

SENARAI KUANTITI

TAJUK CADANGAN MENGUBAHSUAI GIMNASIUM MBSJ, ARAS BESMEN, BANGUNAN IBUPEJABAT
KERJA MAJLIS BANDARAYA SUBANG JAYA

NO. FAIL : MBSJ.KUB.400-5/7/1251

BIL.	HURAIAN KERJA	UNIT	KUANTITI	KADAR (RM)	JUMLAH (RM)
	KERJA-KERJA M & E Kerja-kerja Am				
A	Kerja-kerja membuat dan menebuk bagi penyediaan laluan pendawaian di atas siling/lantai/dinding untuk laluan trunking - <i>Plug Point</i> mengikut arahan Pegawai Penguasa atau wakil Pegawai Penguasa Kerja-kerja membekal dan memasang 'Casing / underground piping' / melalui atas siling / penutup dan <i>Bracket</i> berukuran 2" x 4" untuk laluan pendawaian elektrik. Serta pemasangan di dalam lantai / siling (<i>Concealed Installation</i>) mengikut arahan Pegawai Penguasa atau wakil Pegawai Penguasa .Sila rujuk lukisan untuk:-	M	150		
B	Elektrik (1"x 4")	M	150		
C	Kerja-kerja membekal dan memasang <i>emergency light</i> lekapan siling berserta kerja-kerja pendawaian sehingga siap sempurna berfungsi mengikut arahan Pegawai Penguasa atau wakil Pegawai Penguasa. Berkeupayaan sehingga 3 jam serta mempunyai pengesahan SIRIM.	NOS	6		
D	Kerja-kerja pengujian dan menghantar keputusan ujian kepada pegawai penguasa ke atas pemasangan elektrik untuk siap sedia digunakan. (Borang G - Perakuan Penyeliaan dan Penyiapan) (Borang H - Perakuan Pengujian) (Kontraktor hendaklah menyediakan lukisan litar skematik pendawaian elektrik di setiap tapak lokasi mengikut arahan Pegawai Penguasa atau wakil Pegawai Penguasa)	BORONG	-		
E	Penyediaan lukisan litar skematik pendawaian elektrik dengan pengesahan <i>Competent Person</i> di setiap tapak lokasi mengikut arahan Pegawai Penguasa atau wakil Pegawai Penguasa disemua kawasan terlibat.	BORONG	-		
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	JUMLAH DI BAWA DARI HADAPAN: Kerja-kerja Elektrik Kerja-kerja membekal dan memasang semua bahan mengikut spesifikasi piawaian JKR secara pendawaian konduit dengan menggunakan kabel PVK. (Pendawaian di atas dan di dinding serta siling di dalam konduit / <i>trunking</i> keluli <i>galvanised</i> mengikut arahan Pegawai Penguasa atau wakil Pegawai Penguasa. Harga termasuk kerja pemasangan konduit dan <i>trunking</i> keluli <i>galvanised</i>) untuk :-				
A	Sub-sesalur menggunakan kabel PVC/SWA/PVC 16mm ² 4 Core SSB-A ke peti agihan.	M	50		
B	Kerja-kerja pendawaian mata soket alur keluarkuasa l/d suis soket alur keluar 13A menggunakan kabel 2x2.5mm persegi dan kabel perlindungan mengikut arahan Pegawai Penguasa atau wakil Pegawai Penguasa.	SET	26		
C	Kerja-kerja 'ewiring /pendawaian semula mata pendawaian elektrik punca alur keluar kuasa dan mata pendawaian lampu di dalam peti agihan ke beban pengguna sehingga berfungsi dengan baik (<i>make good</i>) mengikut arahan Pegawai Penguasa atau wakil Pegawai Penguasa	BORONG	-		
D	Kerja-kerja pendawaian mata lampu lengkap dengan suis lampu menggunakan kabel 2mm x 1.5mm lengkap dengan kabel perlindungan (cadangan litar skematik perlu dikemukakan) mengikut arahan Pegawai Penguasa atau wakil Pegawai Penguasa	SET	28		
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	JUMLAH DI BAWA DARI HADAPAN: Kerja-kerja Mekanikal				
A	Kerja-kerja Membekal dan memasang kelengkapan penghawa dingin <i>Split Unit Wallmounted</i> lengkap dengan fungsi WIFI jenis wireless controller (<i>indoor & outdoor units</i>) Jenis R32 : 1.0HP lengkap dengan pendawaian elektrik penghawa dingin l/d suis water heater 20A termasuk <i>copper pipe, drainage, bracket, piping</i> dan pendawaian <i>indoor-outdoor</i> serta lain-lain kerja yang berkaitan mengikut arahan Pegawai Penguasa atau wakil Pegawai Penguasa	NOS	4		
B	Kerja - kerja pendawaian penghawa dingin dari panel kawalan baru lengkap dengan pendawaian elektrik, <i>copper pipe</i> dan <i>ducting/trunking</i> sehingga berfungsi dengan baik mengikut arahan Pegawai Penguasa atau wakil Pegawai Penguasa	SET	4		
C	Kerja - kerja membekal dan memasang kipas siling 5 bilah moden (Motor DC + alat kawalan jauh, termasuk pendawaian elektrik/suis serta segala aksesori sehingga siap sempurna serta lain-lain kerja berkaitan mengikut arahan Pegawai Penguasa atau wakil Pegawai Penguasa	SET	4		
D	Kerja-kerja membekal & memasang lampu jenis <i>linear light</i> 50W (2400 luminous flux), Voltage 220-240V berukuran 1170(L) x 100 (H) x 40(W) lengkap dengan segala aksesori sehingga siap sempurna mengikut arahan Pegawai Penguasa atau wakil Pegawai Penguasa	SET	28		
E	Kerja-kerja membekal dan memasang <i>LED Track Spotlight</i> 12W/20W jenis pencahayaan <i>warm light</i> lengkap dengan 3 lampu sorot boleh laras serta aksesori berkaitan sehingga siap sempurna mengikut arahan Pegawai Penguasa atau wakil Pegawai Penguasa	SET	4		
F	Kerja-kerja membekal dan memasang lampu <i>LED Strip Light RGB RGBW Strip Light</i> (Gred A) yang membolehkan pertukaran pelbagai warna menggunakan alat kawalan. Kedudukan lampu LED adalah di atas cermin.	M	42		
F	Kerja-kerja membekal dan memasang ceiling exhaust fan berukuran 350mm~370mm X 350mm~370mm termasuk pendawaian elektrik/suis serta segala aksesori sehingga siap sempurna serta lain-lain kerja berkaitan mengikut arahan Pegawai Penguasa atau wakil Pegawai Penguasa	SET	2		
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BIL.	HURAIAN KERJA	UNIT	KUANTITI	KADAR (RM)	JUMLAH (RM)
A	JUMLAH DI BAWA DARI HADAPAN: Kerja-kerja Pemasangan Aksesori PA System Kerja-kerja membekal dan memasang serta lain-lain kerja yang berkaitan mengikut arahan Pegawai Penguasa atau Wakil Pegawai Penguasa : Powered Mixer <i>12-channel box-type powered mixer featuring a high-efficiency Class-D amplifier delivering 2 x 710W at 4 ohms includes onboard 1-knob compressors, 24 SPX digital effects, a Flex 9 graphic equalizer, and a feedback suppressor</i>	SET	1		
	Key Specifications : Channels: 12 inputs total (8 mono mic/line + 4 stereo line) Power Output: 2 x 710W @ 4Ω or 2 x 500W @ 8Ω (1kHz THD+N <10%) Instrument Connectivity: Dedicated Hi-Z input on channel 4 for direct bass or electric guitar hookup Sound Shaping: 3-band EQ per channel, 1-knob compressors on channels 1–4, and a 9-band Flex-type graphic EQ Safety & Build: Integrated feedback suppressor, durable metal chassis. and large portable carry handles				
B	Loudspeaker System <i>700-watt 10-inch 2-way passive loudspeaker designed for professional sound reinforcement and fixed installations</i> Key Specifications : Type: 2-way passive loudspeaker, bass-reflex Power Handling: 350W PGM (Program), 700W peak max Drivers: 10-inch cone LF woofer (2-inch voice coil) and 1.4-inch HF compression driver Frequency Range: 55 Hz – 20 kHz (-10 dB) Maximum Peak SPL: 122 dB Nominal Impedance: 8 ohms Coverage Angle: 90° x 60° (rotatable horn for vertical or horizontal placement) Connections: Speakon inputs and outputs (thru) Enclosure: Plywood with a tough polyurea coating Weight: (approx. 13.6 kg) Features & Mounting Rotatable Horn: Lets you mount the speaker vertically or horizontally while maintaining proper high-frequency dispersion. Mounting Options: Includes a 35mm (1.37-inch) pole socket for stands and M10 rigging points for eyebolts. You can also use the optional Yamaha Malaysia UB-DXRDR10 U-bracket for wall or ceiling mounting. Processor Tuning: Optimized for use with Yamaha PX-series amplifiers and other DSP-equipped processors	SET	4		
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BIL.	HURAIAN KERJA	UNIT	KUANTITI	KADAR (RM)	JUMLAH (RM)
A	JUMLAH DI BAWA DARI HADAPAN:	SET	4		
	Speaker Wall Mounted Bracket				
	Max Capacity : 30 kg ±				
	Material : Metal				
	Maximum Length : 360 mm				
	Minimum Length : 260 mm				
	Dimension Box (W x D x H) : 350 x 255 x 80 mm				
	Nett Weight : 4 kg				
	Gross Weight : 4.30 kg				
B	DVD Player c/w USB Port	SET	1		
	DVD player with HDMI output and dual microphone inputs				
	Key Specifications :				
	Includes two microphone inputs with volume control and a key control function to adjust music pitch.				
	Media Playback: Plays DVD, CD, VCD, SVCD, MP3, MP4, and MPEG formats.				
	USB & Ripping: Supports USB 2.0 playback for files like MP3 and AVI, plus CD ripping.				
	Video Output: Features an HDMI output, RGB output, and progressive scan picture enhancement.				
	Audio Controls: Comes with an audio left-right (L-R) selector and an LED display				
	Power Supply: 100V - 240V / 50 - 60Hz				
	Dimensions: 430 mm (width) x 38 mm (height) x 180 mm (depth)				
	Weight: 2.0 kg				
	C				
577mm (H) x 600mm (W) x 500mm (D)					
3 x Power outlet					
19" WALL MOUNT RACK - 500MM DEPTH c/w :- Rack Framework					
Front PERSPEX (Acrylic) or PERFORATED Door with Lock					
2 Detachable Side Panels with Lock					
4 Adjustable Panel Mounting Members					
1 Row Power Outlet with Cable & Plug Top					
20 sets M6 Caged Nuts & Screws					
Epoxy High Quality Powder Coated Finishing (Black)					
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A	JUMLAH DI BAWA DARI HADAPAN:	SET	1		
	System Interacking, Bracket & Accessories <i>Supply, installation, configuration, and integration of system components, mounting hardware, and all necessary accessories for a complete operational setup</i> <u>Key Specifications :</u> <i>Heavy-duty adjustable brackets (e.g., wall/ceiling mounts) securely anchored to support the specific weight and dimensions of the equipment</i> <i>Integration, cabling termination, and signal calibration to ensure seamless communication between source devices and display/audio outputs</i> <i>Provision of all necessary mounting accessories, fasteners, cable management clips, and connectors required for a neat and professional finish</i> <i>Functional testing of the entire integrated system to ensure optimal performance prior to handover</i>				
B	Running 2C Pure Copper Speaker Cable c/w Pvc Pipe <i>Running a 2-core (2C) pure copper speaker cable inside a PVC pipe protects the wire from physical damage, moisture, and interference during concealed or surface-mounted installations.</i> <i>Protection: The PVC conduit (pipe) shields the pure copper cable from sharp edges, crushing, and pests.</i> <i>Pure Copper Material: Ensures minimal signal resistance, better sound fidelity, and resistance to oxidation compared to CCA (Copper-Clad Aluminum) alternatives</i> <i>Cable Pulling: Use a pulling wire (fish tape) inside the PVC pipe to guide the 2C speaker wire smoothly through bends and long runs</i>	SET	4		
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A	JUMLAH DI BAWA DARI HADAPAN:	SET	2		
	55" Smart TV				
	Key Specifications :				
	Resolution: 4K Ultra HD (3840 x 2160) for sharp, clear details				
	Netflix, YouTube, Prime Video, and the Google Play Store				
B	Processor for smart image optimization, and Dolby Audio /	SET	2		
	Design: Slim, metallic bezel-less design that fits modern living spaces				
	Gaming & Performance: Selected models include a 120Hz game accelerator and HDMI 2.1 support for smoother gaming				
	TV Hanging Bracket				
	Key Specifications :				
C	TV Bracket 55" TV Rack Wall mount Bracket Rack TV Max 25Kg / 50Kg 42 50 Inch Vesa Adjustable Tilt Triple Arm	SET	1		
	1x2 HDMI Splitter				
	Key Specifications :				
	Signal distributor that takes one HDMI 1.4A input and duplicates it onto two HDMI displays or projectors				
	Key Specifications :				
	Resolution Support: Up to 4K x 2K and 1080p				
	Video & Color: Full 3D video support and Deep Color (30-bit, 36-bit, 48-bit)				
	Audio Formats: DTS-HD, Dolby TrueHD, LPCM 7.1, DTS, Dolby AC3, and DSD				
Cable Range: Supports input cables up to 15 meters (AWG26) and output cables up to 20 meters (AWG26) standard HDMI					
Power Requirement: Operates on an external DC 5V/2A power supply (included adapter handles 100V–240V AC)					
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A	JUMLAH DI BAWA DARI HADAPAN:	SET	2		
	Running Fiber Optic HDMI Cable				
	Supply and install a dedicated fiber optic HDMI cable run for high-definition audio-visual transmission				
	Key Specifications :				
	Cable Type: High-speed active fiber optic HDMI cable (supporting 4K/8K resolution at high refresh rates), immune to electromagnetic interference (EMI)				
	Running Method: Cables neatly installed either concealed within the wall/ceiling or via surface trunking/conduit from the source equipment (e.g., media player, console) to the display device (e.g., TV, projector)				
	Testing: Complete installation tested for stable signal transmission and handshake connectivity prior to handover				
B	Running TV Power Cable c/w On/Off Switch	SET	2		
	Supply and install a dedicated power cable run for a television, complete with a manual control switch.				
	Key Specifications :				
	Cable Type: Heavy-duty flexible power cable (e.g., 3-core 1.5mm² PVC flexible cord or complying with local standards) suitable for household electrical appliance loads				
	Switch Control: Equipped with a single-pole on/off switch (or switched fused spur unit with neon indicator) to easily isolate the power supply without unplugging the main plug				
	Running Method: Cables neatly installed either concealed within the wall (concealed trunking/chasing) or surface-mounted using PVC casing/trunking from the existing power source to the designated TV bracket location				
	Testing & Commissioning: Completed works shall be fully tested for correct polarity, earth continuity, and insulation resistance prior to handover				
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A	JUMLAH DI BAWA DARI HADAPAN:	SET	1		
	Running Metal Rack Power Cable c/w On/Off Switch				
	Supply and install a dedicated power cable run to the metal equipment/server rack, complete with a manual control switch				
	<u>Key Specifications :</u>				
	Cable Type & Rating: Heavy-duty electrical cable (e.g., 3-core 2.5mm² PVC cable or as required by load capacity) enclosed in appropriate conduit or trunking				
	Switch Control: Equipped with an isolator switch or switched socket outlet (c/w on/off switch) for safe manual shutdown and maintenance of rack-mounted equipment				
	Running Method: Cables neatly routed, secured, and managed from the main distribution board or existing power source to the designated metal rack location				
	Testing: Completed electrical installation tested for continuity, polarity, and insulation resistance compliance prior to handover				
B	Delivery,Installation and Testing Commissioning	BORONG	-		
	Comprehensive provision covering the logistics, physical mounting, technical configuration, and final verification of the supplied equipment/system				
	Safe transportation, handling, and offloading of all equipment and accessories to the designated project site in good condition				
	Professional assembly and mounting of equipment in accordance with manufacturer specifications, architectural layouts, and local safety standards				
	Rigorous functional, electrical, and operational testing (including system calibration and signal checks) to ensure full compliance and flawless performance prior to official handover				
JUMLAH DIBAWA RINGKASAN HARGA					