Volume-3, BPS Schedule 4(a), Part-C Civil work , Page 14 of 32	Clause no-26 (Buildings) & BPS SI no-10,i,ii,11	Udipur	As per mode of measurement for Building " External finishing shall be measured and paid in respective items of BPS". Where as in price schedule, the item for external finishing for referred building is not included. Please include the same.	Please refer amendment-1
107/254	Volume-2, Chapter-16, EXV XLPE Cable	Clause-1.8	Both	As per the referred clause, the shape of conductor for EHV cable is indicated as segmental type. However, as per IEC, segmental construction is preferred for cables having cross-section above 1000 sq.mm. In this regard, we request NEA to accept for compact circular construction for sizes up to 1000 sq.mm. Please confirm.	As per the provision of the bidding document.
108/254	Volume-2, Chapter-17, SAS	Clause-2.1	Both	In the referred clause Switchyard panel room is mentioned for housing of relay panels. From the scope of works we understand that Switchyard panel room is not required for Udipur & Bharatpur substations. Please confirm.	Bidder is to quote as per BPS.
109/254	Volume-2, Chapter-21, GIS , Page 27 of 48	Clause No 17.2(1)	Both	The available efficiency of pre filter is 90% down to 10 micron, Grade (EU-4). Kindly confirm	As per the provision of the Bidding document.
110/254	Volume-2, Drawing, Layout for Udipur	Layout	Both	We presume that the 220kV, 132kV & 33kV TL side insulator & hardware are not included in the present scope of works. Please confirm.	Bidders understanding is generally in order
111/254	Volume-2,		Both	As the Udipur Station is a new substation, therefore we understand that integration with existing SCADA is applicable at existing Bharatpur substation only. Please confirm.	Bidders understanding is generally in order



Project Manager
Bharatpur Corridor 220 kV Transmission Line Project

Clarification-I

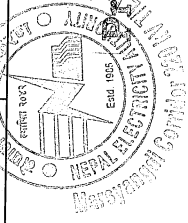
S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
112/254	Volume-2, Chapter-1, PSR	3.2.1.1.5 - Civil works	Both	If earth fill depths are high, the foundations can be rested on filled up soil after ensuring proposer compaction formed by plate load test or the applicable Geo-tech tests. Kindly confirm.	Appropriate decision shall be taken during detail engineering within framework of technical specification of the Bidding document.
113/254	Volume-2, Chapter-1, PSR	3.2.1.1.5 - Civil works	Both	We presume that the pile foundation, Rubble soling or any additional foundation protection works is not envisaged for the proposed Substation. If required the same shall be paid in additional item with mutually agreed rate. Please confirm.	Bidders understanding is generally in order.
114/254	Volume-2, Chapter-1, PSR	Clause no-3.2.1.1.5 & Clause no-3.2.2.3	Both	We trust that, approach road & strengthening of existing road and bridge is not in bidder scope. Please confirm. If it is bidder scope. Please include the item for the same in price schedule..	Both substations are connected to the highways. However, bidders shall access the requirements of strengthening of existing roads and bridges and quote accordingly. Separate items in BPS shall not be provided for the same.
115/254	Volume-2, Chapter-1, PSR	Clause no-3.2.1.1.5 & Clause no-3.2.2.3	Both	We trust that, diversion of the water stream or nalla (if any) inside proposed area is not in bidder scope. Please confirm.	Its under the Contractor scope of work and shall be paid as per the provision of the Bidding document
116/254	Volume-2, Chapter-1, PSR	Clause no-3.2.1.1.5(k) & Clause no-3.2.2.3 (j)	Both	As per referred clause, the underground water tank is in bidders scope. Whereas item for the same is not included in price schedule. We presume that, items (i.e: excavation, PCC, RCC & Reinforcement) shall be paid in respective items of BPS. Please confirm.	Bidders understanding is generally in order.
117/254	Volume-2, Chapter-1, PSR	Clause no-3.2.2.3	Bharatpur	We trust that for Bharatpur substation, dismantling of existing Road, drain, building & any other structures are not in Bidders scope. Please confirm.	Its under the Contractor scope of work.
118/254	Volume-2, Chapter-6, Lighting system, Page 3 of 19	Cl.no : 1.1.7	Both	As per referred clause, it is mentioned that "Electrical drawings enclosed with tender documents for various type of quarters, parking, pump house, recreation center and transit camp associated with township". However in tender document the mentioned drawings are not enclosed. Kindly provide the same, in order to estimate the quantum of work.	Same shall be provided during the detail engineering.
119/254	Volume-2, Chapter-8, Technical Specification for Fire protection system, Page 2 of 44	Clause No : 2.01.00 d)	Both	Specification calls for Hydrant system for Store room. If required kindly plot the store room location in general arrangement layout which enable us to estimate Pipe quantity	Its under the Contractor scope of work.



Marsyangdi Corridor 220 kV Transmission Line Project

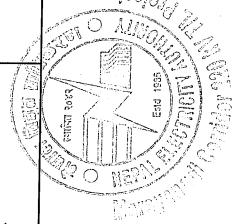
Clarification-I

S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
120/254	Volume-2, Drawing	Layout of 220/132kV Udipur GIS SS, DWG no. C/ENG/NEPAL/UDIPUR GIS/ LAYOUT/ 01 & Layout of 220/132kV Bharatpur GIS SS, DWG no. C/ENG/NEPAL/BHARATPUR GIS/ LAYOUT/ 01	Both	We presume that the locations of towers for 220kV Lines in both Udipur & Bharatpur stations are only tentative and the same can be changed by Bidder according to the Layout requirements without compromising the direction of Line orientation. Please confirm.	The same shall be finalized during the detail engineering.
121/254	Volume-2, Drawing SLD for Udipur	Drg. No. C/ENG-SS/NEA/UDIPUR-GIS/SLD/01	Udipur	As per the SLD, for 33kV GIS bays, 1# isolator & 2# Earth switches are shown after the circuit breaker (Line side). But as per Chapter 22, Clause 7.0, the requirement of line side isolator & Earth switch are not mentioned. Please check and clarify whether Line side isolator & Earth switch are required for 33kV GIS bays. If Line side isolator & Earth switches are required, please clarify the number of Earth switches.	Please quote as per the PSR and BPS.
122/254	Volume-2, Drawing, Layout for Udipur	Drg. No. C/ENG-SS/NEA/UDIPUR-GIS/LAY/01	Udipur	As per BPS, 33kV cables, outdoor isolator & surge arrester are included in the scope. But the location of these outdoor equipment are not indicated in the layout. In this regard, please confirm the location of 33kV outgoing gantries.	The same shall be finalized during the detail engineering.
123/254	Volume-2, Drawing, Layout for Udipur	Drg. No. C/ENG-SS/NEA/UDIPUR-GIS/LAY/01	Udipur	The entrance to the substation plot is not clear from the referred layout. Please check and clarify.	The same shall be finalized during the detail engineering.
124/254	Volume-2, Drawing, Layout for Udipur	Drg. No. C/ENG-SS/NEA/UDIPUR-GIS/LAY/01	Udipur	Please clarify whether the tower locations are fixed or the same can be adjusted to suit the layout requirements without affecting the direction of Line orientation.	The same shall be finalized during the detail engineering.
125/254	Volume-2, Drawing, Layout of 220/132kV Bharatpur GIS SS	DWG no. C/ENG/NEPAL/BHARATPUR GIS/ LAYOUT/ 01	Bharatpur	From the given layout, the present scope of outdoor & street lighting are not clear. In this regard, please clarify the following: a) Scope of street lighting b) Area for which outdoor lighting is required	The same shall be finalized during the detail engineering.
126/254	Volume-2, Drawing, Layout of 220/132kV Bharatpur GIS SS	DWG no. C/ENG/NEPAL/BHARATPUR GIS/ LAYOUT/ 01	Bharatpur	Kindly confirm the termination from LV side of 220/132/33kV ICT-1. As per the SLD it will be UG cable. But as per the layout it seems to be conductor. Kindly clarify.	Termination of 132 kV side of ICT shall be through UG cable and 33 kV side shall be through conductor. Please quote as per the BPS.



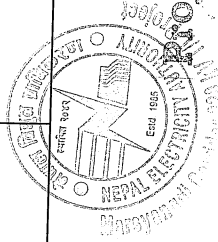
Clarification-I

S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
127/254	Volume-2, Chapter	General	Both	Volume II Page 12 d) v. GIS Cable Termination enclosure (to be mounted outside Wall of GIS Hall) with suitable isolating link, Cable Termination kit for making Connection to 1C, 300sq.mm (Copper Conductor) XLPE Cable for each phase. ICT should be GIB, cable for the lines	As per the PSR and the provision of the bidding document
128/254	Volume-2, Chapter-1 & 9	Clause 1.1.4 of Chapter 9	Both	As per referred clause 'For all control/protection/instrumentation purposes PVC insulated armoured control cables of minimum 2.5 sq. mm. size with stranded Copper conductors shall be used'. We do not clear about the kind of oversheath should be provided for control cable. Please clarify.	Please quote as per the provision of the bidding document.
129/254	Volume-2, Chapter-1, PSR	Clause-3.2.1.1.2 (i)	Udipur	We understand from this clause that the 132kV transmission line conductor terminating at Udipur substation is HTLS ACCC drake. In this regard, please furnish the 220kV transmission line conductor details for Marsyangi & Khudi Double circuit lines also.	220 KV transmission lines from Markichowk and Khudi is of HTLS conductors.
130/254	Volume-2, Chapter-1, PSR, Page 24 of 32	Cl.no : 5.2 e	Both	As per referred clause, seismic requirement for proposed substation is 0.5g which is very Severe and much higher than the maximum critical value in IS:1893. We have considered that, bidders shall do civil & Structural design. Please confirm.	As per the provision of the Bidding documents
131/254	Volume-2, Chapter-1, PSR	Clause no-3.2.1.1.5(e) & Clause no-3.2.2.3 (e)	Both	As per referred clause, the fire resistant wall is in bidders scope. However in price schedule there is no separate item for the same. Kindly add an item for the same.	Fire resistance wall shall be RCC type and payment for the same shall be provided from respective item of BPS.
132/254	Volume-2, Chapter-1, PSR	Annexure-VIII Page 56 Clause 12.16	Udipur	Please confirm each 33kV bay shall configure one energy meter? Is there any bay shall configure double energy meter?	As per the provision of the bidding document
133/254	Volume-2, Chapter-1, PSR	LIST OF PREFERRED (SHORTLISTED) MAKE	Both	Please confirm OLTC device can only be from MR Germany or ABB Sweden.	As per the provision of the Bidding document.
134/254	Volume-2, Chapter-1, PSR	Annexure-1	Both	We noted that under these clauses some items mentioned the equivalent, but only item V not mentioned. ABB and many equivalent companies also have branches in China. Pls confirm whether ABB China and other equivalent brands in China are acceptable.	As per the provision of the Bidding document



Clarification-I

S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
135/254	Volume-2, Chapter-1, PSR	CHAPTER 1 Page No.-23 3.2.2.2-e For 220 kV Marsyangdi (Markichowk) Double circuit lines & New Butwal Double circuit lines, DPCs matching with other end are included in other contract. Matching DPCs for Hetauda and Damauli ends have been included in current scope of work.	Both	Please confirm Matching DPCs for 220kV spare lines bay with other end is necessary.	Please quote as per PSR, BPS and bidding document.
136/254	Volume-2, Chapter-1, PSR	Clause 3.2.2.2 (d)	Bharatpur	There is no SAS in the existing 132kV substation and it requires that SAS panels shall be placed in existing control room. Please provide arrangement drawing of existing control room to make sure there is enough space to place SAS panels. And what is the protocol in existing substation? Do we need to replace the existing protection device? Please clarify.	As per Clause-12.1 of Section PSR, the Bidders are advised to visit Sub-stations site and acquaint themselves with existing facilities, infrastructure, etc.
137/254	Volume-2, Chapter-1, PSR	Clause 3.2.2.2 (i)	Udipur	Please confirm the scheme of the future LT transformer.	As per the provision of the Bidding document
138/254	Volume-2, Chapter-1, PSR	Clause 12.4	Both	LDC facilities: Siemens Germany The details of Data acquisition principles (types of analogue /digital data) for control, monitoring of substation is enclosed at Annexure V. The existing communication protocol used for SCADA at LDC Kathmandu is IEC 101. For the present scope of work, RTU are not envisaged and the Data for SCADA purpose shall be obtained from the Substation Automation System (based on IEC 61850) using Gateway port with communication protocol IEC 101/104 as per requirement being provided at Two substations (i.e. substations (i.e. Udipur substation & Bharatpur Substation)) under present contract. We understand that, bidder scope is to provide necessary data through SAS gateways at Bharatpur & Udipur. However integration works in LDC facilities of siemens germany make is not in the bidder's scope. Please confirm.	Bidder is to quote as per the provision of the document

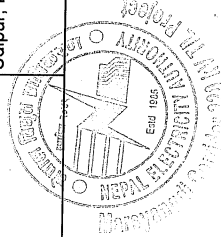


Project Manager

Marsyangdi Corridor 220 kV Transmission Line Project

Clarification-I

S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
139/254	Volume-2, Chapter-1, PSR	Clause 12.5	Both	We understand that the bidder's scope is limited to the configuration of the offered new SDH Equipment's at Udipur & Bharatpur substations. Necessary configuration & provision of Spare Slots/Cards, optical interfaces for interfacing/integration with new proposed SDH Equipment's is excluded from the bidder's scope. Also configuration of the existing communication backbone network is in scope of NEA. Please confirm our understanding.	Bidder is to quote as per the provision of the document
140/254	Volume-2, Chapter-1, PSR	Clause 3.1.2 A.i) & 3.1.2 B.i) & 3.1.3A.i) Cl.3.2.1.1.4.g) Volume-3, SNO. I-A, Udipur, I.1 & 1.2	Udipur	As per SLD, 4 Nos. 220kV Line Bays & 7 Nos. 132kV Line Bays are in Udipur S/S. As per BPS SDH Equipment is to be offered only at Udipur S/S & SDH equipment at remote ends are existing and hence excluded from the bidder's scope. Please provide details of following related to connected stations/links: a) Line Lengths for connecting 220kV & 132kV S/S's. b) We understand that the SDH Equipment's at remote ends are existing. Please provide make/model & STM Level of remote end existing SDH equipment's. c) Considered Optical Interfaces in BPS are for Udipur S/S only. No optical interfaces are considered for remote end SDH Equipment's. d) M/s NEA will arrange for configuration of existing SDH Equipment's at remote ends for interfacing with new proposed SDH Equipment at Udipur substation.	a, b, c) Same shall be provided during detail engineering d) Bidder is to quote as per the provision of the Bidding document
141/254	Volume-2, Chapter-1, PSR	Clause 3.1.2 A.i) & 3.1.2 B.i) & 3.1.3A.i) Cl.3.2.1.1.4.g) Volume-3, SNO. I-A, Bharatpur, I.1 & O.1	Bharatpur	As per SLD 10 Nos. 220kV Line Bays & 7 No. 132kV Line Bays are therefrom Bharatpur S/S. As per BPS SDH Equipment is to be offered only for Bharatpur S/S. Please provide details of following related to connected stations/links: a) Line Lengths for connecting 220kV & 132kV S/S's. b) Make/model & STM Level of remote end existing SDH equipment's. c) Considered Optical Interfaces in BPS are for Bharatpur S/S only. No optical interfaces are considered for remote end SDH Equipment's. d) M/s NEA will arrange for configuration of existing SDH Equipment's at remote ends for interfacing with new proposed SDH Equipment at Udipur substation.	a, b, c) Same shall be provided during detail engineering d) Bidder is to quote as per the provision of the Bidding document
142/254	Volume-2, Chapter-1, PSR	Clause 3.1.2 A.i) & 3.1.2 B.i) & 3.1.3A.i) Cl.3.2.1.1.4.g) Volume-III, SNO. I-A, Udipur, I.1 & 1.2	Udipur	We understand that the DPC is to be supplied only for 132kV Links only. Please confirm our understanding.	Bidder is to quote as per BPS.

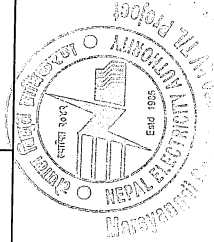


Project Manager

Corridor 220 kV Transmission Line Project

Clarification-I

S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
143/254	Volume-2, Chapter-1, PSR	Clause 3.1.3 (B)	Bharatpur	132kV existing switchyard scheme will be double main bus (DM) in the single line drawing & electrical layout drawing Please confirm the wiring scheme of 132kV existing switchyard	As per Clause-12.1 of Section PSR, the Bidders are advised to visit Sub-stations site and acquaint themselves with existing facilities.
144/254	Volume-2, Chapter-1, PSR	Clause 3.2.2.2	Bharatpur	(d) For 220/132/33kV GIS, Sub-station automation system including hardware and software for local as well as remote control station along with associated equipment's for following bays (bay as defined in Technical Specification, Section- Substation Automation). BCU FOR 245KV- 13 NUMBER BAYS, 132KV- 9 NUMBER BAYS, 1 SET FOR 220/132/33KV SUBSTATION AUXILIARY SYSTEM The existing 132 kV Substation at Bharatpur is conventional type (Without substation automation). All the control activities for existing substation is to be done from the exiting Control room. For Substation automation for existing 132 kV bays including necessary BCU, hardware, software and their integration is under present scope of work. Further, the automation system for 132 kV bays shall have provision for future integration of one number protection IEDs per feeder bays. We understand that the new SAS shall be considered for 13 no's of new 220kV bays, 9 no's of existing 132kV bays & 1 no of station aux. Please confirm.	Bidder is to quote as per the provision of the Bidding document.
145/254	Volume-2, Chapter-1, PSR	Clause 3.2.2.2	Bharatpur	The existing 132 kV Substation at Bharatpur is conventional type (Without substation automation). All the control activities for existing substation is to be done from the exiting Control room. For Substation automation for existing 132 kV bays including necessary BCU, hardware, software and their integration is under present scope of work. Further, the automation system for 132 kV bays shall have provision for future integration of one number protection IEDs per feeder bays. We understand that the New BCU's for existing 132kV bays shall be mounted in existing C&R panels & existing panels have sufficient space for mounting new BCU's. Please confirm.	In existing control room building required space of panels/ equipment is available. However Bidders are advise to visit the New Bharatpur substation.
146/254	Volume-2, Chapter-1, PSR	Clause 3.2.2.2	Bharatpur	The existing 132 kV Substation at Bharatpur is conventional type (Without substation automation). All the control activities for existing substation is to be done from the exiting Control room. For Substation automation for existing 132 kV bays including necessary BCU, hardware, software and their integration is under present scope of work. Further, the automation system for 132 kV bays shall have provision for future integration of one number protection IEDs per feeder bays. We understand that, SAS software shall have provision for future IED's integration. However SAS hardwares for future bays is not envisaged. Please confirm.	Bidders understanding is generally in order



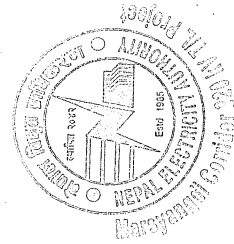
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Project Manager

Marsyangdi Corridor 220 kV Transmission Line Project

Clarification-I

S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
147/254	Volume-2, Chapter-1, PSR	Clause 3.2.2.2	Udipur	(f) Complete relay and protection system for 36kV bays as per Chapter-33kV & 11kV Indoor Switchgear (GIS Type). We understand that, 36kV BCPU shall be part of 36kV switchgear LV compartment. Hence separate C&R panels are not envisaged. Please confirm.	Based on standard practice of individual manufacturer, it may be in one panel or in separate panels. In case C&R items are mounted in separate panels, same may be kept in panel room
148/254	Volume-2, Chapter-1, PSR	Clause No. 12.5	Both	12.5 Augmentation and integration work related to Communication System The scope of work for supply, installation of Optical Line Termination Equipment, Digital Multiplexer, hardware accessories etc. at substations (i.e. Udipur substation & Bharatpur Substation), LDC Kathmandu and its integration work (at LDC Kathmandu) for onward transmission of Data and Voice communication up to LDC Kathmandu is included in the contract. One number PABX shall be supplied and commissioned at each new substation i.e. at Udipur & Bharatpur. The technical specification is enclosed at Annexure- IV. We understand that the bidder needs to consider Communication equipment's as per BPS. Please confirm.	Bidder is to quote as per BPS.
149/254	Volume-2, Chapter-1, PSR	clause no. 18.8 of Chapter 15 & Clause no. 3.2.1.1.4 (f) ; 3.2.2.2 (e)	Both	As per referred clause in Chapter 1 "The protection to be provided on 220kV Lines shall be as under; Main-I Protection shall be distance Protection Scheme as per specification Clause no. 18.8 of section control & Relay Panel. Main-II Protection shall be Line current differential protection." And in Chapter 15 "The following protections shall be provided for each of the Transmission lines: For 220kV Main-I: Numerical distance protection scheme Main-II: Numerical distance protection scheme of a make different from that of Main-I". The description about the type of 220kV line protection are inconsistent in the document. Please clarify the type of line protection device.	Bidder is to quote as per Chapter-1, PSR
150/254	Volume-2, Chapter-1, PSR	Volume II Chapter 1- Project Specification Requirement Drawing List Page No.-35	Both	The communication part of the project shall provide the interconnection between all substations involved in the Project. We request NEA to provide Communication Network Diagram as per project requirement enabling all bidders to quote equipment as per network diagram with line lengths for all 230kv/132kv links for proposed optical connectivity under this project.	Same shall be provided during the detail engineering.



Marsyangdi Corridor 220 kV Transmission Line Project

Clarification-I

S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
151/254	Volume-2, Chapter-1, PSR		Both	Bidder understand that the Allowances @ USD 300 per day per trainee for the duration of training abroad towards meals, airfares and accommodation only for NEA Trainees need to be consider on training charges for training period only. Request you to correct our understanding.	As per provision of Bidding Documents.
152/254	Volume-2, Chapter-1, PSR	3.2.1.1.5 - Civil works	Udipur	As per referred clause, GIS Building, control cum administrative building, transit camp, Quarters buildings, Car parking shed, Store room, security room, Gym, community hall, Valley ball & Badminton court shall be in bidders scope. However in the furnished layout drawing only GIS building, control building & FFPH location indicated. Please furnish the layout drawing indicating the location of above building along with substation boundary dimension, in order to check the adequacy of allotted plot area.	The same shall be finalized during the detail engineering.
153/254	Volume-2, Chapter-1, PSR & Chapter 15, Control and Relay		Both	Please confirm & quantify the scope of Line Differential relay in both the substation at local end as well as at the remote end substation. In case if relay to be matched with the existing relays please provide the details for the same.	Bidder is to quote as per BPS.
154/254	Volume-2, Chapter-1, PSR & Chapter 15, Control and Relay Panels		Both	As per specification accuracy class of revenue meter is mentioned as 0.1. Bidder requests to confirm accuracy class as 0.2 also.	As per the provision of the Bidding documents
155/254	Volume-2, Chapter-13, Structure	Cl.no : 10	Both	We presume that, the galvanization thickness for steel structures is 610g/sq.m for all proposed substations. Please confirm.	As per the provision of the Bidding documents
156/254	Volume-2, Chapter-14 Civil Works	Clause 15	Both	The bid price schedule (BPS) in Volume III of Tender documents does not mention a line item for auxiliary building. Therefore bidder understands the construction of auxiliary building is not a part of the scope of works of this contract.	Bidder is to quote as per BPS.

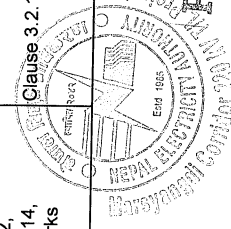


Project Manager

Syangdi Corridor 220 kV Transmission Line Project

Clarification-I

S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
157/254	Volume-2, Chapter-14, Civil Works	Clause 17	Udipur	The bidder understands that Panel rooms are adjacent to GIS Buildings and hence the panel rooms shall be pre-engineered structures similar to the GIS buildings. Whereas Clause 17 of Chapter 14: Civil Works, Volume II mentions that the panel rooms shall be made of RCC. Please clarify if panel room shall be made of RCC or shall be a pre-engineered building as per Clause 21, Chapter 14: Civil Works, Volume II of tender documents. The bidder also requests NEA to provide the plan and section drawings of the panel rooms.	Bidder is to quote as per the BPS and provision of the Bidding document
158/254	Volume-2, Chapter-14, Civil Works	Clause 22	Both	Plan dimensions and number of storeys have been provided for a) Transit Camp a) Quarters b) Township buildings c) Community hall and Gym d) Parking shed But the specifications do not mention the clear height of these structures. Therefore the bidder requests NEA to provide the plan and section drawings of the same.	The same shall be finalized during the detail engineering.
159/254	Volume-2, Chapter-14, Civil Works	Clause 3.2.1.1.5	Both	The bidder understands that tender drawings provided in Volume II, Part 3/3 of Tender Documents that show roads, drain, cable trench, Fire fighting pump house, Tower and equipment foundations, store, water tank, Control room etc. shall be followed as it is for tender purpose. Same need not to be designed individually by the bidder. Please confirm.	The same shall be finalized during the detail engineering.
160/254	Volume-2, Chapter-14, Civil Works	Clause 3.2.1.1.5 (i) page 18/814	Both	As per Clause 3.2.1.1.5(i), the Approach road is Bituminous type but the same item is not selected in the Volume III price schedule. 1. It is requested to add the bituminous type road in the price schedule. 2. Also please provide the drawing of approach road with flexible pavement.	As the substation is connected to the existing highway, there is no need of the approach road
161/254	Volume-2, Chapter-14, Civil Works	Clause 3.2.1.1.5-a	Both	The plan and section drawings for GIS buildings are not available in Part3/3 of Volume II of Tender Documents. Bidder requests NEA to provide the plan and section drawings for GIS Buildings.	The same shall be finalized during the detail engineering.
162/254	Volume-2, Chapter-14, Civil Works	Clause 3.2.1.1.5-k	Both	The plan and section drawings for Control room cum administrative building are not available in Part3/3 of Volume II of Tender Documents. Bidder requests NEA to provide the plan and section drawings for Control room cum administrative building.	The same shall be finalized during the detail engineering.
163/254	Volume-2, Chapter-14, Civil Works	Clause 3.2.1.1.5-q	Both	Bidder requests NEA to provide the contour map and proposed Finished ground level to ascertain the actual quantity of land development.	It's under contractor's scope.

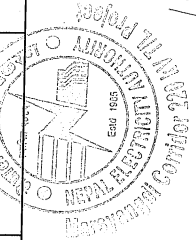


Marsyangdi Corridor 220 kV Transmission Line Project

Project Manager

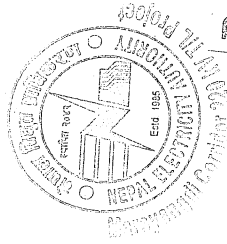
Clarification-I

S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
164/254	Volume-2, Chapter-14, Civil Works	Clause No. 11- 8)	Both	Bidder understands that Pile foundations are not required for this job. In case same is required, separate line item for same shall be made and rates shall be decided mutually. Bidder shall be compensated commercially and timely.	Bidder is to quote as per the provision of the Bidding document
165/254	Volume-2, Chapter-14, Civil Works	General	Both	Line Item for Rain Water Harvesting is not provided in the BPS for Udipur. If the same is in bidder's present scope, then request you to amend the price schedule accordingly.	Bidder is to quote as per BPS and PSR
166/254	Volume-2, Chapter-14, Civil works	Clause 8	Both	Each oil collection pit shall be drained towards a sump pit within the collection pit whose role is to drain water and oil due to leakage within the collection pit so that collection pit remains dry." Does "a sump pit" mean accident oil-water separation pool?	Bidder is to quote as per the provision of the Bidding document.
167/254	Volume-2, Chapter-14, Civil works	Clause 8	Both	Each oil collection pit shall be drained towards a sump pit within the collection pit whose role is to drain water and oil due to leakage within the collection pit so that collection pit remains dry." How much transformer oil can the sump pit hold? please provide a percentage data	Bidder is to quote as per the provision of the Bidding document.
168/254	Volume-2, Chapter-14, Civil works	Page 25 of 74 PLUMBING & SANITATION	Both	"However, a minimum of 2 nos. 1500 liter capacity shall be provided." whether allow to set just one roof water tank?	Same shall be decided during detail engineering
169/254	Volume-2, Chapter-14, Civil works	Page 61 of 74, Security Room	Both	"All sanitary works and a PVC water tank of 1000 liter capacity shall also be provided." Can Security Room is not set up roof water tank separately? Water supply comes from roof water tank on the control building.	As per the provision of the bidding document
170/254	Volume-2, Chapter-14, Civil works	Page 61 of 74, Security Room	Both	Can Security Room is not set up septic tank and soak pit separately? Sewage from the Security Room discharge into the station septic tank and soak pit.	As per the provision of the bidding document
171/254	Volume-2, Chapter-14, Civil Works & Schedule 4(a)	Page 15 of 32, Civil Works, Item No.11-ii)	Both	The bidder understands that the quantities of excavation PCC, RCC, reinforcement steel, structural steel, internal cable trenches required for the building shall be considered in the 220kV GIS Hall line item as mentioned in the bid price schedule (rates included in units of Sq.m).	Bidders understanding is generally in order.



Clarification-I

S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
172/254	Volume-2, Chapter-15, SAS	Clause no. 28.1	Both	Please confirm: the fault recorder function as in-built feature of line distance relay is accept or not.	As per the provision of the Bidding document
173/254	Volume-2, Chapter-15, C & R Panel	Clause No. 18, Page no. 13 of 40, Transmission Line Protection	Both	We shall propose Main I and Main II of same make with Different Platforms of working.	Bidder is to quote as per the provision of the Bidding document.
174/254	Volume-2, Chapter-15, C&R Panel	Page 458 26.2.p	Both	As per referred clause "In case of distributed Bus bar Protection, the bay units for future bays may be installed in a separate panel and the same shall be located in switchyard panel room where bus bar protection panel shall be installed". Is it necessary to provide busbar protection for future bay if decentralized busbar protection device is used. And please confirm whether centralized busbar protection device is acceptable.	Bidder is to quote as per the provision of the Bidding document.
175/254	Volume-2, Chapter-17, SAS	Clause 12.4, Page No: 27 of 32	Both	We understand that the Data is to be provided till the Scada System gateway on IEC104 Protocol at substation end only. Integration with Siemens Sinaut Spectrum is not under bidder's scope.	Bidder is to quote as per the provision of the Bidding document.
176/254	Volume-2, Chapter-17, SAS	Clause 12.24, Page No: 31 of 32	Both	In the Sub-station automation system, each gas tight compartments of 220kV GIS shall be monitored individually per phase basis. In case it is not possible to monitor the gas tight compartment individually in one BCU, the contractor shall supply additional BCU for the monitoring without any additional cost implication to NEA.	Bidder is required to comply requirement mentioned in bidding documents.
177/254	Volume-2, Chapter-17, SAS	Clause 8.0	Both	As per referred clause "2No.s of Inverter of minimum 2KVA capacity shall be provided for servers", however there is no item for UPS in BPS, please include in BPS.	Same shall be included in the price of SAS panel etc. Separate item in BPS shall not be provided
178/254	Volume-2, Chapter-17, SAS	Page 11 of 32	Both	As per Volume-II, Chapter 15, Control and Relay Panels, In Relay Specification Page No. 13 of 40, For 220KV following schemes are mentioned: Main-I: Numerical distance protection scheme. Main-II: Numerical distance protection scheme of a make different from that of Main - I. Please confirm whether we need to Consider Main 1& 2 as Distance or Main 1 as distance and Main 2 as Differential.	Bidder is to quote as per PSR.

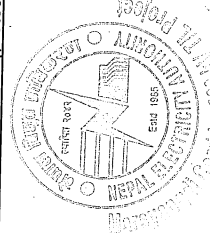


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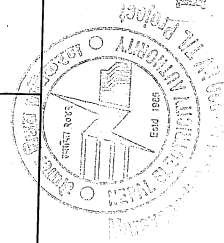
S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
179/254	Volume-2, Chapter-17, SAS	Page 19 of 32	Both	For 220 kV Marsyangi (Markichowk) Double circuit lines, line current differential relay matching with other end are included in other contract. Further for 220 kV Damauli Double circuit lines, matching differential relays of other end are included in current scope of work. For Damauli - We shall Supply only LDR, Integration of LDR with Existing Busbar and SAS is not considered in scope. Please confirm the Main II Relay for Hetauda and New Butwal Line - Do we need consider Remote end Line Differential relay in scope.	Bidder is to quote as per BPS.
180/254	Volume-2, Chapter-17, SAS		Both	Please clarify the HMI requirement for both substations (Udipur and Bharatpur).	As per the provision of the Bidding document
181/254	Volume-2, Chapter-2, GTR	Clause 4.6.1, Page 3 of 39, System Parameters - Altitude level	Both	The specification states that "The above parameters are applicable for installations up to an altitude of 1000m above mean sea level. For altitude exceeding 1000m, necessary altitude correction factor shall be applicable ". Kindly provide exact altitude level to be considered for Bharatpur substation.	Altitude of Both the substation is below 1000 meter. Hence, altitude correction factor shall not be applicable.
182/254	Volume-2, Chapter-20, Transformer	Clause 6.2 sn. 1.15	Both	It should be a mistake, here will be YND11 or blance winding.	As per the provision of the Bidding document.
183/254	Volume-2, Chapter-21, GIS	Clause-14, LCC	Both	Please confirm whether integral LCC is acceptable for 220kV & 132kV GIS.	Bidder is to quote as per provision of bidding documents.
184/254	Volume-2, Chapter-21, GIS	Clause 2	Both	The reference IEC standards for Designing, manufacturing, assembly and testing of metal-enclosed gas-insulated switchgear have been revised as per below IEC Reference Numbers: IEC 61869-2 Current transformers IEC 61869-3 Voltage transformers Bidder Requests to confirm for acceptance of above reference standards.	As per the provision of the Bidding documents
185/254	Volume-2, Chapter-21, GIS	Volume II / Chapter 21 / Page 20 OF 48 / Cl 9.2.5(d) 220kV & 132kV GIS - VT secondary protection	Udipur	In the specification - MCB and Fuse both type of protection is requested for VT secondary. Kindly confirm the requirement MCB or Fuse?	As per the provision of the Bidding document.



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S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
186/254	Volume-2, Chapter-21, GIS	Annexure-3, Table 3A	Both	We have considered the CT parameters as per Annexure-3, Table 3A of GIS specification. Further referring to SLD CIENGG-SS/NEA/UDIPUR-GIS /SLD/01 we understand that CT's can be placed after the circuit breaker as per OEM type tested design of GIS.	As per the provision of the Bidding documents
187/254	Volume-2, Chapter-21, GIS	Clause 4.3	Both	Clause 1.2, Chapter 21, Volume II of Tender Document states the following: All parts of the switchgear and the bus ducts (for both indoor and outdoor applications) shall be single phase/three phase enclosed for 220kV and three phase enclosed for 132 KV. The bidder understands that Clause 1.2, Chapter 21, Volume II of Tender Document superseeds Clause 4.3, Chapter 21, Volume II of Tender Document. Please Confirm.	Bidder is to quote as per the PSR
188/254	Volume-2, Chapter-21, GIS	Clause 4.4	Both	Due to safety requirement 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. The bidder understands that the switchgear should be designed such that it is expected to perform its intended and switching duty at rated gas pressure. However, the same switchgear is expected to perform only the intended duty at reduced pressure. Please confirm if the bidder's understanding is correct. The bus enclosure should be sectionalized in a manner that maintenance work on any bus Disconnector (When bus and bus Disconnector are enclosed in a single enclosure) can be carried out by isolating and evacuating the small effected section and not the entire bus. The bidder understands that bus bar sectionalisation (as barriers in the bus bar section) is required only when the bus bar and bus bar Disconnector are in the same gas compartment.	Bidder is to quote as per the Bidding document.
189/254	Volume-2, Chapter-21, GIS	Clause 4.4	Both	Please confirm the bidder's understanding. The design of 220/132 KV GIS shall be such that in case a circuit breaker module of a feeder is removed for maintenance, both busbars shall remain in service. As per the Clause 4.2, Chapter 21, Volume II of Tender Document, the bidder understands that maintenance on one feeder is allowed to be performed keeping other unaffected feeders in service and that this can be achieved keeping one of the busbars available at any point of time. Thus, the bidder understands that both bus bars need not be in service when the circuit breaker module of any one of the feeders is removed for maintenance.	Bidder is to quote as per the Bidding document.
190/254	Volume-2, Chapter-21, GIS	Clause 4.4	Both	The bidder requests NEA to accept this design.	As per the provision of the Bidding document.

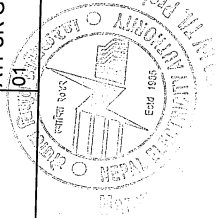


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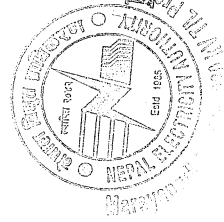
S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
191/254	Volume-2, Chapter-21, GIS	Clause 7.2	Both	Bidder understands that both mechanical and electrical interlocks can be provided where the disconnectors and safety grounding switches are designed to be in the same compartment. Where the disconnectors and safety grounding switches are separate modules, fail safe electrical interlocks shall be provided. Please confirm.	As per the provision of the bidding document
192/254	Volume-2, Chapter-21, GIS	Clause 9.2.1, Page 20 OF 48	Both	Specification makes reference to annexure -4 and Table 4A for VT rating, ratio, accuracy class & connection. This referred annexure and Tables are not found in the bid specification. Kindly provide same.	For the rating, ratio, accuracy etc, please also refer Volume-2, Chapter-3.
193/254	Volume-2, Chapter-21, GIS	Clause 9.2.5 (d), Page 20 OF 48	Both	In the specification - MCB and Fuse both type of protection is requested for VT secondary. Kindly confirm the requirement MCB or Fuse?	As per the provision of the Bidding document
194/254	Volume-2, Chapter-22, 33 kV GIS	Cl.3.2.1.1.3 & 4.6.1, 36kV Indoor Switchgear (GIS Type) and System parameter	Udipur	As per the referred clause, the busbar short time rating is 25KA for 3 sec. But as per Chapter-1, cl. 5.3 in technical specification, the fault level of the 33kV system is given as 31.5kA for 3sec. Kindly clarify and also provide the busbar rating in the single line diagram.	Bidder is to quote as per PSR.
195/254	Volume-2, Chapter-5,	Page 191	Both	Battery sizing calculations shall be done as per IEEE- 485 on the basis of following duty cycle. Please confirm duration of continuous in accident discharge is 3 hours and the final voltage is 1.85V.	As per the provision of the bidding document
196/254	Volume-2, Chapter-8, Fire Protection System	Volume II, Chapter 8, Cl no: 1.5, pg 1 of 44, Piping and Instrument design for Hydrant and HVV spray system	Udipur	Specification refers an appendix-I regarding piping and instruments diagram for Hydrant and HVV spray system for 400kV switchyard. at appendix-I. Please note same is not available in the Bid Documents. Kindly provide appendix-I.	Hydrant and HVV spray system drawing in the Bid document is for reference purpose. Detail design of the same is in contractor's scope of work.
197/254	Volume-2, Drawing	Layout of 220/132kV Udipur GIS SS, DWG no. C/ENG/NEPAL/UDIPUR R GIS/ LAYOUT/ 01 & Layout of 220/132kV Bharatpur GIS SS, DWG no. C/ENG/NEPAL/BHAR ATPUR GIS/ LAYOUT/ 01	Both	We presume that the Road Route as indicated in the substation layout is only tentative and the same can be changed according to the Layout requirements by Bidder. Please confirm.	The same shall be finalized during the detail engineering.



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S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
198/254	Volume-2, Drawing, Layout	220/132 BHARATPUR GIS SUBSTATION, ELECTRICAL LAYOUT DRAWING DWG. NO. C/ENG/NEPAL/BHARATPUR GIS/LAYOUT/01, REV 00	Both	As per BPS and Single line diagram a total of 10 no. line bays and 2 nos. ICT bay are in scope for 132kV GIS system. However, as per layout 8 nos. gantry beam for 8 no's, line bay are in present scope and two nos. (Future-I&II) are not in present scope of work. Please confirm.	Bidder is to quote as per BPS.
199/254	Volume-2, Drawing, Layout	220/132 BHARATPUR GIS SUBSTATION, ELECTRICAL LAYOUT DRAWING DWG. NO. C/ENG/NEPAL/BHARATPUR GIS/LAYOUT/01, REV 00	Bharatpur	We understand that the 132kV Main Bus is existing at 132kV existing substation. Please confirm.	Bidder's understanding is generally in order.
200/254	Volume-2, Drawing, Layout	220/132 BHARATPUR GIS SUBSTATION, ELECTRICAL LAYOUT DRAWING DWG. NO. C/ENG/NEPAL/BHARATPUR GIS/LAYOUT/01, REV 00	Both	In the layout, line conductor from line gantry to line take off tower is shown. We understand that these line work along with line side insulator and string hardware are not in bidder's scope. Please confirm.	Bidder's understanding is generally in order.
201/254	Volume-2, Drawing, Layout	220/132/33kV UDIPUR GIS SUBSTATION, LAYOUT DRAWING, DWG. NO. C/ENG-SS/NEA/UDIPUR- GIS/LAY/01, Rev 00	Udipur	As per the layout, 6 no. transmission line bays are shown. However as per section project we understand that only 4 nos. line bays are in the scope of the bidder. Further 220kV outdoor AIS equipment are to be considered for 4 nos. line bays and one no. ICT bay only. Please confirm.	Bidder is to quote as per BPS.
202/254	Volume-2, Drawing, Layout	220/132/33kV UDIPUR GIS SUBSTATION, LAYOUT DRAWING, DWG. NO. C/ENG-SS/NEA/UDIPUR- GIS/LAY/01, Rev 00	Udipur	We understand that the 2 no. gantries designated as 220kV Spare bay are not in the present scope of bidder and the supply, erection & associated civil works for these 2 gantries is excluded from the bidder's scope of work. Please confirm.	Bidder is to quote as per BPS.

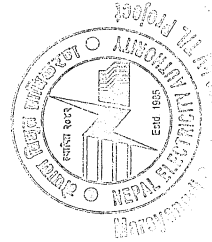


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S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
203/254	Volume-2, Drawing, Layout	220/132/33kV UDIPUR GIS SUBSTATION, LAYOUT DRAWING. DWG. NO. C/ENGG- SS/NEA/UDIPUR- GIS/LAY/01, Rev 00	Udipur	As per the Single Line Diagram there are a total no. of 7 line bays for 132kV GIS system. However the layout shows 9 nos. gantry set. We understand that gantry set for 7 nos. line bay is only in the bidder's scope. 2 nos. gantries for future are not in the present scope of the bidder. Further 132kV outdoor AIS equipment to be considered for 7 nos. line bays, 1 no. bay for 220KV/132KV ICT, 1 no. bay for 132/33KV ICT & 1 no. 132/33KV Auxiliary bus only. Please confirm.	Bidder is to quote as per BPS.
204/254	Volume-2, Drawing, Layout	220/132/33kV UDIPUR GIS SUBSTATION, LAYOUT DRAWING. DWG. NO. C/ENGG- SS/NEA/UDIPUR- GIS/LAY/01, Rev 00	Udipur	We understand that the 132kV ICT bay will be connected through IPS tube and all outgoing 132kV line feeder are envisaged with 132kV single core cable connection. Please confirm.	No, Bidders understanding is not correct. 132 kV ICT bay as well as line bay shall be connected through XLPE cable. Please refer PSR
205/254	Volume-2, Drawing, Layout		Udipur	UDIPUR GIS SUBSTATION: the boundary fence of substation was not marked in drawing, contractor consider the size?	Bidder is to quote as per the provision of the Bidding document. Mentioned drawings are for reference purpose only
206/254	Volume-2, Drawing, Layout		Both	Bidder understands that any type of works such as leveling works, road works, drainage works, graveling, PCC etc. for the future area shown in layout are not under present scope of works. Please confirm.	No, all civil works such as site leveling, road works, drainage, pcc etc for future are is also in the present scope of work.
207/254	Volume-2, Drawing, Layout		Both	Bidder understands that any type of works such as leveling works, road works, drainage works, graveling, PCC etc. for the future area shown in layout are not under present scope of works. Please confirm.	No, all civil works such as site leveling, road works, drainage, pcc etc for future are is also in the present scope of work.
208/254	Volume-2, Drawing, Layout for Udipur	Layout	Udipur	The referred Layout of Udipur Sub-station shows 1# outdoor gantry for a 220kV Spare line bay and 2# outdoor gantries for 132kV spare line bay in bold lines (i.e present scope). We presume our scope of work includes towers & gantries only for 4# 220kV lines (Marsyangdi 1,2 and Khudi 1,2) and 7# 132kV line bays. Please confirm our presumption.	Bidder's understanding is generally in order.
209/254	Volume-2, Drawing, SLD	220/132/33kV UDIPUR GIS SUBSTATION, SINGLE LINE DIAGRAM, DRAWING. DWG. NO. C/ENGG- SS/NEA/UDIPUR- GIS/SLD/01, Rev 00	Both	Future bays at 220kV GIS, 132kV GIS and 33kV GIS are shown as dotted lines. We understand that the unequipped space is to be provided in the respective GIS halls for future bays. Please confirm our understanding.	Bidder's understanding is generally in order.



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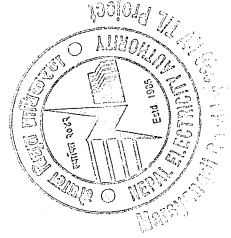
Clarification-I

S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
210/254	Volume-2, Drawing, SLD	Single Line Diagram, Doc no: C/Engg/NEA/UDIPUR/SLD01, 220kV Udipur Substation	Udipur	Referring to SLD, at 132kV side future transformer feeder (220 KV 220/132kv) is not shown in the Single line diagram. Please confirm and revise the Single Line Diagram	Bidder is to quote as per Volume-2, Chapter-1, PSR & Volume III, PSR
211/254	Volume-2, Drawing, SLD		Udipur	"SLD/220/132/33kV UDIPUR GIS SUBSTATION): the dashed line of ICT bay of "132/33 kV (3phase) Future" It should be 220/132kV ICT bay and the future 132 GIS ICT of 132/33kV 50 MVA Trans not visible.	Bidder is to quote as per Volume-2, Chapter-1, PSR & Volume III, PSR
212/254	Volume-2, Drawing, SLD of 220/132kV Bharatpur GIS SS	DWG no. C/ENG/NEPAL/BHARATPUR GIS/ SLD/ 01	Bharatpur	Kindly provide the continuous current rating & Short time rating of existing 132kV system.	Same shall be provide during detail engineering.
213/254	Volume-2, Drawing, SLD & Volume-3	BPS Page 6 H. 1 ii 33 kV system	Udipur	Switchgear of 33kV future transformer bay is in current scope of work, but we can not find protection or BCU device in BPS, please clarify whether we need to consider protection and BCU device of this future bay.	As per the provision of the bidding document
214/254	Volume-2, Drawings	General	Udipur	Drawing for Township Quarters i.e. B Type, C Type, D Type could not be found in the tender documents. Request you to provide the same.	The same shall be finalized during the detail engineering.
215/254	Volume-2, GTP		Both	Guarantee Technical Particulars (GTP) formats are not available in the tender documents for major equipment's (i.e. Circuit breaker, Isolator, LA, Instrument Transformer, Battery and Charger etc.) Kindly provide the same.	Technical Data Sheet to be filed by the Bidder is included in the Volume-II of the Bidding Document
216/254	Volume-2, Section-1, PSR	Annexure-VI, Specification for Revenue Meter & Metering (Instrument) Transformer	Both	As the Standard IEC 687 (latest edition) or Equivalent is applicable for Class 0.2s, 0.5s & above, therefore we understand that meters will be of 0.2s accuracy class. Please confirm.	As per the provision of the Bidding documents
217/254	Volume-3		Both	Kindly confirm the "Schedule no. 6 : Recommended Availability/Optional Spares Parts and recommended Test Equipment" shall not be considered for Bid Price Evaluation.	Bidders understanding is generally in order
218/254	Volume-3 Price Schedule 1 & 2		Both	Bidder requests to amend the price schedule with quantity of energy meters required as the price schedule does not contain energy/tariff meters line items.	Bidder is to quote as per PSR and provision of the Bidding Documents.

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S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
219/254	Volume-3 Price Schedule,	Part A, Item : G.1, i,ii,iii, iv	Udipur	As per the referred clause, we presume that testing and maintenance equipment quantity indicated as 1 set shall be considered as 1 No. common for all voltage levels.	Bidders understanding is generally in order.
220/254	Volume-3,	BPS	Both	No Line traps are found in the Bid price schedule. Please confirm whether PLCC is in the bidder's scope or not. Kindly confirm and provide the Line trap quantity if required to be provided by the bidder.	PLCC is not envisaged in the scope.
221/254	Volume-3,	BPS	Both	We understand that Capacitive Voltage Transformers are not envisaged for this tender package. However, details are available in specification. Please confirm the actual requirement & amend the price schedule if CVT's are required.	Bidder is to quote as per provision of Bidding Documents.
222/254	Volume-3, BPS	General	Both	There is no line item available for OLTC. Please check and include a separate line item for the same.	Separate item shall not be provide for OLTC. Same shall be included in the price of Transformer
223/254	Volume-3, Price Schedule	Part A, Item F.1.1.0 - b. iii) Current differential Relay for other end (Khudi) of line	Udipur	We envisage only loose supply of Current differential relays instead of Complete Line protection panel & its integration at remote end 220kV Khudi Double circuit lines. Please confirm. Please check and confirm	Bidders understanding is generally in order
224/254	Volume-3, Price Schedule	Part A, Item : H1, a. ii) Main bays to be automated for 33kV system	Udipur	We presume that the Bay control functions for 33/0.433kV station auxiliary transformer bay shall be included in the BCU for auxiliary systems. Hence, separate BCU for the above mentioned bay is not considered. Please confirm whether Bidder's understanding is correct.	Bidders understanding is generally in order
225/254	Volume-3, Price Schedule	Part A, Item C2	Udipur	We understand that the terminations indicated in the referred line item are outdoor terminations. In this regard, we request NEA to provide a separate line item for indoor GIS terminations as well. Please check and provide suitable amendments.	S.No. C2 of BPS, covers both indoor and outdoor termination quantity for 132 kV XLPE cable termination. Please refer specification
226/254	Volume-3, Price Schedule	Part A, Item D4 - 3, 36kV Horn gap fuse	Udipur	As per the referred clause, Horn gap fuse quantity is 2 Nos. As there is only one SEB supply, Horn gap fuse quantity shall be 1 No. instead of 2Nos. Please confirm.	Bidder is to quote as per provision of Bidding Documents.



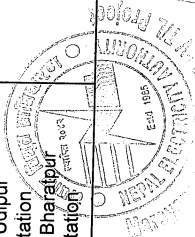
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S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
227/254	Volume-3, Price Schedule	Part A, Item. D4 - 2, 30kV Surge Arrester	Udipur	As per the scope of work, we interpret the 30kV Surge arrester quantity as follows: Line Bay - 18 Nos ICT Bay - 3 Nos LT Transformer Bay - 3 Nos. Total - 24 Nos. But as per the referred clause, the quantity is indicated as 39 Nos. Please check and confirm.	Bidder is to quote as per provision of Bidding Documents.
228/254	Volume-3, Price Schedule	Part B - Fire protection	Udipur	As per the referred clause, Hydrant system is provided for fire protection. But in the specification of transformer the details of NIPES is provided at Annexure-B. Kindly clarify the requirement of NIPES for this package.	Fire protection shall be hydrant system as specified in PSR, Clause 3.2.2.2 (h) & 3.2.1.1.4 (i) and Chapter 8 of Vol-2.
229/254	Volume-3, Price Schedule	Part-A, Item no. P - Telecom	Udipur	Please clarify the following with respect to Telecommunication system: a) Number of remote end stations b) Distance between each station and Udipur station	Same shall be provided during the detail engineering.
230/254	Volume-3, Price Schedule	Price Schedule No. 4.e. & 4.f, Type Test Charges	Both	As per the referred price schedule, Dynamic short circuit test is not indicated as a separate line item for 50MVA, 132/33kV transformer. But as per specification, Chapter-1, Clause-12.7, the employer intends to carry out Dynamic short circuit test for all ratings including 50MVA transformer. In this regard, please amend the schedules 4.e & 4.f by suitably including the line item for Dynamic short circuit test of 50MVA, 132/33kV transformer.	Bidder has to provide the valid type test report for 50MVA, 132/33kV transformer including DSC conducted at STL lab. However, if the manufacture does not have a valid type test including DSC, then the contractor / manufacture shall conduct type test including DSC in STL lab at its own cost.
231/254	Volume-3, Price Schedule		Both	There is no line item available for 220/132/33kV transformer 33kV bay(station transformer bay) protection and BCU device. Please check and include a separate line item for the same.	As per the provision of the Bidding document.
232/254	Volume-3, Price Schedule,	Part A, Sl. No. O	Bharatpur	Please clarify the following with respect to Telecommunication system: a) Number of remote end stations b) Distance between each station and Udipur station	Same shall be provided during the detail engineering.
233/254	Volume-3, Price Schedule, Schedule 1: Plant, and Mandatory spares parts supplied from abroad 1- A: Udipur Substation 1 - A Bharatpur Substation	Item no. O & N	Both	We trust that, the referred item of the supply schedule is inclusive of all structural steel required for towers, LMs, girders, equipment support structures etc. for 220kV, 132kV & 33kV. Kindly confirm.	Bidders understanding is generally in order.



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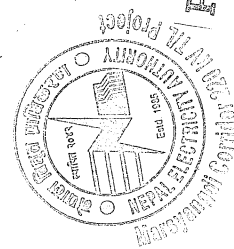
Clarification-I

S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
234/254	Volume-3, Schedule 1 & @	Part A, Item no J	Bharatpur	Is there DC power system in the existing 132kV substation? If new DC power system is provided in the current work, does the existing DC system still need to be retained? Please clarify.	Bidder is to quote as per the provision of bidding document
235/254	Volume-3, Schedule 1 & 4	Volume-III, Part A, S.No. I-A, Bharatpur H.1 & H.2 Volume-II, CL. 3.2.2.2.f)	Both	We understand that the Digital Protection is to be offered for 220kV Hetauda, Damauli D/C lines & 2 Nos. Spare Lines (future lines). DPC for 220kV Marsyangdi & New Butwal are covered under separate project scope. Please confirm.	Bidders understanding is generally in order.
236/254	Volume-3, Schedule 1	Part A, Item C2 & C3	Both	The connection between GIS & Transformer, BOQ said it was Power Cable but there also have BPI, if they were connected by cable, where is 245kV cable? If they were connected by tubular busbar, the cable is unnecessary, and same problem with GIS to 132/33 transformer, it can be connected by GIL directly, and the bidding drawing shown the scheme was GIL, not cable.	Connection between GIS and 220 kV side of 220/132/33 kV transformer is by GIS duct. However, the connection of 132 kV & 33 kV side is by cable.
237/254	Volume-3, Schedule 1, 2 & 4 (a)	Part B, Sl. No. A. c), For spare unit of 220/132/36kV transformer connection through auxiliary buses	Bharatpur	Please clarify the requirement of this line item as there is no spare transformer in this station.	Same has been deleted. Please refer Amendment-
238/254	Volume-3, Schedule- 4 e & f		Both	We request NEA to clarify whether all type tests will be conducted both on 220KV as well as 132KV GIS, since the specification does not call for the same. It may not be feasible to carry out the type tests on the GIS considering short duration of the project. We would request NEA to clarify whether type tests will be conducted or not since as per specification type test reports can also be submitted. Therefore please clarify whether type test charges are to be quoted by the bidder or not.	Bidder is to quote as per provision of Bidding Documents.
239/254	Volume-3, Schedule- 4 e & f		Both	Type test charges for other AIS equipment's are requested in the BPS, for which we can submit the reports as per specifications. NEA to clarify whether reports can be submitted or the price for the type tests of AIS equipment's is to be quoted as per BPS.	Bidder is to quote as per provision of Bidding Documents.
240/254	Volume-3, Schedule 4(a)	Part C, Item 11 for udipur SS Item 12 for Bharatpur SS	Both	The bidder understands that the quantities of excavation, PCC, RCC, reinforcement steel, structural steel, internal cable trenches required for the building shall be considered in the Pre-Engineered Building line item as mentioned in the bid price schedule (rates included in units of Sq.m).	Bidders understanding is generally in order. All civil works related to pre-engineered building including finishing shall be included in this item and shall be measured in square meter.
241/254	Volume-3, Schedule 4(a)	Part C, Item 11 for udipur SS Item 12 for Bharatpur SS	Both	Bidder understands that area mentioned in price schedule is tentative and is not the minimum area. And the dimensions will be based on actual technical requirements during execution. The payment shall be made as per actual executed area. Please confirm.	Bidders understanding is generally in order. Bidder is to quote as per provision of Bidding Documents.

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Clarification-I

S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
242/254	Volume-3, Schedule- 4e	Type test	Both	We understand that NEA reserves the right to carry out type test on the transformers. It may not be feasible to carry out the type tests on the transformer considering short duration of the project. We would request NEA to clarify whether type tests will be conducted on the transformer or not.	Bidder is to quote as per provision of Bidding Documents.
243/254	Volume-3, Schedule-1	Part A, Item J1 & J2	Bharatpur	Please note that 48V DCDB, Battery & Battery charger quantity is not listed in the Price schedule Kindly confirm the requirement and provide revised Price schedule.	Supply of 48 VDCDB is not in the present scope of work.
244/254	Volume-3, Schedule-1, 2 & 4 (a)	Part-A, Item B1- 1.08, 1.09	Both	We understand that the GIB length given in price schedule is the total length including indoor and outdoor GIB. Please confirm.	Bidder's understanding is generally in order.
245/254	Volume-3, Schedule-1, 2 & 4(a)	Part A, Item C1	Udipur	Please note that SF6/Air Bushing for Connecting GIS to AIS along with support structure quantity is missing in the Price Schedule. Please confirm whether the connection is done through SF6 Gas/Air bushing or by some other means.	GIS Cable termination is included in the bay module. So, Bidder is to quote as per BPS.
246/254	Volume-3, Schedule-1, 2 & 4(a)	Part-A, Item D4, 36kV Equipment's for LT Transformer.	Udipur	As the 33kV system is of indoor GIS type, please clarify the requirement of the items specified in D-4 (1 to 4). We presume that the above items are to be installed at the outgoing and Transformer feeders. Kindly confirm our understanding and also provide revised Layout (C/ENG-SS/NEA/UDIPUR-GIS /LAY/01)	Bidder is to quote as per the provision of the bidding document
247/254	Volume-3, Schedule-1,2 & 4	Surge Arrestor	Both	Please amend the Price schedule with correct quantity of 216kV and 120kV Surge Arrestors (AIS -Outdoor type) for Udipur substation.	Bidder is to quote as per BPS.
248/254	Volume-3, Schedule-4	General	Both	The bidder requests the customer to provide the maximum limits of the expected variation of quantities mentioned in the Bill of Quantities.	As per the provision of the Bidding documents



Handwritten signature/initials

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Clarification-I

S.N.	Document Reference	Clause No.	Substation	Bidders Request/ Queries	NEA Response
249/254	Volume-3, Schedule-4(b)	Training	Both	Training Days defined for 6 persons for 7 days of mentioned equipment's. we understand the trainings shall be combined for all mentioned equipment's for 6 persons within 7 days only at respective factory locations and separate trainee group shall get trained at respective equipment / location. OR Please provide separate training module of mentioned equipment's and define the nos. of trainees and period for applicable module for respective equipment's & Location Please correct our understanding and clarify. We understand that Trainings for Instrument Transformer, LA is not applicable because at present supplier is asking for details for training need/ module. Hence request you to provide the training module.	As per the provision of the Bidding documents.
250/254	Volume-1, Section-7, GCC	Clause 26.2	Both	Bidder request for confirmation that such liquidated damages would be levied on the contractor if the Contractor fails to attain completion of facilities or any part thereof within the Time of Completion for the reasons/delay caused by Contractors fault. Contractor shall not be charged liquidated damages for the reasons that are not attributable to him	As per the provision of the Bidding documents
251/254	Volume-1, Section-7, GCC	Clause 10.2	Both	We understand that in the event of delay in handover of Site and 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.	As per the provision of the Bidding documents
252/254	Schedule -1 & 2	Part A, item no. E1	Bharatpur	As per referred clause "Markichowk to Bharatpur 220 kV D/C line (without differential relay since the differential relays shall be provided by the MKTLP)". Does it mean we shall only provide one set distance protection device for this line, and the other protection device is provided by other project.	Supply of panel and its all components except differential relay is under the scope of this work. Differential relay required shall be provided by the project.
253/254	Volume-3, Price Schedule		Bharatpur	In Bharatpur substation 132KV system is existing, where requirement is supply of 9 No's of BCU for making automation substation. Please confirm and acceptance of mounted type BCU. Please clarify the control of respective bays will be from these BCU's or need to do wiring and testing for information signals only.	Automation of existing 132 kV system bays including supply installation the BCU, hardware, software etc is under the present scope of work.
254/254	Volume-2, Chapter-1, PSR	Clause 3.2.1.1.3, 36kV Indoor Switchgear (GIS Type)	Udipur	a) As per the referred clause, the incoming rating is 1200A but for the Bus sectionalizer rating is 2500A. As the incoming & Bus-sectionalizer ratings are generally same, please check and clarify the actual current rating to be followed b) Also, Please indicate the current rating of 33k GIS busbar	Busbar rating is same as of the bus sectionalizer.



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