

**CADANGAN KERJA-KERJA MENAIKTARAF KABEL 11KV SEDIA ADA JUGA
SAMBUNGAN BEKALAN KE PUSAT KONVENSYEN DAN KEBUDAYAAN UNTUK ,
UNIVERSITI TEKNOLOGI MARA (UiTM) MALAYSIA, SHAH ALAM, SELANGOR
DARUL EHSAN**

Pemilik

UNIVERSITI TEKNOLOGI MARA (UiTM)



NO. KONTRAK : UiTM/PEMB/T/8/09

Jurutera Perunding



**PERUNDING JURUWAS SDN. BHD.
22-A, 1st Floor, Jalan SS6/8, Kelana Jaya, 47301 Petaling Jaya,
Selangor Darul Ehsan**

Kontraktor



**PTIS ENGINEERING SDN BHD
NO. 3A, Jalan Kelumpang Satu 27/41A, Seksyen 27, Taman Bunga Negara
40400 Shah Alam, Selangor Darul Ehsan**

LAPORAN KEMAJUAN KERJA

NO. 03

MEI 2010

30hb April hingga 14hb Mei 2010

No. Rujukan : PJ 12/MPR/UiTM/03-10

PENGESAHAN LAPORAN

Adalah dengan ini saya mengesahkan bahawa segala butir-butir yang terkandung dalam laporan ini adalah benar.

Pegawai pengesahan:

Wakil Pegawai Penguasa

Wakil Pihak Perunding

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(Cop)

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(Cop)

Wakil Pihak Kontraktor

.....
(Cop)

ISI KANDUNGAN

Bil.	Kandungan	Muka surat
0	Pengesahan Laporan	2
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1.0 MAKLUMAT PROJEK

Tajuk	Cadangan Kerja – kerja Menaiktaraf kabel 11kV Pencawang Sedia ada dan juga sambungan bekalan ke pusat konvensyen dan kebudayaan untuk Universiti Teknologi Mara (UiTM) Malaysia, Shah Alam, Selangor Darul Ehsan
Pemilik	Universiti Teknologi Mara (UiTM) Malaysia 40450 Shah Alam Selangor Darul Ehsan
Kontraktor	PTIS Engineering Sdn Bhd
No. Kontrak	UiTM/PEMB/T/8/09
Harga Kontrak	RM 8,724,055.00
Kerja Tambahan	-
Tarikh Penerimaan Surat	12hb Mac 2010
Tarikh Mula Kerja	15hb Mac 2010
Tarikh Siap Mengikut Kontrak	1 hb Ogos 2010
Tempoh Kontrak	20 minggu
Denda Kelewatan	RM 2,390/hari
Tempoh Tanggungan Kecacatan	12 bulan

2.0 LAPORAN KESELURUHAN

Laporan mengikut Jadual Program Kerja :

Kemajuan Keseluruhan Mengikut Jadual	40.97%
Kemajuan Keseluruhan Sebenar	39.58%

*Lewat (-) / Cepat (+) : - 1 hari

Laporan mengikut Kewangan :

Kemajuan Keseluruhan Mengikut Jadual	19.88%
Kemajuan Keseluruhan Sebenar	8.44%

2.1 Laporan *Weightage*

Laporan *Weightage* terperinci adalah seperti di Lampiran A.

2.2 Laporan 'S' Curve

Laporan '*S' Curve*' terperinci adalah seperti di Lampiran B.

2.3 Jadual Program Kerja

Laporan Jadual Program Kerja terperinci adalah seperti di Lampiran C.

2.4 Carta Organisasi

Carta Organisasi syarikat adalah seperti di Lampiran D.

3.0 PERKARA YANG MEMERLUKAN PERHATIAN

Bil	Huraian
1.	Istiadat Konvokesyen UiTM akan diadakan pada 20hb Mei 2010.

4.0 KERJA-KERJA PERSEDIAAN

- Surat Setuju Terima Tawaran – Telah ditandatangani dan dikembalikan pada 11hb Mac 2010.
- Erection All Risk / Public Liability – Dimajukan pada 16hb Mac 2010.
- Workman Compensation – Dimajukan pada 16hb Mac 2010.
- Surat Permohonan Wang Tahanan sebagai Bon Perlaksanaan – Dimajukan pada 16hb Mac 2010.
- No Pendaftaran Untuk Akta Keselamatan Sosial Pekerja 1969 (PERKESO) – Dimajukan pada 16hb Mac 2010.

5.0 KEJURUTERAAN

Lukisan – lukisan yang telah dimajukan kepada pihak perunding untuk kelulusan adalah seperti di Lampiran E.

6.0 PEMBELIAN DAN PEROLEHAN

6.1 Senarai Pembelian dan Perolehan

Bil.	Perkara	Pembekal	Penghantaran	Status
1.	11kV Power Cable	Central Cable	-	Telah ditempah
2.	HDPE Pipe	Dinar Plastic Industry	6hb Mei 2010	
3.	Cable route Marker			

6.2 Program Uji-Saksi Alatan

Bil.	Alat	Pembekal	Negara Tempat Ujian	Tarikh Ujian
1.	11kV Power Cable	Central Cable	Malaysia	17hb Mei 2010

7.0 LAPORAN KEMAJUAN KERJA

7.1 Kerja – Kerja Permulaan

Kerja – kerja yang telah dijalankan (30/04/10 – 14/05/10) :

Tiada.

Kerja – kerja yang akan dijalankan (15/05/10 – 29/05/10) :

Tiada.

7.2 Kerja – kerja Elektrik

Kerja – kerja yang telah dijalankan (30/04/10 – 14/05/10) :

- i) Excavation & Laying HDPE Pipe sedang dijalankan untuk laluan :
 - a. P/E STP to P/E Pusat Konvesyen
 - b. P/E STP to P/E FSPU Lama
 - c. P/E Pusat Konvesyen to P/E Kolej Kenanga

Kerja – kerja yang akan dijalankan (15/05/10 – 29/05/10) :

- i) Excavation & Laying HDPE Pipe akan dijalankan untuk laluan :
 - a. P/E STP to P/E FSPU Lama
 - b. P/E Pusat Konvesyen to P/E Kolej Kenanga
 - c. P/E FPP Lama to P/E FPP Baru
 - d. P/E FPP Baru to P/E FSPU Lama

7.3 Senarai Peralatan Kerja dan Mesin di Tapak

Senarai Peralatan Kerja dan Mesin serta Taburan Kajian Cuaca terperinci adalah seperti di Lampiran F.

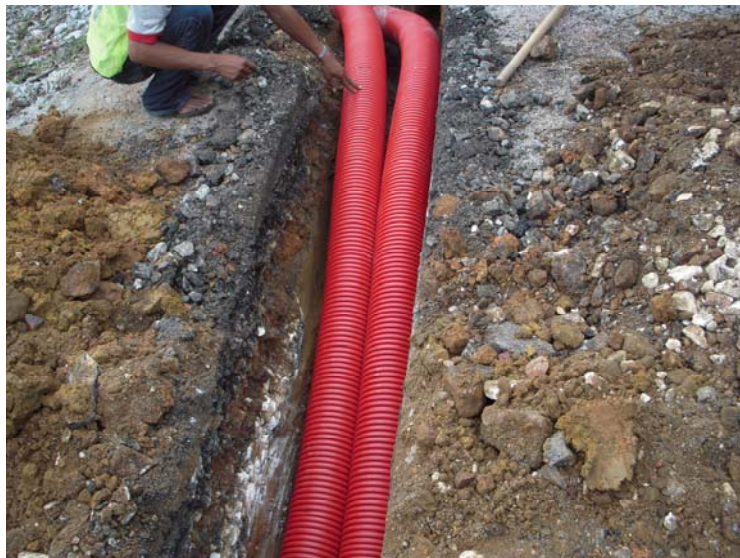
8.0 BAYARAN KEMAJUAN KERJA

Bil.	Perkara	Jumlah Tuntutan	Jumlah Tuntutan Dibayar	Tarikh Terima
1.				
2.				
3.				
	TOTAL			

9.0 Gambar Kemajuan



150mm dia HDPE Paip sedia untuk ditanam



Kerja – kerja menanam 150mm dia HDPE Paip



Kerja – kerja mengkambus semula 150mm dia HDPE Paip



Kerja – kerja meratakan kawasan parit dan sedia untuk diturap



Kerja – kerja menurap jalan Saujana ½



Kerja – kerja menurap jalan dari Pusat Konvesyen ke PE Tangki Penapis

LAMPIRAN A

**Weightage Kemajuan Kerja
(sehingga 14hb Mei 2010)**

Based on Weightage

TOTAL PLANNED : 38.38

TOTAL ACTUAL : 37.37

Based on Percentage

TOTAL PLANNED : 40.97 %

TOTAL ACTUAL : 39.58 %

<u>Preliminaries</u>					%		
Description	Duration (Days)	Weightage	Planned	Actual	Percentage	Planned	Actual
1. Preliminaries	24	5.00	5.00	5.00	8.33	8.33	8.33
	24	5	5.00	5.00	8.33	8.33	8.33

<u>Engineering</u>					%		
Description	Duration (Days)	Weightage	Planned	Actual	Percentage	Planned	Actual
1. Civil & Electrical	38	15	15.00	15.00	13.19	13.19	13.19
	38	15	15.00	15.00	13.19	13.19	13.19

<u>Procurement</u>					%		
Description	Duration (Days)	Weightage	Planned	Actual	Percentage	Planned	Actual
1. Manufacturing & Delivery	62	20	14.84	10.65	21.53	15.97	11.46
	62	20	14.84	10.65	21.53	15.97	11.46

<u>Installation / Erection</u>					%		
Description	Duration (Days)	Weightage	Planned	Actual	Percentage	Planned	Actual
1. Electrical Works	113	40.00	3.54	6.73	39.24	3.47	6.60
	113	40	3.54	6.73	39.24	3.47	6.60

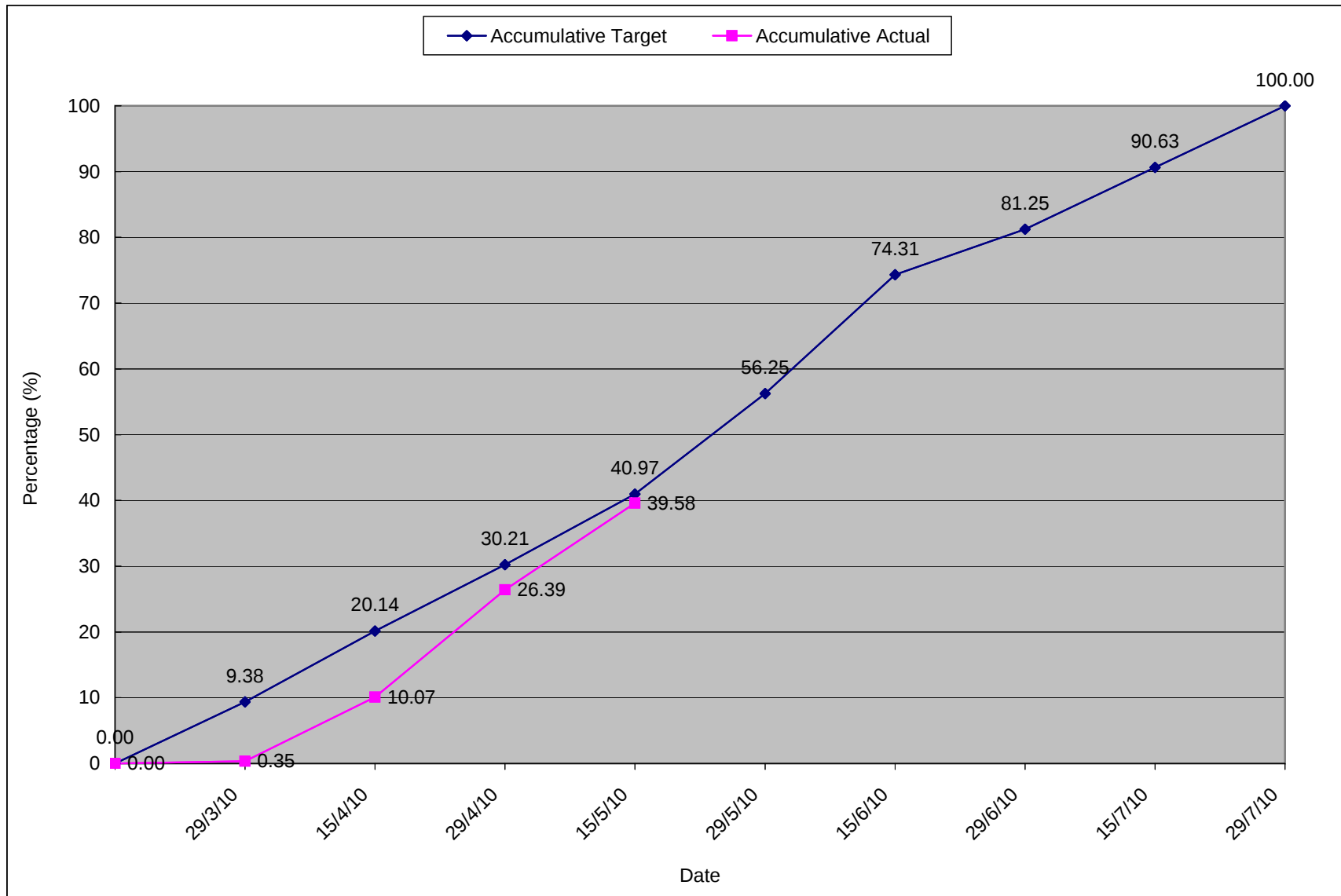
<u>Shutdown & Termination</u>					%		
Description	Duration (Days)	Weightage	Planned	Actual	Percentage	Planned	Actual
1. Shutdown & Termination	40	10.00	1.50	0.50	13.89	0.00	0.00
	40	10	1.50	0.50	13.89	0.00	0.00

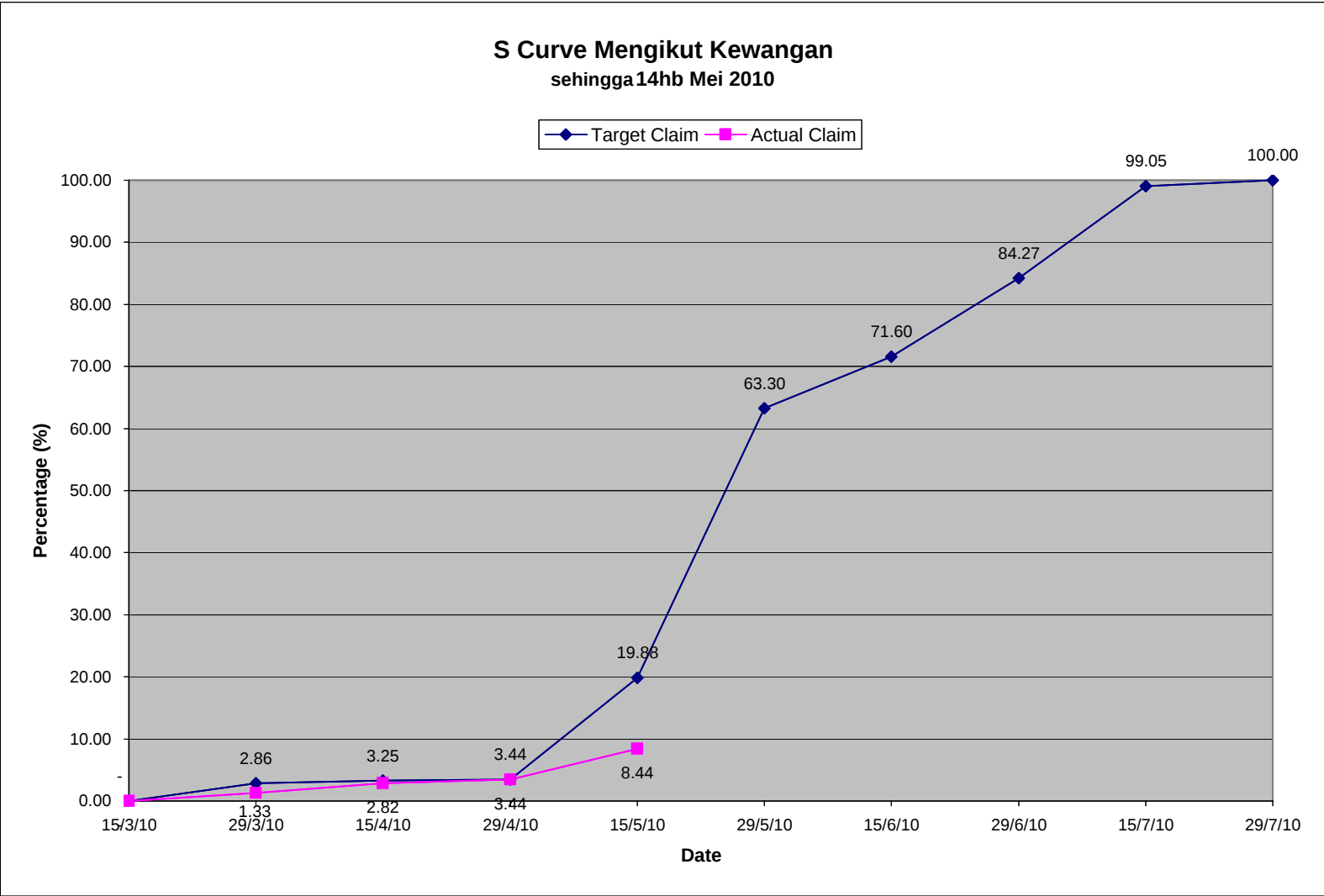
<u>Testing / Commissioning</u>					%		
Description	Duration (Days)	Weightage	Planned	Actual	Percentage	Planned	Actual
1. Testing & Commissioning	11	10	0.00	0.00	3.82	0.00	0.00
	11	10	0.00	0.00	3.82	0.00	0.00

LAMPIRAN B

S Curve Kemajuan Kerja

(sehingga 14hb Mei 2010)





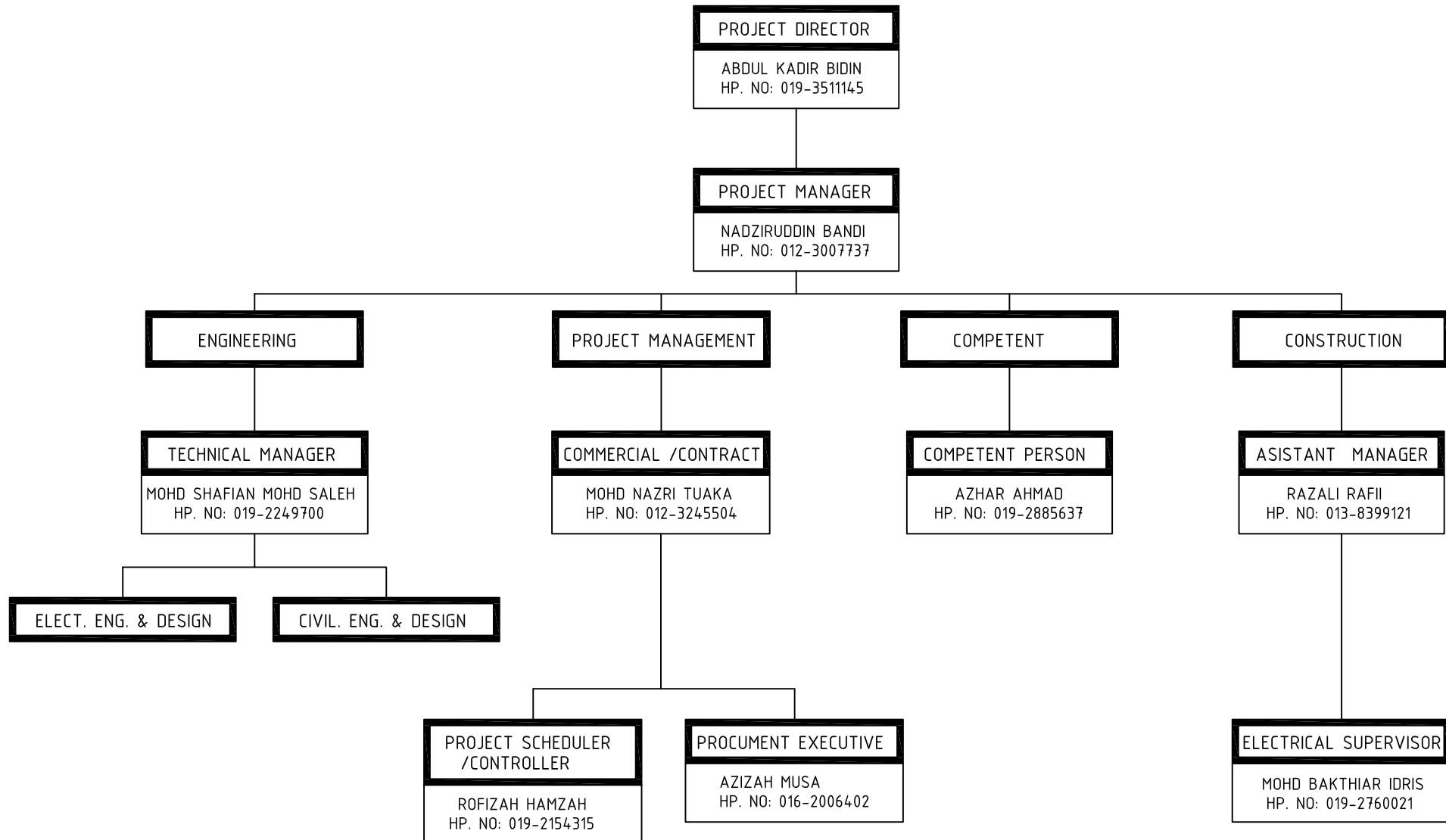
	15/3/10	29/3/10	15/4/10	29/4/10	15/5/10	29/5/10	15/6/10	29/6/10	15/7/10	29/7/10
Accumulative Target Claim	0.00	152,571.00	173,490.00	183,500.00	1,059,674.00	3,374,623.75	3,816,953.75	4,492,556.25	5,280,355.00	5,331,105.00
Accumulative Actual Claim	0.00	71,000.00	150,200.00	183,400.00	450,038.00	-	-	-	-	-

LAMPIRAN C

CADANGAN KERJA-KERJA MENAIK TARAF KABEL 11KV PENCAWANG SEDIAADA DAN JUGA SAMBUNGAN BEKALAN KE PUSAT KONVESYEN DAN BUDAYAAN UNTUK UNIVERSITI TEKNOLOGI MARA, SHAH ALAM, SELANGOR DARUL EHSAN																															
ID	Task Name	Duration	Start	Finish	% Work Complete	March 2010				April 2010				May 2010				June 2010				July 2010				August 2010					
						3/8	3/15	3/22	3/29	4/5	4/12	4/19	4/26	5/3	5/10	5/17	5/24	5/31	6/7	6/14	6/21	6/28	7/5	7/12	7/19	7/26	8/2	8/9	8/16	8/23	
1	✓ Preliminaries	16 days	Mon 3/15/10	Mon 4/5/10	100%																										
2	✓ Site Possession	1 day	Mon 3/15/10	Mon 3/15/10	100%																										
3	✓ Insurance	8 days	Tue 3/16/10	Thu 3/25/10	100%																										
4	✓ Performance Bond	8 days	Tue 3/16/10	Thu 3/25/10	100%																										
5	✓ Ulility Mapping & Survey Works	7 days	Fri 3/26/10	Mon 4/5/10	100%																										
6	✓ Engineering Works	20 days	Fri 3/26/10	Thu 4/22/10	100%																										
7	✓ 11kV U/G Cable	7 days	Fri 3/26/10	Mon 4/5/10	100%																										
8	✓ Cable Route Layout	9 days	Thu 4/1/10	Tue 4/13/10	100%																										
9	✓ Cable Termination Kits	7 days	Thu 4/1/10	Fri 4/9/10	100%																										
10	✓ Cable Marker	5 days	Thu 4/1/10	Wed 4/7/10	100%																										
11	✓ HDPE Pipe	5 days	Thu 4/1/10	Wed 4/7/10	100%																										
12	✓ Site Office Establishment	5 days	Fri 4/16/10	Thu 4/22/10	100%																										
13	Procurement, Manufacturing & Delivery	60 days	Fri 4/9/10	Fri 6/18/10	25%																										
14	11kV, 3Cx300sqmm Cu. U/G Cable	53 days	Tue 4/20/10	Fri 6/18/10	41%																										
15	Manufacturing	20 days	Tue 4/20/10	Sat 5/15/10	90%																										
16	Factory Acceptance Test	1 day	Sun 5/16/10	Sun 5/16/10	0%																										
17	Delivery-1	1 day	Mon 5/17/10	Mon 5/17/10	0%																										
18	Delivery-2	3 days	Wed 6/16/10	Fri 6/18/10	0%																										
19	11kV Termination Kits	23 days	Mon 4/12/10	Wed 5/12/10	14%																										
20	Manufacturing	21 days	Mon 4/12/10	Mon 5/10/10	15%																										
21	Delivery	2 days	Tue 5/11/10	Wed 5/12/10	0%																										
22	HDPE Pipe	14 days	Fri 4/9/10	Wed 4/28/10	66%																										
23	Manufacturing	12 days	Fri 4/9/10	Mon 4/26/10	75%																										
24	Delivery	2 days	Tue 4/27/10	Wed 4/28/10	30%																										
25	Excavation & Laying HDPE Pipe Works	63 days	Tue 5/4/10	Mon 7/12/10	16%																										
26	✓ Cct. P/E STP to P/E Pusat Konvesyen	10 days	Thu 5/6/10	Mon 5/17/10	100%																										
27	Cct. P/E STP to P/E FSPU Lama	10 days	Tue 5/4/10	Sat 5/15/10	60%																										
28	Cct. P/E Pusat Konvesyen & P/E Kolej Kenanga	12 days	Thu 5/13/10	Tue 5/25/10	30%																										
29	Cct. P/E FPP Lama to P/E FPP Baru	12 days	Wed 5/26/10	Sun 6/6/10	0%																										
30	Cct. P/E FPP Baru to P/E FSPU Lama	12 days	Sun 6/6/10	Thu 6/17/10	0%																										
31	Cct. Main-Intake Sub. Fdr HA16 to P/E Kolej Cempaka	12 days	Thu 6/17/10	Tue 6/29/10	0%																										
32	Cct. Main-Intake Sub. Fdr HA15 to P/E FPP Lama	10 days	Wed 6/30/10	Mon 7/12/10	0%																										
33	Laying 11kV Cable Works	51 days	Mon 5/24/10	Sat 7/17/10	0%																										
34	Cct. P/E STP to P/E Pusat Konvesyen	5 days	Mon 5/24/10	Fri 5/28/10	0%																										
35	Cct. P/E STP to P/E FSPU Lama	5 days	Sat 5/29/10	Wed 6/2/10	0%																										
36	Cct. P/E Pusat Konvesyen to P/E Kolej Kenanga	5 days	Thu 6/3/10	Mon 6/7/10	0%																										
37	Cct. P/E FPP Lama to P/E FPP Baru	5 days	Tue 6/8/10	Sat 6/12/10	0%																										
38	Cct. P/E FPP Baru to P/E FSPU Lama	5 days	Fri 6/18/10	Tue 6/22/10	0%																										
39	Cct. Main-Intake Sub. Fdr HA16 to P/E Kolej Cempaka	5 days	Wed 6/30/10	Mon 7/5/10	0%																										
40	Cct. Main-Intake Sub. Fdr HA15 to P/E FPP Lama	5 days	Tue 7/13/10	Sat 7/17/10	0%																										
41	Jointing, Termination & Testing	47 days	Tue 6/1/10	Thu 7/22/10	0%																										
42	Cct. P/E STP to P/E Pusat Konvesyen	4 days	Tue 6/1/10	Fri 6/4/10	0%																										
43	Cct. P/E STP to P/E FSPU Lama	4 days	Sat 6/5/10	Tue 6/8/10	0%																										
44	Cct. P/E Pusat Konvesyen to P/E Kolej Kenanga	4 days	Wed 6/9/10	Sat 6/12/10	0%																										
45	Cct. P/E FPP Lama to P/E FPP Baru	4 days	Sun 6/13/10	Wed 6/16/10	0%																										
46	Cct. P/E FPP Baru to P/E FSPU Lama	4 days	Wed 6/23/10	Sat 6/26/10	0%																										
47	Cct. Main-Intake Sub. Fdr HA16 to P/E Kolej Cempaka	4 days	Tue 7/6/10	Fri 7/9/10	0%																										
48	Cct. Main-Intake Sub. Fdr HA15 to P/E FPP Lama	4 days	Mon 7/19/10	Thu 7/22/10	0%																										
49	Shutdown & Commissioning	19 days	Sat 7/3/10	Tue 7/27/10	0%																										
50	Stage 1	18 days	Sat 7/3/10	Mon 7/26/10	0%																										
51	Issued PTW	1 day	Sat 7/3/10	Sat 7/3/10	0%																										
52	Commissioning	12 days	Mon 7/12/10	Mon 7/26/10	0%																										
53	Cct. Main-Intake Sub. Fdr HA16 to P/E Kolej Cempaka	2 days	Mon 7/12/10	Tue 7/13/10	0%																										
54	Cct. Main-Intake Sub. Fdr HA15 to P/E FPP Lama	2 days	Fri 7/23/10	Mon 7/26/10	0%																										
55	Stage 2	1 day	Tue 7/27/10	Tue 7/27/10	0%																										
56	Cct. P/E Pusat Konvesyen to P/E Kolej Kenanga	1 day	Tue 7/27/10	Tue 7/27/10	0%																										
57	Stage 3	1 day	Thu 7/15/10	Thu 7/15/10	0%																										
58	Cct. P/E STP to P/E Pusat Konvesyen	1 day	Thu 7/15/10	Thu 7/15/10	0%																										
59	Stage 4	2 days	Fri 7/16/10	Sat 7/17/10	0%																										
60	Disconnecting & Reconnection works (185sqmm PILC Cable)	1 day	Fri 7/16/10	Fri 7/16/10	0%																										
61	Cct. P/E STP to P/E FSPU Lama	1 day	Fri 7/16/10	Fri 7/16/10	0%																										
62	Commissioning	1 day	Sat 7/17/10	Sat 7/17/10	0%																										
63	Cct. P/E STP to P/E FSPU Lama	1 day	Sat 7/17/10	Sat 7/17/10	0%																										
64	Stage 5	2 days	Mon 7/19/10	Tue 7/20/10	0%																										
65	Disconnecting & Reconnection works (185sqmm PILC Cable)	1 day	Mon 7/19/10	Mon 7/19/10	0%																										
66	Cct. P/E FPP Baru to P/E FSPU Lama	1 day	Mon 7/19/10	Mon 7/19/10	0%																										
67	Commissioning	1 day	Tue 7/20/10	Tue 7/20/10	0%																										
68	Cct. P/E FPP Baru to P/E FSPU Lama	1 day	Tue 7/20/10	Tue 7/20/10	0%																										
69	Stage 6	2 days	Wed 7/21/10	Thu 7/22/10	0%																										
70	Disconnecting & Reconnection works (185sqmm PILC Cable)	1 day	Wed 7/21/10	Wed 7/21/10	0%																										
71	Cct. P/E FPP Lama to P/E FPP Baru	1 day	Wed 7/21/10	Wed 7/21/10	0%																										
72	Commissioning	1 day	Thu 7/22/10	Thu 7/22/10	0%																										
73	Cct. P/E FPP Lama to P/E FPP Baru	1 day	Thu 7/22/10	Thu 7/22/10	0%																										
74	Site Handing Over	1 day	Mon 3/15/10	Mon 3/15/10	0%																										

LAMPIRAN D

CADANGAN KERJA-KERJA MENAIKTARAF KABEL 11KV SEDIAADA DAN JUGA SAMBUNGAN
BEKALAN KE PUSAT KONVENSYEN DAN KEBUDAYAAN UNTUK UNIVERSITY TEKNOLOGI MARA (UiTM)



LAMPIRAN E



OWNER : UiTM SHAH ALAM SELANGOR DARUL EHSAN
PROJECT : CADANGAN KERJA-KERJA MENAIK TARAF KABEL 11KV SEDIA ADA DAN JUGA
 SAMBUNGAN BEKALAN KE PUSAT KONVENSYEN DAN KEBUDAYAAN UNTUK UiTM
MAIN CONTRACTOR : PTIS ENGINEERING SDN BHD
CONSULTANT FOR OWNER : PERUNDING JURUWAS SDN BHD

Form Ref No : PTIS-QSP-001/F-04-00
 Revision Date : 01/03/2007

PROJECT DRAWING MASTER LIST

A	APPROVED
B	APPROVED WITH COMMENTS
C	REVISED AND RESUBMIT
D	NOT APPROVED

G	FOR INFORMATION ONLY
H	AS REQUESTED
J	COMMENTS ENCLOSED
K	DOCUMENT ENCLOSED

DWG.DOC. NO.	PAGE(S)	TITLE	Submission Target date	SUBMISSION STATUS					
				REV 0		REV 1		REV 2	
				Submit	Return	ReSubmit	Return	ReSubmit	Return
		STATUS OF ELECTRICAL DRAWING							
UITM-PTIS-J12-E-000	1	COVER SHEET							
UITM-PTIS-J12-E-001	1	SINGLE LINE DIAGRAM							
UITM-PTIS-J12-E-002	1	OVERALL LAYOUT - 11KV POWER CABLE ROUTE		20.04.2010	02.05.2010				
UITM-PTIS-J12-E-003	1	11KV POWER CABLE -CROSS SECTION		14.04.2010	28.04.2010				
UITM-PTIS-J12-E-004	1	PLAN VIEW PART 1-11KV POWER CABLE ROUTE		20.04.2010	02.05.2010				
UITM-PTIS-J12-E-005	1	PLAN VIEW PART 2-11KV POWER CABLE ROUTE		20.04.2010	02.05.2010				
UITM-PTIS-J12-E-006	1	OVERALL - UTILITY MAPPING DRAWING		14.04.2010					
UITM-PTIS-J12-E-007	1	UTILITY MAPPING DRAWING - DETAIL A		14.04.2010					
UITM-PTIS-J12-E-008	1	UTILITY MAPPING DRAWING - DETAIL B		14.04.2010					
UITM-PTIS-J12-E-009	1	UTILITY MAPPING DRAWING - DETAIL C		14.04.2010					
UITM-PTIS-J12-E-010	1	CABLE ROUTE SIGNBOARD		12.04.2010					
UITM-PTIS-J12-E-011	1	CONSTRUCTION DRG-CABLE ROUTE MARKER		12.04.2010					
UITM-PTIS-J12-E-012	1	PROJECT SIGNAGE		12.04.2010	28.04.2010				
UITM-PTIS-J12-E-013	1	HOARDING		12.04.2010	28.04.2010				

Rev	Date	Prepared By:	Check By	Approved By:
1	14.05.2010	RAZALI RAFII	NADZIRUDDIN BANDI	ABDUL KADIR BIDIN

LAMPIRAN F

CADANGAN KERJA-KERJA MENAIKTARAF KABEL 11KV SEDIA ADA JUGA SAMBUNGAN BEKALAN KE PUSAT KONVESYEN DAN KEBUDAYAAN UNTUK UITM SHAH ALAM

1 Tenaga Kerja Kontraktor di tapak pembinaan

[illegible]

2 Peralatan Kerja dan Mesin di tapak pembinaan

[illegible]

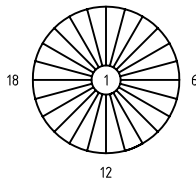
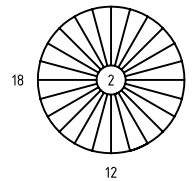
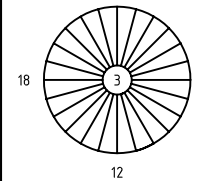
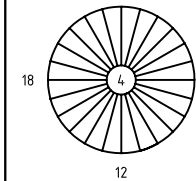
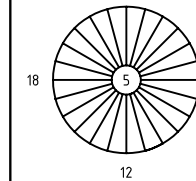
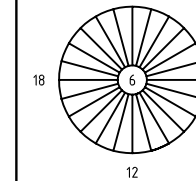
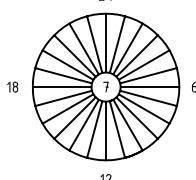
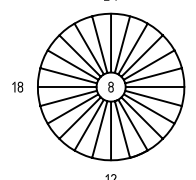
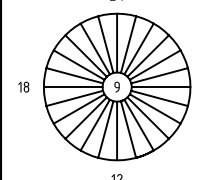
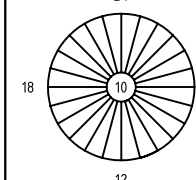
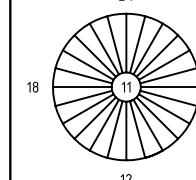
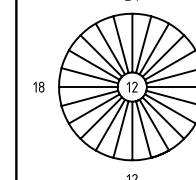
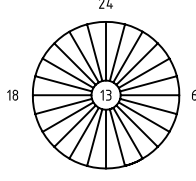
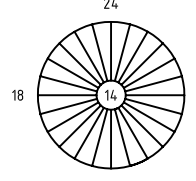
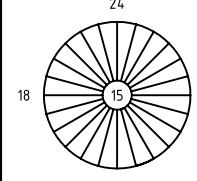
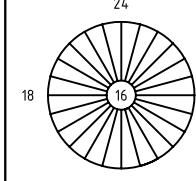
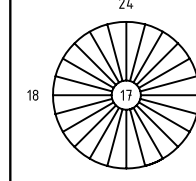
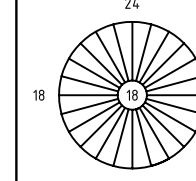
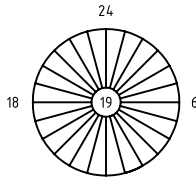
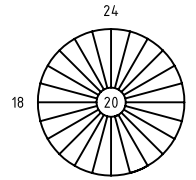
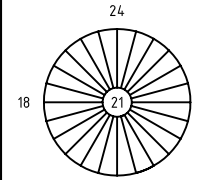
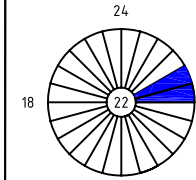
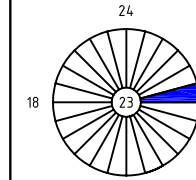
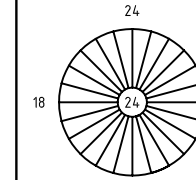
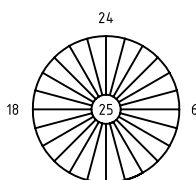
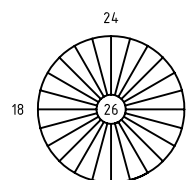
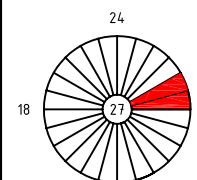
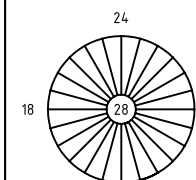
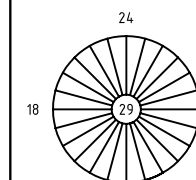
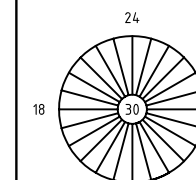
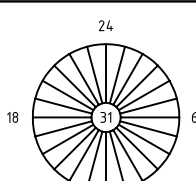
Disediakan Oleh :-

Disahkan Oleh :-

CADANGAN KERJA-KERJA MENAIKTARAF KABEL 11KV SEDIA ADA DAN
JUGA SAMBUNGAN BEKALAN KE PUSAT KONVENSYEN DAN KEBUDAYAAN
UNTUK UNIVERSITI TEKNOLOGI MARA (UiTM)

REKOD CUACA

BULAN / TAHUN : 15hb April 2010 hingga 15hb Mei 2010
LOKASI : UiTM SHAH ALAM SELANGOR DARUL EHSAN

					
					
					
					
					
	Penunjuk: Baik Mendung Hujan Rekod Hujan Ringkasan: Sehingga 15 April. - jam Accumulative hari Di Rekod oleh: Nama: Jawatan: Di Sahkan oleh: Nama: Jawatan:				