

MAHARASHTRA STATE ELECTRICITY TRANSMISSION CO LTD

 MAHATRANSCO Maharashtra State Electricity Transmission Co. Ltd. महाराष्ट्र अधिकार	Office of the Executive Engineer EHV O & M DIVISION, Pimpri Chinchwad Bijli nagar, Near 220 KV Chinchwad S/stn, Pune –33 E mail ID – ee61b0@mahatransco.in	 ISO 9001:2008 CERTIFIED ORGANISATION
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No.: EE/PCDN/Tech./ No. 280

Date : 10.04.2023

Subject:- Inviting budgetary offers for estimation purpose for supply & erection of 22 kV indoor GIS switchgear at 220/22kV Substation under EHV O&M Division, Pimpri Chinchwad, Pune.

Dear Sir,

The budgetary offers are invited for the following scope of work for supply & erection of 22 kV indoor GIS switchgear at 220/22kV S/stn under EHV O&M Division, Pimpri Chinchwad, Pune.

Sr. No	Name of Item	Unit	Quantity	Ex works per unit
A	Supply of 22kV, 40kA /3 sec GIS, Single Bus Bar (SBB) Modules including protections: (NOTE: The bus and the equipment are with 3 phase enclosure.)			
1	Supply of 22kV, 40kA /3 sec GIS, Single Bus Bar (SBB) Indoor GIS Incomer (LV side bay module) for 50MVA, 220/22 kV, LV side of capacity 2500 Amp. Each module comprising of the following. a) 3 phase Circuit Breaker with vacuum interrupters in gas filled switchgear housing complete with operating mechanism, 2500A- 1 No b) Busbar Disconnector : 3 phase , Single Pole , three position disconnector to work as disconnector & earthing switch complete with manual & motor driven operating mechanism 2500A- 1 Set c) Current Transformer : 4 Core ,Multi ratio, single phase current transformer 1600-800/1 A- (1 Set- 3 Nos.) d) Bus-Bar - Single bus arrangement: Main Bus - 2500 A. e) Cable end unit (Elbow Type Touch Proof with Test Leads) with capacitive voltage indicator system: 3 phase, Single pole, Push on elbow type cable termination - 4 Runs of 630 sq.mm for each phase- 1 (Set). f) Local Control Cubicle for GIS module, gas monitoring device, barriers pressure switches etc.as required. Can be part of GIS. g) GIS busbars system shall be gas segregated for each feeder. No gas handling shall be required at site during installation and/ or extension of switchgear. h) The GIS shall have repair opening for each gas chamber to enable the maintenance/ repair of GIS at site only to reduce the downtime.	Nos.	2	
2	Supply of 22kV, 40kA /3 sec GIS, Single Bus Bar (SBB) Indoor GIS PT (24kV GIS PT module) Each module comprising of the following. a) Disconnector : 3 phase , Single Pole , three position disconnector to work as disconnector & earthing switch complete with manual & motor driven operating mechanism	Nos.	2	

	2500A- 1 Set. b) Potential Transformer (manual/ motorized) 3 Core, Multi ratio, single phase potential transformer - 22 kV/ $\sqrt{3}$ -110 V/ $\sqrt{3}$-110 V/$\sqrt{3}$ - 2 Set (6 Nos.) One at each bus section c) Bus-Bar - Single bus arrangement : Main Bus - 2500 A d) Local Control Cubicle for GIS module, gas monitoring device, barriers pressure switches etc. as required. g) GIS busbars system shall be gas segregated for each feeder. No gas handling shall be required at site during installation and/ or extension of switchgear. h) The GIS shall have repair opening for each gas chamber to enable the maintenance/ repair of GIS at site only to reduce the downtime.			
3	Supply of 22kV, 40kA /3 sec GIS, Single Bus Bar (SBB) Indoor GIS outgoing Feeder 22kV Line (Underground Cable) module with Surge Arrestor. Each module comprising of the following. a) 3 phase Circuit Breaker with vacuum interrupters in gas filled switchgear housing complete with operating mechanism, 1250A- 1 No. b) Disconnecter : 3 phase , Single Pole , three position disconnecter to work as disconnecter & earthing switch complete with manual & motor driven operating mechanism 1250A- 1 Set. c) Current Transformer: 1) 3 Core, Multi ratio, single phase current transformer (1 Set- 3 Nos.) 600-300/1 A d) Bus-Bar - Single bus arrangement : Main Bus - 2500 A e) Cable end unit (Elbow Type Touch Proof with Test Leads) with capacitive voltage indicator system: 3 phase, Single pole, Push on Elbow type cable termination - single run of 400 sq.mm for each phase- 1 (Set) - Total 14 Nos. f) Local Control Cubicle for GIS module, gas monitoring device, barriers pressure switches etc.as required. Can be part of GIS. g) GIS busbars system shall be gas segregated for each feeder. No gas handling shall be required at site during installation and/ or extension of switchgear. h) The GIS shall have repair opening for each gas chamber to enable the maintenance/ repair of GIS at site only to reduce the downtime.	Nos.	12	
4	Supply of 22kV, 40kA /3 sec GIS, Single Bus Bar (SBB) Indoor GIS Bus Sectionalizer. Each module comprising of the following. a) 3 phase Circuit Breaker with vacuum interrupters in gas filled switchgear housing complete with operating mechanism, 2500A- 1 No b) Disconnecter : 3 phase , Single Pole , three position disconnecter to work as disconnecter & earthing switch complete with manual & motor driven operating mechanism 2500A- 1 Set. c) Current Transformer: 4 Core, Multi ratio, single phase current transformer 1600-800/1 A- (1 Set- 3 Nos.) d) Bus-Bar - Single bus arrangement : Main Bus - 2500 A e) Local Control Cubicle for GIS module, gas monitoring device, barriers pressure switches etc.as required. Can be part	Nos.	1	

	of GIS. g) GIS busbars system shall be gas segregated for each feeder. No gas handling shall be required at site during installation and/ or extension of switchgear. h) The GIS shall have repair opening for each gas chamber to enable the maintenance/ repair of GIS at site only to reduce the downtime.			
B	Erection of 22kV, 40kA /3 sec GIS, Single Bus Bar (SBB) Modules including protections			
1	Erection of 22kV, 40kA /3 sec GIS, Single Bus Bar (SBB) Indoor GIS I/C (LV side bay module) for 50MVA, 220/22 kV, LV side of capacity 2500 Amp.	EA	2	
2	Erection of 22kV, 40kA /3 sec GIS, Single Bus Bar (SBB) Indoor GIS PT (24kV GIS PT module)	EA	2	
3	Erection of 22kV, 40kA /3 sec GIS, Single Bus Bar (SBB) Indoor GIS outgoing Feeder 22kV Line (Underground Cable) module with Surge Arrestor	EA	12	
4	Erection of 22kV, 40kA /3 sec GIS, Single Bus Bar (SBB) Indoor GIS Bus Sectionalizer.	EA	1	

Note:

1. The offer should be submitted by manufacturer (OEM) / their authorized dealer. Submit the proof regarding authorised dealership of OEM.
2. Please specify all taxes & statutory cess as extra specifically with your offer.
3. Your Offer should reach this Office **on or before Date:18.04.2023** by e-mail on mail id ee61b0@mahatransco.in OR hard copy on office address.
4. The Offer should be valid for at least 06 (six) months.
5. The right to accept offer for part or to cancel any or all budgetary offer without assigning any reasons is reserved with undersigned.

Yours faithfully,

Sd/-

(Deepak D. Madane)

Executive Engineer

Pimpri-Chinchwad Division, Pune