



NEPAL ELECTRICITY AUTHORITY

(Government of Nepal Undertaking)

Project Management Directorate
Project Management Department
Keraun 132/33kV Substation Project

Biratchowk, Morang
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Letter Ref No: 077/78, Ch: 27

Date: September 16, 2020

To

All Prospective Bidders,

Sub: Issuance of Clarification -1

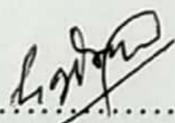
Ref: Design, Supply, Installation and Commissioning of 132/33kV Air Insulated Substation (AIS) at Keraun, Morang District with Associated 33kV Sub Transmission Line (OCB: PMD/EGMP/KRON/077/78-01)

Dear Sirs/Madams,

In reference to the captioned Bid Published on 10th August, 2020, we are hereby attaching the clarification-1 sought by the bidders pursuant to clause 7.1 of the bidding documents.

It is hereby requested to acknowledge the receipt of the same.

With Best Regards,


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Darshan Ray Yadav
Project Manager

Invitation for Bids (IFB): PMD/EGMP/KRON/077/78- 01
Design, Supply, Installation and Commissioning of 132/33kV Air Insulated Substation(AIS) at Keraun, Morang District with Associated 33kV Subtransmission Line
Project: Electricity Grid Modernization Project

Sr No	Volume / Section	Clause No.	Text as per Bid document	Prebid Query	Reply from NEA
1				Regarding to above mention subject, we kindly request you to clarify the 110 V DC system over below listed title. 1. Load 2. Duration 3. Type of Load 4. And complete duty cycle So the we can able to calculate the battery size, selection of number of cells, float and Boost voltages and battery charger size for 110 DC system. taps. Please confirm which to follow	Battery rating should be MINIMUM 1. 220v, 600 AH 2. 110v, 600 AH 3. 48v, 400 AH Battery Charger rating should be MINIMUM 1. 220v, 80/80 A 2. 110v, 80/80 A 3. 48v, 50/50 A
2	Appendix 1	Invoicing and payment	the Employer shall pay the Contractor in the following manner and at the following times, based on the Price Breakdown given in the section on Price Schedules. Payments will be made in the currencies quoted by the Bidder unless otherwise agreed between the parties.	We wish to participate as sole bidder and intend to propose nominated local subcontractor for local portion / currency. In such case, we understand that we can invoice and get payment directly from NEA for foreign portions (and) our nominated Subcontractor can invoice and get their payment directly from NEA for the local portion. Please confirm that our understanding is correct.	Payment shall be given only to the contractor.
3	9.7, page 130 of 225,	Consortium	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	We understand the bidders forming consortium or joint venture, are not required to be registered or incorporated on "consortium or JV name" in Nepal. Please confirm that our understanding is correct.	Joint venture company is required to be temporarily registered in company registrar office & VAT office.
4				LT Transformer: (i)The system as per the tender document demands 220V DC supply but our equipment are compatible for 110V DC Supply (ii)In general parameters, Chapt-7, pg: 7-9, the specification given is for 11/0.4kV rated distribution transformer whereas the BOQ and the above specification details states a system of 33/0.4kV. Please clarify	(i) Supply the required equipment compatible for 220v DC Supply system for Keraun & for Biratchowk 110v DC equivalent. (II) Distribution Transformer shall be 33/0.4kV.
5				In BOQ, Volume III, point 1.8, 220V DC Distribution board is required, we are able to provide system of 110V DC. Please make sure with NEA if they require 220V DC system or 110V DC system	Proposed System at keraun is for 220v DC & Biratchowk is 110v DC
6				No BOQ for LT switchgear is mentioned.	BPS call for AC DB as per volume 3, schedule 1, item 1.8.2
7				Please confirm the source of supply for system, if the Grid supply is 220V or not or if NEA has an extra source which supply the given voltage rating. EEL offer 110V DC as this is the International Standard and commonly used everywhere.	A/C Supply system 400/220v , DC supply system 220v & DC for communication 48v DC
8				Is the project Turnkey or not?	Yes, Turnkey Project
9				Why there is 220V DC dB line required.	Refer above
10				-110 VDC is convenient & supply from long time.	Refer above
11				-If 220 VDC required then change in coin & relay for protection purpose is arises.This can be supplird but price will be high.	Refer above
12				Battery chargwer of 220 v is required & 220 v DC DB is required as well	Refer above

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13	vol-iii, 1(iv)			in SAS: BCU for auxillary system is given as lot 1 does it means we have to provide BCU for all the panel?	1. BCU for 132/33/11kV shall be as per specification 2. BCU for auxillary supply is required for all system auxillary as required.
14	BOQ			132/33 kV Power Transformer 40/51.5/63 MVA, ONAN/ONAF is required. What OLTC facility should be provided.	AS per Specification
15	Vo. II A, CHAPTER – 1, PROJECT SPECIFIC REQUIREMENT	Page 14		It specified that : 33kV Indoor Switchgear for 2 no. Transformer Incomer bay 132/33kV, 7 nos. Feeders bay . But there is no mention of these indoor 33 kv switchgear items in the Price schedule. Only outdoor 2 sets of outdoor 33 kv Switchgear given. Also Specifications of Indoor 33 KV GIS switchgear not given . Only Outdoor 33 KV Switchgear specification given . Hence , are the 33 KV switchgear all indoor or outdoor ????. Location inside the Control of these 33 kv switchgear not given . Also Only 11kv air insulated switchgear given.	Please read 33kV indoor as "33kV outdoor"
16	Price Schedule, Vol. III , Sht .4	clause 1.3		All Disconnectors are specified as Centre Break. But the Specifications Vol. IIIA , Chapter 3 , clause 1.2 , On Isolators , mention "DOUBLE BREAK" . Please clarify . There are more manufacturers of Centre Break Disconnectors than double break DS . Hence price will be much more competitive .	Please quote for centre break
17	Vo. II A, CHAPTER–1, PROJECT SPECIFIC REQUIREMENT			Also the Price schedule mention 18 sets of Disconnectors but Vol. IIA , Section 2a Scope of work mention only 2 SETS	Quote as per BPS.
18	Tender Fee	Clause 6 of IFB	To purchase the bidding documents	Can we make online payment for this fee and get documents by email? also do we need to return signed copy of bid documents along with our bid?	You can made payment as per IFB, i.e. NRs 20,000.00 & deposite in the A/C no mention email of soft copy is not allowed. Please send you representativeto collect the hard copy Bid document.
19	Bank Guarantee	ITB 21.3	(a) an unconditional bank guarantee, all from a reputable source from an eligible country as described in Section 5 (Eligible Countries).	In case of Bidder outside Nepal do we need to submit any counter guarantee from Local Bank of Nepal ?	There shall not be made for counter guarantee for bid security but performace gruantee there shall be need for couter guarantee from home country bank.
20		Section 4 • Bidding Forms	Beneficiary: Name and address of the employer	Please Specify Name of Beneficiary on Whose behalf Bid Security Bank Guarantee to be Submitted .	The Bid Security shall be issue in the name of Keraun 132/33kV Substation Project, NEA.
21		ITB 21.3	(d) swift message in the form of MT760.	In case of Bank Guarantee prepared by SFMS form do we need to submit any hard copy of Guarantee. Please specify if there is any additional procedure	Bid Security through swift is acceptable.
22	Bid Currency	ITB 19.1 (a)	The prices shall be quoted either in the currency/(ies) of the Bidder's home country.	We are bidder based Outside Nepal do we need to quote in bidder's country or it should be USD/NPR ? If prices has to be quoted in local currency of bidder country what basis of conversion rate shall be taken for evaluation purpose ?	Please refer Instruction to bidder (ITB)

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23	Domestic preference	Section-3 (1.3.7.d)	In the comparison of Bids, only the CIP price component of each Bid for the Plant and Equipment offered from outside the Employer's country shall be increased by 15%.	In case all plants and equipments offered from outside Employer's, CIP prices will be incersed by 15 % do we assume following illustration (Price of plants offered from outside Nepal + 15% = Price of plants offered from Nepal) if yes, In this scenario of highly competitive market competing with local bid will be difficult. This clause shall be removed.	<i>The Clouse can't be changed.</i>
24	Installation and Other Services (Schedule No. 4)	ITB 18.4.d	the provision of operations and maintenance manuals, training, etc., where identified in the Bidding Document, as necessary for the proper execution of the installation and other services, including all taxes, duties, levies, and charges payable in the Employer's country as of 28 days prior to the deadline for submission of bids.	In the BOQ (b):Training Charges for training to be imparted abroad. (c):Training Charges for training to be imparted to Employer's Personnel by Bidder's Instructor in Nepal (d): Maintenance Charges (e). Type test charges to be conducted abroad Is it mandatory to quote & conduct above charges if yes in which currency these charges shall be quoted ? Is there are any schedule for Type test charges? Can quote prices in Single Currency (Foreign Currency or Local Currency) if Bidder are from outside Nepal?	Please quote as per BPS
25	Documents Comprising the Bid	ITB 17	Technical Proposal in accordance	We understand in technical proposal we have to submit Technical Documents of Subcontractors/Manufacturer of Plants Specified in Section-3 (EQC) as below 1. GTP 2. Type Test Certificate Please specify if any other technical documents required.	Please submit all qualifying document including supply list, enduser, ISO,authorisation letter etc as per volume 1, section 3
26	Price Adjustment	ITB 18.6	The prices shall be either fixed or adjustable as specified in the BOS.	As per The formula for adjusting the prices and explanatory details are specified in the Special Conditions of Contract (SCC) Clause 11.2 and Appendix 2 of Contract Agreement. Bidder shall fill out the Tables of Adjustment Data in Section 4 (Bidding Forms)." Please Clarify Following 1. As per appendix-2 of CA Price Adjustment is applicable to Power Transformer Only Rest all items are FIRM 2. Can be use indices published by IEEMA in India?	Please provide required data as per bid document.
27	Schedule No.1: Plant and Equipment including Mandatory Spares to be supplied from abroad		Custom, VAT and other taxes	Please Specify current Custom Duty, VAT and other taxes in above to CIP Price in case Plants and Equipment are offered from outside Nepal	Custom duty:1%, Vat:13% will be reimbersed by NEA.
28	Vol-II A	3.1.6	1.2.4 & 1.2.5	In Detail Scope of work ,it is mentioned that 33KV indoor switchgear, but as per Electrical Layout and BOQ it is showing out door type . Please confirm	33kV Outdoor switchgear
29	Vol-III		1.10.1	In BOQ and Layout not mentioned any 11KV Isolator towards LV side of 132/11KV Transformer for XLPE Cable connection with CARDINAL Conductor. Isolator should be there for proper connection.Please confirm	Please quote as per BPS
30	VOL-III		1.10.1, 1.10.2 & 1.10.3	XLPE Copper Power Cable or XLPE Alluminium Power cable. Please confirm	Please quote as per BPS
31	VOL-III		2.1(a) IV	BCU for Auxilary System, please clarify with details	Refer above
32	VOL-III		3.6 & 3.7	H/W fittings will be bolted type or compression type, please confirm	H/W fittings will be bolted type

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33	Vol-III		1.6.1	In BOQ no 33KV CRP of 63MVA Transformers LV Side are mentioned, is it included in 132KV Trafo panel sets? Please Confirm	33kV side protection & control is includes in 132/33kV Tranformer panel.
34	Vol-III		Part 2-A & Part 3-A	ROW in transmission line to be solved by department or Contractor.please confirm	RoW line prepared by Contractor but any problem occurd during work shall be solved by employer.
35	Vol-III		A3(a) 10	Existing Bus conductor Size required for bus extension for New line Bay at Biratnagar S/stn.	Existing Bus conductor is Dog conductor
36	.		Volume I, Section 3, Clause 2.4.1 Contracts of Similar Size and Nature. Compliance Requirement-Joint Venture. Each Partner Must have completed or Substantially completed one contract of design, supply, installation and commissioning of 132kV or above voltage class Substation within last 10 years of value of not less than US\$1.4 Million.	As per our understanding, the Qualification Requirement should be "must have completed or substantially completed one substation with its associated transmission Line within last 10 years of value of not less than US\$1.4Million." This is due to the fact that the scope of the work is 132kV substation with a 33kV sub transmission line. Please conform the same	No change in EQC.