



**Procurement of Plant Design, Supply, Delivery, Installation, Testing and Commissioning of
 Lot 1: 400 kV Ratmate Substation and works at Lapsiphedi and New
 Hetauda Substations
 Lot 2: 400 kV New Butwal Substation
 Lot 3: 400 kV New Damauli Substation**

MCA-N/ETP/CB/004

ADDENDUM #2

Issued on: 30 May 2023

This Addendum No. 2 modifies respective portions of the Bidding Document issued on 24 March 2023 and amended through Addendum No. 1 on 04 April 2023. The changes, as indicated below, are effective on the date of issue of this Addendum.

Except as expressly amended by this Addendum, all other terms and conditions of the Bidding Document - issued on 24 March 2023 and amended through Addendum No. 1 issued on 04 April 2023 remains unchanged and shall remain in full force and effect in accordance with their terms.

SN	Pages/Paragraph	Amendments
1.	Part 1, Page 50 and 51, Section II. Bid Data Sheet, ITB 12.3	1) Letter of Financial Offer 2) Appendix to Financial Offer 3) Schedule of Payments 4) Cash Flow Projection 5) Breakdown of Rates and Prices Schedules <ul style="list-style-type: none"> i. Schedule No. 1. Design Services ii. Schedule No. 2. Plant, Goods, Materials and Mandatory Tools and Spare Parts Supplied from Abroad iii. Schedule No. 3. Plant, Goods, Materials and Mandatory Tools and Mandatory Spare Parts Supplied from Within the Employer’s Country iv. Schedule No. 4. Installation and Other Services Including all Related Civil Works v. Schedule No. 5. Grand Summary (Schedule Nos. 1 to 4) vi. Recommended Spare Parts 6) Breakdown of Price for Price Reasonability. has been replaced by:

		<ol style="list-style-type: none"> 1) Letter of Financial Offer 2) Appendix to Financial Offer 3) Schedule of Payments 4) Cash Flow Projection 5) Breakdown of Rates and Prices Schedules <ol style="list-style-type: none"> i. Schedule No. 1. Design Services ii. Schedule No. 2. Plant, Goods, Materials and Mandatory Tools and Spare Parts Supplied from Abroad iii. Schedule No. 3. Plant, Goods, Materials and Mandatory Tools and Mandatory Spare Parts Supplied from Within the Employer’s Country iv. Schedule No. 4. Installation and Other Services Including all Related Civil Works v. Schedule No. 5. Grand Summary (Schedule Nos. 1 to 4) vi. Recommended Spare Parts
2.	Part 1, Page 54, Section II. Bid Data Sheet, ITB 35.1	<p>Add at the end of ITB 35.1.</p> <p>Though the evaluation of Bids shall be based on total cost of Base scope plus Option scope of work, the Employer reserves the right to exercise either Base Scope of work or Option scope of works or Base scope plus a portion of option scope of work.</p> <p>has been replaced by:</p> <p>Add at the end of ITB 35.1.</p> <p>Though the evaluation of Bids shall be based on total cost of Option scope of work, the Employer reserves the right to exercise either Base Scope of work or Option scope of work or Base scope plus a portion of option scope of work.</p>
3.	Part 1, Page 64, Section III. Qualification and Evaluation Criteria, D. Technical Evaluation Criteria for each Lot, Note 1.	<p>For each lot, the Bidder needs to include separate information for Criteria 2 and Criteria 3. To qualify for each lot, the Bidder’s proposal for each lot needs to score minimum technical score of 70.</p> <p>has been replaced by:</p> <p>For each lot, the Bidder needs to include separate information for Criteria 2 and Criteria 3. To qualify for each lot, the Bidder’s proposal for each lot needs to score minimum technical score of 70. For Criteria 1, Organizational Capability and Experience of the Contractor within the last 10 Years, the evaluation for each lot (Lot 1, Lot 2 and Lot 3) will be the same and the score for each lot will also be the same. If the Bidder has</p>

		implemented more projects/contracts than the minimum requirement, the bidder will get more points.
4.	Part 1: Page 65, Section III. Qualification and Evaluation Criteria, B. Financial Offer - Administrative Completeness Review, third bullet	Determine if the schedule of prices for all scope (Base plus Option) as described in the Employer's Requirements Section B11, are duly included. has been replaced by: Determine if the schedule of prices for all scope (for Base Scope and Option Scope) as described in the Employer's Requirements, are duly included.
5.	Part 1, Page 66, Section III. Qualification and Evaluation Criteria, B2. Review of the Prices in the Financial Offer	The Evaluated Bid Price includes the price of Option (that is base plus option for evaluation and comparison purpose); and has been replaced by: The Evaluated Bid Price includes the price of Option Scope (Base Scope plus additional Scope added in Base Scope); and
6.	Part 1: Page 79, 80 and 81, Section III. Qualification and Evaluation Criteria, Qualifications - Documents Establishing the Qualifications of the Bidder, 15. Similar Design Experience, Experience, Requirement, (c)	Sub-Factor 15 is replaced as per Attachment 1 of this Addendum 2.
7.	Part 1: Page 81-85, Section III. Qualification and	Sub-Factor 16 is replaced as per Attachment 1 of this Addendum 2.

	<p>Evaluation Criteria, Qualifications - Documents Establishing the Qualifications of the Bidder, 16. Similar Construction Experience, Experience, Requirement, (c)</p>																													
8.	<p>Part 1: Page 89, Section III. Qualification and Evaluation Criteria, Subcontractors/Manufacturers</p>	<p>The requirement related to Subcontractors/Manufacturers is replaced as per Attachment 2 of this Addendum 2. Please note that requirement #10 is deleted.</p>																												
9.	<p>Part 1, PDF Page 635 or 1019, Section IV. Bid Submission Forms, Letter of Financial Offer, Table in Paragraph 2.</p>	<table border="1" data-bbox="526 968 1503 1192"> <thead> <tr> <th>Lot</th> <th>Base Price in USD</th> <th>Option Price in USD</th> <th>Total Bid Price (Base Plus Option in USD)</th> </tr> </thead> <tbody> <tr> <td>Lot 1</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Lot 2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Lot 3</td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>has been replaced by:</p> <table border="1" data-bbox="526 1360 1458 1549"> <thead> <tr> <th>Lot</th> <th>Base Scope Price in USD</th> <th>Option Scope Price in USD</th> </tr> </thead> <tbody> <tr> <td>Lot 1</td> <td></td> <td></td> </tr> <tr> <td>Lot 2</td> <td></td> <td></td> </tr> <tr> <td>Lot 3</td> <td></td> <td></td> </tr> </tbody> </table> <p>Note: Option Scope (Base Scope plus additional Scope added in Base Scope)</p>	Lot	Base Price in USD	Option Price in USD	Total Bid Price (Base Plus Option in USD)	Lot 1				Lot 2				Lot 3				Lot	Base Scope Price in USD	Option Scope Price in USD	Lot 1			Lot 2			Lot 3		
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10.	<p>Part 2, Section V, B02_GTR, 220913_B02_GTR, Page 15, 10. Type Testing, Inspection, Testing &</p>	<p>The test reports submitted shall be of the tests conducted within the last 10 (ten) years before the originally scheduled date of bid opening. In case the test reports are of tests conducted earlier than 10 (ten) years before the originally scheduled date of bid opening, the Contractor shall repeat these test(s) at no extra cost to the Employer. However, in the case of 400 kV and 220 kV GIS switchgear (circuit breaker, isolators, earthing switches, instrument transformers, SF6/air & oil bushings, etc.) type tests shall be carried out as per IEC in Short-Circuit Testing Liaison (STL) – Accredited Laboratory.</p>																												

	<p>inspection Certificate, 10.3</p>	<p>has been replaced by:</p> <p>Unless otherwise specified elsewhere, the test reports submitted shall be of the tests conducted within the last 15 (Fifteen) years before the originally scheduled date of bid opening. In case the test reports are of tests conducted earlier than 15 (Fifteen) years before the originally scheduled date of bid opening, the Contractor shall repeat these test(s) at no extra cost to the Employer. However, in the case of 400 kV and 220 kV GIS switchgear (circuit breaker, isolators, earthing switches, instrument transformers, SF6/air & oil bushings, etc.) type tests shall be carried out as per IEC in Short-Circuit Testing Liaison (STL) – Accredited Laboratory. The manufacturer must provide an undertaking stating that there has not been any change in the design since the date of the type test.</p>
<p>11.</p>	<p>Part 2, Section V, B11_PSR, 221123_Lot1_RA T_PSR, B1.1, Project Specific Requirements, (PSR) Page 7, 1.3 Scope of Supply and Services</p>	<p>Only type tested equipment shall be used. Type test reports of similar equipment - in terms of mechanical and electrical size/measures, mechanical and electrical technical data, similar model type, and not older than 10 years at bid opening, shall be accepted. Type Test Reports shall be subject to the Engineer's approval. If no type test certificates are available, the relevant type tests shall be performed at the Contractor's expense.</p> <p>has been replaced by:</p> <p>Only type tested equipment shall be used. Type test reports of similar equipment - in terms of mechanical and electrical size/measures, mechanical and electrical technical data, similar model type, only in accordance with "Part 2, Section V, B02_GTR, 220913_B02_GTR, Page 15, 10. Type Testing, Inspection, Testing & inspection Certificate, 10.3", shall be accepted. Type Test Reports shall be subject to the Engineer's approval. If no type test certificates are available, the relevant type tests shall be performed at the Contractor's expenses.</p>
<p>12.</p>	<p>Part 2, Section V, B11_PSR, 221123_Lot2_NB W_PSR, B1.1, Project Specific Requirements, (PSR), Page 6, 1.3 Scope of Supply and Services</p>	<p>Only type tested equipment shall be used. Type test reports of similar equipment - in terms of mechanical and electrical size/measures, mechanical and electrical technical data, similar model type -, and not older than 10 years at bid opening, shall be accepted. Type Test Reports shall be subject to the Engineer's approval. If no type test certificates are available, the relevant type tests shall be performed at the Contractor's expense.</p> <p>has been replaced by:</p> <p>Only type tested equipment shall be used. Type test reports of similar equipment - in terms of mechanical and electrical size/measures, mechanical and electrical technical data, similar model type, only in accordance with "Part 2, Section V, B02_GTR, 220913_B02_GTR, Page 15, 10. Type Testing, Inspection, Testing & inspection Certificate, 10.3", shall be accepted. Type Test Reports shall be subject to the Engineer's approval. If no type test certificates are available, the relevant type tests shall be performed at the Contractor's expenses.</p>

13.	Part 2, Section V, B11_PSR, 221123_Lot3_ND M_PSR B1.1, Project Specific Requirements, (PSR), Page 6, 1.3 Scope of Supply and Services	<p>Only type of tested equipment shall be used. Type test reports of similar equipment - in terms of mechanical and electrical size/measures, mechanical and electrical technical data, similar model type -, and not older than 10 years at bid opening, shall be accepted. Type Test Reports shall be subject to the Engineer’s approval. If no type of test certificates are available, the relevant type tests shall be performed at the Contractor’s expense.</p> <p>has been replaced by:</p> <p>Only type tested equipment shall be used. Type test reports of similar equipment - in terms of mechanical and electrical size/measures, mechanical and electrical technical data, similar model type, only in accordance with “Part 2, Section V, B02_GTR, 220913_B02_GTR, Page 15, 10. Type Testing, Inspection, Testing & inspection Certificate, 10.3”, shall be accepted. Type Test Reports shall be subject to the Engineer's approval. If no type test certificates are available, the relevant type tests shall be performed at the Contractor’s expense.</p>
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ATTACHMENT – 1: Qualifications - Documents Establishing the Qualifications of the Bidder – Revised Experience

EXPERIENCE						
Sub-Factor	Criteria					Documentation Required
	Requirement	Bidder				
		Single Entity	Joint Venture			
	All members combined		Each member	Lead Member		
13. General Design Experience	Experience under contracts in the role of designer for at least the last ten (10) years prior to the Bid submission deadline, and with activity in at least nine (9) months in each year.	Must meet requirement	Must meet requirement	N/A	N/A	Form EXP-1
14. General Construction Experience	Experience under contracts in the role of contractor, subcontractor, or management contractor for at least the last ten (10) years prior to the Bid submission deadline, and with activity in at least nine (9) months in each year.	Must meet requirement	Must meet Requirement	Must meet requirement (except that if one JV member is solely a designer, that member need not meet the “General Construction Experience” sub-factor).	Must meet Requirement	Form EXP-2
15. Similar Design Experience	(a) Participation as designer in at least two (2) substation contracts	Must meet requirement	Must meet requirement	N/A	N/A	Form EXP-3

	<p>within the last five (5) years that have been successfully and substantially completed and that are similar to the proposed works.</p> <p>(b) Successfully completed as designer, as single entity or as joint venture partner, at least two (2) turnkey or design-build contract for GIS substations within last five years at voltages 380kV or above, that requirement</p> <p>(c) Successfully completed as single entity or as joint venture partner at least one (1) turnkey contract as a designer in an Asian country.</p> <p>Evidence shall be given by end users or taking over certificates or similar certificates.</p>					
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EXPERIENCE						
Sub-Factor	Criteria					Documentation Required
	Requirement	Bidder				
		Single Entity	Joint Venture			
			All members combined	Each member	Lead Member	
16. Similar Construction Experience	<p>Successfully completed turnkey or design-build substations projects within the last ten 10 years for each lot,</p> <p>(a) of below mentioned value:</p> <p>for Lot 1: US\$34 Million (2 Contracts each of US\$ 34 Million or above)</p> <p>for Lot 2: US\$ 20 Million (2 Contracts each of US\$ 20 Million or above)</p> <p>for Lot 3: US\$ 21 Million (2 Contracts each of US\$ 21 Million or above)</p> <p>(b) Participatio n as single entity or as joint venture partner in</p>	Must meet requirement	Must meet Requirement	N/A	Must meet fifty percent (50%) of the requirement (that is at least one work of required value of a Lot to qualify for that Lot.	Form EXP-4

	<p>at least two (2) turnkey contract/design and build constructing GIS substations of voltages 380kV or above and 50 kA short circuit level or higher and the same should be in successful operation for each lot. To be eligible for an award of more than one lot, the bidder needs to satisfy the total requirements for the lots in consideration.</p> <p>(c) Participation as single entity or as joint venture partner in at least two (2) turnkey contracts, at least one being in an Asian country for each lot.</p> <p>(d) Supply, delivery, installation, testing and commissioning of at least cumulative 1000MVA three phase (or equivalent capacity in bank of</p>					
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EXPERIENCE						
Sub-Factor	Criteria					Documentation Required
	Requirement	Bidder				
		Single Entity	Joint Venture			
			All members combined	Each member	Lead Member	
	<p>three single phase units) auto/power transformer of 380 kV or higher EHV side and the same should be in successful operation for each lot.</p> <p>Evidence shall be given by end users or taking over certificates.</p> <p>All contracts must have been successfully and substantially completed.</p>					
17. Environmental and Social Management Experience	Has developed and implemented at least two Environmental and Social Management Plans (ESMP) that include gender and social inclusion considerations for similar types of projects in the last five years prior to the Bid submission deadline.	Must meet requirement	Must meet requirement	N/A	N/A	EXP-5

EXPERIENCE						
Sub-Factor	Criteria					Documentation Required
	Requirement	Bidder				
		Single Entity	Joint Venture			
			All members combined	Each member	Lead Member	
18. Health and Safety Management Experience	Has developed at least two Health and Safety Management Plans for similar types of projects in the last five (5) years prior to the Bid submission deadline.	Must meet requirement	Must meet requirement	N/A	N/A	EXP-6

Note: For Environmental and Social Management Experience and Health and Safety Management Experience, with experience in two projects/contracts, bidders will be able to satisfy requirement for Lot 1, Lot 2 and Lot 3.

ATTACHMENT - 2

Subcontractors / Manufacturers

Subcontractors/Manufacturers for the following major items of supply or installation services must meet the following minimum criteria, herein listed for that item:

Item No.	Description the Item	Minimum criteria to be met
1	Gas Insulated Switchgear	<ul style="list-style-type: none"> I. At least five years in manufacturing of Gas Insulated Switchgear. II. Must be the manufacturer of Gas Insulated Switchgear who have been, for not less than five (5) years, a manufacturer of 380kV or above GIS and must have designed, manufactured, tested (as per or relevant international standard), supplied, at least three (3) GIS Substations having cumulative ten (10) number of Circuit breaker bays of 380kV or above and short circuit level 50 kA or above, and which should be in successful operation. III. Manufacturer shall also have supplied at least three (3) Gas Insulated Switchgear (GIS Substation) of 220kV or above voltage class during last five (5) years outside the Manufacturer's home country and which should be in successful operation. IV. The above-criteria (I, II, and III) would also be applicable to Gas Insulated Bus ducts (GIB). V. Manufacturer shall provide evidence that it is ISO 9001 certified.
2	Outdoor Capacitor Voltage Transformer for 400kV	<p>Must have designed, manufactured, tested and supplied at least three times the units required for this tender within the last 5 years prior to the date of bid opening.</p> <p>Manufacturer shall provide evidence that it is ISO 9001 certified.</p>
3	Outdoor Surge Arrester for 400 kV	<p>Must have designed, manufactured, tested and supplied at least a hundred units within last 5 years prior to bid opening.</p> <p>Manufacturer shall provide evidence that it is ISO 9001 certified.</p>
4	Substation Automation System (SAS), Relays,	<ul style="list-style-type: none"> I. At least Ten (10) years in manufacturing of SAS and relays II. Must have designed, manufactured and supplied at least thrice the quantity of SAS and relays necessitated in this tender within the last five (5) years prior to bid opening

	Energy Meter (Control and Relay Panel)	date. III. Manufacturer shall provide evidence that it is ISO 9001 certified.
5	Auto Transformer	Must have designed, manufactured, tested and supplied at least 10 (Ten) units of power/auto transformers of 380kV class or above, 300 MVA or above, within last five (5) years prior to the date of bid opening. (Three single phase units, if applicable, will be considered as one unit.) Manufacturer shall provide evidence that it is ISO 9001 certified
6	OLTC (On load tap changer)	OLTC shall be offered from among the following manufacturers: MR Germany, ABB Sweden ¹ . Manufacturer shall provide evidence that it is ISO 9001 certified.
7	Communication Equipment, Protection and Control, SCADA	Must have designed, manufactured, tested and supplied at least 10 (Ten) complete units of Communication Equipment, Protection and Control, SCADA units for major HV transmission substations. All such equipment must be designed, manufactured and tested in accordance with IEEE/IEC recommendations within the last ten (10) years prior to the date of bid opening. Manufacturer shall provide evidence that it is ISO 9001 certified
8	220 V & 48 V Battery and Battery Charger	Must have designed, manufactured, tested and supplied at least 10 (Ten) sets designed for transmission system substations installed in climatic conditions similar to Nepal within the last five (5) years prior to the date of bid opening. Manufacturer shall provide evidence that it is ISO 9001 certified.
9	XLPE Power Cable	The manufacturer must have manufactured, tested and supplied at least 100kms of XLPE power cable of 33kV or higher Voltage Class within last ten (10) years prior to the date of bid opening. Manufacturer shall provide evidence that it is ISO 9001 certified.

¹ As per NEA requirements.

Note: The Bidder must propose only one manufacturer for the above each listed major equipment (under 1 to 9) in their technical offer. Approved equipment cannot be changed without MCA-Nepal approval.

In the case of a Bidder (single entity or Joint Venture) who offers to supply and install major items of supply under the contract that the Bidder did not manufacture or otherwise produce, the Bidder shall provide the manufacturer's authorization (in the form of a letter of authorization), showing that the Bidder has been duly authorized by the manufacturer of the related plant and equipment or component to supply and install the plant and equipment in the Employer's country. In case of non-major items, it could be either manufacturer or supplier whose letter of authorization is to be provided. The supplier/ manufacturer shall comply with the requirements of ITB 5 and 6 and meet the criteria described above for that item. Furthermore, the manufacturer shall provide evidence that it is ISO 9001 certified (submission of valid certificate) and in the business for the required period of time (submission of company brochure or company registration).