



SUBSTATIONS CONTROL AND PROTECTION SYSTEM
SPECIFICATION STR-1858
DECISION TREE FOR TECHNICAL EVALUATION

No	Part name	STR-1858 Subcl.	Absolute weights (%)	
			First level	Second level
1.	<u>TECHNICAL DATA</u>		25	
1.1.	Standards and codes	7		5
1.2.	Technical Requirements	9.1-9.2		5
1.3.	Packaging & Delivery	12		5
1.4.	Storage & Handling	13		5
1.5.	Nameplate & Marking	14		5

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			First level	Second level
2.	<u>AVAILABLE FUNCTION AND TEST</u>		50	
2.1.	Power supply	9.3.3.2.9 9.3.3.6 9.3.5.9 9.3.6.14		2
2.2.	Level 1- Bay level	9.3.2		2
2.3.	Level 2 - Central Control System	9.3.3 9.3.3.1		2
2.4.	General Alarm System (GAS) & Annunciator-indicators unit	9.3.3.2 9.3.3.3		2
2.5.	Substation Main Distribution Monitoring System (MDMS)	9.3.3.4		2
2.6.	Level 3 - Remote control centers	9.3.4		2
2.7.	HV control units	9.3.5		3

2.8.	MV control and protection units	9.3.6 9.3.7 9.3.8		3
2.9.	Protection functions	9.3.9		2
2.10.	Special functions of MV section of Substation	9.3.10		2
2.11.	Load shedding	9.3.11		2
2.12.	MV Capacitor Bank Switching	9.3.12		2
2.13.	Is Limiters	9.3.13		2
2.14.	HMI SCREENS	9.3.14		2
2.15.	Design & Construction	9.5		2
2.16.	HMI Computer & Main Controllers (HMI/CCU1/CCU2) requirements	9.6		2
2.17.	Tests & Inspections	10		2
2.18.	CYBER & INFORMATION SECURITY	11		2
2.19.	SPECIAL REQUIREMENTS	16.4-16.9		
2.20.1	Network & security safeguards requirements for the SCPS	16.4		1
2.20.2	Communication Switches	16.5		1
2.20.3	List of Events	16.6		1
2.20.4	Installation of the system software on the IECo computers	16.7		1
2.20.5	Simulation at the engineering stage	16.8		1

2.20.6	Prototype	16.9		1
2.20.	Tests Requirements	18		2
2.21.	Factory Acceptance Tests	19		2
2.22.	RELIABILITY, MAINTENANCE, SAFETY COMMISSIONING AND GUIDANCE COURSE	20 9.7		2

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3.	<u>QUALITY MANAGEMENT SYSTEM & QUALITY CONTROL</u>		3	
3.1.	Quality Assurance and Quality Control	6		3
4.	<u>SUPPLIERS EXPERIENCE</u>		10	
4.1.	Reference List			1
4.2.	Experience with IECO			5
4.3.	POC prepared			4
5.	<u>TECHNICAL SUPPORT</u>		12	
5.1.	Technical Documentation	8		3
5.2.	Special Requirements	16.1-16.3		
5.2.1	Consultation in IECO premises in Haifa Israel	16.1		1
5.2.2	Information after Purchase	16.2		1
5.2.3	Technical Support after Purchase	16.3		1
5.3.	TECHNICAL SUPPORT	17		
5.3.1	Engineering – Course.	17.1		1
5.3.2	Operation-Course.	17.2		1
5.3.3	Commissioning	17.3		1
5.3.4	Prolonged remote technical support	17.4		1
5.3.5	On-site technical support	17.5		1
5.3.6	Supplier's technical representation is Israel	17.6		1