

ATTACHMENT B

Table 1: List of Items & Specifications

Please note that the items are required for Solar Power Back-Up & Local Area Network (LAN) installations. Please provide the quoted brand and brochures where applicable.

NB: The Initial Quantity is what is currently required. Optional Quantity is what may be required in future and on this, please refer to additional information in the RFQ for full explanation.

	ITEM	SPECIFICATIONS	Initial QTY	Optional Quantity
1	Inverter	48VDC-5KVA MPPT Hybrid	8	20
2	Inverter	24VDC-3KVA MPPT Hybrid	4	10
3	Solar Panels	Solar Panels – Mono crystalline Nominal Max Power: 325 W Operating Voltage: 37.0 V Operating Current: 8.78 A Open Circuit Voltage: 5.5 Cell Type: Poly-crystalline, 6 inch Cell Arrangement: 72 (6 x 12) Dimensions: 1960 x 992 x 40mm Weight: 22.4Kg Front Cover: 3.2 mm tempered glass Frame Material: Anodized aluminium alloy Cable: 4mm Connectors: T4 Per pallet: 26 pieces Temperature Coefficient (Pmax): - 0.41% Temperature Coefficient (Voc): - 0.31%	180	100
4	80A Double Pole DC MCB	80A Double pole-Battery-Din Rail Mount	38	40
5	200Ah Solar Batteries	Solar Battery Model; 12NDT200 Nominal voltage: 12v Rated Capacity: 200AH (10 hours rate) – 1.8 v Typical weight: 61.0Kg Internal resistance: Approx 3.50 mΩ Temperature ranges: Operation (maximum) 40 to 55 degree Celsius	98	100
6	Manual Change over Switch	63ADouble Pole-MCB Type	24	50
7	Distribution Board	8way double door-Din Rail Type	51	20
8	Main Switch	63AMP ELCB-DIN Rail Mount	39	50
9	AVS 30	AVS 30A	24	10

10	60A Double Pole MCB	60A Double Pole MCB DIN rail mount	32	12
11	Circuit breaker	32A-Single Pole-Din Rail Mount	95	50
12	Earth rod		41	20
13	Data Sockets	CAT6 Ethernet Data socket full set	344	200
14	Power Switch	1 gang 2-way surface mount Metal clad	402	200
15	Pad Locks	40mm	25	8
16	3 core electric Flex Cable	2.5 mm electric Flex Cable (100m rolls)	20	50
17	Solar DC Cable	4mm Red(meters)	1340m	300
18	Solar DC Cable	4mm Black(meters)	1340m	300
19	Battery DC Cable	16mm Red(meters)	570m	200
20	Battery DC Cable	16mm Black(meters)	570m	200
21	Powercon Male	16A-230VAC	414	150
22	Powercon Female	16A-230VAC	414	150
23	Push on Connectors		1295	400
24	Cable Trunking	25*40 Trunking	1055	400
25	Cable Trunking	75*50 Trunking	77	20
26	Fisher and Screws	8 mm (boxes)	218	50
27	HDPE Pipe	25 mm HDPE Pipe (meters)	2161	1000
28	HDPE Couplings	25mm HDPE Couplings	110	50
29	PVC Pipe	25mm PVC Pipe	805	300
30	PVC Saddles	25mm PVC Saddles	1630	600
31	PVC Nipples	25mm PVC Nipples	750	200
39	PVC Couplings	25mm PVC Couplings	1410	600
40	PVC Round box and Covers		455	100
41	Cable Ties	Cable Ties	116	40
42	PVC Solvent Cement		23	7
43	Cement(bags)		21	6
44	Insulation Tape	(Red, Blue, Green)	135	45
45	Cable Lugs	16mm by 8mm	262	80
46	15U Server Cabinet (see picture on the attachment)	15U 760x600x600 mm	24	7
47	Network Switch (see picture on the attachment)	24 Port Network Switch	18	20
48	Network cable	Molex CAT6 Network cable preferred/equivalent (500-meter drums)	9	12
49	Brush Panel (see picture on the attachment)	MikroTik CRS326-24G-2S+RM or	36	50

		equivalent		
50	Patch Panel (see picture on the attachment)		36	12
51	Patch Chord	1m Ethernet Patch Chord	314	100
52	Fly Leads	3m Ethernet Fly Leads	345	100
53	RJ 45 Connectors	RJ 45 Connectors	366	100
54	RJ 45 Boots	RJ 45 Boots	237	100
55	Rack Tray (see picture on the attachment)		19	10
56	Rawl Bolt s	10mm Rawl Bolt	132	30
57	Switch Cabinet	6U Ethernet Switch Cabinet	11	4
58	AC Surge Protector	AC-230-300VAC	24	10
59	DC Surge Protector	PV 150 VDC-1000VDC Max/20kA – Type 2	24	10
60	MC4 Connector pair		149	50
61	MC4 Branch pair		143	50
62	Wireless Access Points (see picture on the attachment)	MikroTik cAP ac (RbcAPGi-5acD2nD) or equivalent	12	6
63	25 mm HDPE elbow joint	25 mm HDPE elbow joint	140	60
64	Hole Saw Cutter	25mm	54	30
65	Single core cable Green	6mm single core earthing cable (meters)	14	10
66	Lightening Arrestor	Air Rod-type	24	10