

Item Description: SIEMENS POWER AND CONTROL MODULES**List of items and Technical Specifications**

SI.NO	MODULE	PART NUMBER	QUANTITY	Suppliers Compliance
1.	SIMOGEAR 2KJ3 – IEC, Helical gearbox Z29, LE90SM4P, Motor power 1.10 kW, 4 Poles, Gearbox ratio 3.47, Self-ventilation (IC411), Gearbox service factor 2.76 Z29-LE90SM4P	2KJ3102-1EK23-4BA1-Z D01+K01+K06+ L00+M55+P91	01 Set	
Alternative option in case of non-availability or long lead times of the above gearbox				
	Transtech TH25 model 5.0 RATIO, SF : 2.9 , Torque : 36 NMT , RPM : 281 RPM, with Siemens 1.5 HP 4P B5 IE2 Motor 1440 rpm. Shaft dia : 25mm	TH25	01	
2.	SINAMICS G120C rated power 3AC380-480V +10/-20% 47-63Hz low overload: 2,2kW at 150% 3s, 110% 57s, 100% 240s high overload: 1,5kW at 200% 3s, 150% 57s, 100% 240s unfiltered external 24V I/O interface: -- 6SL3210-1KE15-8UB2 SINAMICS G120 Basic Operator Panel (BOP-2) --	6SL3210-1KE15-8UB2 6SL3255-0AA00-4CA1	01 Set	
3.	Power cable sold by the meter type: 6FX5008- 1BB11 4x 1.5 C UL/CSA, DESINA MOTION-CONNECT 500 Type of delivery: Ring D max=8.4 mm	6FX5008-1BB11-1FA0	50 meters	
4.	SIMATIC HMI TP2200 Comfort, Comfort Panel, Touch operation, 22" widescreen TFT display, 16 million colors, PROFINET interface, MPI/PROFIBUS DP interface, 24 MB configuration memory, WEC 2013, configurable from WinCC Comfort V14 SP1 with HSP	6AV2124-0XC02-0AX1	01	
5.	SIMATIC S7-1200, CPU 1215C, compact CPU, DC/DC/DC, 2 PROFINET ports, onboard I/O: 14 DI 24 V DC; 10 DO 24 V DC; 0.5 A; 2 AI 0-10 V DC, 2 AO 0-20 mA DC, power supply: DC 20.4-28.8 V DC, program/data memory 200 KB	6ES7215-1AG40-0XB0	01	
6.	SIMATIC OPC UA S7-1200 Basic DL	6ES7823-0BE00-2BA0	01	

Enclosure-I

7.	S7-1200, Analog Input SM 1231 RTD, 8 AI	6ES7231-5PF32-0XB0	01	
8.	CONTACTOR, AC3:7,5KW 1NO DC24V	3RT2018-2BB41	02	
9.	SITOP PSU300S/3AC/24VDC/10A	6EP1434-2BA20	02	
10.	CIRCUIT BREAKER	5SL64027RC	02	
11.	CIRCUIT BREAKER	5SL64067RC	02	
12.	Industrial Ethernet Fast Connect RJ45 plug 180 2x 2, RJ45 plugin connector (10/100 Mbit/s) with rugged metal enclosure and FC connection system, for IE FC TP cable 2x 2; 180° cable outlet.	6GK1901-1BB10-2AA0	10	
13.	Industrial Ethernet FC TP Standard cable, GP 2x2 (PROFINET Type A), TP installation cable for connection to IE FC RJ45 2x2, for universal use, 4-core, shielded CAT 5E	6XV1840-2AH10	30 meters	

Terms and Conditions

1. All the supplied hardware-software items should strictly match the manufacturer part number and associated software
2. All the hardware modules are to be pre-calibrated / quality checked at the OEM's place, and an appropriate certificate is to be provided along with the hardware components
3. All software-hardware items are to be delivered at CMTI within 4-6 weeks from the date of the Purchase Order.
4. The vendor is responsible for matching the motor with gearbox, if alternative option for Sl. No. 1 is quoted, required accessories to be included in the quote for reliable operation
5. All necessary accessories, power adapters, connection adapters and software and hardware tools are to be included in the quotation supplied along with the item
6. All additional modules required for operation and analysis should be quoted as optional supplied along with the item in the case of inclusion in PO
7. An unconditional warranty of 1 year on supplied items must be provided. 3-year warranty to be included as optional
8. The Supplier has to submit an OEM Authorization Certificate if the supplier is not OEM.
9. Payment terms: 80% with the order and 20% after delivery, installation and acceptance or 100% after delivery, installation and satisfactory inspection within 30 days of delivery
- 10. The vendor shall submit their quote in INR, preferably and also should submit a certificate stating that 20% of the local content contribution is present in the supplied item**

