



MILLENNIUM CHALLENGE ACCOUNT NEPAL (MCA-NEPAL)

Procurement of Design and Construction of Electricity Distribution System- Extension & Upgradation

MCA-N/ETP/CB/007

ADDENDUM #3

Date of Issue: 29 August 2024

This Addendum No. 3 modifies respective portions of the Bidding Document issued on 2 August 2024 and amended through Addendum#1 issued on 15 August 2024 and Addendum#2 issued on 22 August 2024. 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 2 August 2024 and amended through Addendum#1 issued on 15 August 2024 and Addendum#2 issued on 22 August 2024 remain unchanged and shall remain in full force and effect in accordance with their terms.

SN	Pages/Paragraph	Amendments
1.	Volume I, Section IV: Submission Forms 3. Bill of Quantities. PDF Page 44 to PDF Page 54 of 109	The Bill of Quantities (BoQ) is replaced by the “ Revision II-Bill-of-Quantities_Distribution-System ” as attached under Annex 1 of this Addendum #3.
2.	Part 2 Section V. Employer’s Requirement Volume II: Technical Specification & Performance Requirements (Technical Specification & Technical Data Sheet)- Chapter 14: AERIAL BUNDLED CONDUCTORS (ABC)	d) LV Aerial Bunch Cable (3C X 50+ 50 and 3C X 95+ 95 Sq mm) has been replaced with d) LV Aerial Bunch Cable (3C X 50+ 35 and 3C X 95+ 70 Sq mm)

	<p>CABLE SPECIFICATION</p> <p>Sub Chapter 5: EMBOSING ON CORES</p> <p>point (d)</p> <p>(pdf Page number 89 of 181)</p>			
<p>3.</p>	<p>Part 2 Section V. Employer's Requirement Volume II: Technical Specification & Performance Requirements (Technical Specification & Technical Data Sheet)-</p> <p>Chapter 14: AERIAL BUNDLED CONDUCTORS (ABC) CABLE SPECIFICATION</p> <p>Sub Chapter 6: SIZE AND QUALITY</p> <p>(pdf page number 89 of 181)</p>	<p>Sizes of cable shall be:</p> <p>The size of the cable will be 3C*50+50 and 3C*95+95 sq. mm. The phase conductor will be of aluminum while the messenger will be aluminum alloy. The messenger wire will also be insulated.</p> <p>The offered AB cable shall be as per relevant National and International Standards</p> <p>The required quantity of the ABC of above sizes shall be as shown in the Price Schedule(s).</p> <p>has been replaced with</p> <p>Sizes of cable shall be:</p> <p>The size of the cable will be 3C*50+35 and 3C*95+70 sq. mm. The phase conductor will be of aluminum while the messenger will be aluminum alloy. The messenger wire will also be insulated.</p> <p>The offered AB cable shall be as per relevant National and International Standards</p> <p>The required quantity of the ABC of above sizes shall be as shown in the Price Schedule(s).</p>		
<p>4.</p>	<p>Part I, Section III: Qualification and Evaluation Criteria, Manufacturers:</p> <p>Minimum Criteria to be met of Item No. 4 Aerial Bundled Conductor (ABC) with Accessories and Hardware:</p>	<p>4</p>	<p>Aerial Bundled Conductor (ABC) with Accessories and Hardware</p>	<p>i. Must have manufacturing experience of at least 7 (seven) years.</p> <p>ii. Must have successfully completed the supply of ABC Conductor with accessories and hardware, at least twice the bid quantity as a main supplier over last seven (7) years period ending on the last date of bid submission.</p>

<p>(Pdf page number 29 of 109)</p>			<ul style="list-style-type: none"> iii. Must submit the type test report of the offered item carried out by independent internationally accredited testing laboratory conducted within last 7 (seven) years iv. Must hold a valid ISO 9001 (including design in scope of registration) certifications. v. Must submit the type test report of the offered item carried out by independent internationally accredited testing laboratory conducted within last 5 (five) years
<p>has been replaced by:</p>			
	<p>4</p>	<p>Aerial Bundled Conductor (ABC) with Accessories and Hardware</p>	<ul style="list-style-type: none"> i. Must have manufacturing experience of at least 7 (seven) years. ii. Must have successfully completed the supply of ABC Conductor with accessories and hardware, at least twice the bid quantity as a main supplier over last seven (7) years period ending on the last date of bid submission. iii. Must submit the type test report of the offered item carried out by independent internationally accredited testing laboratory conducted within last 7 (seven) years iv. Must hold a valid ISO 9001 (including design in scope of registration) certifications.
<p>5. Part I, Section III: Qualification and Evaluation Criteria, Manufacturers: Minimum Criteria to be met of Item No. 5</p>	<p>5</p>	<p>Insulator (11 kV Pin/Disc Insulator and 33kV Pin insulators, with</p>	<ul style="list-style-type: none"> i. Must have manufacturing experience of at least 7 (seven) years. ii. Must have successfully completed the supply of Insulator

<p>Insulator (11 kV Pin/Disc Insulator and 33kV Pin insulators, with Accessories and Hardware:)</p> <p>(Pdf page number 29 of 109)</p>		<p>Accessories and Hardware</p>	<p>and its accessories and hardware at least twice the bid quantity as a main supplier within last Seven (7) years.</p> <ul style="list-style-type: none"> iii. Must submit the type test report of the offered item carried out by independent internationally accredited testing laboratory conducted within last 7 (seven) years iv. Must hold a valid ISO 9001 (including design in scope of registration) certifications. v. Must submit the type test report of the offered item carried out by independent internationally accredited testing laboratory conducted within last 5 (five) years
<p>has been replaced by:</p>			
	<p>5</p>	<p>Insulator (11 kV Pin/Disc Insulator and 33kV Pin insulators, with Accessories and Hardware</p>	<ul style="list-style-type: none"> i. Must have manufacturing experience of at least 7 (seven) years. ii. Must have successfully completed the supply of Insulator and its accessories and hardware at least twice the bid quantity as a main supplier within last Seven (7) years. iii. Must submit the type test report of the offered item carried out by independent internationally accredited testing laboratory conducted within last 7 (seven) years iv. Must hold a valid ISO 9001 (including design in scope of registration) certifications.

Annex 1

3. Bill of Quantities



Revision
II-Bill-of-Quantities_D

Schedules of Rates and Prices

Schedule/Bill No. 1 - Design Services

Item	Description	Unit	Total - Base+Option			Remark
			Quantity	Rate	Amount	
				USD	USD	
1	2	3	4	5	6=4*5	
1	Survey Activity					
1.1	Detailed Field Survey, preparation of Geo-graphical maps, structure data sheet, Pre-Construction survey report- District Kathmandu	LS	1			
1.2	Detailed Field Survey, preparation of Geo-graphical maps, structure data sheet, Pre-Construction survey report- District Sindupalchowk	LS	1			
1.3	Detailed Field Survey, preparation of Geo-graphical maps, structure data sheet, Pre-Construction survey report-District Nuwakot	LS	1			
1.4	Detailed Field Survey, preparation of Geo-graphical maps, structure data sheet, Pre-Construction survey report-District Makwanpur	LS	1			
1.5	Detailed Field Survey, preparation of Geo-graphical maps, structure data sheet, Pre-Construction survey report-District Dhading	LS	1			
1.6	Detailed Field Survey, preparation of Geo-graphical maps, structure data sheet, Pre-Construction survey report-District Chitwan	LS	1			
1.7	Detailed Field Survey, preparation of Geo-graphical maps, structure data sheet, Pre-Construction survey report-District Tanahau	LS	1			
1.8	Detailed Field Survey, preparation of Geo-graphical maps, structure data sheet, Pre-Construction survey report-District Palpa	LS	1			
1.9	Detailed Field Survey, preparation of Geo-graphical maps, structure data sheet, Pre-Construction survey report-District East Nawalparashi	LS	1			
1.10	Detailed Field Survey, preparation of Geo-graphical maps, structure data sheet, Pre-Construction survey report- District West Nawalparashi	LS	1			
2	Development and implementation of the document for Environmental, Health & Safety, Social and Gender Requirements. For Details refer to ESHSMP BoQ	LS	1			Total Price to be quoted from the total of ESHSMP BoQ.
3.1	Final Survey, preparation of as built drawing, final structure data sheet, Final survey report- District Kathmandu	LS	1			
3.2	Final Survey, preparation of as built drawing, final structure data sheet, Final survey report- District Sindupalchowk	LS	1			
3.3	Final Survey, preparation of as built drawing, final structure data sheet, Final survey report-District Nuwakot	LS	1			
3.4	Final Survey, preparation of as built drawing, final structure data sheet, Final survey report-District Makwanpur	LS	1			
3.5	Final Survey, preparation of as built drawing, final structure data sheet, Final survey report-District Dhading	LS	1			
3.6	Detailed Field Survey, preparation of Geo-graphical maps, structure data sheet, Pre-Construction survey report-District Chitwan	LS	1			
3.7	Final Survey, preparation of as built drawing, final structure data sheet, Final survey report-District Tanahau	LS	1			
3.8	Final Survey, preparation of as built drawing, final structure data sheet, Final survey report- District Palpa	LS	1			
3.9	Final Survey, preparation of as built drawing, final structure data sheet, Final survey report-District East Nawalparashi	LS	1			
3.10	Final Survey, preparation of as built drawing, final structure data sheet, Final survey report- District West Nawalparashi	LS	1			
Sub-Total (1)						

Note: Detailed Field Survey includes detailed Engineering Survey and Environment and Social Assessment for Base and Option.

Schedule/Bill No. 2 - Plant and Mandatory Spare Parts Supplied from Abroad

Item	Description	Unit	Base					Option					Total					Remarks			
			Quantity	CIP Nepal Border (Excluding Taxes & Duties) (USD)		Insurance, Clearing, forwarding & Transportation to site (USD)		Total Amount in USD	Quantity	CIP Nepal Border (Excluding Taxes & Duties) FC (USD)		Insurance, Clearing, forwarding & Transportation to site LC (USD)		Total Amount in USD	Quantity	CIP Nepal Border (Excluding Taxes & Duties) FC (USD)			Insurance, Clearing, forwarding & Transportation to site LC (USD)		Total Amount in USD
				Unit Rate	Amount	Unit Rate	Amount			Unit Rate	Amount	Unit Rate	Amount			Unit Rate	Amount		Unit Rate	Amount	
<u>33KV,11KV 0.4KVLIN,11/0.4 TRANSFORMER</u>																					
1	11 KV line Construction(TP pole, 0.1 sq in ACSR)																				
1.1	11 m Long Steel Tubular Pole (410 SP52)	No.	1748					350						2098							
1.2	100 mm sq in ACSR Conductor	Km	330					91						421							
1.3	11 KV pin Insulator set with spindle	Set	6941					1389						8330							
1.4	11 KV Disc Insulator	No.	3378					676						4054							
1.5	Tension Set with ball & socket eye	set	3378					676						4054							
1.6	BackStrap for Insulator string (50x6x404mm) with nut bolt	No.	3378					676						4054							
1.7	Joint Sleeve(For Dog Aluminium &Steel)	LS	1					1						2							
1.8	Aluminium Binding Wire	Kg	1,365					273						1,638.00							
1.9	Universal PG clamp (For dog Conductor)	No.	2589					518						3107							
1.10	Stay Set Complete (Stay plate 600x600x6mm, Stay Rod 19 mm dia, HT Turn Buckle, Pole Clamp, HT Eye Bolt, HT Thimble, Preform Tie, Stay Nut)	Set	700					140						840							
1.11	Stay wire (7/8 SWG)	Kg	8400					1680						10080							
1.12	11kV Stay Insulator	No.	700					140						840							
1.13	Pole Clamps and nut bolt for the total pole frames that isrequired to complete the scope of work.	LS	1					1						2							
1.14	Steel Cross arm (300x100x50x50x6mm) with suitable pole clamp and nut bolt	Set	2267					454						2721							
1.15	Steel Cross arm (1200x100x50x50x6mm) with suitable pole clamp and nut bolt	Set	2390					478						2868							
1.16	Steel Cross bracing Flat (40x6x660 mm) and pole clamp , nutbolt	Set	4780					956						5736							
1.17	Steel Cross arm (2390x100x50x50x6mm) with suitable nut bolt	Set	394					79						473							
1.18	Steel Cross Bracing angle (2723x50x50x6mm) with pole clamp and nut bolt	Set	336					68						404							
1.19	Steel Bracing angle (2071x50x50x6mm) with pole clamp and nutbolt	Set	336					68						404							

Item	Description	Unit	Base					Option					Total					Remarks			
			Quantity	CIP Nepal Border (Excluding Taxes & Duties) (USD)		Insurance, Clearing, forwarding & Transportation to site (USD)		Total Amount in USD	Quantity	CIP Nepal Border (Excluding Taxes & Duties) FC (USD)		Insurance, Clearing, forwarding & Transportation to site LC (USD)		Total Amount in USD	Quantity	CIP Nepal Border (Excluding Taxes & Duties) FC (USD)			Insurance, Clearing, forwarding & Transportation to site LC (USD)		Total Amount in USD
				Unit Rate	Amount	Unit Rate	Amount			Unit Rate	Amount	Unit Rate	Amount			Unit Rate	Amount		Unit Rate	Amount	
Sub-Total (A)																					
2	Manufacturing, Transportation and supply of LT AB cable 3C X 95 +70 sq. mm. (insulated messenger wire) along with all associated accessories including necessary FAT and site acceptance test.																				
2.1	8 m long Steel Tubular Pole (410 SP13)	No.	852					171					1023								
2.2	Suspension set including steel band for LV ABC Cable including all accessories complete	No.	897					180					1077								
2.3	Tension Set including steel band for LV ABC Cable including all accessories complete	No.	543					109					652								
2.4	LT AB cable 3C X 95 +70 sq. mm.	Km	65					91					156								
2.5	Cable Connector	LS	1					1					2								
2.6	Stay Set Complete (Stay Plate 300x300x6, Stay Rod 16mm, Stay Insulator, LT Eye bolt, LT Turn buckle, LT Thimble, Pole Clamp, Preform Tie)	Set	113					23					136								
2.7	7/12 SWG Stay Wire	Kg	1017					204					1221								
Sub-Total (B)																					
3	Manufacturing, Transportation and supply of LT AB cable 3C X 50 +35 sq. mm. (insulated messenger wire) along with all associated accessories including necessary FAT and site acceptance test.																				
3.1	8 m long Steel Tubular Pole (410 SP13)	No.	1502					301					1803								
3.2	Suspension set including steel band for LV ABC Cable including all accessories complete	No.	6571					1315					7886								
3.3	Tension Set including steel band for LV ABC Cable including all accessories complete	No.	3978					796					4774								
3.4	LT AB cable 3C X 50 +35 sq. mm.	Km	476.7					96					572.7								
3.5	Cable Connector	LS	1					1					2								
3.6	Stay Set Complete (Stay Plate 300x300x6, Stay Rod 16mm, Stay Insulator, LT Eye bolt, LT Turn buckle, LT Thimble, Pole Clamp, Preform Tie)	Set	829					166					995								
3.7	7/12 SWG Stay Wire	Kg	7457.4					1492					8949.4								
Sub-Total (C)																					
4	Manufacturing, Transportation and Supply of 3-Phase 11/0.4KV Transformer (200KVA) DYn11, Rated impedance voltage-3.5 - 4.5%, Distribution Transformer, with CRGO core, copper winding &																				

Item	Description	Unit	Base					Option					Total					Remarks			
			Quantity	CIP Nepal Border (Excluding Taxes & Duties) (USD)		Insurance, Clearing, forwarding & Transportation to site (USD)		Total Amount in USD	Quantity	CIP Nepal Border (Excluding Taxes & Duties) FC (USD)		Insurance, Clearing, forwarding & Transportation to site LC (USD)		Total Amount in USD	Quantity	CIP Nepal Border (Excluding Taxes & Duties) FC (USD)			Insurance, Clearing, forwarding & Transportation to site LC (USD)		Total Amount in USD
				Unit Rate	Amount	Unit Rate	Amount			Unit Rate	Amount	Unit Rate	Amount			Unit Rate	Amount		Unit Rate	Amount	
	<i>conservator along with all accessories as per TS alongwith all associated equipment & accessories as per TS including necessary FAT and site acceptance test.</i>																				
4.1	3-Phase 11/0.4KV Transformer (200KVA) DYn11	No.																			
4.2	Transformer Platform Complete include DO,LA fitting Channels, Pole Clamps,Nutbolts (Consider 75kg Steel weight per platform)	sets																			
4.4	9 kv L.A. (3 nos. per set)	Set																			
4.5	D.O. fuse (3 nos. per set)	Set																			
4.6	Earthing set (2 Nos. per set for each Transformer)	Set																			
4.7	400/230 V LT 1 Core,120 sq mm Aluminium, PVC Insulated Cable.	m																			
4.8	Outdoor Distribution Panel Board with MCCBs 500 A, TP-1, 250 A, TP-2 with clamp and nutbolt	No.																			
	Sub-Total (D)																				
5	<i>Manufacturing, Transportation and Supply of 3-Phase 11/0.4KV Transformer (50KVA) DYn11, Rated impedance voltage-3.5 - 4.5%, Distribution Transformer, with CRGO core, copper winding & conservator along with all accessories as per TS alongwith all associated equipment & accessories as per TS including necessary FAT and site acceptance test.</i>																				
5.1	3-Phase 11/0.4KV Transformer (50KVA) DYn11	No.	108					22					130.00								
5.2	Transformer Platform Complete include DO,LA fitting Channels, Pole Clamps,Nutbolts (Consider 75kg Steel weight per platform)	No.	108					22					130.00								
5.3	9 kv L.A. (3 nos. per set)	set	108					22					130.00								
5.4	D.O. fuse (3 nos. per set)	set	108					22					130.00								
5.5	Earthing set (2 Nos. per set for each Transformer)	set	108					22					130.00								
5.6	400/230 V LT 1 Core,120 sq mm Aluminium, PVC Insulated Cable.	m	540					108					648.00								
5.7	Outdoor Distribution Panel Board with MCCBs 300 A, TP-1, 150 A, TP-2 with pole clamp and nut bolt	No.	108					22					130.00								
	Sub-Total (E)																				
6	<i>Manufacturing, Transportation and Supply of 3-Phase 11/0.4KV Transformer (100KVA) DYn11, Rated</i>																				

Item	Description	Unit	Base					Option					Total					Remarks			
			Quantity	CIP Nepal Border (Excluding Taxes & Duties) (USD)		Insurance, Clearing, forwarding & Transportation to site (USD)		Total Amount in USD	Quantity	CIP Nepal Border (Excluding Taxes & Duties) FC (USD)		Insurance, Clearing, forwarding & Transportation to site LC (USD)		Total Amount in USD	Quantity	CIP Nepal Border (Excluding Taxes & Duties) FC (USD)			Insurance, Clearing, forwarding & Transportation to site LC (USD)		Total Amount in USD
				Unit Rate	Amount	Unit Rate	Amount			Unit Rate	Amount	Unit Rate	Amount			Unit Rate	Amount		Unit Rate	Amount	
	<i>impedance voltage-3.5 - 4.5%, Distribution Transformer, with CRGO core, copper winding & conservator along with all accessories as per TS alongwith all associated equipment & accessories as per TS including necessary FAT and site acceptance test.</i>																				
6.1	3-Phase 11/0.4KV Transformer (100KVA) DYn11	No.	89					18						107.00							
6.2	Transformer Platform Complete include DO,LA fitting Chanel, Pole Clamps,Nutbolts (Consider 75kg Steel weight per platform)	Set	89					18						107.00							
6.3	9 kv L.A. (3 nos. per set)	set	89					18						107.00							
6.4	D.O. fuse (3 nos. per set)	set	89					18						107.00							
6.5	Earthing set (2 Nos. per set for each Transformer)	set	89					18						107.00							
6.6	400/230 V LT 1 Core,120 sq mm Aluminium, PVC Insulated Cable.	m	445					89						534.00							
6.7	Outdoor Distribution Panel Board with MCCBs 150 A, TP-1TP-1, 75 A, TP-2 with pole clamp and nut bolt	No.	89					18						107.00							
Sub-Total (F)																					
Sub- Total (2) (A+B+C+D+E+F)																					

Note:
The prices for Plant, Goods and Equipment to be supplied from abroad shall be quoted on CIP Nepal Border (Excluding Taxes & Duties) plus Insurance, Clearing, forwarding & Transportation to the site. The Contractor shall also be responsible for custom clearance and all other associated charges (inside and outside Nepal, including loading, unloading) to bring all required Goods, Materials, Plant and Equipment to Works Site. The bidder shall include all cost in their bid price.
The Employer will provide tax exemption documents where required. If required, documents as per MCA-Nepal tax exemption process shall be submitted minimum 60 days before arrival of the Goods, Material, Plant and Equipment at Nepal's border. Tentative list of Goods, Material, Plant and Equipment to be imported shall also be submitted to MCA-Nepal on an annual basis for each Nepalese Fiscal Year.

Schedule/Bill No. 3 - Plant and Mandatory Spare Parts Supplied from Nepal

Item	Description	Unit	Base					Option					Total					Remark			
			Quantity	EXW (Excluding Taxes & Duties) (USD)		Insurance & Transportation to site (USD)		Total Amount in USD	Quantity	EXW (Excluding Taxes & Duties) FC (USD)		Insurance & Transportation to site LC (USD)		Total Amount in USD	Quantity	EXW (Excluding Taxes & Duties) FC (USD)			Insurance & Transportation to site LC (USD)		Total Amount in USD
				Unit Rate	Amount	Unit Rate	Amount			Unit Rate	Amount	Unit Rate	Amount			Unit Rate	Amount		Unit Rate	Amount	
33KV,11KV 0.4KVLIN,11/0.4 TRANSFORMER																					
1	11 KV line Construction(TP pole, 0.1 sq in ACSR)																				
1.1	11 m Long Steel Tubular Pole (410 SP52)	No.																			
1.2	100 mm sq in ACSR Conductor	Km																			
1.3	11 KV pin Insulator set with spindle	Set																			
1.4	11 KV Disc Insulator	No.																			
1.5	Tension Set with ball & socket eye	set																			
1.6	BackStrap for Insulator string (50x6x404mm) with nut bolt	No.																			
1.7	Joint Sleeve(For Dog Aluminium &Steel)	LS																			
1.8	Aluminium Binding Wire	Kg																			
1.9	Universal PG clamp (For dog Conductor)	No.																			
1.10	Stay Set Complete (Stay plate 600x600x6mm, Stay Rod 19 mm dia, HT Turn Buckle, Pole Clamp, HT Eye Bolt, HT Thimble, Preform Tie, Stay Nut)	Set																			
1.11	Stay wire (7/8 SWG)	Kg																			
1.12	11kV Stay Insulator	No.																			
1.13	Pole Clamps and nut bolt for the total pole frames that is required to complete the scope of work.	LS																			
1.14	Steel Cross arm (300x100x50x50x6mm) with suitable pole clamp and nut bolt	Set																			
1.15	Steel Cross arm (1200x100x50x50x6mm) with suitable pole clamp and nut bolt	Set																			
1.16	Steel Cross bracing Flat (40x6x660 mm) and pole clamp , nutbolt	Set																			
1.17	Steel Cross arm (2390x100x50x50x6mm) with suitable nut bolt	Set																			
1.18	Steel Cross Bracing angle (2723x50x50x6mm) with pole clamp and nut bolt	Set																			
1.19	Steel Bracing angle (2071x50x50x6mm) with pole clamp and nutbolt	Set																			
Sub-Total (A)																					
2	Manufacturing, Transportation and supply of LT AB cable 3C X 95 +70 sq. mm. (insulated messenger wire) along with all associated accessories including necessary FAT and site acceptance test.																				
2.1	8 m long Steel Tubular Pole (410 SP13)	No.																			
2.2	Suspension set including steel band for LV ABC Cable including all accessories complete	No.																			
2.3	Tension Set including steel band for LV ABC Cable including all accessories complete	No.																			
2.4	LT AB cable 3C X 95 +70 sq. mm.	Km																			
2.5	Cable Connector	LS																			

Item	Description	Unit	Base					Option					Total					Remark			
			Quantity	EXW (Excluding Taxes & Duties) (USD)		Insurance & Transportation to site (USD)		Total Amount in USD	Quantity	EXW (Excluding Taxes & Duties) FC (USD)		Insurance & Transportation to site LC (USD)		Total Amount in USD	Quantity	EXW (Excluding Taxes & Duties) FC (USD)			Insurance & Transportation to site LC (USD)		Total Amount in USD
				Unit Rate	Amount	Unit Rate	Amount			Unit Rate	Amount	Unit Rate	Amount			Unit Rate	Amount		Unit Rate	Amount	
2.6	Stay Set Complete (Stay Plate 300x300x6, Stay Rod 16mm, Stay Insulator, LT Eye bolt, LT Turn buckle, LT Thimble, Pole Clamp, Preform Tie)	Set																			
2.7	7/12 SWG Stay Wire	Kg																			
Sub-Total (B)																					
3	Manufacturing, Transportation and supply of LT AB cable 3C X 50 +35 sq. mm. (insulated messenger wire) along with all associated accessories including necessary FAT and site acceptance test.																				
3.1	8 m long Steel Tubular Pole (410 SP13)	No.																			
3.2	Suspension set including steel band for LV ABC Cable including all accessories complete	No.																			
3.3	Tension Set including steel band for LV ABC Cable including all accessories complete	No.																			
3.4	LT AB cable 3C X 50 +35 sq. mm.	Km																			
3.5	Cable Connector	LS																			
3.6	Stay Set Complete (Stay Plate 300x300x6, Stay Rod 16mm, Stay Insulator, LT Eye bolt, LT Turn buckle, LT Thimble, Pole Clamp, Preform Tie)	Set																			
3.7	7/12 SWG Stay Wire	Kg																			
Sub-Total (C)																					
4	Manufacturing, Transportation and Supply of 3-Phase 11/0.4KV Transformer (200KVA) DYn11, Rated impedance voltage-3.5 - 4.5%, Distribution Transformer, with CRGO core, copper winding & conservator along with all accessories as per TS along with all associated equipment & accessories as per TS including necessary FAT and site acceptance test.																				
4.1	3-Phase 11/0.4KV Transformer (200KVA) DYn11	No.																			
4.2	Transformer Platform Complete include DO,LA fitting Channels, Pole Clamps, Nutbolts (Consider 75kg Steel weight per platform)	sets																			
4.4	9 kv L.A. (3 nos. per set)	Set																			
4.5	D.O. fuse (3 nos. per set)	Set																			
4.6	Earthing set (2 Nos. per set for each Transformer)	Set																			
4.7	400/230 V LT 1 Core,120 sq mm Aluminium, PVC Insulated Cable.	m																			
4.8	Outdoor Distribution Panel Board with MCCBs 500 A, TP-1, 250 A, TP-2 with clamp and nut bolt	No.																			
Sub-Total (D)																					
	Manufacturing, Transportation and Supply of 3-Phase 11/0.4KV Transformer (50KVA) DYn11, Rated impedance voltage-3.5 - 4.5%, Distribution Transformer, with CRGO core, copper winding & conservator along with all accessories as per TS along with all associated equipment & accessories																				

Item	Description	Unit	Base					Option					Total					Remark			
			Quantity	EXW (Excluding Taxes & Duties) (USD)		Insurance & Transportation to site (USD)		Total Amount in USD	Quantity	EXW (Excluding Taxes & Duties) FC (USD)		Insurance & Transportation to site LC (USD)		Total Amount in USD	Quantity	EXW (Excluding Taxes & Duties) FC (USD)			Insurance & Transportation to site LC (USD)		Total Amount in USD
				Unit Rate	Amount	Unit Rate	Amount			Unit Rate	Amount	Unit Rate	Amount			Unit Rate	Amount		Unit Rate	Amount	
	<i>as per TS including necessary FAT and site acceptance test.</i>																				
5.1	3-Phase 111/0.4KV Transformer (50KVA) DYn11	No.																			
5.2	Transformer Platform Complete include DO,LA fitting Channels, Pole Clamps,Nutbolts (<i>Consider 75kg Steel weight per platform</i>)	No.																			
5.3	9 kv L.A. (3 nos. per set)	set																			
5.4	D.O. fuse (3 nos. per set)	set																			
5.5	Earthing set (<i>2 Nos. per set for each Transformer</i>)	set																			
5.6	400/230 V LT 1 Core,120 sq mm Aluminium, PVC Insulated Cable.	m																			
5.7	Outdoor Distribution Panel Board with MCCBs 300 A, TP-1, 150 A, TP-2 with pole clamp and nut bolt	No.																			
	Sub-Total (E)																				
6.00	<i>Manufacturing, Transportation and Supply of 3-Phase 11/0.4KV Transformer (100KVA) DYn11, Rated impedance voltage-3.5 - 4.5%, Distribution Transformer, with CRGO core, copper winding & conservator along with all accessories as per TS alongwith all associated equipment & accessories as per TS including necessary FAT and site acceptance test.</i>																				
6.1	3-Phase 11/0.4KV Transformer (100KVA) DYn11	No.																			
6.2	Transformer Platform Complete include DO,LA fitting Channels, Pole Clamps, Nutbolts (<i>Consider 75kg Steel weight per platform</i>)	Set																			
6.3	9 kv L.A. (3 nos. per set)	set																			
6.4	D.O. fuse (3 nos. per set)	set																			
6.5	Earthing set (<i>2 Nos. per set for each Transformer</i>)	set																			
6.6	400/230 V LT 1 Core,120 sq mm Aluminium, PVC Insulated Cable.	m																			
6.7	Outdoor Distribution Panel Board with MCCBs 150 A, TP-1TP-1, 75 A, TP-2 with pole clamp and nut bolt	No.																			
	Sub-Total (F)																				
	Sub- Total (2) (A+B+C+D+E+F)																				

Note:

1. The total quantity stated under Schedule/Bill No. 2. In case the Offeror is offering the particular items from Nepal they shall quote for the same quantity under Schedule/Bill No. 3 and shall not fill under schedule/Bill No.2.

2. The prices for Plant, Goods and Equipment to be supplied from Nepal shall be quoted on EXW (Excluding Taxes & Duties) plus Insurance & Transportation to site. The Contractor shall also be responsible for loading, unloading and other associated charge to bring all required Goods, Material, Plant and Equipment to Works Site. The bidder shall include all cost in their bid price.

Schedule/Bill No.4 - Installation and Other Services

Item	Description	Unit	Base			Option			Total			Remark
			Quantity	Unit Rate	Amount	Quantity	Unit Rate	Amount	Quantity	Unit Rate	Amount	
33KV,11KV 0.4KVLINE,11/0.4 TRANSFORMER												
A. 33kV & 11 KV line Construction (TP pole, 0.1 sq.in. ACSR)												
1	11 m long steel tubular pole Erection, including necessary civil works.	nos.	1748.00			350.00			2098.00			
2	Stringing of 0.1 sq.in. ACSR Conductor, 3 wire Stringing 11 kV S/C line including all fittings, accessories and hardwres.	kms.	110.00			31.00			141.00			
3	Installation of 11kV Stay Set complete in all respect as per TS	sett	700.00			140.00			840.00			
4	Dismantling of Pole (Works includes dismantling and carry back to designated office safely)	Set	11.00			4.00			15.00			
5	Dismantling of Conductor (Works includes dismantling and carry back to designated office safely)	kms.	70.00			14.00			84.00			
Sub-Total (A)												
B. LT AB cable 3C X 95 +70 sq. mm. (insulated messenger wire) along with all associated accessories												
1	Stringing of LT AB cable 3C X 95 +70 sq. mm. including hardware fitting	Km	65.00			13.00			78.00			
2	8m long Steel tubular Pole Erection , including necessary civil works.	No	852.00			171.00			1023.00			
3	Stay set installation	set	113.00			23.00			136.00			
4	Dismantling of Pole (Works includes dismantling and carry back to designated office safely)	set	86.00			18.00			104.00			
5	Dismantling of Conductor (Works includes dismantling and carry back to designated office safely)	Km	7.00			2.00			9.00			
Sub-Total (B)												
C. LT AB cable 3C X 50 +35 sq. mm. (insulated messenger wire) along with all associated accessories												
1	Stringing of LT AB cable 3C X 50 +35 sq. mm. including hardware fitting	Km	476.70			96.00			572.70			
2	8m long Steel Tubular Pole Erection , including necessary civil works.	No	1502.00			301.00			1803.00			
3	Stay set installation	set	829.00			166.00			995.00			
4	Dismantling of Pole (Works includes dismantling and carry back to designated office safely)	set	151.00			31.00			182.00			
5	Dismantling of Conductor (Works includes dismantling and carry back to designated office safely)	Km	151.00			31.00			182.00			
Sub-Total (C)												
D. 11/0.4KV Transformer Installation(200KVA)												
1	LA erection	set	0.00			0.00			0.00			
2	Transformer erection include Platform, Distribution Panel Board & Cable	set	0.00			0.00			0.00			
3	Earthing set installation	set	0.00			0.00			0.00			
4	DO fuse installation	set	0.00			0.00			0.00			
5	Dismantling of Transformer (Works includes dismantling and carry back to designated office safely)	set	0.00			0.00			0.00			
Sub-Total (D)												
E. 11/0.4KV Transformer Installation(100KVA)												
1	LA erection	set	108.00			22.00			130.00			
2	Transformer erection include Platform, Distribution Panel Board & Cable	set	108.00			22.00			130.00			
3	earthing set installation	set	108.00			22.00			130.00			
4	DO fuse installation	set	108.00			22.00			130.00			
5	Dismantling of Transformer (Works includes dismantling and carry back to designated office safely)	set	38.00			8.00			46.00			
Sub-Total (E)												
F. 11/0.4KV Transformer Installation(50KVA)												
1	LA erection	set	89.00			18.00			107.00			
2	Transformer erection include Platform, Distribution Panel Board & Cable	set	89.00			18.00			107.00			
3	earthing set installation	set	89.00			18.00			107.00			
4	DO fuse installation	set	89.00			18.00			107.00			
5	Dismantling of Transformer (Works includes dismantling and carry back to designated office safely)	set	32.00			7.00			39.00			
Sub-Total (F)												
Sub-Total (4) (A+B+C+D+E+F)												

ESHSMP BOQ

S. No.	ESHSMP related Work	Unit	Quantity	Rate in USD	Amount in USD
1.	General Mitigation Measures				
1.01	Develop a Contractor's Environmental, Social, Health, and Safety Management Plan (CESHSMP) based on Employer's ESHSMP	LS	1		
1.02	Conduct employee induction training on Anti-Sexual Harassment Policy, Gender based Violence, Worker's Code of Conduct, GRM, Environmental, Social, Cultural sensitivity as specified in the ESHSMP before commencement of site activities as well as bi-annually refresher training	LS	1		
1.03	Conduct training to the Contractor's employees on TIP risks including child labor	LS	1		
1.04	Conduct training on Occupational Health and Safety including hazardous materials	LS	1		
1.05	Develop and implement Grievance Redress Mechanism for addressing grievances from Workers and Community	LS	1		
2.	Physical Environment Mitigation Measures				
2.01	Manage excavated soils and control erosion	LS	1		
2.02	Spray disturbed areas with water if substantive off-site fugitive dust impacts occur	LS	1		
2.03	Provide appropriate toilet facilities and bury all organic wastes	LS	1		
2.04	Provide secondary containment for any fuel or hazardous materials	LS	1		
2.05	Collect, segregate and dispose all waste for reuse, recycle, or disposal at approved facilities	LS	1		
3.	Biological Environmental Mitigation Measures				
3.01	Conduct environmental and social impact and mitigation survey through checklist prepared and approved by the engineer and employer	LS	1		
3.02	Implement forest fire management strategy	LS	1		
-	-	-	-		
4.	Socio-economic and Cultural Environment Mitigation Measures				
4.01	Implement Workforce Management Plan	LS	1		
4.02	Implement Worker Access Management Protocol	LS	1		
-	-	-	-	-	-
5	Gender, Social Inclusion and Counter-TIP Measures				
5.01	Develop and implement Anti-Sexual Harassment Policy	LS	1		
5.02	Develop and Implement TIP Risk Management Plan	LS	1		
-	-	-	-	-	
6	Health and Safety Measures				
6.01	Personal Protective Equipment (PPEs) and specialized PPEs for erection and stringing activities	LS	1		
6.02	First Aid Kits and necessary Emergency medical items as required	LS	1		
6.03	Any other items not mentioned above but the bidder may wish to include as per standard practice and mentioned in ESHSMP document.	LS	1		
	Total to be taken to Schedule/Bill No. 1 - Design Services, item No. 2				

Note:

1 Bidder to consider the price of all items under annex 6 (from volume III) in the table above and the total shall be included in the bill of quantity item #2 under Schedule/Bill No. 1: Design_Services.

Schedule No/Bill No. 5 - Grand Summary

S. N.	Description	Base Price	Option Price	Total Price	Remark
		Foreign (USD)	Foreign (USD)	Foreign (USD)	
1	Schedule/Bill No. 1 - Design Services				
2	Schedule/Bill No. 2 - Plant and Mandatory Spare Parts Supplied from Abroad				
3	Schedule/Bill No. 3 - Plant and Mandatory Spare Parts Supplied from Nepal				
4	Schedule/Bill No.4 - Installation and Other Services				
Grand Total (Excluding VAT)					
	VAT (if applicable)				
	Grand Total (Including VAT)				

Note: Evaluation and Comparison of Bid and award of Contract will be based on Grand Total (Excluding VAT)
