

Annexure - I

Technical Requirement Specifications of Siemens Automation Devices

S. No.	Requirement	Specification / Siemens Article number	Qty	Vendors' Compliance	
1	a	Devices and Accessories	SITOP PSU8200 1ph 24 V/20 A - 6EP1336-3BA10	4	
	b		SIMATIC HMI TP1200 Comfort, 6AV2124-0MC01-0AX0	1	
	c		S7-1500, mounting rail 245 mm (19"), 6ES7590-1AC40-0AA0	1	
	d		CPU 1517-3 PN/DP, 2MB Prog. /8MB Data, 6ES7517-3AP00-0AB0	1	
	e		SIMATIC S7 Memory Card, 2 GB, 6ES7954-8LP03-0AA0	1	
	f		MOUNTING RAIL 482MM (19"), 6DL1193-6MC00-0AA0	1	
	g		ET 200SP HA, IM155-6 PN, 6DL1155-6AU00-0PM0	1	
	h		CARRIER MODULE IM SINGLE, 6DL1193-6BH00-0SM0	1	
	i		ET 200SP HA, BusAdapter BA 2xRJ45 HA, 6DL1193-6AR00-0AA0	1	
	j		ET 200SP HA, DI 16X24VDC, 6DL1131-6BH00-0PH1	2	
	k		TERMINAL BLOCK, TYPE H1, LIGHT-GREY, 6DL1193-6TP00-0DH1	1	
	l		ET 200SP HA, DQ 16X24VDC/0.5A, 6DL1132-6BH00-0PH1	1	
	m		ET 200SP HA, AI 16XI 2-WIRE HART, 6DL1134-6TH00-0PH1	1	
	n		CARRIER MODULE TWOFOLD, 6DL1193-6GA00-0NN0	2	
	o		TERMINAL BLOCK, TYPE H1, DARK-GREY, 6DL1193-6TP00-0BH1	3	
p		SITOP PSE202U REDUNDANCY MODULE - 6EP1961-3BA21	2		
q		SCALANCE XB213-3LD - 6GK5213-3BF00-2AB2	1		
r		Active Field Distributor (6ES7655-5DX60-1BB0) Siemens Make: AFDISD-Ex Ia, Active Field Distributor (Intrinsic Safe) Profibus PA Along with ATEX Hazardous Zone Usage Certification	3		
s		Sealing Plugs Sealing Plugs for Unused Connection on the AFDISD(10 Pcs) 6ES7157-0AG80-1XA1-AFD	1.0 set		
t		Active Field Distributor Profibus PA-Active Field Distributors	4		

Shivabali

			Make: Siemens Part No: 6ES7157-0AG82-0XA0		
2	a	Engineering Tools and Licenses	TIA Portal Step 7 Professional engineering licenses version 18 required for system.	1	
	b		TIA Portal WinCC Advanced version 18 engineering licenses required for system.	1	
3		Vendor Authorization	Vendor has to be an “authorized system house of Siemens for automation and drives”. Vendor to submit necessary certificate from Siemens.		
4	a	Service Support &	Necessary support to be provided during warranty period free of cost, during warranty period		
	b		On request from CMTI, during application development on above devices, vendor to provide prompt support on same day virtually. If the problem could not be solved virtually, vendor to depute trained service engineer on next day to resolve the problem.		
5	a	Acceptance Criteria	Vendor to provide demonstration of device features/functionality listed under respective siemens device (family) web page. Duration for demonstration of device features/ functionalities has to be 7 working days. Features/functionality of interest will be communicated during training.		
	b		Vendor to demonstrate functionalities of devices supplied within 4 weeks of date of supply. Vendor to arrange for necessary hardware.		
6		Training	Vendor to provide training of device features/functionality listed under respective siemens device (family) web page. Training to be provided along with demonstration.		
7		Warranty	Warranty period: 12 months from the date of supply.		

Shivatsah