

Amendment No. 3

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"

In accordance with the ITB 8.1 of the bidding document for 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", the following amendments have been made in bidding document

S.N.	Clause Ref	Existing	Amendment																																								
1	Vol I, Section 2 BDS, Clause ITB 21.1.	The Bidder shall furnish a bid security in the amount of: US\$ 1,220,000.00 or an equivalent amount in Nepalese Rupees (NRs)	The Bidder shall furnish a bid security in the amount of: US\$ 1,248,000.00 or an equivalent amount in Nepalese Rupees (NRs)																																								
2	Vol I, Section 2 BDS, Clause ITB 24.1	The deadline for bid submission is Date: 29 July 2019 Time: 12:00 Noon (Local Time)	The deadline for bid submission is Date: 13 August 2019 Time: 12:00 Noon (Local Time)																																								
3	Vol I, Section 2 BDS, Clause ITB 27.1	The bid opening of Technical Bids shall take place at Date: : 29 July 2019 Time: 12:30 Hours (Local Time)	The bid opening of Technical Bids shall take place at Date: : 13 August 2019 Time: 12:30 Hours (Local Time)																																								
		<table border="1"> <thead> <tr> <th>Item No.</th> <th>Description</th> <th>Qty</th> <th>Unit</th> </tr> </thead> <tbody> <tr> <td>A)</td> <td>420kV SF6 Gas Insulated Switchgear and Accessories</td> <td></td> <td></td> </tr> <tr> <td>f)</td> <td>400 kV, SF6 to Air Bushing alongwith associated support structure for</td> <td></td> <td></td> </tr> <tr> <td>ii</td> <td>2000A, 50kA for 1 sec. Single Phase</td> <td>6</td> <td>nos</td> </tr> <tr> <td colspan="2" style="text-align: center;">New Item</td> <td></td> <td></td> </tr> </tbody> </table>	Item No.	Description	Qty	Unit	A)	420kV SF6 Gas Insulated Switchgear and Accessories			f)	400 kV, SF6 to Air Bushing alongwith associated support structure for			ii	2000A, 50kA for 1 sec. Single Phase	6	nos	New Item				<table border="1"> <thead> <tr> <th>Item No.</th> <th>Description</th> <th>Qty</th> <th>Unit</th> </tr> </thead> <tbody> <tr> <td>A)</td> <td>420kV SF6 Gas Insulated Switchgear and Accessories</td> <td></td> <td></td> </tr> <tr> <td>f)</td> <td>400 kV, SF6 to Air Bushing alongwith associated support structure for</td> <td></td> <td></td> </tr> <tr> <td>ii</td> <td>2000A, 50kA for 1 sec. Single Phase</td> <td>7</td> <td>nos</td> </tr> <tr> <td>g)</td> <td>420 kV Auxiliary Bus to connect spare unit of Transformer [Module description as per technical specification, Chapter 1-PSR]]</td> <td>1</td> <td>Sets</td> </tr> </tbody> </table>	Item No.	Description	Qty	Unit	A)	420kV SF6 Gas Insulated Switchgear and Accessories			f)	400 kV, SF6 to Air Bushing alongwith associated support structure for			ii	2000A, 50kA for 1 sec. Single Phase	7	nos	g)	420 kV Auxiliary Bus to connect spare unit of Transformer [Module description as per technical specification, Chapter 1-PSR]]	1	Sets
Item No.	Description	Qty	Unit																																								
A)	420kV SF6 Gas Insulated Switchgear and Accessories																																										
f)	400 kV, SF6 to Air Bushing alongwith associated support structure for																																										
ii	2000A, 50kA for 1 sec. Single Phase	6	nos																																								
New Item																																											
Item No.	Description	Qty	Unit																																								
A)	420kV SF6 Gas Insulated Switchgear and Accessories																																										
f)	400 kV, SF6 to Air Bushing alongwith associated support structure for																																										
ii	2000A, 50kA for 1 sec. Single Phase	7	nos																																								
g)	420 kV Auxiliary Bus to connect spare unit of Transformer [Module description as per technical specification, Chapter 1-PSR]]	1	Sets																																								



Item No.	Description	Qty	Unit	Item	Description	Qty	Unit
B)	245 kV SF6 Gas Insulated Switchgear and Accessories			B)	245 kV SF6 Gas Insulated Switchgear and Accessories		
b	220kV, SF6 to Air Bushing alongwith associated support structure for			b	220kV, SF6 to Air Bushing alongwith associated support structure for		
b.1	2000A, 40kA for 1 sec. Single Phase	6	nos	b.1	2000A, 40kA for 1 sec. Single Phase	7	nos
c	220kV, SF6 to Cable Bushing alongwith associated support structure			c	220kV, SF6 to Cable Bushing alongwith associated support structure		
c.1	2000A, 40kA for 1 sec. Single Phase	6	nos	c.1	2000A, 40kA for 1 sec. Single Phase	7	nos
	New Item			d	245kV, SF6 GIS Bus Bar Module (EXTENSION)[Module description as per technical specification, Chapter 1- PSR]	2	Sets
	New Item			e	245kV, SF6 GIS Auto Transformer bay Module [Module description as per technical specification, Chapter 1- PSR]	2	Sets
	New Item			f	245 kV Auxiliary Bus to connect spare unit of Transformer [Module description as per Technical specification]	1	Set
Item No.	Description	Qty	Unit	Item No.	Description	Qty	Unit
E)	420KV Outdoor Equipment			E)	420KV Outdoor Equipment		
1	336KV Surge Arrester (1-phase)	12	Nos.	1	336KV Surge Arrester (1-phase)	13	Nos.
2	420kV BPI(1-Ph)	12	Nos.	2	420kV BPI(1-Ph)	13	Nos.
F)	245KV Outdoor Equipment			F)	245KV Outdoor Equipment		
1	216KV Surge Arrester (1-phase)	6	Nos.	1	216KV Surge Arrester (1-phase)	7	Nos.
2	245kV BPI(1-Ph)	6	Nos.	2	245kV BPI(1-Ph)	7	Nos.
H	Erection Hardware			H	Erection Hardware		
	New Item			H.3	For spare unit of 400/220/33 kV auto transformer connection through auxiliary buses (tertiary & Neutral auxiliary buses only), Neutral formation and delta formation (for two bank): Required 72.5 kV BPI for tertiary auxiliary bus & delta formation, 36 kV BPI for Neutral formation & Neutral auxiliary bus including AI tube,bus-bar materials, clamps, spacers, connectors, including equipment connectors, support structures , Earthing of spare unit as per technical specification.	1	Lot
I	CONTROL RELAY AND PROTECTION PANELS (WITH AUTOMATION)			I	CONTROL RELAY AND PROTECTION PANELS (WITH AUTOMATION)		
	New Item			3	220kv		
				a	CB Relay Panel With out Auto Reclose	2	Sets
Item No.	Description	Qty	Unit	Item No.	Description	Qty	Unit
A)	420kV SF6 Gas Insulated Switchgear and Accessories			A)	420kV SF6 Gas Insulated Switchgear and Accessories		
g)	400 kV, SF6 to Air Bushing alongwith associated support structure for			g)	400 kV, SF6 to Air Bushing alongwith associated support structure for		
ii	2000A, 50kA for 1 sec. Single Phase	6	nos	ii	2000A, 50kA for 1 sec. Single Phase	7	nos
	New Item			h)	420 kV Auxiliary Bus to connect spare unit of Transformer [Module description as per technical specification, Chapter 1-PSR]]	1	Sets

Vol III,
BPS, New
Khimti
Substation
, Price
Schedule
No. 1 &
4(a)

4



5
Vol III,
BPS,
Barhabise,
Price
Schedule
No. 1 &
4(a)

B)	245 kV SF6 Gas Insulated Switchgear and Accessories			B)	245 kV SF6 Gas Insulated Switchgear and Accessories		
b	220kV, SF6 to Air Bushing alongwith associated support structure for			b	220kV, SF6 to Air Bushing alongwith associated support structure for		
b.1	2000A, 40kA for 1 sec. Single Phase	6	nos	b.1	2000A, 40kA for 1 sec. Single Phase	7	nos
c	220kV, SF6 to Cable Bushing alongwith associated support structure			c	220kV, SF6 to Cable Bushing alongwith associated support structure		
c.1	2000A, 40kA for 1 sec. Single Phase	6	nos	c.1	2000A, 40kA for 1 sec. Single Phase	7	nos
New Item				d	245kV, SF6 GIS Bus Bar Module (EXTENSION)[Module description as per technical specification, Chapter 1- PSR]	2	Sets
New Item				e	245kV, SF6 GIS Auto Transformer bay Module [Module description as per technical specification, Chapter 1- PSR]	2	Sets
New Item				f	245 kV Auxiliary Bus to connect spare unit of Transformer [Module description as per Technical specification]	1	Set
F)	420KV Outdoor Equipment			F)	420KV Outdoor Equipment		
1	336KV Surge Arrester (1-phase)	18	Nos.	1	336KV Surge Arrester (1-phase)	19	Nos.
2	420kV BPI(1-Ph)	18	Nos.	2	420kV BPI(1-Ph)	19	Nos.
G)	245KV Outdoor Equipment			G)	245KV Outdoor Equipment		
1	216KV Surge Arrester (1-phase)	6	Nos.	1	216KV Surge Arrester (1-phase)	7	Nos.
2	245kV BPI(1-Ph)	6	Nos.	2	245kV BPI(1-Ph)	7	Nos.
I	Erection Hardware			I	Erection Hardware		
New Item				I.3	For spare unit of 400/220/33 kV auto transformer connection through auxiliary buses (tertiary & Neutral auxiliary buses only), Neutral formation and delta formation (for two bank): Required 72.5 kV BPI for tertiary auxiliary bus & delta formation, 36 kV BPI for Neutral formation & Neutral auxiliary bus including Al tube,bus-bar materials, clamps, spacers, connectors, including equipment connectors, support structures , Earthing of spare unit as per technical specification.	1	Lot
J	CONTROL RELAY AND PROTECTION PANELS (WITH AUTOMATION)			J	CONTROL RELAY AND PROTECTION PANELS (WITH AUTOMATION)		
New Item				3	220kV		
New Item				a	CB Relay Panel With out Auto Reclose	2	Sets
Item No.	Description	Qty	Unit	Item No.	Description	Qty	Unit
A)	420kV SF6 Gas Insulated Switchgear and Accessories			A)	420kV SF6 Gas Insulated Switchgear and Accessories		
c)	420kV, 2000A, SF6 GIS Auto Transformer bay Module [Module description as per technical specification, Chapter 1- PSR]	2	Sets	c)	420kV, 2000A, SF6 GIS Auto Transformer bay Module [Module description as per technical specification, Chapter 1- PSR]	1	Sets
f)	400 kV, SF6 to Air Bushing alongwith associated support structure for			f)	400 kV, SF6 to Air Bushing alongwith associated support structure for		
ii	2000A, 50kA for 1 sec. Single Phase	6	nos	ii	2000A, 50kA for 1 sec. Single Phase	4	nos
New Item				g)	420 kV Auxiliary Bus to connect spare unit of Transformer [Module	1	Sets
B)	245 kV SF6 Gas Insulated Switchgear and Accessories			B)	245 kV SF6 Gas Insulated Switchgear and Accessories		
b	220kV, SF6 to Air Bushing alongwith associated support structure for			b	220kV, SF6 to Air Bushing alongwith associated support structure for		
b.1	2000A, 40kA for 1 sec. Single Phase	6	nos	b.1	2000A, 40kA for 1 sec. Single Phase	4	nos
c	220kV, SF6 to Cable Bushing alongwith associated support structure			c	220kV, SF6 to Cable Bushing alongwith associated support structure		
c.1	2000A, 40kA for 1 sec. Single Phase	6	nos	c.1	2000A, 40kA for 1 sec. Single Phase	4	nos
New Item				d	245kV, SF6 GIS Bus Bar Module (EXTENSION)[Module description as per technical specification, Chapter 1- PSR]	2	Sets



6	Vol III, BPS, Lapsi phedi, Price Schedule No. 1 & 4(a)	New Item		e	245kV, SF6 GIS Auto Transformer bay Module [Module description as per technical specification, Chapter 1- PSR]	1	Sets		
		New Item		f	245 kV Auxiliary Bus to connect spare unit of Transformer [Module description as per Technical specification]	1	Set		
		E) 420KV Outdoor Equipment		E) 420KV Outdoor Equipment					
		1	336KV Surge Arrester (1-phase)	18	Nos.	1	336KV Surge Arrester (1-phase)	16	Nos.
		2	420kV BPI(1-Ph)	18	Nos.	2	420kV BPI(1-Ph)	16	Nos.
		F) 245KV Outdoor Equipment		F) 245KV Outdoor Equipment					
		1	216KV Surge Arrester (1-phase)	6	Nos.	1	216KV Surge Arrester (1-phase)	4	Nos.
		2	245kV BPI(1-Ph)	6	Nos.	2	245kV BPI(1-Ph)	4	Nos.
		H Erection Hardware		H Erection Hardware					
		H.1	400kV One and Half Breaker-type layout for GIS termination arrangement			H.1	400kV One and Half Breaker-type layout for GIS termination arrangement		
		1	Insulator strings, Disc Insulators, Hardware, conductor, bus-bar materials, cable trays, Bay MB, clamps, spacers, connectors including equipment connectors, connectors for Transformers, Junction box, earthwire, earthing material risers, buried cable trenches/pipe equipment & lighting, all accessories etc. applicable for the following:			1	Insulator strings, Disc Insulators, Hardware, conductor, bus-bar materials, cable trays, Bay MB, clamps, spacers, connectors including equipment connectors, connectors for Transformers, Junction box, earthwire, earthing material risers, buried cable trenches/pipe equipment & lighting, all accessories etc. applicable for the following:		
		1.1	Transformer Bay	2	bays	1.1	Transformer Bay	1	bays
		H.2	220 kV DM-type layout for GIS termination arrangement of Transformer			H.2	220 kV DM-type layout for GIS termination arrangement of Transformer		
		1	Insulator strings, Disc Insulators, Hardware, conductor, bus-bar materials, cable trays, Bay MB, clamps, spacers, connectors including equipment connectors, connectors for Transformers, Junction box, earthwire, earthing material risers, buried cable trenches/pipe equipment & lighting, all accessories etc. for the following:			1	Insulator strings, Disc Insulators, Hardware, conductor, bus-bar materials, cable trays, Bay MB, clamps, spacers, connectors including equipment connectors, connectors for Transformers, Junction box, earthwire, earthing material risers, buried cable trenches/pipe equipment & lighting, all accessories etc. for the following:		
		1.1	Transformer Bay	2	bays	1.1	Transformer Bay	1	bays
		New Item				H.3	For spare unit of 400/220/33 kV auto transformer connection through auxiliary buses (tertiary & Neutral auxiliary buses only), Neutral formation and delta formation (for one bank): Required 72.5 kV BPI for tertiary auxiliary bus & delta formation, 36 kV BPI for Neutral formation & Neutral auxiliary bus including Al tube, bus-bar materials, clamps, spacers, connectors, including equipment connectors, support structures, Earthing of spare unit as per technical specification.	1	Lot
		I CONTROL RELAY AND PROTECTION PANELS (WITH AUTOMATION)				I CONTROL RELAY AND PROTECTION PANELS (WITH AUTOMATION)			
		New Item				3	220kV		
						a	CB Relay Panel With out Auto Reclose	1	Sets
		7	Vol II, Chapter 1, PSR	According to above changes in Price Schedule, Project Specific Requirements(PSR) has been amended and attached.					
8	Vol II, Chapter 21, Drawings	According to above changes in Price Schedule, Relevant SLD, Layout drawings have been amended and attached.							

