

## MAKLUMAT SPESIFIKASI KERJA (SKOP TERPERINCI)

Tajuk Projek : Cadangan Naiktaraf Dewan Kuliah 1 Dan Dewan Kuliah 2 Serta 3 Unit Ruang Parkir Berbumbung DI MASMED, UiTM Shah Alam, Selangor Darul Ehsan.

Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural  
2A-DEMOLITION & MAKE GOOD WORKS / 2B-NEW WORKS

BIL	KETERANGAN	UNIT	HARGA (RM)
	BILL NO.2 : CIVIL WORKS		
	DEMOLITION & MAKING GOOD WORKS		
	NOTE :		
	The Contractor shall be held to have visited the site, inspected the existing premises and ascertained to exact nature of the demolition to be carried out. Any quantities stated in this bill, shall be taken as a guide only and it is the Contractor's responsibility to determine for himself all the works involve. No claims for extra payment in this respect will be entertained.		
	Before commencing any demolition works, the Contractor shall ascertain the existence and position of water and other services from the relevant authorities and arrange for the diversion for termination of the services. The Contractor shall allow for paying all costs and charges in connection therewith and to pay all claims for any damage caused to existing services.		
	The Contractor shall also submit the work statement on the method of conducting demolition works to the full satisfaction of the S.O before commencing any works.		
	The Contractor shall allow for protection and support of all works which may be affected by the demolition works and subsequent reconstruction.		
	Demolition work generally shall be carried out in such manner that there will be a minimum of inconvenience to adjoining owners, the public and existing occupants. The safety of the adjoining buildings and the public shall be a paramount importance during the execution of the demolition work and all necessary precaution shall be taken. The Contractor will be held responsible and is to indemnify the building owner for any claim or series of claims which may arise out of the demolition work.		
	All materials arising out of demolition and alteration are to become the property of the Contractor and to be removed from the buildings and cleared away from the site as directed by the S.O.		
	The prices for demolition work are to include for providing, erecting and removing on complete to the satisfaction of the S.O all necessary shoring, needling, and strutting, watering plaster work and rubbish to Isy the dust, providing dust sheet, tarpaulins, temporary roof covering, water, chutes, screens and other protection necessary to safeguard the existing and adjoining works, clearing away all rubbish and make good all work disturbed.		
	The prices are to include for the use of all necessary scaffolding, ladders, trestles, etc. that may be necessary and for the works and removal of same on completion.		
2A	DEMOLITION & MAKE GOOD WORKS		
1	DEMOLITION WORKS		
1.1	Dewan Kuliah 1		

## MAKLUMAT SPESIFIKASI KERJA (SKOP TERPERINCI)

Tajuk Projek : Cadangan Naiktaraf Dewan Kuliah 1 Dan Dewan Kuliah 2 Serta 3 Unit Ruang Parkir Berbumbung DI MASMED, UiTM Shah Alam, Selangor Darul Ehsan.

Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural  
2A-DEMOLITION & MAKE GOOD WORKS / 2B-NEW WORKS

BIL	KETERANGAN	UNIT	HARGA (RM)
1.1.1	To demolish and remove existing floor tiles & all accessories including other associated works, clean and make good to S.O's satisfaction to receive new works and remove debris away from site as directed by the S.O to contractor's own dump. Refer to drawing.	LS	
1.1.2	To dismantle and remove existing acoustic fabric panel & all accessories including other associated works, clean and make good to S.O's satisfaction to receive new works and remove debris away from site as directed by the S.O to contractor's own dump. Refer to drawing.	LS	
1.1.3	To dismantle and remove existing door & all accessories including other associated works, clean and make good to S.O's satisfaction to receive new works and remove debris away from site as directed by the S.O to contractor's own dump. Refer to drawing.	LS	
1.1.4	To dismantle and remove existing cabinet & all accessories including other associated works, clean and make good to S.O's satisfaction to receive new works and remove debris away from site as directed by the S.O to contractor's own dump. Refer to drawing.	LS	
1.1.5	To dismantle and remove existing auditorium chair with table & all accessories including other associated works, clean and make good to S.O's satisfaction to receive new works and remove debris away from site as directed by the S.O to contractor's own dump. Refer to drawing.	LS	
1.2	Dewan Kuliah 2		
1.2.1	To demolish and remove existing floor tiles & all accessories including other associated works, clean and make good to S.O's satisfaction to receive new works and remove debris away from site as directed by the S.O to contractor's own dump. Refer to drawing.	LS	
1.2.2	To dismantle and remove existing acoustic fabric panel & all accessories including other associated works, clean and make good to S.O's satisfaction to receive new works and remove debris away from site as directed by the S.O to contractor's own dump. Refer to drawing.	LS	
1.2.3	To dismantle and remove existing door & all accessories including other associated works, clean and make good to S.O's satisfaction to receive new works and remove debris away from site as directed by the S.O to contractor's own dump. Refer to drawing.	LS	
1.2.4	To dismantle and remove existing cabinet & all accessories including other associated works, clean and make good to S.O's satisfaction to receive new works and remove debris away from site as directed by the S.O to contractor's own dump. Refer to drawing.	LS	

## MAKLUMAT SPESIFIKASI KERJA (SKOP TERPERINCI)

Tajuk Projek : Cadangan Naiktaraf Dewan Kuliah 1 Dan Dewan Kuliah 2 Serta 3 Unit Ruang Parkir Berbumbung DI MASMED, UiTM Shah Alam, Selangor Darul Ehsan.

Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural  
2A-DEMOLITION & MAKE GOOD WORKS / 2B-NEW WORKS

BIL	KETERANGAN	UNIT	HARGA (RM)
1.2.5	To dismantle and remove existing chair & all accessories including other associated works, clean and make good to S.O's satisfaction to receive new works and remove debris away from site as directed by the S.O to contractor's own dump. Refer to drawing.	LS	
1.3	Control Room		
1.3.1	To demolish and remove existing floor tiles & all accessories including other associated works, clean and make good to S.O's satisfaction to receive new works and remove debris away from site as directed by the S.O to contractor's own dump. Refer to drawing.	LS	
1.3.2	To dismantle and remove existing door & all accessories including other associated works, clean and make good to S.O's satisfaction to receive new works and remove debris away from site as directed by the S.O to contractor's own dump. Refer to drawing.	LS	
2	MAKE GOOD		
2.1	Dewan Kuliah 1		
2.1.1	All Existing internal wall (affected area) to be make good, scrapper, scheme, and paint with 2 layer under coat & selected interior paint to manuf's detail & arch's approval. Refer to drawing.	LS	
2.1.2	All Existing external wall (affected area) to be make good, scrapper, scheme, and paint with 2 layer under coat & selected exterior paint to manuf's detail & arch's approval. Refer to drawing.	LS	
2.1.3	Existing acoustic ceiling panel to be remained, clean,make good, broken & damage to be replace new follow existing acoustic ceiling type S.O approval. Refer to drawing.	LS	
2.1.4	Existing door grill to be remained, clean,make good and repaint with anti-rust & metal paint to S.O approval. Refer to drawing.	LS	
2.1.5	Existing window to be remained, clean,make good, clean, broken rubber sealing strip, lockset to replace new to S.O approval. Refer to drawing.	LS	
2.1.6	Existing window grill to be remained, clean,make good and repaint with anti-rust & metal paint to S.O approval. Refer to drawing.	LS	
2.2	Dewan Kuliah 2		
2.2.1	Existing internal wall (affected area) to be make good, scrapper, scheme, and paint with 2 layer under coat & selected interior paint to manuf's detail & arch's approval. Refer to drawing.	LS	
2.2.2	Existing external wall (affected area) to be make good, scrapper, scheme, and paint with 2 layer under coat & selected exterior paint to manuf's detail & arch's approval. Refer to drawing.	LS	

## MAKLUMAT SPESIFIKASI KERJA (SKOP TERPERINCI)

Tajuk Projek : Cadangan Naiktaraf Dewan Kuliah 1 Dan Dewan Kuliah 2 Serta 3 Unit Ruang Parkir Berbumbung DI MASMED, UiTM Shah Alam, Selangor Darul Ehsan.

Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural  
2A-DEMOLITION & MAKE GOOD WORKS / 2B-NEW WORKS

BIL	KETERANGAN	UNIT	HARGA (RM)
2.2.3	Existing acoustic ceiling panel to be remained, clean,make good, broken & damage to be replace new follow existing acoustic ceiling type S.O approval. Refer to drawing.	LS	
2.2.4	Existing door grill to be remained, clean,make good and repaint with anti-rust & metal paint to S.O approval. Refer to drawing.	LS	
2.2.5	Existing window to be remained, clean,make good, clean, broken rubber sealing strip, lockset to replace new to S.O approval. Refer to drawing.	LS	
2.2.6	Existing window grill to be remained, clean,make good and repaint with anti-rust & metal paint to S.O approval. Refer to drawing.	LS	
2.3	Control Room		
2.3.1	Existing internal wall (affected area) to be make good, scrapper, scheme, and paint with 2 layer under coat & selected interior paint to manuf's detail & arch's approval. Refer to drawing.	LS	
2.4	Presentation Area		
2.4.1	Wall surface to be make good, scrapper, scheme, paint with 2 layer under coat & to be painted with writeable & magnetic paint with commercial-grade performance, any high quality dry erase marker brand can be used, low odor, low voc (vola tile organic compounds) c/w all accessories & waranty to manuf's detail & S.O approval. (4000mm(w) x 1800mm(h) surface size to be painted). Refer to drawing.	LS	
2.4.2	Existing electrical motorized projector screen to be relocate to S.O approval.	LS	
2.5	External Works		
2.5.1	Existing kerb to be remained, clean, and make good as directed by the S.O approval. Refer to drawing.	LS	
3	OTHERS		
	Any other works which are not mentioned above but necessary for completion and S.O. approval (tenderer must state below)		
	i)	LS	
	ii)	LS	
	iii)	LS	
2B	NEW WORKS		
	(These works include supplying, installing, constructing and relating to the work completed perfectly in accordance with the specifications and drawings. All examples and colors of materials must be approved by the S.O. The contractor MUST submit the catalogue for the selection, together with the drawings and specifications provided)		
1	Dewan Kuliah 1		

## MAKLUMAT SPESIFIKASI KERJA (SKOP TERPERINCI)

Tajuk Projek : Cadangan Naiktaraf Dewan Kuliah 1 Dan Dewan Kuliah 2 Serta 3 Unit Ruang Parkir Berbumbung DI MASMED, UiTM Shah Alam, Selangor Darul Ehsan.

Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural  
2A-DEMOLITION & MAKE GOOD WORKS / 2B-NEW WORKS

BIL	KETERANGAN	UNIT	HARGA (RM)
1.1	acoustic panel		
1.1.1	Supply and install perforated timber-effect melamine laminate & water resistant mineral hardboard with varies thickness mineral wool of 80kg/m <sup>3</sup> & other accessories fittings (standard panel size : 550mm x 1000mm x 1100mm) to manuf's detail & arch's approval. Refer to drawing.	LS	
1.1.2	Supply and install fabric padded panel & water resistant mineral hardboard with varies thickness mineral wool of 80kg/m <sup>3</sup> & other accessories fittings (panel size : 600mm x 1200mm) to manuf's detail & arch's approval. Refer to drawing.	LS	
1.2	floor finished		
1.2.1	Supply and install new selected 600mm x 600mm heavy duty floor tiles with 100mm (h) skirting c/w all accessories to manuf's detail : selection & colour combination to S.O approval. Refer to drawing.	LS	
1.2.2	Supply and install new selected 600mm x 300mm heavy duty floor tiles with 100mm (h) skirting & stairs nosing tiles at edge c/w all accessories to manuf's detail : selection & colour combination to S.O approval. Refer to drawing.	LS	
1.2.3	Supply and install new selected vinyl flooring (heavy duty, range size 1200mm/1230mm x 150mm/230mm x 3mm(thk) timber effect c/w all accessories to manuf's detail & S.O approval. Refer to drawing.	LS	
1.3	Door		
1.3.1	Supply & install new (D1) 2150mm x 1300mm metal frame double leaf 1 hour fire rated door with vision panel finised with laminted (selected by architect) c/w all accessories to manuf's detail & arch's approval. Refer to drawing detail.	LS	
1.3.2	Supply & install new (D2) 2150mm x 1500mm metal frame double leaf 1 hour fire rated door with vision panel finised with laminted (selected by architect) c/w all accessories to manuf's detail & arch's approval. Refer to drawing detail.	LS	
1.4	Audotorium Chair		
1.4.1	Supply & install new audotorium chair (Type A) with table & all accessories to manuf's detail (selection colour, type to S.O approval). Refer to drawing detail.	LS	
1.4.2	Supply & install new audotorium chair (Type B) with table & all accessories to manuf's detail (selection colour, type to S.O approval). Refer to drawing detail.	LS	
2	Dewan Kuliah 2		
2.1	acoustic panel		
2.1.1	Supply and install perforated timber-effect melamine laminate & water resistant mineral hardboard with varies thickness mineral wool of 80kg/m <sup>3</sup> & other accessories fittings (standard panel size : 550mm x 1000mm x 1100mm) to manuf's detail & arch's approval. Refer to drawing.	LS	

## MAKLUMAT SPESIFIKASI KERJA (SKOP TERPERINCI)

Tajuk Projek : Cadangan Naiktaraf Dewan Kuliah 1 Dan Dewan Kuliah 2 Serta 3 Unit Ruang Parkir Berbumbung DI MASMED, UiTM Shah Alam, Selangor Darul Ehsan.

Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural  
2A-DEMOLITION & MAKE GOOD WORKS / 2B-NEW WORKS

BIL	KETERANGAN	UNIT	HARGA (RM)
2.1.2	Supply and install fabric padded panel & water resistant mineral hardboard with varies thickness mineral wool of 80kg/m <sup>3</sup> & other accessories fittings (panel size : 600mm x 1200mm) to manuf's detail & arch's approval. Refer to drawing.	LS	
2.2	floor finished		
2.2.1	Supply and install new selected 600mm x 600mm heavy duty floor tiles with 100mm (h) skirting c/w all accessories to manuf's detail : selection & colour combination to S.O approval. Refer to drawing.	LS	
2.2.2	Supply and install new selected 600mm x 300mm heavy duty floor tiles with 100mm (h) skirting & stairs nosing tiles at edge c/w all accessories to manuf's detail : selection & colour combination to S.O approval. Refer to drawing.	LS	
2.2.3	Supply and install new selected vinyl flooring (heavy duty, range size 1200mm/1230mm x 150mm/230mm x 3mm(thk) timber effect c/w all accessories to manuf's detail & S.O approval. Refer to drawing.	LS	
2.3	Door		
2.3.1	Supply & install new (D1) 2150mm x 1300mm metal frame double leaf 1 hour fire rated door with vision panel finised with laminted (selected by architect) c/w all accessories to manuf's detail & arch's approval. Refer to drawing detail.	LS	
2.3.2	Supply & install new (D2) 2150mm x 1500mm metal frame double leaf 1 hour fire rated door with vision panel finised with laminted (selected by architect) c/w all accessories to manuf's detail & arch's approval. Refer to drawing detail.	LS	
2.4	Audotorium Chair		
2.4.1	Supply & install new audotorium chair (Type A) with table & all accessories to manuf's detail (selection colour, type to S.O approval). Refer to drawing detail.	LS	
2.4.2	Supply & install new audotorium chair (Type B) with table & all accessories to manuf's detail (selection colour, type to S.O approval). Refer to drawing detail.	LS	
3	Control Room		
3.1	floor finished		
3.1.1	Supply and install new selected 600mm x 600mm heavy duty floor tiles with 100mm (h) skirting c/w all accessories to manuf's detail : selection & colour combination to S.O approval. Refer to drawing.	LS	
3.2	Door		
3.2.1	Supply & install new (D3) 2100mm x 900mm aluminium frame single leaf timber flush door finished with acoustic element c/w all accessories to manuf's detail & arch's approval. Refer to drawing detail.	LS	
4	Car Porch Canopy		

## MAKLUMAT SPESIFIKASI KERJA (SKOP TERPERINCI)

Tajuk Projek : Cadangan Naiktaraf Dewan Kuliah 1 Dan Dewan Kuliah 2 Serta 3 Unit Ruang Parkir Berbumbung DI MASMED, UiTM Shah Alam, Selangor Darul Ehsan.

Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural  
2A-DEMOLITION & MAKE GOOD WORKS / 2B-NEW WORKS

BIL	KETERANGAN	UNIT	HARGA (RM)
	NOTE:		
	Metal Deck canopy with complete structure design calculations with validation signed by Professional Engineers (PE) in accordance with the requirements of Local Authorities and Supretending Officer(S.O.). Construction works can be carried out upon obtaining the approval of Supretending Officer (S.O.). Contractor has to submit Design Guarantee Bond to UiTM before Certified Practical Completion been Issued. refer to drawing.		
4.1	RC Stump		
4.1.1	To construct 300mm x 300mm RC stump to engr's approval. Refer to drawing detail.	LS	
4.2	RHS column		
4.2.1	Supply and install new 150mm x 150mm x 4mm thick RHS including 300mm x 300mm x 12mm thick M.S base plate, 6mm thick fillet weld all around, 4 nos 10mm thick stiffener plate & 3mm thick M.S plat c/w all accessories to manuf's detail & engr's detail. Refer to drawing detail.	LS	
4.3	RHS rafter		
4.3.1	Supply and install new 75mm x 75mm x 3mm thick RHS including 3mm thick M.S plat c/w all accessories to manuf's detail & engr's detail. Refer to drawing detail.	LS	
4.4	RHS batten		
4.4.1	Supply and install new 50mm x 25mm x 2.5mm thick RHS c/w all accessories to manuf's detail & engr's detail. Refer to drawing detail.	LS	
4.5	RHS beam		
4.5.1	Supply and install new 75mm x 75mm x 3mm thick RHS c/w all accessories to manuf's detail & engr's detail. Refer to drawing detail.	LS	
4.6	Metal Deck Roofing		
4.6.1	Supply and install new 0.48mm thick metal deck roofing c/w all accessories to manuf's detail & S.O approval. Refer to drawing detail.	LS	
5	OTHERS		
	Any other works which are not mentioned above but necessary for completion and S.O. approval (tenderer must state below)		
	i)	LS	
	ii)	LS	
	iii)	LS	
JUMLAH (RM)			