

BILL OF QUANTITY

**MEMBEKAL, MENGHANTAR, MEMASANG, MENGUJI DAN MENTAULIAH
PERALATAN PEMBELAJARAN BAGI BENGKEL KURSUS ELEKTRIK IASC
DI KAMPUS UTAMA , JALAN DATO' BAHAMAN 25250 KUANTAN, PAHANG DARUL MAKMUR**

ITEM	KETERANGAN	JENAMA	QTY	KADAR (RM)	JUMLAH (RM)
1	Membekalkan Kipas Industri berspesifikasi - berkelajuan putaran kipas 1400rpm hembusan udara - 6000cfm listrik 130 watt / 220 v/ 1 phase - model SF-20 (20")	Meck - AKA	8		
2	DFB 26 Hala lengkap dengan ELCB, Main Switch dan MCB 1 fasa PVC	MAXGUARD	10		
3	DFB 42 Hala lengkap dengan ELCB, Main Switch dan MCB 3 fasa PVC	MAXGUARD	10		
4	Eart chamber lengkap dengan copper rod dan earth clamp	PVC LINK	15		
5	Insulation resistance tester	EXTECH	8		
6	Earth resistance tester	EXTECH	8		
7	RCCD tester	EXTECH	8		
8	Earth loop impedance tester	EXTECH	8		
9	Multi meter	SUNWA	17		
10	Clip-on meter	KYORITSU	2		
11	Phase rotation meter	EXTECH	2		
12	Ring main tester	EXTECH	2		
13	KWH meter single phase & 3 phase	HENLY / SIEMEN	2		
14	Induction motor 5 kw 3 phase	ENGA / BRANCO / CHINA	3		
15	Induction motor 7.5 kw 3 phase	ENGA / BRANCO / CHINA	2		
16	Capasitor start motor single phase		5		
17	Rising main lengkap dengan busbar 100 amp dan trunking 12 x 12, Kabel Peizer		1		
18	Submersible pump	AFEC	2		
19	Cordless hand drill	BOSCH	2		
20	Portable drill mesin	BOSCH	2		
21	Table drill mesin	BOSCH	1		
22	Photosell Lampu Jalan	SELCON	1		
23	Air compressor	ASAKI	1		
24	Portable generator	ELIPOWER	1		
25	Tangga aluminium 4 step	TAIWAN	5		
26	Battery charger	SUCCESS	1		
27	Battery tester		1		
28	Fire alarm sistem c/w bell smoke and heat detector, break glass switch 2 zone, Jenis Co2	PROGRAM ELECT.	2		
29	Alat pemanas air 3.2 kw	ELTON	7		
30	Exhaust fan	PANASONIC	7		
31	Conduit bender c/w vise		6		
32	Rechet and dies		6		
33	Concrete cutter		1		
34	Air-cond starter 20 amp metal clad 3 phase 445 volt	DISCUT	20		
35	Emergency light single tiub	CROWN / TAIAN	10		
36	Light dimmer control	PNE	15		
37	Flouresent lamp 1 x 40 watt	SELAMAT	5		
38	Flouresent lamp 1 x 20 watt	UNILITE	20		
39	Flouresent lamp 2 x 40 watt	UNILITE	20		
40	Water heater switch	SELAMAT	15		
41	Bell and bell transfomer	PLASMA	20		

42	1 gang 1 way switch flush type	SELAMAT	130		
43	1 gang 1 way switch metal clad	SELAMAT	60		
44	2 gang 1 way switch flush type	SELAMAT	25		
45	1 gang 2 way switch flush type	SELAMAT	90		
46	1 gang 2 way switch metal clad	SELAMAT	30		
47	Intermediate switch flush type	SELAMAT	90		
48	Intermediate switch metal clad	SELAMAT	70		
49	Switch soket outlet 13 amp. Flush type	SELAMAT	150		
50	Air-cond starter bakelite 16 amp	CROWN / TAIAN JAYA	15		
51	Cut Out and neutral link	PLK	15		
52	Isolator 16 amp 3 phase metal	MEM	23		
53	Celing rose	RLT	150		
54	Batten lamp holder	DETA	100		
55	Switch soket outlet 13 amp. Metal clad	SELAMAT	60		
56	Pull switch	SELAMAT	30		
57	PVC base 3 x 3	MP	400		
58	PVC round block	MP	400		
59	Contactora 240 volt 40 amp	TAIAN	50		
60	On off push button		34		
61	Forward revesed push button		14		
62	Overload relay 10 amp	HAGER	34		
63	Sesentuh tambahan normally open	HAGER	50		
64	Sesentuh tambahan normally close	HAGER	50		
65	Pilot lamp green, red, yellow	SALZER	70		
66	Volt meter 415 volt	SES	7		
67	Amp meter 0-1 amp, 0-5 amp, 0-10 amp	SES	12		
68	Time delay relay 0-60 sec.	ANLY	45		
69	4 way junction box metal 3/4"	PUN	70		
70	4 way junction box pvc 3/4"	MP	70		
71	3 way junction box metal 3/4"	PUN	70		
72	3 way junction box pvc 3/4"	MP	70		
73	Inspection tee metal 3/4"	PUN	70		
74	Inspection tee pvc 3/4"	MP	70		
75	Elbow metal 3/4"	PUN	70		
76	Elbow pvc 3/4"	MP	70		
77	Through way box metal 3/4"	PUN	70		
78	Through way box pvc 3/4"	MP	70		
79	End box metal 3/4"	PUN	50		
80	End box pvc 3/4"	MP	120		
81	Compatmen soket	ULI	6		
82	4 way Junction box	MP	6		
83	Ceiling fan	PANASONIC	3		
84	Main switch board 630 amp lengkap dengan ACB, O.C relay, E/F relay MCCB dan 3 step capasitor bank	PUNCAK GENERASI	1		
85	Penghidup motor Autotransformer 3.75 kw	PUNCAK GENERASI	10		
86	Rotor Resistance 5 Hp (3 step) volt 460v, 5.2 amp.nTasting 2 star.1	MADE IN CHINA (NO BRAND)	10		
87	Wound rotor induction 2.2kw, 9 terminal		2		
88	Jengset 3 phase 25 kva	CHINA (NO BRAND)	1		
89	Skop		20		
90	Cangkul		20		
91	Alat pengukur		20		

92	Pita pengukur		20		
93	Pasir		1 lori		
94	Batu merah 75mm x 100mm x 225mm		1 lori		
95	Kabel 4 teras x 50mm pvc/swa/pvc 4 teras 50 meter	MEGA / TAI SIN / UTAMA	1		
96	Lampu jalan	NIKKON	4		
97	Tiang lampu jalan	LYSAGHT / GALVAPOLE	4		
98	Panel kawalan lampu jalan 240 V, LV feeder filler 100 A	PUNCAK GENERASI	1		
99	Notis keselamatan / papan tanda awas		5		
100	Kabel slap / papan penanda oren	PVC LINK	10		
101	Kabel slap / papan penanda hijau	PVC LINK	10		
102	Paip galvani 150mm		2		
103	Pendekap 'D'		36		
104	Penebat Belunggu		36		
105	Belunggu 'U'		36		
106	Pencekak belunggu		36		
107	*Bolt* dan *Nut* bersaiz 16mm garis pusat termasuk sesendal dan panjang *bolt* adalah 65mm, 120mm, 180mm, 200mm dan 300mm		180		
108	Tiang kayu saiz 130mm x 130mm x 7.6 meter		4		
109	Tiang kayu saiz 150mm x 150mm x 9 meter		4		
110	Jointer kabel underground 50 mm		2		
111	Press kabel underground 150 mm		2		

Jumlah Keseluruhan

Jangkaan tempoh penghantaran:

(minggu)