



NO.SEBUTHARGA : JKR / WPP / Q / 43 / 2024

KERJA-KERJA MENAIKTARAF SISTEM  
PENCAHAYAAN PENTAS DAN SISTEM TIRAI  
PENTAS SERTA KERJA-KERJA BERKAITAN DI  
DEWAN SERBAGUNA, BLOK E12, KOMPLEKS E,  
PUTRAJAYA.

TARIKH TUTUP : 8 MEI 2024

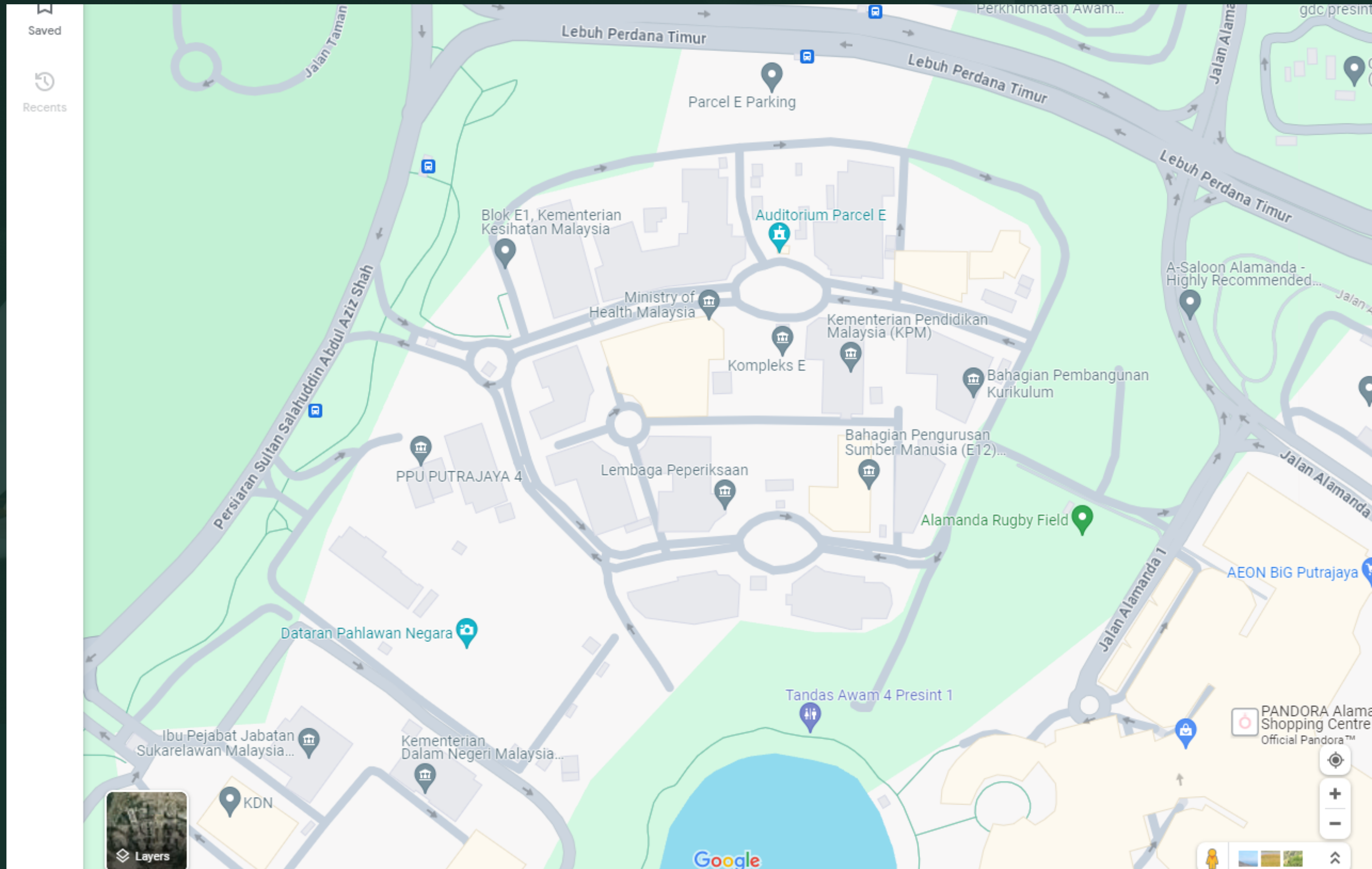


# SYARAT KELAYAKAN

- 01 KONTRAKTOR YANG BERDAFTAR DENGAN CIDB
- 02 GRED G3
- 03 KATEGORI ME
- 04 PENGKHUSUSAN : E04, E06 DAN E11
- 05 PENDAFTARAN PENDAFTARAN KONTRAKTOR  
YANG BERALAMAT DI WILAYAH PERSEKUTUAN  
PUTRAJAYA / DAERAH HULU LANGAT / DAERAH  
PETALING / DAERAH SEPANG



# LOKASI TAPAK



# TARIKH-TARIKH PENTING

23-24 April 2024

TARIKH MOHON  
SEBUTHARGA.

25 April 2024

PENYEBUTHARGA YANG  
BERKELAYAKAN AKAN  
MENERIMA KATA LALUAN  
DAN PAUTAN UNTUK  
MEMUAT TURUN DOKUMEN  
SEBUTHARGA

8 Mei 2024

TUTUP  
SEBUTHARGA

LOKASI PENGHANTARAN  
SALINAN CETAK  
SEBUTHARGA

PETI SEBUT HARGA  
BAHAGIAN KONTRAK DAN UKUR  
BAHAN, JKR WILAYAH  
PERSEKUTUAN PUTRAJAYA, ARAS 2,  
BLOK F7, KOMPLEKS F, PUSAT  
PENTADBIRAN KERAJAAN  
PERSEKUTUAN, 62000 PUTRAJAYA

# TECHNICAL SPECIFICATIONS

01

## Digital Multiplex (DMX) Control Console

### Hardware Specifications:

- Universes supported: 1
- Direct DMX Outputs 5-Pin XLR: 1
- Master Playback Faders: 2 Chase, 1 Cue Stack
- Multi-Function Fixture Faders: 20
- Bump Buttons: Yes
- Attribute Encoders: 0
- Dedicated Hue/Saturation Encoders: Yes
- Inbuilt 9.7" Multi-touch Display: Yes
- External Monitor: 1920 x 1080 HDMI
- Inbuilt Wi-Fi: Yes
- Network Port: 1
- USB Ports: 2
- Audio Input: 1
- Audio Output: 1\*
- MIDI Ports in/out: No

### Software Specifications:

- Max Number of DMX Channels: 512
- Max Number of Fixtures Supported: 512
- Max Number of Cue Stacks: 1
- Max Number of Chases: 2
- Midi & Midi Timecode Supported: No
- OSC Supported: Yes
- RDM Autopatch for fast show patching
- Fixture library of over 30,000 fixture files
- Built in FX generator
- Colour picker and Gel inbuilt Gel library
- Offline designer software available for Windows and Mac



# TECHNICAL SPECIFICATIONS(cont...)

02

## Digital Multiplex (DMX) Splitter

### Specifications

- DMX Channels:3- and 5-pin
- Input Voltage:Auto-ranging 100 – 240VAC 50/60Hz
- Power and Current:3W, 0.1A @ 120V 60Hz
- 5W, 0.1A @ 230V 50Hz
- Weight:5.8 lb (2.6 kg)
- Size:19 x 5.3 x 1.8 in (483 x 134 x 46 mm)
- Approvals:CE
- 

03

## 100W Warm White LED Profile Spotlight

### Specifications

- DMX Channels:1 or 3
- DMX Connectors:3-pin XLR
- Light Source:1 LED (warm white) 100 W (2.3 A), 50,000 hours life expectancy
- Strobe Rate:0 to 30 Hz
- Zoom Angle:(manual): 14° to 30°
- Illuminance:(14°): 15,100 lux @ 2 m
- (30°): 3,800 lux @ 2 m
- (14°): 3,238 lux @ 5 m
- (30°): 829 lux @ 5 m
- Power Linking:9 units @ 120 V; 16 units @ 230 V
- Input Voltage:100 to 240 VAC, 50/60 Hz (auto-ranging)
- Power and Current:106 W, 0.9 A @ 120 V, 60 Hz
- 103 W, 0.5 A @ 230 V, 50 Hz
- Gobo Size:M (66 mm outside, 48 mm image, 2 mm max thickness)
- Weight:12.6 lb (5.7 kg)
- Size:24 x 7.2 x 16.9 in (611 x 183 x 430 mm)
- Approvals:CE, MET
- CRI: 80
- Color Temperature: 3,500 K
- Accessory Holder/Gel Frame Size: 6.3 x 6.3 in (160 x 160 mm)/6.24 x 6.24 in (158.5 x 158.5 mm)

# TECHNICAL SPECIFICATIONS(cont...)

04

## 250W LED Spot Moving Head

### Specifications

- Specifications
- DMX Channels:10 or 16
- DMX Connectors:3-pin XLR
- Pan and Tilt:540°/270°
- Pan and Tilt Ranges:540°, 360°, 180° pan/270°, 180°, 90° tilt
- Colors:7 + white, split colors, continuous scroll at variable speeds
- Gobos:(1): 7 + open (6 metal + 1 glass), rotating, interchangeable, indexing, continuous scroll at variable speeds
- (2): 8 + open, continuous scroll at variable speeds
- Light Source:1 LED (white) 250 W, (16.3 A), 50,000 hours life expectancy
- Strobe Rate:0 to 20 Hz
- PWM Frequency:2 kHz
- Zoom Angle:(motorized): 13° to 28°
- Illuminance:(13°): 106,300 lux @ 2 m
- (28°): 23,680 lux @ 2 m
- (13°): 14,290 lux @ 5 m
- (28°): 3,741 lux @ 5 m
- Lumens:10,433
- Power Linking:3 units @ 120 V; 5 units @ 230 V

### Specifications

- Input Voltage:100 to 240 VAC, 50/60 Hz (auto-ranging)
- Power and Current:380 W, 3.4 A @ 120 V, 60 Hz
- 378 W, 1.9 A @ 230 V, 50 Hz
- Gobo Size:25.7 mm outside, 21 mm image, 1.3 mm max thickness
- Weight:36.2 lb (16.5 kg)
- Size:14.3 x 9.8 x 20.9 in (363 x 250 x 531 mm)
- Approvals:CE, MET
- Prism: (1): 6-facet round, bidirectional rotation at variable speeds
- (2): 6-facet linear, bidirectional rotation at variable speeds
- Optional Controllers: IRC-6

# TECHNICAL SPECIFICATIONS(cont...)

05

## 180W (12 x 15 W) LED Wash Zoom Moving Head

### Specifications

- DMX Channels:14, or 29
- DMX Connectors:3-pin XLR
- Pan and Tilt:540°/270°
- Pan and Tilt Ranges:540°, 360°, 180° pan/270°, 180°, 90° tilt
- Light Source:12 LEDs (quad-color RGBW) 20 W (3.7 A), 50,000 hours life expectancy
- Strobe Rate:0 to 20 Hz
- PWM Frequency:1,200 Hz
- Zoom Angle:7° to 34°
- Illuminance:(7°): 21,560 lux @ 2 m
- (34°): 2,320 lux @ 2 m
- Power Linking:4 units @ 120 V; 8 units @ 230 V
- Input Voltage:100 to 240 VAC, 50/60 Hz (auto-ranging)
- Power and Current:219 W, 1.9 A @ 120 V, 60 Hz
- 207 W, 1 A @ 230 V, 50 Hz
- Weight:15.8 lb (7.2 kg)
- Size:7.6 x 10.9 x 14.3 in (194 x 277 x 363 mm)
- Approvals: CE
- Optional Controllers: IRC-6





# TECHNICAL SPECIFICATIONS(cont...)

06

## 12 x 4W High-Output, Quad -Color (RGBA) LED Wash Light PAR Spotlight

### Specifications

- DMX Channels:4 or 9
- DMX Connectors:3-pin XLR
- Light Source:12 LEDs (quad-color RGBA) 4 W, (0.8 A), 50,000 hours life expectancy
- Strobe Rate:0 to 18 Hz
- PWM Frequency:1,200 Hz
- Beam Angle:17°
- Field Angle:35°
- Illuminance:2,738 lux @ 2 m
- Power Linking:12 units @ 120 V; 21 units @ 230 V
- Input Voltage:100 to 240 VAC, 50/60 Hz (auto-ranging)
- Power and Current:45 W, 0.7 A @ 120 V, 60 Hz
- 44 W, 0.4 A @ 230 V, 50 Hz
- Weight:4.8 lb (2.2 kg)
- Size:9.7 x 3.6 x 11.5 in (247 x 92 x 293 mm)
- Approvals:CE
- Optional Controllers: IRC-6



# TECHNICAL SPECIFICATIONS(cont...)

07

## LED Downlight 26W (Luminaire)

### Specifications

- Mounting: Recessed
- Housing Finishing: Epoxy Powder Coating
- IP Rating: IP20
- Luminaire Flux (lm): +-3084lm
- Diffuser: Frosted Diffuser
- Warranty: 5 years Warranty

08

## LED Downlight 26W (Control Gear)

- System Wattage: 26W
- Power Factor: 0.9
- Driver Efficiency:  $\geq 0.8$
- Total Harmonic Distortion:  $\leq 10\%$
- Driver Isolation: SELV
- Fault Protection: Short Circuit / Overload protection / Over temperature
- Compliance: EN 61347-2-13, EN 61347-1, EN 62493:2015

08

## LED Downlight 26W (Lamp – LED Strip/Engine)

- Colour Temperature: 3000K – 6500K (Tuneable White)
- Colour Rendering:  $\geq 80$
- SCDM: 5
- LED replacable without tools: Yes

# TECHNICAL SPECIFICATIONS(cont...)

10

## LED Downlight 26W (Accessories)

### Specifications

- Description: With Pre-wire connection between lamp holder & control gear
- Type/Material: 105°C HR PVC (1/0.737MM) Wire cable
- Bluetooth accessories: 6pcs Wall Switch, 6 Pcs Repeater, 6 Pcs Adapter, 1pcs tablet

11

## T8 LED Tube Bare Channel

- System Power: 1 x 14W
- Luminaire: 2100lm
- CRI: 80
- Life Span: 50,000 Hours.
- IP Rating: 20
- Thickness Housing: 0.5mm

# BILL OF QUANTITY



**LED Stage  
Lighting System**



**Motorised Stage  
Curtain System**



**Hall Lighting  
System**

# THANK YOU!



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