

MAKLUMAT SPESIFIKASI KERJA (SKOP TERPERINCI)

Tajuk Projek : CADANGAN KERJA-KERJA NAIKTARAF TANDAS DI ARAS 2, 3, 4 & 5 BLOK A, KOMPLEKS ILHAM KOLEJ PENGAJIAN SENI KREATIF (KPSK), UNIVERSITI TEKNOLOGI MARA, SHAH ALAM, SELANGOR.

Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural

BIL	KETERANGAN	UNIT	HARGA (RM)
	DEMOLITION, DISMANTLING, CLEARANCE WORKS & 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 made 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.		
A)	TANDAS STAF LELAKI		
1	All existing floor and wall tiles to be hacked and removed including old mortar work until floor slabs; debris to be removed from site.		

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PENGAJIAN SENI KREATIF (KPSK), UNIVERSITI TEKNOLOGI MARA, SHAH ALAM, SELANGOR.

Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural

BIL	KETERANGAN	UNIT	HARGA (RM)
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
2	All internal brickwall partition (toilet cubicles) and concrete kerb to be demolished, debris to be removed from site.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
3	Top of concrete floor slabs to be chipped & relevelled accordingly to allow required finish gradient;		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
4	All existing suspended ceiling panels and system to be dismantled and removed from site		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
5	All existing toilet accessories (water closet,squatting pan,urinal etc) to be dismantled and removed from site		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
6	All exiting taps and pipes to remove until water tanks		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	

MAKLUMAT SPESIFIKASI KERJA (SKOP TERPERINCI)

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Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural

BIL	KETERANGAN	UNIT	HARGA (RM)
	d) ARAS 5	LS	
7	All waste pipes to remove until nearest manhole		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
B)	TANDAS STAF PEREMPUAN		
1	All existing floor and wall tiles to be hacked and removed including old mortar work until floor slabs; debris to be removed from site.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
2	All internal brickwall partition (toilet cubicles) and concrete kerb to be demolished, debris to be removed from site.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
3	Top of concrete floor slabs to be chipped & relevelled accordingly to allow required finish gradient;		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
4	All existing suspended ceiling panels and system to be dismantled and removed from site		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	

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Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural

BIL	KETERANGAN	UNIT	HARGA (RM)
5	All existing toilet accessories (water closet,squatting pan,urinal etc) to be dismantled and removed from site		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
6	All exiting taps and pipes to remove until water tanks		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
7	All waste pipes to remove until nearest manhole		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
C)	TANDAS PELAJAR		
1	All existing floor and wall tiles to be hacked and removed including old mortar work until floor slabs; debris to be removed from site.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
2	All internal brickwall partition (toilet cubicles) and concrete kerb to be demolished, debris to be removed from site.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
3	Top of concrete floor slabs to be chipped & relevelled accordingly to allow required finish gradient;		

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Tajuk Projek : CADANGAN KERJA-KERJA NAIKTARAF TANDAS DI ARAS 2, 3, 4 & 5 BLOK A, KOMPLEKS ILHAM KOLEJ
PENGAJIAN SENI KREATIF (KPSK), UNIVERSITI TEKNOLOGI MARA, SHAH ALAM, SELANGOR.

Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural

BIL	KETERANGAN	UNIT	HARGA (RM)
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
4	All existing suspended ceiling panels and system to be dismantled and removed from site		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
5	All existing toilet accessories (water closet,squatting pan,urinal etc) to be dismantled and removed from site		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
6	All exiting taps and pipes to remove until water tanks		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
7	All waste pipes to remove until nearest manhole		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
8	Any other works which are not mentioned in this schedule of works but are shown on drawings, specification or schedule of finishes :		
	i)	LS	
	ii)	LS	
	iii)	LS	

MAKLUMAT SPESIFIKASI KERJA (SKOP TERPERINCI)

Tajuk Projek : CADANGAN KERJA-KERJA NAIKTARAF TANDAS DI ARAS 2, 3, 4 & 5 BLOK A, KOMPLEKS ILHAM KOLEJ PENGAJIAN SENI KREATIF (KPSK), UNIVERSITI TEKNOLOGI MARA, SHAH ALAM, SELANGOR.

Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural

BIL	KETERANGAN	UNIT	HARGA (RM)
	No extra claim shall be entertained for failure by tenderer to comply with this requirement		
	NEW WORKS		
	(These works include supplying, installing, constructing and relating to the work completed perfectly in accordance with specifications and drawings. All examples and colours of materials must be approved by the S.O. The Contractor MUST submit the catalog for the selection, together with the drawings and specifications provided).		
A)	TANDAS STAF LELAKI		
	Floor Finish (F1)		
1	Supply and install selected 600mm x 300mm unglazed anti slip percelain tiles, selection & colour combination as per S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Wall Finish (W1)		
2	Supply and install selected 600mm x 300mm ceramic tiles up to ceiling height internally, selection & colour combination as per S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Ceiling Finish (C1)		
3	Supply and install selected 600mm x 600mm x 4.5mm thk white-painted calcium silicate ceiling panel c/w alumn, T-Grid Frame System incld. suspended supporting wire and all accessories to manuf's spec & detail and as per S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Brickwall		

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Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural

BIL	KETERANGAN	UNIT	HARGA (RM)
4	Supply and install Full Ht 114mm thk brickwall with 18mm cement plaster on both sides.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
5	Supply and install 2800mm high 114mm thk brickwall with 18mm cement plaster on both sides.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
6	Supply and install 2100mm high 114mm thk brickwall with 18mm cement plaster on both sides.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Kerb		
7	Supply and install 150mm (w) x 50mm (h) concrete kerb to finish with selected porcelain tiles (to match new floor tiles)		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
8	Supply and install 300mm (w) x 150mm (h) R.C concrete kerb in selected 600mm x 300mm unglazed anti slip orcelain tiles as per S.O approval		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Laminated Phenolic Board		

MAKLUMAT SPESIFIKASI KERJA (SKOP TERPERINCI)

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PENGAJIAN SENI KREATIF (KPSK), UNIVERSITI TEKNOLOGI MARA, SHAH ALAM, SELANGOR.

Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural

BIL	KETERANGAN	UNIT	HARGA (RM)
9	Supply and install 2100mm high 2mm thk High Pressure Compact Laminated Phenolic Board Toilet Cubicle c/w alumn skirting, heavy duty hinge & alumn. acces to anuf detail & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Waterproofing		
10	Supply and lay waterproofing at Dashed lines indicate 2100mm high as per manuf detail & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Waterproofing Membrane		
11	Supply and lay waterproofing at existing floor slab as per specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Vanity Top		
12	Supply and install 75mm thk R.C Vanity Top in Polished Porcelain Tiles Finish as per S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Storage Rack (BF1)		
13	Supply and install 2100mm high 2mm thk High Pressure Compact Laminated Phenolic Board storage rack to manuf detail & S.O approval.		
	a) ARAS 2	LS	

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Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural

BIL	KETERANGAN	UNIT	HARGA (RM)
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Grating		
14	Supply and install Customised Brushed Finish S/steel Grating to manuf detail & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Door (D1)		
15	Supply and install 900mm x 2100mm x 40mm selected thk waterproof laminated WPC (Wood Plastic Composite) door c/w with all accessories as per specification in door schedule.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Door (D2)		
16	Supply and install 7500mm x 2100mm x 40mm thk selected waterproof laminated WPC (Wood Plastic Composite) door c/w with all accessories as per specification in door schedule.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Door (D4)		
17	Supply and install 750mm x 1950mm x 10mm thk phenolic door in selected HPL finish c/w with all accessories as per specification in door schedule.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	

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Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural

BIL	KETERANGAN	UNIT	HARGA (RM)
	d) ARAS 5	LS	
	Window (W1)		
18	Supply and install 1700mm x 600mm x 6mm thk new alumn. framed top hung frosted glass window c/w with all accessories as per specification in window schedule.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Sanitary Fitting		
19	Supply and install 150mm x 150mm s/steel floor waste gate 7 drainer type floor trap (ft) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
20	Supply and install selected White Ceramic Close-Coupled Sitting WC (wc) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
21	Supply and install selected White Ceramic Squatting WC c/w single flush high tank (sqp) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
22	Supply and install selected White Ceramic Countertop Wash Basin (b1) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	

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Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural

BIL	KETERANGAN	UNIT	HARGA (RM)
	c) ARAS 4	LS	
	d) ARAS 5	LS	
23	Supply and install selected S/Steel Bidet Tap c/w flexible hose (t1) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
24	Supply and install selected S/Steel Rotatable Ablution Tap (t2) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
25	Supply and install selected S/Steel Basin Tap (t3) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
26	Supply and install selected S/Steel Shower Head with ABC Chrome Arm (sh) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
27	Supply and install selected Reflective Frameless Mirror (m) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	

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Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural

BIL	KETERANGAN	UNIT	HARGA (RM)
28	Any other works which are not mentioned in this schedule of works but are shown on drawings, specification or schedule of finishes :		
	i)	LS	
	ii)	LS	
	iii)	LS	
	No extra claim shall be entertained for failure by tenderer to comply with this requirement		
B)	TANDAS STAF PEREMPUAN		
	Floor Finish (F1)		
1	Supply and install selected 600mm x 300mm unglazed anti slip percelain tiles, selection & colour combination as per S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Wall Finish (W1)		
2	Supply and install selected 600mm x 300mm ceramic tiles up to ceiling height internally, selection & colour combination as per S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Ceiling Finish (C1)		
3	Supply and install selected 600mm x 600mm x 4.5mm thk white-painted calcium silicate ceiling panel c/w alumn, T-Grid Frame System incld. suspended supporting wire and all accessories to manuf's spec & detail and as per S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Brickwall		

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Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural

BIL	KETERANGAN	UNIT	HARGA (RM)
4	Supply and install Full Ht 114mm thk brickwall with 18mm cement plaster on both sides.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
5	Supply and install 2800mm high 114mm thk brickwall with 18mm cement plaster on both sides.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
6	Supply and install 2100mm high 114mm thk brickwall with 18mm cement plaster on both sides.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Kerb		
7	Supply and install 150mm (w) x 50mm (h) concrete kerb to finish with selected porcelain tiles (to match new floor tiles)		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
8	Supply and install 300mm (w) x 150mm (h) R.C concrete kerb in selected 600mm x 300mm unglazed anti slip orcelain tiles as per S.O approval		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Laminated Phenolic Board		

MAKLUMAT SPESIFIKASI KERJA (SKOP TERPERINCI)

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Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural

BIL	KETERANGAN	UNIT	HARGA (RM)
9	Supply and install 2100mm high 2mm thk High Pressure Compact Laminated Phenolic Board Toilet Cubicle c/w alumn skirting, heavy duty hinge & alumn. acces to anuf detail & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Waterproofing		
10	Supply and lay waterproofing at Dashed lines indicate 2100mm high as per manuf detail & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Waterproofing Membrane		
11	Supply and lay waterproofing at existing floor slab as per specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Vanity Top		
12	Supply and install 75mm thk R.C Vanity Top in Polished Porcelain Tiles Finish as per S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Storage Rack (BF1)		
13	Supply and install 2100mm high 2mm thk High Pressure Compact Laminated Phenolic Board storage rack to manuf detail & S.O approval.		
	a) ARAS 2	LS	

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Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural

BIL	KETERANGAN	UNIT	HARGA (RM)
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Grating		
14	Supply and install Customised Brushed Finish S/steel Grating to manuf detail & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Door (D1)		
15	Supply and install 900mm x 2100mm x 40mm selected thk waterproof laminated WPC (Wood Plastic Composite) door c/w with all accessories as per specification in door schedule.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Door (D2)		
16	Supply and install 7500mm x 2100mm x 40mm thk selected waterproof laminated WPC (Wood Plastic Composite) door c/w with all accessories as per specification in door schedule.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Door (D4)		
17	Supply and install 750mm x 1950mm x 10mm thk phenolic door in selected HPL finish c/w with all accessories as per specification in door schedule.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	

MAKLUMAT SPESIFIKASI KERJA (SKOP TERPERINCI)

Tajuk Projek : CADANGAN KERJA-KERJA NAIKTARAF TANDAS DI ARAS 2, 3, 4 & 5 BLOK A, KOMPLEKS ILHAM KOLEJ PENGAJIAN SENI KREATIF (KPSK), UNIVERSITI TEKNOLOGI MARA, SHAH ALAM, SELANGOR.

Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural

BIL	KETERANGAN	UNIT	HARGA (RM)
	d) ARAS 5	LS	
	Window (W1)		
18	Supply and install 1700mm x 600mm x 6mm thk new alumn. framed top hung frosted glass window c/w with all accessories as per specification in window schedule.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Sanitary Fitting		
19	Supply and install 150mm x 150mm s/steel floor waste gate 7 drainer type floor trap (ft) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
20	Supply and install selected White Ceramic Close-Coupled Sitting WC (wc) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
21	Supply and install selected White Ceramic Squatting WC c/w single flush high tank (sqp) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
22	Supply and install selected White Ceramic Countertop Wash Basin (b1) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	

MAKLUMAT SPESIFIKASI KERJA (SKOP TERPERINCI)

Tajuk Projek : CADANGAN KERJA-KERJA NAIKTARAF TANDAS DI ARAS 2, 3, 4 & 5 BLOK A, KOMPLEKS ILHAM KOLEJ PENGAJIAN SENI KREATIF (KPSK), UNIVERSITI TEKNOLOGI MARA, SHAH ALAM, SELANGOR.

Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural

BIL	KETERANGAN	UNIT	HARGA (RM)
	c) ARAS 4	LS	
	d) ARAS 5	LS	
23	Supply and install selected S/Steel Bidet Tap c/w flexible hose (t1) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
24	Supply and install selected S/Steel Rotatable Ablution Tap (t2) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
25	Supply and install selected S/Steel Basin Tap (t3) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
26	Supply and install selected S/Steel Shower Head with ABC Chrome Arm (sh) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
27	Supply and install selected Reflective Frameless Mirror (m) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	

MAKLUMAT SPESIFIKASI KERJA (SKOP TERPERINCI)

Tajuk Projek : CADANGAN KERJA-KERJA NAIKTARAF TANDAS DI ARAS 2, 3, 4 & 5 BLOK A, KOMPLEKS ILHAM KOLEJ PENGAJIAN SENI KREATIF (KPSK), UNIVERSITI TEKNOLOGI MARA, SHAH ALAM, SELANGOR.

Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural

BIL	KETERANGAN	UNIT	HARGA (RM)
28	Any other works which are not mentioned in this schedule of works but are shown on drawings, specification or schedule of finishes :		
	i)	LS	
	ii)	LS	
	iii)	LS	
	No extra claim shall be entertained for failure by tenderer to comply with this requirement		
C)	TANDAS PELAJAR		
	Floor Finish (F1)		
1	Supply and install selected 600mm x 300mm unglazed anti slip percelain tiles, selection & colour combination as per S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Wall Finish (W1)		
2	Supply and install selected 600mm x 300mm ceramic tiles up to ceiling height internally, selection & colour combination as per S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Wall Finish (W2)		
3	Plaster and paint; paint selection & colour combination as per S.O approval.		
	a) ARAS 3	LS	
	Ceiling Finish (C1)		
4	Supply and install selected 600mm x 600mm x 4.5mm thk white-painted calcium silicate ceiling panel c/w alumn, T-Grid Frame System incld. suspended supporting wire and all accessories to manuf's spec & detail and as per S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	

MAKLUMAT SPESIFIKASI KERJA (SKOP TERPERINCI)

Tajuk Projek : CADANGAN KERJA-KERJA NAIKTARAF TANDAS DI ARAS 2, 3, 4 & 5 BLOK A, KOMPLEKS ILHAM KOLEJ
PENGAJIAN SENI KREATIF (KPSK), UNIVERSITI TEKNOLOGI MARA, SHAH ALAM, SELANGOR.

Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitekural

BIL	KETERANGAN	UNIT	HARGA (RM)
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Skirting Finish (S1)		
5	Supply and install selected 600mm x 300mm ceramic tiles, selection & colour combination as per S.O approval.		
	a) ARAS 3	LS	
	Brickwall		
6	Supply and install Full Ht 114mm thk brickwall with 18mm cement plaster on both sides.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
7	Supply and install 2800mm high 114mm thk brickwall with 18mm cement plaster on both sides.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
8	Supply and install 2100mm high 114mm thk brickwall with 18mm cement plaster on both sides.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Kerb		
9	Supply and install 150mm (w) x 50mm (h) concrete kerb to finish with selected porcelain tiles (to match new floor tiles)		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	

MAKLUMAT SPESIFIKASI KERJA (SKOP TERPERINCI)

Tajuk Projek : CADANGAN KERJA-KERJA NAIKTARAF TANDAS DI ARAS 2, 3, 4 & 5 BLOK A, KOMPLEKS ILHAM KOLEJ
PENGAJIAN SENI KREATIF (KPSK), UNIVERSITI TEKNOLOGI MARA, SHAH ALAM, SELANGOR.

Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural

BIL	KETERANGAN	UNIT	HARGA (RM)
10	Supply and install 300mm (w) x 150mm (h) R.C concrete kerb in selected 600mm x 300mm unglazed anti slip orcelain tiles as per S.O approval		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Laminated Phenolic Board		
11	Supply and install 2100mm high 2mm thk High Pressure Compact Laminated Phenolic Board Toilet Cubicle c/w alumn skirting, heavy duty hinge & alumn. acces to anuf detail & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Waterproofing		
12	Supply and lay waterproofing at Dashed lines indicate 2100mm high as per manuf detail & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Waterproofing Membrane		
13	Supply and lay waterproofing at existing floor slab as per specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Vanity Top		
14	Supply and install 75mm thk R.C Vanity Top in Polished Porcelain Tiles Finish as per S.O approval.		
	a) ARAS 2	LS	

MAKLUMAT SPESIFIKASI KERJA (SKOP TERPERINCI)

Tajuk Projek : CADANGAN KERJA-KERJA NAIKTARAF TANDAS DI ARAS 2, 3, 4 & 5 BLOK A, KOMPLEKS ILHAM KOLEJ PENGAJIAN SENI KREATIF (KPSK), UNIVERSITI TEKNOLOGI MARA, SHAH ALAM, SELANGOR.

Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural

BIL	KETERANGAN	UNIT	HARGA (RM)
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Drywall Partition		
15	Supply and install full height 82mm thk drywall partition in 9mm thk fibre cement lining board c/w 64mm x 0.55mm BMT light gauge zincalume/galvanised steel frame and complete accessories.		
	a) ARAS 3	LS	
	Grating		
16	Supply and install Customised Brushed Finish S/steel Grating to manuf detail & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Door (D1)		
17	Supply and install 900mm x 2100mm x 40mm selected thk waterproof laminated WPC (Wood Plastic Composite) door c/w with all accessories as per specification in door schedule.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Door (D2)		
18	Supply and install 7500mm x 2100mm x 40mm thk selected waterproof laminated WPC (Wood Plastic Composite) door c/w with all accessories as per specification in door schedule.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Door (D3)		

MAKLUMAT SPESIFIKASI KERJA (SKOP TERPERINCI)

Tajuk Projek : CADANGAN KERJA-KERJA NAIKTARAF TANDAS DI ARAS 2, 3, 4 & 5 BLOK A, KOMPLEKS ILHAM KOLEJ
PENGAJIAN SENI KREATIF (KPSK), UNIVERSITI TEKNOLOGI MARA, SHAH ALAM, SELANGOR.

Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural

BIL	KETERANGAN	UNIT	HARGA (RM)
19	Supply and install 980mm x 2100mm x 50mm thk selected waterproof laminated WPC (Wood Plastic Composite) door c/w with all accessories as per specification in door schedule.		
	a) ARAS 3	LS	
	Door (D4)		
20	Supply and install 750mm x 1950mm x 10mm thk phenolic door in selected HPL finish c/w with all accessories as per specification in door schedule.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Window (W1)		
21	Supply and install 1700mm x 600mm x 6mm thk new alumn. framed top hung frosted glass window c/w with all accessories as per specification in window schedule.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Window (W2)		
22	Supply and install 2260mm x 600mm x 6mm thk new alumn. framed top hung frosted glass window c/w with all accessories as per specification in window schedule.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
	Sanitary Fitting		
23	Supply and install 150mm x 150mm s/steel floor waste gate 7 drainer type floor trap (ft) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	

MAKLUMAT SPESIFIKASI KERJA (SKOP TERPERINCI)

Tajuk Projek : CADANGAN KERJA-KERJA NAIKTARAF TANDAS DI ARAS 2, 3, 4 & 5 BLOK A, KOMPLEKS ILHAM KOLEJ PENGAJIAN SENI KREATIF (KPSK), UNIVERSITI TEKNOLOGI MARA, SHAH ALAM, SELANGOR.

Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural

BIL	KETERANGAN	UNIT	HARGA (RM)
	d) ARAS 5	LS	
24	Supply and install selected White Ceramic Close-Coupled Sitting WC (wc) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
25	Supply and install selected Disabled WC (wc1) to manuf's detail specification & S.O approval.		
	a) ARAS 3	LS	
26	Supply and install selected White Ceramic Squatting WC c/w single flush high tank (sqp) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
27	Supply and install selected White Ceramic Semi-Recessed Wash Basin (b2) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
28	Supply and install selected White Ceramic Wall Mounetd Wash Basin (b3) for disabled to manuf's detail specification & S.O approval.		
	a) ARAS 3	LS	
29	Supply and install selected S/Steel Bidet Tap c/w flexible hose (t1) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
30	Supply and install selected S/Steel Rotatable Ablution Tap (t2) to manuf's detail specification & S.O approval.		

MAKLUMAT SPESIFIKASI KERJA (SKOP TERPERINCI)

Tajuk Projek : CADANGAN KERJA-KERJA NAIKTARAF TANDAS DI ARAS 2, 3, 4 & 5 BLOK A, KOMPLEKS ILHAM KOLEJ PENGAJIAN SENI KREATIF (KPSK), UNIVERSITI TEKNOLOGI MARA, SHAH ALAM, SELANGOR.

Keterangan : 2.1 - Kerja-Kerja Awam dan Arkitektural

BIL	KETERANGAN	UNIT	HARGA (RM)
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
31	Supply and install selected S/Steel Basin Tap (t3) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
32	Supply and install selected Reflective Frameless Mirror (m) to manuf's detail specification & S.O approval.		
	a) ARAS 2	LS	
	b) ARAS 3	LS	
	c) ARAS 4	LS	
	d) ARAS 5	LS	
33	Supply and install selected Cavity Wall System for clear door opening in proprietary factory prefabricated corrugated aluminium-zinc steel casing c/w surface stapled wiremesh to manuf's detail, shop drawing to Arch's approval.		
	a) ARAS 3	LS	
34	Any other works which are not mentioned in this schedule of works but are shown on drawings, specification or schedule of finishes :		
	i)	LS	
	ii)	LS	
	iii)	LS	
	No extra claim shall be entertained for failure by tenderer to comply with this requirement		
JUMLAH (RM)			