

MAJLIS PERBANDARAN HULU SELANGOR
Jabatan Kejuruteraan

NO. RUJUKAN : _____

Bahagian 3

TAJUK KERJA :
 CADANGAN KERJA MENAIK TARAF MAIN SWITCH BOARD (MSB) 600AMP TERMASUK KERJA MEMASANG LAMPU COMPOUND JENIS LED SOLAR DI DEWAN DATO' ABD HAMID, BATANG KALI

Nama & Alamat Kontraktor / Syarikat

Pengesahan Pejabat :



SENARAI KUANTITI

Bil.	Perkara	Unit	Kuantiti	Kadar	Harga (RM)
	PERSEDIAAN AWALAN				
1	Menyediakan Insuran Kerja sepanjang tempoh kerja seperti : Insuran Pampasan Kerja (Contractor All Risks) Insuran Tanggungan Awam	L.S	1.0		
2	Menyediakan keperluan sepanjang tempoh kontrak seperti : Lapuran Kemajuan, Gambar Projek dan Lukisan. Penyediaan papan tanda sementara & kawalan lalulintas	L.S	1.0		
3	Kos-kos yg bersangkutan dengan kerja di tapak sepanjang tempoh kontrak seperti berikut : Kos utk pelupusan sisa binaan ke tapak pelupusan MPHS Kos berurusan dengan pihak Utiliti (TNB)	L.S	1.0		
5	Kos sewa jentera atau seumpamanya untuk skop memasang set lampu compound di semua lokasi terlibat sepanjang tempoh pelaksanaan kerja termasuk aspek kawalan lalulintas di semua lokasi kerja terlibat	Hari	3.0		

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SENARAI KUANTITI					
Bil.	Perkara	Unit	Kuantiti	Kadar	Harga (RM)
	Nota :	Jumlah drpd. m/surat sebelah			
	Semua kuantiti yg diberi adalah anggaran & pengesahan sebenar tertakluk kpd pengukuran semula di tapak bina.				
A	<u>Skop kerja untuk Main Switch Board (MSB)</u>				
1	Melantik Pihak Perunding M&E untuk kerja-kerja pengesahan MSB, lukisan pemasangan termasuk kerja-kerja berkaitan	L.S	1.0		
	ELECTRICAL INSTALLATION				
	Do electrical submission for meter TNB installation	Lot	1.0		
	MAIN SWITCHBOARD				
	To supply and install the following Main Switch Board/Distribution Boards Metalclad type complete with MCCB's, MCB's, RCCB's, protection relay, CTs, digital power meter, Firemen Switch, indicator light, earthing system, timer switch, contactor, termination cable, cable tagging and all other necessary accessories as per drawings and specification:-				
	a. MSB (600A TPN)	Lot	1.0		
	SUB-MAIN CABLING				
i.	To supply and install of the following LV cable to the following MSB as per drawings and specification c/w cable glands, cable marker, cable protective covers, excavation, back filling and making good of surface, cable termination from both end using the following cu. cable:-				
	LV CABLE				
	2 X 4C 300mm sq XLPE/SWA?PVC CU cable laid underground form MSB to Metering Kiosk TNB	m	60.0		
ii.	Earthing sytem for MSB and compact sub	L.S	1.0		
	LV METERING PANEL TNB				
	To supply, delivery, testing and comm1ss1oning including terminating, orange coloured nylon rope, making good of surface and jointing, etc which deemed necessary for the completion of the works.				
i.	To supply and install lv metering panel TNB c/w internal wiring, digital meter TNB, 1 x 12C 25sq.mm armoured cable c/w accessories as per TNB reauirement	LOT	1.0		

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SENARAI KUANTITI					
Bil.	Perkara	Unit	Kuantiti	Kadar	Harga (RM)
	Nota : Semua kuantiti yg diberi adalah anggaran & pengesahan sebenar tertakluk kpd pengukuran semula di tapak bina.	Jumlah drpd. m/surat sebelah			
ii.	Earthing sytem for metering KIOSK TNB AND COMPACT SUB	LOT	1.0		
MISCELLANEOUS ITEM					
i.	To arrange and liase with relevant authorities (TNB, PBT) inspection for the whole installation until final clearance is obtained	L.S	1.0		
ii.	Commissioning test of the whole works in accordance with specification requirements	L.S	1.0		
iii.	Setting (calibration relay dan etc.) for MSB by registered service engineer with Suruhanjaya Tenaga	L.S	1.0		
LAMPU COMPOUND SOLAR					
i.	Membekal dan memasang lampu compound lighting jenis solar led 30w,CCT; 3000-6500K, lighting time: 10 - 14 hours, 180 lm/w, 24AH/12.8V	no	30.0		
ii.	Tiang galvanised dengan ketinggian 8M lengkap aksesori berkaitan termasuk tapak konkrit	no	30.0		
B Skop Baikpulih Bilik Utiliti Sedia ada					
1	KERJA MEMECAH DINDING SEDIA ADA Skop memecah dinding sedia ada termasuk membuat kemasan semula mana mana struktur yang rosak serta kerja-kerja berkaitan	L.S	1.0		
2	PINTU Skop bekak dan pasang pintu 2 daun dari jenis (<i>louvers fibre glass composite door</i>) berukuran 2400mm x 3000mm min. termasuk aksesori terlibat seperti aluminium frame, hinge, set kunci, stainless steel anti-verminetting, rubber skirting dan lain-lain serta kerja-kerja berkaitan.	Set	1.0		
JUMLAH BESAR DI BAWA KE BORANG SEBUT HARGA					