
Nepal Electricity Authority

Transmission Directorate

Grid Operation Department

Tender no. **GOD/2078/079-14** “Supply, Delivery, Installation, Testing and Commissioning of Power Transformers at Various Substations”

ADDENDUM-VII

In Accordance to ITB 8.1 of the Bidding Documents for the “Supply, Delivery, Installation, Testing and Commissioning of Power Transformers at Various Substations” following amendments have been made in the Bidding Document.

As in Bidding Document

VOLUME-I OF III

Nepal Electricity Authority

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Invitation for Bids (ICB)

2. Nepal Electricity Authority (NEA) invites electronic bids from eligible bidders for the *Supply, Delivery, Installation, Testing and Commissioning of Power Transformers at Various Substations*, under International Competitive Bidding – Single-Stage, Two Envelope Bidding procedures.

Only eligible bidders with the following key qualifications should participate in this bidding:

1. Minimum Average Annual Turnover of within the best three years out of last ten fiscal years: **9.61 MUSD**
2. Required bid capacity of the bidder should be equal to or more than the **12.81 MUSD**
3. Minimum Work experience of similar size and nature that must have executed within last ten (10) years:
 - i. At least 1 (one) EPC/Turnkey/ DB Contract of similar size and nature, each with a value of at least **5.12 MUSD**.
 - ii. Minimum 3 nos. of Power Transformer of 100 MVA Three Phase 110 kV or higher capacity at higher voltage level.

Detailed qualification criteria of the bidder, sub-vendors (manufacturers) and construction period are more elaborately described in the bidding documents. The contract duration is **Twenty Four (24) months** from the date of contract



effectiveness.

Section 1 - Instructions to Bidders

D. Submission and Opening of Bids

21. Sealing and Marking of Bids

Price Bid;

S.N.	Document	Requirement	Remarks
1	Letter of Price Bid	Mandatory	PDF/Web Forms
2	Applicable Price Adjustment Table	If applicable	<u>No</u> Price adjustment will be treated if the indices in the Price Adjustment Table are not provided.
3	Completed BOQ or Price Schedule	Mandatory	Web Forms

36. Evaluation of Price Bids

36.2 To evaluate a Price bid, the Employer shall consider the following:

- the bid price, excluding Value Added Tax, Provisional Sums, and the provision, if any, for contingencies in the Summary Bill of Quantities, for Unit Rate Contracts, or Schedule of Prices for lump sum Contracts, but including Day work items, where priced competitively;
- price adjustment for correction of arithmetic errors in accordance with ITB 32;
- price adjustment due to discounts offered in accordance with ITB 14.4;
- converting the amount resulting from applying (a) to (c) above, if relevant, to a single currency in accordance with ITB 33;
- adjustment for nonconformities in accordance with ITB 30.3;
- application of all the evaluation factors indicated in Section 3 (Evaluation and Qualification Criteria);

Section 2 - Bid Data Sheet

C. Preparation of Bids

ITB 14.6	The prices quoted by the Bidder "shall not be" subject to adjustment during the performance of the contract, it is the fixed price contract.
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ITB 21.1(b)	Price Bid:			
	S.N.	Document	Requirement	Remarks
	1	Letter of Price Bid	Mandatory	PDF
	2	Applicable Price Adjustment Table	If applicable	Not Applicable
3	Completed BOQ or Price Schedule	Mandatory	PDF/Web Forms*	

Section 3 - Evaluation and Qualification Criteria

1.8 Economic Evaluation

The following factors and methods will apply:

(a) Time Schedule:

The plant and equipment covered by this bidding are required to be shipped, installed and the successful completion of the Facilities shall have to be completed within **24 Months** from the effective date of the Contract. No credit will be given to earlier completion. **Bids offering completion beyond the named period will be rejected.** Bidder shall also consider provision of work program stated in GCC clause 18 to base their prices.

2.3.2 Average Annual Construction Turnover

Criteria	Compliance Requirements			Documents
Requirement	Single Entity	Joint Venture		Submission Requirements
		All Partners Combined	Each Partner	

Minimum average annual construction turnover of 9.61 MUSD , calculated as total certified payments received for contracts in progress or completed, within best three years out of last ten fiscal years. <i>(Bidder shall submit audited financial reports for best three years only)</i>	must meet requirement	must meet requirement	must meet 25% of the requirement	must meet 40% of the requirement	Form FIN - 2
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Section 8 - Special Conditions of Contract

Time for Commencement and Completion	8.0	8.1 The Contractor shall commence work on the Facilities within Fifteen (15) days from the Effective Date for determining Time of Completion as specified in the Contract Agreement.
		8.2 The Time for Completion of the whole of the Facilities shall be Twenty Four (24) months from the Effective Date as described in the Contract Agreement.
Contract Price	11.2	The Contract Price shall be fixed and not adjustable.

Section 9 - Contract Forms

Appendix 4 - Time Schedule

4.1 Description of Facilities: **Supply, Delivery, Installation, Testing and Commissioning of Power Transformers at Various Substations**

Name of Facilities	Completion Time required by the Employer from the Effective Date	Completion date guaranteed by the bidder from the Effective Date
Supply, Delivery, Installation, Testing and Commissioning of Power Transformers at Various Substations	Twenty Four (24) Months	



To be Replaced as

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Invitation for Bids (ICB)

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Only eligible bidders with the following key qualifications should participate in this bidding:

1. Minimum Average Annual Turnover of within the best three years out of last ten fiscal years: **8.54 MUSD**
2. Required bid capacity of the bidder should be equal to or more than the **12.81 MUSD**.
3. Minimum Work experience of similar size and nature that must have executed within last ten (10) years:
 - i. At least 1 (one) EPC/Turnkey/ DB Contract of similar size and nature, each with a value of at least **5.12 MUSD**.
 - ii. Minimum 3 nos. of Power Transformer of 100 MVA Three Phase 110 kV or higher capacity at higher voltage level.

Detailed qualification criteria of the bidder, sub-vendors (manufacturers) and construction period are more elaborately described in the bidding documents. The contract duration is **Eighteen (18) months** from the date of contract

Section 1 - Instructions to Bidders

D. Submission and Opening of Bids

21. Sealing and Marking of Bids

Price Bid;

S.N.	Document	Requirement	<u>Remarks</u>
1	Letter of Price Bid	Mandatory	PDF/Web Forms
2	Applicable Price Adjustment Table	Mandatory	PDF/Web Forms



3	Completed BOQ or Price Schedule	Mandatory	Web Forms
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36. Evaluation of Price Bids

36.2 To evaluate a Price bid, the Employer shall consider the following:

- (a) the bid price, excluding Value Added Tax, Provisional Sums, and the provision, if any, for contingencies in the Summary Bill of Quantities, for Unit Rate Contracts, or Schedule of Prices for lump sum Contracts, but including Day work items, where priced competitively;
- (b) price adjustment for correction of arithmetic errors in accordance with ITB 32;
- (c) price adjustment due to discounts offered in accordance with ITB 14.6;
- (d) converting the amount resulting from applying (a) to (c) above, if relevant, to a single currency in accordance with ITB 33;
- (e) adjustment for nonconformities in accordance with ITB 30.3;
- (f) application of all the evaluation factors indicated in Section 3 (Evaluation and Qualification Criteria);

Section 2 - Bid Data Sheet

C. Preparation of Bids

ITB 14.6	The <i>prices quoted by the Bidder shall be Adjustable for Power Transformer</i> . "The formula for adjusting the prices and explanatory details is 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)"																		
ITB 21.1(b)	<p>Price Bid:</p> <table border="1"> <thead> <tr> <th>S.N.</th> <th>Document</th> <th>Requirement</th> <th>Remarks</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Letter of Price Bid</td> <td>Mandatory</td> <td>PDF</td> </tr> <tr> <td>2</td> <td>Applicable Price Adjustment Table</td> <td>Mandatory</td> <td>PDF/Web Forms*</td> </tr> <tr> <td>3</td> <td>Completed BOQ or Price Schedule</td> <td>Mandatory</td> <td>PDF/Web Forms*</td> </tr> </tbody> </table>			S.N.	Document	Requirement	Remarks	1	Letter of Price Bid	Mandatory	PDF	2	Applicable Price Adjustment Table	Mandatory	PDF/Web Forms*	3	Completed BOQ or Price Schedule	Mandatory	PDF/Web Forms*
S.N.	Document	Requirement	Remarks																
1	Letter of Price Bid	Mandatory	PDF																
2	Applicable Price Adjustment Table	Mandatory	PDF/Web Forms*																
3	Completed BOQ or Price Schedule	Mandatory	PDF/Web Forms*																

Section 3 - Evaluation and Qualification Criteria

1.8 Economic Evaluation

The following factors and methods will apply:

(a) Time Schedule:

The plant and equipment covered by this bidding are required to be shipped, installed and the successful completion of the Facilities shall have to be completed within **18 Months** from the effective date of the Contract. No credit will be given to earlier completion. **Bids offering**



completion beyond the named period will be rejected. Bidder shall also consider provision of work program stated in GCC clause 18 to base their prices.

2.3.2 Average Annual Construction Turnover

Criteria	Compliance Requirements			Documents
Requirement	Single Entity	Joint Venture		Submission Requirements
		All Partners Combined	Each Partner	

Minimum average annual construction turnover of 8.54 MUSD , calculated as total certified payments received for contracts in progress or completed, within best three years out of last ten fiscal years. <i>(Bidder shall submit audited financial reports for best three years only)</i>	must meet requirement	must meet requirement	must meet 25% of the requirement	must meet 40% of the requirement	Form FIN - 2
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Section 4 - Bidding Forms

Price Schedules

PREAMBLE

General

- The Price Schedules are divided into separate Schedules as follows:
 - Schedule No. 1: Plant and Mandatory Spare Parts Supplied from Abroad
 - Schedule No. 2: Plant and Mandatory Spare Parts Supplied from within the Employer's Country
 - Schedule No. 3: Design Services
 - Schedule No. 4: Installation and Other Services
 - Schedule No. 5: Grand Summary
 - Schedule No. 6: Recommended Spare Parts
- The Schedules do not generally give a full description of the plant to be supplied and the services to be performed under each item. Bidders shall be deemed to have read the Employer's Requirements and other sections of the Bidding Document and reviewed the



Drawings to ascertain the full scope of the requirements included in each item prior to filling in the rates and prices. The entered rates and prices shall be deemed to cover the full scope as aforesaid, including overheads and profit.

3. If Bidders are unclear or uncertain as to the scope of any item, they shall seek clarification in accordance with ITB 7 prior to submitting their bid.

Pricing

4. The units and rates in figures entered into the Price Schedules should be typewritten or if written by hand, must be in print form. Price Schedules not presented accordingly may be considered nonresponsive. Any alterations necessary due to errors, etc., shall be initialed by the Bidder.

As specified in the Bid Data Sheet and Special Conditions of Contract, prices shall be fixed and firm for the duration of the Contract, or prices shall be subject to adjustment in accordance with the corresponding Appendix (Price Adjustment) to the Contract Agreement.

5. Bid prices shall be quoted in the manner indicated and in the currencies specified in the Instructions to Bidders in the Bidding Document.

For each item, Bidders shall complete each appropriate column in the respective Schedules, giving the price breakdown as indicated in the Schedules.

Prices given in the Schedules against each item shall be for the scope covered by that item as detailed in Section 6 (Employer's Requirements) or elsewhere in the Bidding Document.

6. Payments will be made to the Contractor in the currency or currencies indicated under each respective item.
7. When requested by the Employer for the purposes of making payments or part payments, valuing variations or evaluating claims, or for such other purposes as the Employer may reasonably require, the Contractor shall provide the Employer with a breakdown of any composite or lump sum items included in the Schedules.
8. The bid price is inclusive of all Environmental, Health and Safety Management and compliance cost.



Tables of Adjustment Data

Table A - Local Currency

Index Code	Index Description	Source of Index	Base Value and Date	Bidder's Local Currency Amount	Bidder's Proposed Weighting
	Nonadjustable	---	---	---	a: <u>0.15</u> b: _____ c: _____
Total					1.00

To be entered by the bidder

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Table B - Foreign Currency

Name of Currency: _____

[Insert name of currency. If the Bidder wishes to quote in more than one foreign currency, this table should be repeated for each foreign currency.]

Index Code	Index Description	Source of Index	Base Value and Date	Bidder's Currency in Type/Amount	Equivalent in FC1	Bidder's Proposed Weighting
	Nonadjustable	---	---	---		a: <u>0.15</u> b: _____ c: _____
Total						1.00

To be entered by the bidder

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- Note -

The base date shall be the date 28 days prior to the deadline for submission of the bid.

Tables of Adjustment Data shall only be included if prices are to be quoted as adjustable prices in accordance with ITB 14.6.



Section 8 - Special Conditions of Contract

Time for Commencement and Completion	8.0	8.1 The Contractor shall commence work on the Facilities within Fifteen (15) days from the Effective Date for determining Time of Completion as specified in the Contract Agreement.
		8.2 The Time for Completion of the whole of the Facilities shall be Eighteen (18) from the Effective Date as described in the Contract Agreement.
Contract Price	11.2	"The Contract price shall be adjusted in accordance with the provisions of Appendix 2 (Price Adjustment) to the Contract Agreement

Section 9 - Contract Forms

Appendix 2 - Price Adjustment

1.1 Bidders may please note that price adjustment will be applicable only on flowing material components

- the copper, ferrous material (tank and accessories) of Power Transformer.

Prices of all other items of supply, delivery, installation and commissioning activities under the Contract, for all purpose, will remain 'FIRM' in all respects.

1.2 Also, since advance payment will be made to the Contractor, price adjustment will not be allowed on this amount and accordingly, price adjustment shall be permitted for 90% (if 10% advance is taken) cost of the Material only.

1.3 The Base date for indices, for the purpose of price adjustment, shall be taken as 28 days prior to the deadline for submission of the Bid. For final date for indices, for price adjustment, the same will be governed by 60 days prior to the date of dispatch of different lot, which is committed by the Contractor for various plants in the bar chart (work Schedule) and approved & accepted by the employer at the time of signing of contract agreement. Prices payable to the Contractor, in accordance with the Contract, shall be subject to adjustment during performance of the Contract to reflect changes in the cost of labor and material components, in accordance with the following formula:

1.3.1. For Power transformer:

$$P_1 = P_0 \times \left(a + b \frac{L_1}{L_0} + c \frac{M_1}{M_0} \right) - P_0$$

in which:

- P_1 = adjustment amount payable to the Contractor
 P_0 = Contract price (base price)
 a = percentage of fixed element in Contract price ($a = \%$)
 b = percentage of copper component in Contract price ($b = \%$)
 c = percentage of ferrous component in Contract price ($c = \%$)

Item	% of Fixed Component (a)	% of copper component (b)	% of ferrous component (c)



Power Transformer	64	29	7
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L_0, L_1 = London Metal Exchange (LME) price of Copper wire bars as applicable on the base date & on the date for adjustment respectively

M_0, M_1 = London Metal Exchange (LME) price for Steel bar as applicable on the base date & on the date for adjustment respectively

1.3.2 Additional Conditions Applicable to Price Adjustment

Price adjustment will be applied only if the resulting increment or decrement is more than 10% of the base material Price of the Copper and Steel for Power Transformer. And the price will be adjusted by deducting 10% of increased or decreased amount from the base material price.

- No price adjustment shall be payable on the portion of the Contract Price paid to the contractor as Advance payment as indicated above in clause 1.2.
- No price increase will be allowed beyond the original dispatch date of different lots of equipment unless covered by an extension of time awarded by the Employer under the terms of the Contract. No price increase will be allowed for periods of delay for which the Contractor is responsible. The Employer will, however, be entitled to any price decrease occurring during such periods of delay.
- If the currency in which the Contract price, PO, is expressed is different from the currency of the materials indexes, a correction factor will be applied to avoid incorrect adjustments of the Contract price. The correction factor shall correspond to the ratio of exchange rates between the two currencies on the base date and the date for adjustment as defined above.

Appendix 4 - Time Schedule

4.1 Description of Facilities: Supply, Delivery, Installation, Testing and Commissioning of Power Transformers at Various Substations

Name of Facilities	Completion Time required by the Employer from the Effective Date	Completion date guaranteed by the bidder from the Effective Date
Supply, Delivery, Installation, Testing and Commissioning of Power Transformers at Various Substations	Eighteen (18) Months	



ITB 25.1	The bid opening of Technical Bids shall take place at Place: Grid Operation Department Street Address: Meen Bhawan, New Baneshwor City: Kathmandu Country: Nepal The date & time for bid opening is: Date: 03rd August 2022 Time: 13:00 Hrs (Local)
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