

Nepal Electricity Authority
Project Management Directorate
Khimti-Barhabise-Lapsipedi 400 kV Substation Project

OCB No.: PMD/PTDSSP/KBL-75/76-01” Design, Supply, Installation and Commissioning of 400 kV Gas Insulated Substations (GIS) at New Khimti, Barhabise and Lapsipedi”

Clarification No.2				
S.N.	Clause Reference	Text as per bid document	Queries by Bidder	NEA Response
1	400kV Barhabise GIS Substation, Revised Bid Price schedule sl.no. R.1.1		As per referred BPS Line Item,220kV EHV Cable of 2.4km are mentioned in our scope of supply. However we presume that same shall be used for Trafo Connection as well as re-routing of 220kV OH Line and quantity shall be paid as unit rate basis based on actual length.	Bidder understanding is generally in order
2	400kV New Khimti GIS Substation 400kV Barhabise GIS Substation 400kV Lapsipedi GIS Substation Revised Bid Price schedule sl.no. Q.1.1, R.1.1, Q 1.1		As per referred BPS Line Item,220kV EHV Cable only mentioned in our scope of supply. However, please confirm the type of bonding and there is no line item for sheath bonding cable in BPS. Hence we request you to add separate line item for Sheath bonding cable in BPS	shall be as per the provision of the Bidding documents
3	400kV New Khimti GIS Substation 400kV Barhabise GIS Substation 400kV Lapsipedi GIS Substation Revised Bid Price schedule sl.no. Q.1.1, R.1.1, Q 1.1		As per referred BPS Line Item,220kV grade 1core, 1200 sqmm , XLPE insulated copper cable as per technical specification. However, in Chapter 08 - EHV XLPE Power Cable, there is no system fault level has mentioned for 220kV Cable. Hence we presume that, STC of 40kA/ 1 Sec shall be consider for 220kV EHV Cable inline with 220kV GIL. Please confirm.	shall be as per the provision of the Bidding documents
4	General Cable Sealing		As there is no specific requirement for Multi-diameter type flexible modular based sealing blocks for Cable sealing, we are not envisaging the same in our scope of supply. Please confirm.	shall be as per the provision of the Bidding documents
5	Chapter 1 –Project Specific Requirement		Please furnish the following details for the proposed New Khimti,Barhabise & Lapsipedi Substation:- 1. FGL of the proposed substation. 2. Soil investigation report. 3. High Flood Level. 4. Plot co-ordinates.	1. FGL shall be finalized during detail engineering 2. Soil investigation report is in the scope of the Contractor. 3. HFL shall be finalized during detail engineering. 4. Detail survey is in the scope of the Contractor.
6	Chapter 1 –Project Specific Requirement		As per referred clause, it states that "The scope of any necessary modification/ extension/improvement to existing road, bridges, culverts etc. shall be included in the scope". However, there is no separate item for the same in the BPS. Kindly add item for modification/extenison/improvement works for existing road, bridges, culverts etc. if envisaged.	shall be as per the provision of the Bidding documents
7	Chapter 1 –Project Specific Requirement Clause no-4.1		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 with the same condition. Please confirm.	shall be as per the provision of the Bidding documents
8	Price Schedule Schedule No. 4 (a): Installation and construction charges		As per Installation schedule, we presume that the pile foundation is not envisaged for the proposed Substations since the same is not included in the price schedule. However, if required, we trust the same shall be paid as an additional item with mutually agreed rate. Please confirm.	Bidder is to quote as per the provision of Bidding document



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9	Chapter 15 –Structure Cl.no : 10		We presume that, the galvanisation thickness for steel structures is 610g/sq.m for all proposed substations. Please confirm.	shall be as per the provision of the Bidding documents
10	Chapter 1 –Project Specific Requirement Clause no-1.5.1 C.1 (e), Clause no-1.5.2 C.1 (e), Clause no-1.5.3 C.1 (e)		As per referred clause, the fire resistant wall is in bidders scope. We understand that the civil works required such as excavation, PCC, RCC, reinforcement etc. shall be payable in the respective unit rate items of the BPS. However there is no separate item for the finishing works required 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 unit rate items of BPS.
11	Chapter 1 –Project Specific Requirement Clause no-1.5.1 C.1 (n), Clause no-1.5.2 C.1 (n), Clause no-1.5.3 C.1 (n)		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.
12	Chapter 1 –Project Specific Requirement Clause no-1.5.1 (A) 12, Clause no-1.5.2 (A) 13, Clause no-1.5.3 (A) 12 & Mode of measurement		As per referred clause, we understand that buried cable trench is included in bidder's scope. However, there is no separate item for the same in the Installation schedule. Kindly include an item for buried cable trench in the BPS.	civil works required for cable trench shall be payable under unit rate items in the BPS.
13	Switchyard drawings & Price Schedule No. 4 (a): Installation and Other services Drawing nos: 1. NEW KHIMTI-GIS-LAYOUT-02(B) 2. BARHABISE-GIS-LAYOUT-2(B) 3. LAPSIPHEDI-GIS-LAYOUT-2(B)		As per referred drawings, we understand that ACDB room, Battery room and Toilet attached with the GIS Building are included in bidder's scope. However, as per referred price schedule items, there is no separate item for the same. Hence, we trust that the afore mentioned rooms shall be included in the 400kV GIS building item in the price schedule. Kindly confirm our understanding.	ACDB room, Battery room and Toilet attached are the parts of GIS building. So bidder is advised to quote accordingly
14	Price schedule No.1 : Supply schedule Khimti- Item no. R. a,b,c & Barhabise- Item no. S. a,b,c & Lapsipedi- Item no. R. a,b,c		We trust that the quantity indicated in MT in the mentioned items of the BPS are inclusive of the structural steel required for 400kV, 72.5kV, 33kV equipment structures also. Kindly confirm our understanding.	Bidder is to quote as per provision of Bidding Documents.
400kV NEW KHIMTI GIS				
15	Drawings Drawing no. NEW KHIMTI-GIS-LAYOUT-02(A)		As per referred layout, we understand that there is a canal present near the 400kV present scope area. We trust that the diversion / re-routing of this canal is not in bidder's scope. Kindly confirm our understanding.	Please refer the Clarification no. 1, set 2, S.N. 46



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16	Chapter 1 –Project Specific Requirement (Revised wrt. Amendment 1), 1.4 scope - New Khimti Substation, 19- page no: 9.		As per referred clause,extension of main water header (available near existing Fire Fighting Pump House) The HVWS system shall be tapped from the Existing fire water system.Kindly share the existing over all hydrant / Hwvs piping layout for work out actual piping quantity Also confirm the existing fire water flow requirement & header line pressure @ 7kg/cm2 to full fill the requirement HVWS system for present scope transformer/Reactor.Please clarify?.	Shall be provided during Detail engineering.
17	400 kV(GIS)/220kV (GIS) New Khimti Substation ,O - b & c page 5 of 7		Kindly confirm type of FDA system (whether conventional or Addressable)	shall be as per the provision of the Bidding documents
18	400 kV(GIS)/220kV (GIS) New Khimti Substation,O- "d " page 5 of 7		in price schedule mentioned Hydrant system, complete U/G piping and accessories etc. from existing HVW/Fire Hydrant point from Fire Fighting Pump House. Please confirm the piping system single header line (combined piping system) or separate piping for hydrant and hwvs system. kindly clarify?.	shall be as per the provision of the Bidding documents
19	400 kV(GIS)/220kV (GIS) New Khimti Substation,P- "b " page 5 of 7		As per the referred clause price schedule mentioned only Ventilation system for GIS hall. Please clarify type of ventilation system and stand by requirement for fan for GIS hall and provide detailed specification for the same.	shall be as per the provision of the Bidding documents
20	Chapter 1 –Project Specific Requirement(Annexure-I),Mandatory Spares - S.N.9.0, Fire Fighting System: 9.1.5-		As per referred clause , mentioned mandatory spares for Electrical Control Panel:Annunciation printed circuits (solid state annunciations) in Control Panel . Accordingly whether we need to considered New Annunciation window panel for present scope of transformer/ reactor. please include the same in price schedule.	shall be as per the provision of the Bidding documents
21	Chapter 1 –Project Specific Requirement(Annexure-I),Mandatory Spares - S.N.9.0, Fire Fighting System: 9.1.5-		We presume that the existing Annunciation panel shall have sufficient spare of Annunciation window for proposed extension of transformer fire signal in control room building as well as FFPH.Kindly clarify.	Existing Annunciation panel designed to have sufficient at control room building as well as FFPH. However, same shall be finalized during detail engineering.
22	400 kV(GIS)/220kV (GIS) New Khimti Substation,P- "a " page 5 of 7		Kindly clarify, whether split AC should have hot & cool mode facility or only cooling mode also clarify the stand by requirement.	shall be as per the provision of the Bidding documents
23	Chapter 2 – General Technical Requirement 23.0 TECHNICAL REQUIREMENT OF EQUIPMENTS- 23.3 Fire Fighting System page : 37		As per referred clause mentioned Automatic hydrant type fire protection system. Hydrant system normally used to operate manual only and pumping the water to hydrant pipe due to pressure switch interface with pump panel and automatic operating pump . Kindly confirm.	shall be as per the provision of the Bidding documents
24	Chapter 2 – General Technical Requirement 23.0 TECHNICAL REQUIREMENT OF EQUIPMENTS- 23.3 Fire Fighting System page : 38		As per referred clause mentioned automatic medium velocity water spray type fire protection system We presume that, there is no cable cellar for subject tender. Hence MVWS system not applicable for subject tender. Please confirm.	shall be as per the provision of the Bidding documents
25	Chapter 5 – Auto Transformer ANNEXURE – K, Page 102.		As per referred clause spec. called for Nitrogen Injection Type Fire Prevention & Extinguishing System. But the same is not reflected in price schedule.Kindly confirm.	shall be as per the provision of the Bidding documents
26	Chapter 11 –Fire Protection System, Clause no : ,7.03.01 PAGE-21		As per the referred clause, all FPS pipe shall be MS black pipe as per ASTM A53 (medium grade) but ASTM A53 standard doesn't specify medium grade but it covers only schedule 40 & 80 pipes. Kindly clarify whether Pipes as per IS 1239 (medium grade) can be used.	shall be as per the provision of the Bidding documents



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27	Common		As per tender requirement , GIS main busing rated current (Amp) shall be 5000A. If the manufacturer's GIS function can meet you requirement but GIS main busing rated current (Amp) is 4000A.Please confirm whether is accept by your.	shall be as per the provision of the Bidding documents
28	Common		As per tender requirement , GIS's Circure Breaker enclosures shall be aluminum alloy. If the manufacturer GIS function can meet you requirement but GIS's Circure Breaker enclosures is stainless steel .Please confirm whether is accept by your.	shall be as per the provision of the Bidding documents
29	Common		As per tender technical specification Clasue 5.3 requirment , GIS shall have pre insetion resister. If the GIS manufacturer choice another ways to meet you requirement .Please confirm whether is accept by your.	shall be as per the provision of the Bidding documents
30	Common		We apply Power Transformer manufacture have conducted the type test in STL beyond the 11 years shall be accept.	shall be as per the provision of the Bidding documents
31	SCC Clause 9.7	If the Contractor is a joint venture or consortium of two or more persons, all such persons shall be jointly and severally bound to the Employer for the fulfillment of the provisions of the Contract and shall designate one of such persons to act as a leader with authority to bind the joint venture or consortium. The composition or the constitution of the joint venture or consortium shall not be altered without the prior consent of the Employer.	In case of award of tender to a joint venture or consortium- We request you to kindly confirm whether each consortium partner can raise invoices for their respective scope(i.e. from Nepal and Outside Nepal, as the case may be) and collect the payments in their respective accounts and joint Venture is not required to be registered in Nepal/Outside Nepal. We request you to confirm whether WHT Certificate shall be issued to each partner separately for their respective scope to avil benefit under DTAA of bidder country and Nepal	shall be as per the provision of the Bidding documents
32	Clarification 1 Sr. no. 60, Section8, SCC14		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 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	shall be as per the provision of the Bidding documents
33	Clarification 1 Sr. no. 60, Section8, SCC14		We request you to kindly inform prevailing provisions/sections of Nepal Income tax under which 5% WHT is applicable on Offshore Supplies to check the availability of benefit of WHT deduction under Double Tax Avidance Agreement (DTAA) between Nepal and bidder's country (for offshore supplies). The WHT benefits may not be available to the bidders if the WHT deduction is beyond the applicable provisions of Nepal Income tax Act.	TDS shall be as per the prevailing law of Nepal. Please acquire the required thorough information regarding TDS from Inland Revenue Department (IRD) (website http://www.ird.gov.np) as well as concerned competent government authorities.

