



MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO. LTD.

**Office of the Executive Engineer,
E.H.V. Projects Division, Kalyan.**
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Ref. No. EE/EHV C/DN/KLN/T-25A /No. 146

Date: 29.01.2024

Sub: E-enquiry for submission of Quotation/ Budgetary offer of 220kV & 132kV GIS bay modules for various MSETCL Projects & ORC's Substations with underground cable.

Dear Sir,

The Sealed Quotations/Budgetary offer are invited for the above mentioned work as per Scheduled – 'A & B' with following terms & condition:

1. The Quotation/Budgetary offer shall reach to this office from 29.01.2024 to 05.02.2024 up to 11:00 Hrs. This office shall not accept any responsibility for late receipt of quotations. The quotation will be opened on dt. 05.02.2024 (If possible).
2. The Quotation/Budgetary offer will be accepted from approved vendor/OEM of MSETCL only.
3. The Quotations/Budgetary offer will be on agencies/OEM letter head and valid for 3 Months.
4. The Ex-work price & other applicable taxes will be mentioned separately in the budgetary offer.
5. The undersigned reserve the right to reject any or all quotations without assigning the reason thereof.

Encl: - Schedule A & B


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SCHEDULE "A"


Sr. No	Item / Description & Rating / Details	Unit	Supply Ex-works Rate	ETC Ex-works Rate
A	D	E	G	H
	220kV GIS Equipment			
	Metal encapsulated SF6 gas insulated Switchgear 50 KA/3 Sec rating suitable for indoor installation of modular design			
1	220KV Transformer Bay Module: (For 50 MVA, 220/22 KV T/F, HV Side)	Per Bay		
	Each module comprising of the following :			
a	245 KV SF6 circuit breaker Complete with operating Mechanism, 2000 A, 50kA 3phase -1No			
b	Disconnectors :			
i)	3 Phase, Single Pole, Group operated isolator switch complete with manual & motor driven operating mechanism 2000 A - 3 Sets.			
ii)	3 Phase, Single Pole, Group operated maintenance earthing switch complete with manual & motor driven operating mechanism- 3 Sets.			
c	Current Transformer: 5 Core, Multi ratio, single phase current transformer 800-400/1A-(1Set-3 Nos)			
d	Bus Bar- Double bus arrangement: Main Bus-I - 3150 A, 50kA/3sec Main Bus-II - 3150 A,50kA/3sec			
e	Local Control cubicle for GIS module, gas monitoring device, barriers pressure switches etc as required.			
f	Suitable termination arrangement for SF6 Duct			
	NOTE: The bus may be with single phase or 3 phase enclosure.			
2	220KV Line (U.G. Cable) Bay Module including Lightning arrestor	Per Bay		
	Each module comprising of the following :			
a	245 KV SF6 Circuit Breaker complete with operating Mechanism, 2000 A,50kA Suitable for 1phase & 3phase trip.			
b	Disconnectors:			
i	3 Phase, Single Pole, Group operated isolator switch complete with manual & motor driven operating mechanism 2000 A - 3 Sets			
ii	3 Phase, Single Pole, Group operated maintenance earthing switch complete with manual & motor driven operating mechanism- 2 Sets.			


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iii	Phase, Single Pole, fast acting, fault make earthing switch complete with group operated manual & motor driven operating mechanism - 1 Set.			
c	Current Transformer: 5 Core, Multi ratio, single phase current transformer 2000-100/1 A - (1 Set - 3 Nos.			
d	Cable end unit (Plug in type): 3 Phase, Single pole, Plug in type cable termination - 1 Run for 2500 Sq.mm for each phase - 1 (Set)			
e	Bus Bar- Double bus arrangement: Main Bus-I - 3150 A, 50kA/3sec Main Bus-II - 3150 A, 50kA/3sec			
f	Local Control Cubicle for GIS module, gas monitoring device, barriers pressure switches etc as required.			
g	Surge Arrester: 198kV-10kA, Class 3 GIS Type Surge Arrester			
	NOTE: The bus may be with single phase or 3 phase enclosure.			
3	220KV Line (U.G. Cable) Bay Module including Lightning arrester	Per Bay		
	Each module comprising of the following :			
a	245 KV SF6 Circuit Breaker complete with operating Mechanism, 2000 A,50kA Suitable for 1phase & 3phase trip.			
b	Disconnectors:			
i	3 Phase, Single Pole, Group operated isolator switch complete with manual & motor driven operating mechanism 2000 A - 3 Sets			
ii	3 Phase, Single Pole, Group operated maintenance earthing switch complete with manual & motor driven operating mechanism- 2 Sets.			
iii	3 Phase, Single Pole, fast acting, fault make earthing switch complete with group operated manual & motor driven operating mechanism - 1 Set.			
c	Current Transformer: 5 Core, Multi ratio, single phase current transformer 2000-100/1 A - (1 Set - 3 Nos.			
d	Cable end unit (Plug in type): 3 Phase, Single pole, Plug in type cable termination - 2 Run of 1000 Sq.mm for each phase - 1 (Set)			
e	Bus Bar- Double bus arrangement: Main Bus-I - 3150 A, 50kA/3sec Main Bus-II - 3150 A, 50kA/3sec			
f	Local Control Cubicle for GIS module, gas monitoring device, barriers pressure switches etc as required.			
g	Surge Arrester: 198kV-10kA, Class 3 GIS Type Surge Arrester			


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	NOTE: The bus may be with single phase or 3 phase enclosure.			
4	220KV Bus Coupler Bay Module	Per Bay		
	Each module comprising of the following :			
a	245 KV SF6 circuit breaker Complete with operating Mechanism, 2000 A, 50kA 1Phase/3phase -1No			
b	Disconnectors :			
ii	3 Phase, Single Pole, Group operated isolator switch complete with manual & motor driven operating mechanism 2000 A - 2 Sets.			
ii	3 Phase, Single Pole, Group operated maintenance earthing switch complete with manual & motor driven operating mechanism-2 Sets.			
c	Current Transformer: 5 Core, Multi ratio, single phase current transformer 2400-1200/1A - (1Set -3 Nos)			
d	Bus Bar- Double bus arrangement: Main Bus-I - 3150 A, 50kA/3sec Main Bus-II - 3150 A, 50kA/3sec			
e	Local Control cubicle for GIS module, gas monitoring device, barriers pressure switches etc as required.			
	NOTE: The bus may be with single phase or 3 phase enclosure.			
5	220KV Bus Coupler Bay Module	Per Bay		
	Each module comprising of the following :			
a	245 KV SF6 circuit breaker Complete with operating Mechanism, 2000 A, 1Phase/3phase -1No			
b	Disconnectors :			
ii	3 Phase, Single Pole, Group operated isolator switch complete with manual & motor driven operating mechanism 2000 A - 2 Sets.			
ii	3 Phase, Single Pole, Group operated maintenance earthing switch complete with manual & motor driven operating mechanism-2 Sets.			
c	Current Transformer: 5 Core, Multi ratio, single phase current transformer 2000-1000/1A - (1Set -3 Nos)			
d	Bus Bar- Double bus arrangement: Main Bus-I - 3150 A, 50kA/3sec Main Bus-II - 3150 A, 50kA/3sec			
e	Local Control cubicle for GIS module, gas monitoring device, barriers pressure switches etc as required.			


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	NOTE: The bus may be with single phase or 3 phase enclosure.			
	220 KV PT Bay Module (1 for each bus)	Per bay		
	Each module comprising of the following :			
a	Disconnecter :			
i	3 Phase, Single Pole, Group operated isolator switch complete with manual & motor driven operating mechanism 2000 A - 1 Set.			
ii	3 Phase, Single Pole, Group operated maintenance earthing switch complete with manual & motor driven operating mechanism-1 Set.			
b	Potential Transformer: 3 Core, Multi ratio, single phase potential transformer 220KV/ $\sqrt{3}$ /110V/ $\sqrt{3}$ -110V/ $\sqrt{3}$ -110V/ $\sqrt{3}$ - (1 Set - 3 Nos.)			
c	Bus Bar- Single bus arrangement: Main Bus - 3150A			
d	Local Control Cubicle for GIS module, gas monitoring device, barriers pressure switches etc as required.			


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SCHEDULE "B"

Sr. No	Item / Description & Rating / Details	Unit	Supply Ex-works Rate	ETC Ex-works Rate
A	D	E	G	H
1	<p>132kV Line Bay Module suitable for 132kV Bus Buct Arrangement with Bus Duct Support Structure Each Module comprising of the following # 145kV SF6 Circuit Breaker Complete with operating mechanism, 2000A, suitable for 1 Phase & 3 Phase trip, # Disconnecter # 3Phase, Single Pole, Group Operator Maintenance Earthing Switch complete with manual and motor driven operating mechnism - 2 Sets, # 3 Phase, Single Pole, fast acting, fault making earth switch complete with group operated manual & motor driven operating mechanism - 1 Set, # Current Transformer: 5 Core, Multi Ratio, Single Phase Current Transformer, 800-400/ 1A - (1 Set - 3 Nos.) Bus Bar - Single Bus Arrangement : Main Bus - 2000A, 40kA/ 3Sec#, Local Control Cubicle for GIS Module, Gas Monitoring Device, Barriers Pressure switches etc as required. Note - The bus may be with single phase enclosure. #</p>	per Bay		
2	<p>132kV Bus Disconnecter Module with Cable End Unit (Plug in Type): 3 Phase, Single Pole, 2 Run of 1000 sqmm for each phase.</p>	EA		


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