TENDER NO.75/2026

Construction for New AQABA 400/132/33 KV GIS SUBSTATION (AAWDCP) INCLUDING ASSOCIATED WORKS AT IPS, BPS1, AND RO

Schedule 3	Mandatory Spare Parts	DEFINITE WORKS

Item	Description	Quantity	Unit	DAP Price				Erection & Commissioning		Total Cost DOMESTIC	Total Cost FOREIGN
				Material Supply		Local Transport					
				Unit Rate	Total	Unit Rate	Total	Unit	Total		
				***	***	JD	JD	JD	JD	JD	***
		1		2	3=2x1	4	5=4x1	6	7=6x1	8=7+5	9=3
	Outdoor Equipment										
1	Single phase 132 kV CVT (feeder OHL circuit)	1	Pcs								
2	Single phase 400 kV CVT (feeder OHL circuit)	1	Pcs								
3	132KV Surge Arrestor	1	Pcs								
4	400KV Surge Arrestor	1									
	132 kV GIS Equipments										
1	CT for OHL	2	Pcs								
2	CT for 80 MVA TR	1	Pcs								
3	CT for 63 MVA TR	1	Pcs								
4	CT for BC+ BC	2	Pcs								
5	VT for busbar	1	Pcs								
6	Closing coil	3	Pcs								
7	Tripping coil	5	Pcs								
8	SF6 pressure gauges (one of each type)	1	Pcs								
9	SF6 pressure/density switches (one of each type)	1	set								
10	(3-phase) contacts for disconnector	5	set								
11	(3-phase) contacts for earth switch	5	set								
12	Inductive voltage transformer for Transformer circuit	1	Pcs								
	400 kV GIS Equipments										
1	CT for OHL	2	Pcs								
2	CT for TR	1	Pcs								
3	CT for BC+ BC	2	Pcs								
4	VT for busbar	1	Pcs								
5	Closing coil	3	Pcs								
6	Tripping coil	5	Pcs								

Schedule 3	Mandatory Spare Parts									DEFINITE WORKS	
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				Unit Rate	Total	Unit Rate	Total	Unit	Total		
				***	***	JD	JD	JD	JD	JD	***
		1		2	3=2x1	4	5=4x1	6	7=6x1	8=7+5	9=3
7	SF6 pressure gauges (one of each type)	1	Pcs								
8	SF6 pressure/density switches (one of each type)	1	set								
9	(3-phase) contacts for disconnector	5	set								
10	(3-phase) contacts for earth switch	5	set								
11	Inductive voltage transformer for transforer circuit	1	Pcs								
132 kV Control, Protection and Metering Equipment											
1	Transformer differential relay	1	Pcs								
2	Line differential relay with distance and fault location feature	3	Pcs								
3	Circuit breaker failure relay	2	Pcs								
4	Electrical/Hand reset trip relay	2	Pcs								
5	Self-reset trip relay	2	Pcs								
6	Trip circuit supervision relay	2	Pcs								
7	backup protection (DOC, OC, EF, etc.)	2	Pcs								
8	High Impedance Busbar protection relay (132 kV side) (Diff & CT supervision)	1	Pcs								
9	Alarm fascia	1	Pcs								
10	Physical relays	3	set								
11	Programmable Transducer	2	Pcs								
400 kV Control, Protection and Metering Equipment											
1	Transformer differential relay (low Impedance)	1	Pcs								
2	Transformer differential relay (high Impedance)	1	Pcs								
3	Circuit breaker failure relay	2	Pcs								
4	Electrical/Hand reset trip relay	2	Pcs								
5	Self-reset trip relay	2	Pcs								
6	Trip circuit supervision relay	2	Pcs								
7	backup protection (DOC, OC, EF, etc.)	2	Pcs								
8	High Impedance Busbar protection relay (400kV side) (Diff & CT supervision)	2	Pcs								
9	Alarm fascia	1	Pcs								
10	Physical relays	2	set								
11	Programmable Transducer	2	Pcs								

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				Material Supply		Local Transport					
				Unit Rate	Total	Unit Rate	Total	Unit	Total		
				***	***	JD	JD	JD	JD	JD	***
		1		2	3=2x1	4	5=4x1	6	7=6x1	8=7+5	9=3
400 V AC Equipment											
1	Complete incoming Circuit Breaker for 400 A	3	pcs								
2	MCCB of each type and rating	5	Pcs								
3	MCB of each type and rating	7	Pcs								
110 V DC Equipment											
1	Regulator card	1	Pcs								
2	Thyristor and diode module	1	Pcs								
3	AC meter of each type	1	Pcs								
4	DC meter of each type	1	Pcs								
5	Selector switch of each type	3	pcs								
6	Incoming circuit breaker of each type and rating	2	Pcs								
7	Battery cell	10	Pcs								
8	MCB of each type and rating	3	Pcs								
33 kV Switchgears											
1	Complete 33 kV, vacuum type circuit breaker	2	Set								
2	Complete 33 kV, SF6 type circuit breaker for capacitor bank	1	Set								
3	33 kV single-phase current transformer for cable feeder cubicle	3	Pcs								
4	33 kV single-phase current transformer for capacitor bank cubicle	3	Pcs								
5	33 kV single-phase current transformer for transformer cubicle	3	Pcs								
6	33 kV single-phase current transformer for bus section cubicle of each type	3	Pcs								
7	33 kV single-phase voltage transformer for cable feeder cubicle	3	Pcs								

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Item	Description	Quantity	Unit	DAP Price				Erection & Commissioning		Total Cost DOMESTIC	Total Cost FOREIGN
				Material Supply		Local Transport					
				Unit Rate	Total	Unit Rate	Total	Unit	Total		
				***	***	JD	JD	JD	JD	JD	***
		1		2	3=2x1	4	5=4x1	6	7=6x1	8=7+5	9=3
8	33 kV single-phase voltage transformer for capacitor bank cubicle	1	Pcs								
9	33 kV single-phase voltage transformer for transformer cubicle	3	Pcs								
10	33 kV single-phase voltage transformer for bus section cubicle of each type (truck type)	1	Set								
11	33 kV vacuum type CB driving motor	5	Pcs								
12	33 kV SF6 type CB driving motor	2	Pcs								
13	Selector switches - 0n/off	5	Pcs								
14	Selector switches - Remote/local	3	Pcs								
15	Closing coil for 33 kV vacuum type CB	5	Pcs								
16	Tripping coil for 33 kV vacuum type CB	8	Pcs								
17	Closing coil for 33 kV SF6 type CB	2	Pcs								
18	Tripping coil for 33 kV SF6 type CB	2	Pcs								
19	Contacts for earth switch	5	Pcs								
20	Indicator lamp	13	Pcs								
33 kV Control, Protection and Metering Equipment											
1	Electrical/Hand reset trip relay	3	Pcs								
2	Self-reset trip relay	2	Pcs								
3	Standby earth fault relay	1	Pcs								
4	backup protection relays (DOC, EF, TCS, synchro, CBF)	2	Pcs								
5	Transducers for each type	2	Pcs								
6	Busbar protection relay	1	Pcs								
7	multi function meter	2	Pcs								
8	33 kV capacitor bank protection (over voltage relay, undervoltage relay, OC, EF)	1	Pcs								
9	Current Unbalance relay	1	Pcs								
33 kV Capacitor Banks											
1	Capacitor unit	10% from total amount	-								
2	33 kV surge arrestor	1	set								

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				Material Supply		Local Transport					
				Unit Rate	Total	Unit Rate	Total	Unit	Total		
				***	***	JD	JD	JD	JD	JD	***
		1		2	3=2x1	4	5=4x1	6	7=6x1	8=7+5	9=3
3	33 kV series (current limiting) reactor	2	pcs								
4	Support insulator of each type	2	pcs								
5	Current transformer for current unbalance protection	1	Pcs								
	Transfomers										
1	400 kV oil-SF6 bushing for auto-transfomer	2	sets								
2	132 kV oil-oil bushings for Main Transformer	5	sets								
3	33 kV air-oil bushings for Main Transformer	5	sets								
4	132 kV Neutral air-oil bushings for Main Transformer	3	set								
5	33 kV Neutral air-oil bushings for Earthing & Auxiliary Transformer	2	set								
6	Complete Fan with motor for Main Transformer	6	sets								
7	oil pump	2									
8	Gas/oil relay for Main Transformer	2	sets								
9	Gas/oil relay for Earthing & Auxiliary Transformer	2	sets								
10	Surge relay for Tap Changer for Main Transformer	2	sets								
11	Oil level Gauge for Main Transformer	2	sets								
12	Oil level gauge for OLTC for Main Transformer	2	sets								
13	dehydrating breather for Main Transformer	2	sets								
14	dehydrating breather for Earthing & Auxiliary Transformer	2	sets								
15	Tap position indicator for Main Transformer	1	sets								
16	Pressure relief valve for Main Transformer	1	sets								
17	Pressure relief valve for Earthing & Auxiliary Transformer	1	sets								
18	Oil temperature gauge indicator	3	sets								
19	Winding temperature gauge indicator	6	sets								
20	Full set of gaskets for Main Transformer 132/33 kV	1	set								
21	Full set of gaskets for earthing and auxiliary Transformer	1	set								
22	Butterfly valves for main transformer	1	set								
23	Paint for main transformer	1	KG								
24	Butterfly valves for Earthing & Auxiliary Transformer	1	set								
25	Spare Cooling Radiators for Main Transformer	2	set								

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				***	***	JD	JD	JD	JD	JD	***
		1		2	3=2x1	4	5=4x1	6	7=6x1	8=7+5	9=3
26	Spare Cooling Radiator for Earthing & Auxiliary Transformer	1	set								
	shunt reactor										
1	33 kV air-oil bushings for Reactor	2	sets								
2	33 kV Neutral air-oil bushings Reactor	1	set								
3	Gas/oil relay for Reactor	1	set								
4	Oil level Gauge for Reactor	1	set								
5	dehydrating breather for Reactor	1	set								
6	Pressure relief valve for Reactor	2	sets								
7	Oil temperature gauge	1	set								
8	Spare Cooling Radiators for three phase Reactor	1	set								
	Additional equipments										
	Total to overall summary Schedule S										

The Tenderer shall complete this Schedule. The Tenderer shall furnish a complete list of spares with breakdown of prices, which may not in whole or in part be purchased by the Employer under the Contract, including but not necessarily confined to the above schedule

- COMBINATION WITH OTHER RELAYS IS ACCEPTED.
- ANY ITEM WICH IS NOT PROVIDED IN THIS SCHEDULE WILL BE PRICED AS PER HIGHST PRICE FROM OTHER TENDERS FOR EVALUATION PURPOSES.