



NO. SEBUT HARGA : JKR / WPP / Q / 120 / 2024

**KERJA-KERJA MENAIKTARAF SISTEM PENCAHAYAAN
PENTAS DAN PENCAHAYAAN DEWAN SERTA LAIN-LAIN
KERJA BERKAITAN DI AUDITORIUM SP 8, KOMPLEKS
SETIA PERKASA, PUTRAJAYA**

TARIKH TUTUP : 13 OGOS 2024

SYARAT-SYARAT KELAYAKAN

Kontraktor-kontraktor yang berdaftar dengan CIDB

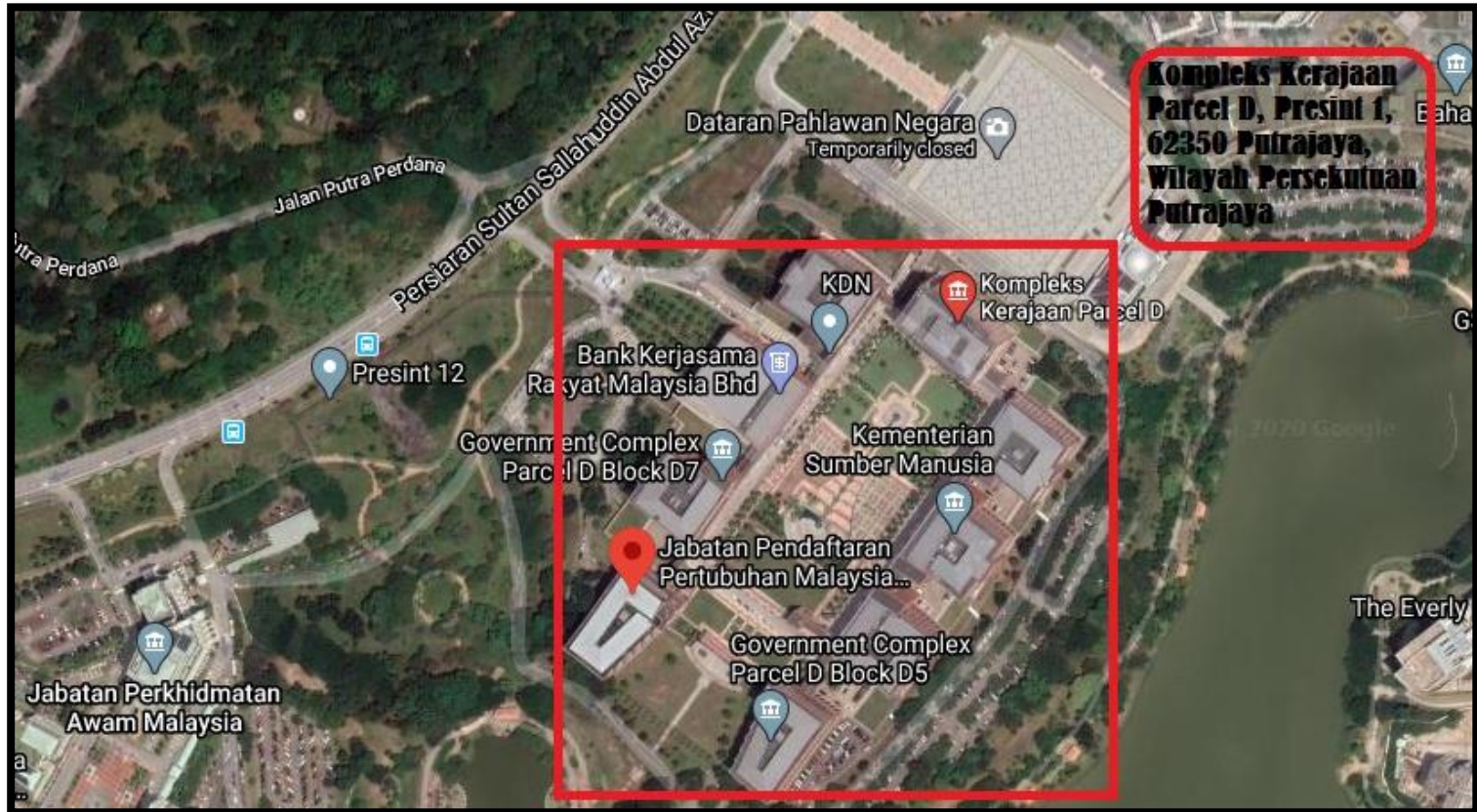
Gred : G3

Kategori : ME

Pengkhususan : E01, E02 dan E11

Pendaftaran kontraktor yang beralamat di Negeri Selangor,
Hulu Langat, Sepang, Wilayah Persekutuan Putrajaya

LOKASI BANGUNAN



MAKLUMAT BANGUNAN

BLOK	KEMENTERIAN / JABATAN
SP 1	KEMENTERIAN DALAM NEGERI (KDN)
SP 2	KEMENTERIAN DALAM NEGERI (KDN)
SP 3	KEMENTERIAN SUMBER MANUSIA (KSM)
SP 4	KEMENTERIAN SUMBER MANUSIA (KSM)
SP 5	JABATAN PERDANA MENTERI (JPM)
SP 6	KEMENTERIAN DALAM NEGERI (KDN)
SP 7	KEMENTERIAN DALAM NEGERI (KDN)
SP 8	AUDITORIUM
SP 9	KEMENTERIAN DALAM NEGERI (KDN)
SP 10	KEFETERIA / DEWAN SERBAGUNA

TARIKH-TARIKH PENTING SEBUTHARGA

TARIKH MOHON SEBUTHARGA DIBUKA	:	05 OGOS 2024 HINGGA 06 OGOS 2024
MUAT TURUN DOKUMEN DI LAMAN WEB (KONTRAKTOR BERJAYA)	:	PENYEBUTHARGA YANG BERKELAYAKAN AKAN MENERIMA KATA LALUAN DAN PAUTAN UNTUK MEMUAT TURUN DOKUMEN SEBUTHARGA PADA 07 OGOS 2024 SEHINGGA 12 OGOS 2024
TARIKH TUTUP SEBUTHARGA	:	13 OGOS 2024 JAM : 12.00 TENGAHARI
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

ARAHAN KEPADA PENYEBUTHARGA

- ❖ Penyebutharga adalah dianggap telah pun memperolehi maklumat-maklumat secukupnya dan memuaskan untuk tujuan mengemukakan sebarang tawaran harga bagi Sebutharga yang disertai.
- ❖ Penyebutharga juga adalah disyorkan untuk menjalankan segala penilaian dan pemerhatian kepada kerja-kerja yang akan diadakan, dilaksanakan dan telah pun memperolehi maklumat-maklumat penting berhubungkait, mencukupi dan memuaskan untuk tujuan mengemukakan sebarang tawaran harga bagi sebutharga yang disertai.
- ❖ Harga yang disertakan adalah termasuk segala barang, aksesori keperluan dan keselamatan bagi menyempurnakan kerja berkaitan.
- ❖ Penyebutharga digalakkan untuk membuat lawatan tapak bagi mengenalpasti keadaan/kedudukan sebenar di tapak.

SKOP TEKNIKAL & SPESIFIKASI (samb.)

Berikut adalah merupakan skop kerja bagi sebut harga ini :

VIDEO PROJECTION SYSTEM

- A. To supply and install multi format video matrix switch complete with other accessories
 - Superior video quality up to 4096 x 2160 @ 60 Hz
 - Auto switching—automatically detects and switches to a new source
 - Multiple control methods via front-panel pushbuttons, OSD, and IR remote

- B. To supply and install 4k hdmi & VGA Wall Plate complete with other accessories
 - Extend HDMI: 4K distance up to 100m
 - HDBaseT Long Reach Mode resolution 1080p up to 150 m
 - automatically switches to a newly plugged-in source
 - LED indication of sources and device status
 - Built-in 8KV / 15 KV ESD protection

SKOP TEKNIKAL & SPESIFIKASI (samb.)

C. To supply and install 4K HDMI HDBaseT Receiver complete with other accessories

- Extend HDMI: 4K distance up to 100m
- HDBaseT Long Reach Mode resolution 1080p up to 150 m
- automatically switches to a newly plugged-in source
- LED indication of sources and device status
- Built-in 8KV / 15 KV ESD protection

D. To supply and install cabling for video extender complete with other accessories

POWER AMPLIFIER

E. To supply and install Sound System Power Amplifier complete with other accessories

- 2-Channel Class TD Amplifier
- 2 x 2000W @ 8 Ohm

SKOP TEKNIKAL & SPESIFIKASI (samb.)

CCTV SYSTEM

G. To supply and install 4MP IR Network PTZ Camera complete with other accessories

- Excellent low-light performance
- Clear imaging against strong back lighting
- Pan and tilt ability enables camera to monitor zones of interest
- Up to 50 m IR range

H. To supply and install Network Video Recorder complete with other accessories

- 16-ch IP camera inputs
- 160 Mbps incoming bandwidth
- Support Motion Detection
- Smart search for the selected area in the video, and smart playback to improve the playback efficiency
- 16-ch synchronous playback

SKOP TEKNIKAL & SPESIFIKASI (samb.)

- A. To supply and install manageable network POE Switch complete with other accessories
 - 24 x gigabit PoE RJ45 ports, 1 x gigabit RJ45 port, 1 x gigabit fiber optical port
 - Total PoE power budget 370 W
 - Cloud management for security systems
 - Remote troubleshooting
 - Visualized topology management
 - Up to 300 m long-range PoE transmission
 - 6 kV surge protection
- B. To supply and install 24" LED Monitor complete with other accessories
- C. To supply and install UTP Cat 6 network cable form control room to network cctv camera complete with other accessories
- D. Installation work for CCTV Camera complete with other accessories

SKOP TEKNIKAL & SPESIFIKASI (samb.)

STAGE LIGHTING SYSTEM

F. To supply and install DMX Lighting controller as per site and specification complete with other accessories

G. To supply and install Rack Mounted 8 Channel DMX Splitter as per site and specification complete with other accessories

H. To supply and install 54 x 3W Quad Colour RGBW LED Parcan Spotlight c/w clamp, safety mesh, hook clamp, safety chain, bracket accessories & other necessary accessories

J. To supply and install Warm White 200W LED COB Light c/w clamp, safety mesh, hook clamp, safety chain, bracket & other necessary accessories.

K. To supply and install Moving Head 230W c/w clamp, safety mesh, hook clamp, safety chain, bracket & other necessary accessories.

SKOP TEKNIKAL & SPESIFIKASI (samb.)

L. To supply and install Follow Spot 350W complete with other accessories

M. To supply and install Wall mounted equipment rack / enclosure to housing DMX splitter c/w mounting support, mounting bracket, ventilation panel, ventilation fan and all other necessary accessories.

N. To supply and install cabling for Stage Lighting Cabling complete with other accessories

LIGHTING SYSTEM

P. To supply and install for 10" Complete set 26W (240mm Adapter Frame) recessed round downlight complete with 0%-100% Dimming System, Tuneable White LED (3000K - 6500K), Separate Osram/ Philips / Equivalent Constant Current driver, driver lifespan 50K Hours, Frosted Diffuser, Double frame for easy maintenance c/w Bluetooth System

Q. 3 set x 3 Wireless Wall Switch (12 scenes), 6 Repeater, 6 Adaptor c/w other necessary accessories

SKOP TEKNIKAL & SPESIFIKASI (samb.)

R. Tablet Mini for ios Operating System 64GB complete other necessary accessories

S. To supply and install switch socket outlet point 2 X 4mm PVC cable c/w circuit protective conductor for wall and other accessories. (**EMAL spec approved item**)

T. To supply and install T8 LED Bare Channel 1200mm length complete with Philips Master HO T8 Led tube 1 X 14W, 1 X 2100lm, 50/60K Hours Lifespan (fully comply CCT +/-275K as per JKR requirement, PF0.9,CRI80,1200mm, Cold Rolled Sheet housing, Epoxy Powder Coated, IP20, 0.5mm thickness housing, SIRIM Label, JKR, SIRIM & ST APPROVAL

A. To supply and install 8W recessed eyeball downlight complete with PL-CN50-COB-1400-830/15°, 24°, 40°/1400lm & external Equivalent driver with connector wire, driver, THD 20%, driver lifespan 50K Hours, 5 Years warranty

SKOP TEKNIKAL & SPESIFIKASI (samb.)

B. To supply and install 8W LED wall light @ Step Light (Custom Made) complete with LED SDCM 3, Equivalent driver with connector wire, THD<20%, driver lifespan 50K Hours , 5 years warranty

C. To supply and install T8 LED Bare Channel 600mm length complete with Philips Master HO T8 Led tube (Blue Colour) 1 X 10W, 15K Hours Lifespan, 600mm, Cold Rolled Sheet housing, Epoxy Powder Coated, IP20, 0.5mm thickness housing, SIRIM Label (For housing) SIRIM Label, JKR, SIRIM & ST APPROVAL

D. 1 X 10W LED emergency light, recessed mounting, (CLASS 1 Luminaire / AC & DC Fuse - Metal Housing - 5 Years warranty except Battery 4 Years Warranty) JKR, SIRIM & BOMBA APPROVAL

E. 1 X 10W LED emergency light, surface mounting, (CLASS 1 Luminaire / AC & DC Fuse - Metal Housing - 5 Years warranty except Battery 4 Years Warranty) -JKR, SIRIM & BOMBA APPROVAL

SKOP TEKNIKAL & SPESIFIKASI (samb.)

OUTSIDE THE HALL LEVEL 5

D. To supply and install 10W-20W (CURRENT SELECTED) LED 8" recessed round downlight complete with LED SDCM 3, Separate Osram or Philips driver with terminal box and connector wire, with THD<10%, driver lifespan 50K Hours, 5 Years warranty, Frosted Diffuser, Double frame for easy maintenance.

E. To supply and install T8 LED Bare Channel 1200mm length complete with Philips Master HO T8 Led tube 1 X 14W, 1 X 2100lm, 50/60K Hours Lifespan (fully comply CCT +/-275K as per JKR requirement, PF0.9,CRI80,1200mm, Cold Rolled Sheet housing, Epoxy Powder Coated, IP20, 0.5mm thickness housing, SIRIM Label, JKR, SIRIM & ST APPROVAL

OUTSIDE THE HALL LEVEL 4

F. To supply and install 10W-20W (CURRENT SELECTED) LED 8" recessed round downlight complete with LED SDCM 3, Separate Osram or Philips driver with terminal box and connector wire, with THD<10%, driver lifespan 50K Hours, 5 Years warranty, Frosted Diffuser, Double frame for easy maintenance.

SKOP TEKNIKAL & SPESIFIKASI (samb.)

G. Installation for Lighting System and Stage Lighting System at High Level Ceiling

H. Testing and Commissioning all equipment

J. User Handover Training for 10 person end users

Tempoh Siap Kerja:

Tempoh siap kerja bagi sebutharga ini adalah tidak melebihi **DUA BELAS (12) MINGGU**

SKOP TEKNIKAL & SPESIFIKASI (samb.)

Gambar-gambar lokasi yang terlibat :



LOKASI STAGE LIGHT DI BLOK SP8

SKOP TEKNIKAL & SPESIFIKASI (samb.)

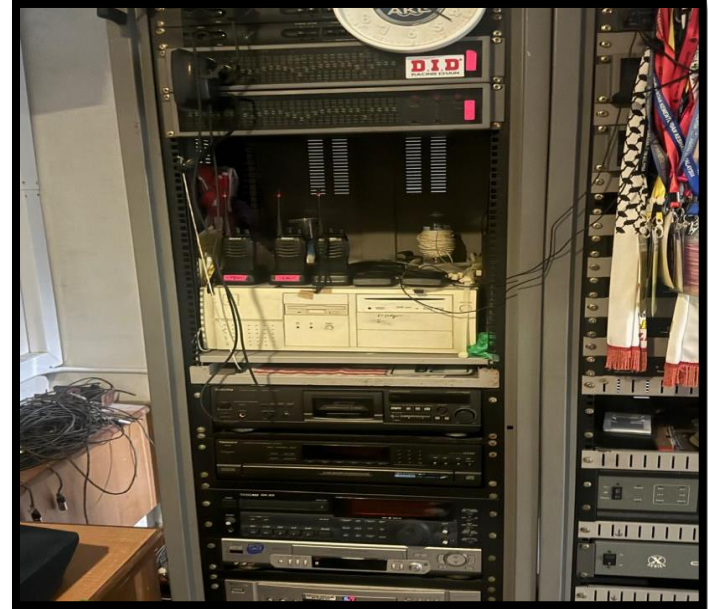
Gambar-gambar lokasi yang terlibat :



DIMMER CONTROLLER DI BLOK SP8

SKOP TEKNIKAL & SPESIFIKASI (samb.)

Gambar-gambar lokasi yang terlibat :



RACK CONTROLLER DI BLOK SP8

SKOP TEKNIKAL & SPESIFIKASI (samb.)

Gambar-gambar lokasi yang terlibat :



LAMPU DEWAN DI BLOK SP8

SKOP TEKNIKAL & SPESIFIKASI (samb.)

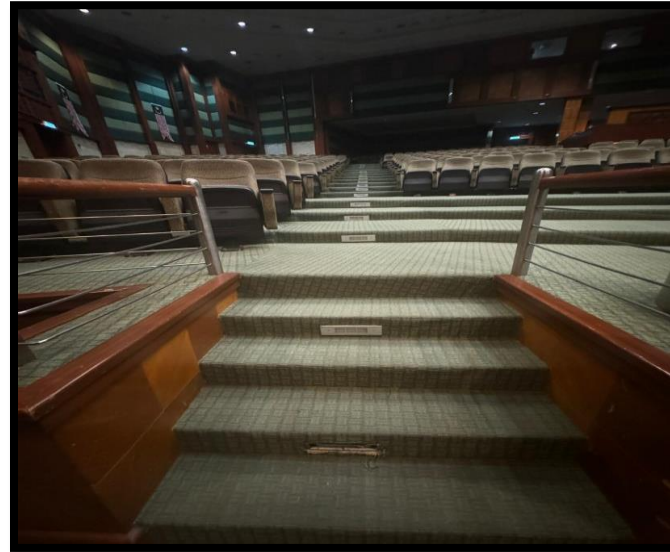
Gambar-gambar lokasi yang terlibat :



STAGE LIGHT DI DALAM DEWAN

SKOP TEKNIKAL & SPESIFIKASI (samb.)

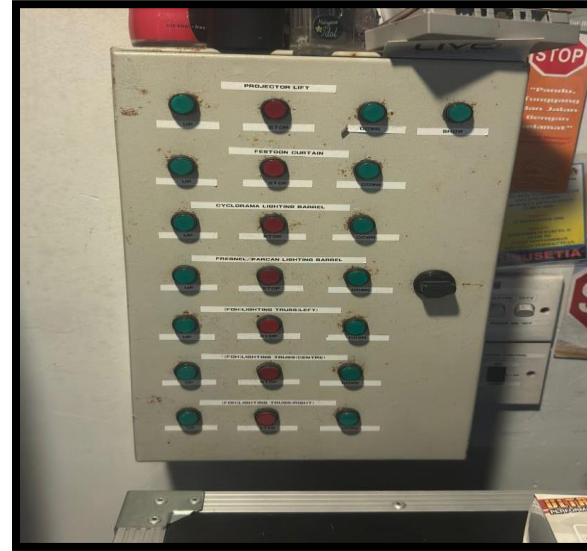
Gambar-gambar lokasi yang terlibat :



STEP LIGHT DI DALAM DEWAN

SKOP TEKNIKAL & SPESIFIKASI (samb.)

Gambar-gambar lokasi yang terlibat :



FOLLOW LIGHT DAN PANEL CONTROL

SKOP TEKNIKAL & SPESIFIKASI (samb.)

Gambar-gambar lokasi yang terlibat :



LAMPU DOWNLIGHT ARAS 5

SKOP TEKNIKAL & SPESIFIKASI (samb.)

Gambar-gambar lokasi yang terlibat :



LAMPU DOWNLIGHT ARAS 4

Terima kasih

JIKA TERDAPAT SEBARANG PERTANYAAN,
SILA HUBUNGI KAMI DI

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