

Schedule of Technical Data for Automatic Transfer Switch

S.N	Item	Unit	Requirement	Bidder's Response
1	ATS Model	-----	Specify	
2	A.T.S Manufacturer	-----	Specify	
3	Country of Origin	-----	Specify	
4	Standard	-----	Specify	
2.1 Enclosure				
1	Enclosure IP	-----	Specify	
2	Dimension (L*W*H) : 800*300*800	Cm	Specify	
3	Color	-----	Grey	
2.3 ATS Components and Functions				
I PLC				
1	Type :	-----	Electronic	
2	Operating Voltage	V	12 VDC	
3	Interface Port	-----	Specify	
4	Model	-----	Specify	
5	Manufacturer	-----	Specify	
6	Country of Origin	-----	Specify	
► PLC Battery				
1	Type :	Dry Type Free		
2	AH Capacity	Ah	7 Ah	
3	Nominal Voltage	V	12VDC	
4	Battery Model	-----	Specify	
5	Manufacturer	-----	Specify	
6	Country of Origin	-----	Specify	
II Contactor				
1	Number of Power Contactor	-----	Two	
2	Number of Poles	-----	4Ploe	
3	Contactor Capacity	A	25A	
4	Operating Voltage	V	230/400 V	
5	Mechanical Interlock	-----	Specify	
6	Electrical Interlock	-----	Specify	
III Selector Switch				
1	Switch -1: three Positions [Auto / Off / Manual]	-----	Specify	
2	Switch-2:two positions[mains modes /Gen Mode]	-----	Specify	
3	Switch-3: two Positions[Gen-Set-1/ Gen-Set-2	-----	Specify	
4	Switch -4: three Positions[Source-1 Loading/ Off / Source-2 Loading	-----	Specify	

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IV	Terminals			
▶	Power Terminals			
1	Terminals for Source -1 (C.S.A = 16mm ²)	-----	4 Terminals	
2	Terminals for Source -2 (C.S.A = 16mm ²)	-----	4 Terminals	
3	Terminals for Load (C.S.A = 16mm ²)	-----	4 Terminals	
▶	Control and alarm Terminals			
1	Terminals for Gen-Sets batteries (+/-)	-----	Specify	
2	Terminals for Automatic battery Charger (L/N)	-----	Specify	
▶	Free Contact Terminals			
A	When Switch -2 = Mains Mode			
1	Terminal For Main Disconnect alarm			
2	Terminals For Gen-Set Run Alarm	-----	Specify	
3	Terminals For Gen-Set Fail Alarm	-----	Specify	
B	When Switch-2 = Gen-Sets Mode			
1	Gen-Set -1 Run	-----	Specify	
2	Gen-Set-1 Fail	-----	Specify	
3	Gen-Set-2 Run	-----	Specify	
4	Gen-Set -2 Fail	-----	Specify	
V	Automatic Battery Charger			
1	Type	-----	Specify	
2	Input AC Voltage	V	230 V	
3	Output DC voltage	V	12 VDC	
4	Charge Current	A	5A	
5	Model	-----	Specify	
6	Make	-----	Specify	
7	Country of Origin	-----	Specify	
VI	Digital Display unit (For Measuring and Display)			
1	AC Voltage (Line/Line) and (L-N) Values	V	Specify	
2	Current Per Phase Value	A	Specify	
3	Frequency Value	Hz	Specify	
4	Total kW For Load	kW	Specify	
▶	Current Transformer	-----	Specify	
1	Ratio of CT : 60/5	-----	Specify	
2	Model	-----	Specify	
3	Make	-----	Specify	
4	Country of origin	-----	Specify	

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VII	Indicator Lamps			
▶	For Source -1			
1	Source -1 Available		Yellow LED	
2	Source-1 On Load		Green LED	
3	Source -1 Failure		Red LED	
▶	For Source-2			
1	Source -2 Available		Yellow LED	
2	Source-2 On Load		Green LED	
3	Source -2 Failure		Red LED	
VIII	Protection Devices			
▶	Surge Protection Devices			
1	Number of Pole		4 Poles	
2	Level of Protection		Level1/2	
3	Model		Specify	
4	Make		Specify	
5	Country of origin		Specify	
▶	Load Circuit Breaker			
1	Type	-----	MCCB	
2	Number of Poles	V	4 Poles	
3	Rated Capacity Current	A	25	
4	Breaking Capacity Current	KA	16KA	
▶	Programmable Protection Relay For Mains			
1	Under/Over Protection	-----	Specify	
2	Phase Sequence Protection	-----	Specify	
3	Phase Missing Protection	-----	Specify	
4	Under / Over Frequency Protection	-----	Specify	
5	Type	-----	Specify	
6	Model of Programmable relay	-----	Specify	
7	Make	-----	Specify	
8	Country of Origin	-----	Specify	
2.4	Documents and Drawings			
1	Single Line Diagram For ATS		Must be attach	
2	Technical data, Specifications of all components in ATS		Must be attach	