

Appendix J

Tentative Construction Programme

ID	Task Name	Start	Finish	September					October				November				D
				28/8	4/9	11/9	18/9	25/9	2/10	9/10	16/10	23/10	30/10	6/11	13/11	20/11	
1	Civil Works																
2																	
3	Site ProceSSION & Preparation Work	Tue 25/5/04	Mon 12/7/04														
4																	
5	<u>Within Lamma Power Station</u>																
6	Construction of Cable Duct	Mon 4/10/04	Thu 29/9/05														
7	Construction of Cable Duct North Portal	Mon 12/7/04	Wed 30/11/05														
8																	
9	<u>Yung Shue Wan South</u>																
10	Construction of Cable Landing Point	Mon 12/7/04	Wed 30/11/05														
11	Construction of Cable Duct South Portal	Mon 12/7/04	Wed 30/11/05														
12																	
13	<u>Pak Kok San Tsuen</u>																
14	Construction of Cable Landing Point	Tue 24/8/04	Fri 14/10/05														
15	Construction of Cable Trenches	Sat 30/7/05	Sat 31/12/05														
16	Construction of Cable Duct	Thu 25/11/04	Fri 30/9/05														
17	Construction of Cable Duct South Portal	Wed 25/8/04	Sat 31/12/05														
18																	
19	<u>Pak Kok Tsui</u>																
20	Construction of Cable Landing Point	Mon 12/7/04	Wed 14/9/05														
21	Construction of Cable Duct North Portal	Mon 12/7/04	Sat 31/12/05														

Additional Transmission System for Lamma Power Station
 275kV Cable Route from Lamma Island to Cyberport
 3-Month Programme (Rev. F)

Task



Milestone



External Tasks



Split



Summary



External Milestone



Progress



Project Summary



Deadline



ID	Activities	Duration	Start	Finish					
					J	A	S	O	N
1	Main Station Bldg. and HRSG	710 days	02 Apr '04	12 Mar '06					
2	Pile head treatment	29 days	02 Apr '04	30 Apr '04					
3	Earthing system	30 days	11 May '04	09 Jun '04					
4	Pile cap and tie beam	110 days	16 May '04	02 Sep '04					
5	1/F construction	60 days	26 Dec '04	23 Feb '05					
6	2/F Construction	90 days	01 Dec '04	28 Feb '05					
7	3/F Construction	45 days	15 Jan '05	28 Feb '05					
8	4/F Construction	45 days	01 Feb '05	17 Mar '05					
9	5/F Construction	45 days	02 Mar '05	15 Apr '05					
10	R/F Construction	45 days	17 Mar '05	30 Apr '05					
11	Deferred works - East	50 days	21 Apr '05	09 Jun '05					
12	Deferred works - West	76 days	17 May '05	31 Jul '05					
13	Deferred works - South	45 days	15 Oct '05	28 Nov '05					
14	Deferred works - Air Inlet	31 days	01 Jan '06	31 Jan '06					
15	Deferred works - North	40 days	01 Feb '06	12 Mar '06					
16	Deferred works - Tiling at +16.15	90 days	15 Nov '05	12 Feb '06					
17	Deferred works - Firewall at Transformer Bay	46 days	20 Jul '05	03 Sep '05					
18	Deferred works - Metal Fence at Transformer Bay	62 days	01 Jan '06	03 Mar '06					
19									
20	275kV Bldg.	455 days	03 May '04	31 Jul '05					
21	Pile head treatment	22 days	03 May '04	24 May '04					
22	Earthing system	30 days	11 May '04	09 Jun '04					
23	Pile cap and tie beam	45 days	16 May '04	29 Jun '04					
24	1/F construction	90 days	01 Jun '04	29 Aug '04					
25	2/f construction	90 days	30 Aug '04	27 Nov '04					
26	3/f construction	45 days	28 Nov '04	11 Jan '05					
27	Roof construction	45 days	12 Jan '05	25 Feb '05					
28	Surrounding Cable Trench	108 days	15 Apr '05	31 Jul '05					
29									
30	No. 4 Chimney	584 days	30 Jun '04	03 Feb '06					
31	Pile head treatment	30 days	30 Jun '04	29 Jul '04					
32	Pile cap construction	63 days	30 Aug '04	31 Oct '04					
33	Superstructure construction	300 days	01 Nov '04	27 Aug '05					
34	Steel and Internal Works	160 days	28 Aug '05	03 Feb '06					
35									
36	Road & Drainage Works	198 days	05 Jul '04	18 Jan '05					
37	Along Loading and Unloading Area	88 days	05 Jul '04	30 Sep '04					
38	Breaking up the road concrete	10 days	05 Jul '04	14 Jul '04					
39	Pipe installation	48 days	15 Jul '04	31 Aug '04					
40	Testing	7 days	01 Sep '04	07 Sep '04					
41	Haunching and Road making good	23 days	08 Sep '04	30 Sep '04					
42	North Seafront Road	148 days	09 Jul '04	03 Dec '04					
43	Excavation	84 days	09 Jul '04	30 Sep '04					
44	Pipe installation	84 days	16 Jul '04	07 Oct '04					
45	Testing	14 days	15 Oct '04	28 Oct '04					
46	Haunching and Road making good	120 days	06 Aug '04	03 Dec '04					
47	East Bridge Road	72 days	28 Oct '04	07 Jan '05					

Lamma Power Station Extension - Unit 9 Civil and Building Work 3-Month Programme

Scheduled Activity 

ID	Activities	Duration	Start	Finish					
					J	A	S	O	N
48	Excavation	30 days	28 Oct '04	26 Nov '04					
49	Pipe installation	30 days	11 Nov '04	10 Dec '04					
50	Testing	14 days	18 Dec '04	31 Dec '04					
51	Haunching and Road making good	14 days	25 Dec '04	07 Jan '05					
52	Chimney Road	72 days	08 Nov '04	18 Jan '05					
53	Excavation	30 days	08 Nov '04	07 Dec '04					
54	Pipe installation	30 days	22 Nov '04	21 Dec '04					
55	Testing	14 days	29 Dec '04	11 Jan '05					
56	Haunching and Road making good	14 days	05 Jan '05	18 Jan '05					
57									
58	C W Culvert System	459 days	15 Aug '04	16 Nov '05					
59	Outlet Section	392 days	15 Aug '04	10 Sep '05					
60	Excavation	14 days	15 Aug '04	28 Aug '04					
61	Install Sheet Pile	45 days	29 Aug '04	12 Oct '04					
62	Pending consent	28 days	13 Oct '04	09 Nov '04					
63	Install 1800mm Pipe	50 days	10 Nov '04	29 Dec '04					
64	Trust Block Construction	45 days	30 Dec '04	12 Feb '05					
65	Backfilling	10 days	13 Feb '05	22 Feb '05					
66	Install pipe pile	90 days	23 Feb '05	23 May '05					
67	Pending consent	28 days	24 May '05	20 Jun '05					
68	Excavation & install wailing	40 days	21 Jun '05	30 Jul '05	██████████				
69	Install 1800mm Pipe	14 days	31 Jul '05	13 Aug '05		██████████			
70	Manhole Construction	21 days	14 Aug '05	03 Sep '05			██████████		
71	Backfilling	7 days	04 Sep '05	10 Sep '05				██████████	
72	Inlet Section	152 days	13 Oct '04	13 Mar '05					
73	Excavation	14 days	13 Oct '04	26 Oct '04					
74	Install Sheet Pile	30 days	27 Oct '04	25 Nov '04					
75	Pending consent	28 days	26 Nov '04	23 Dec '04					
76	Install 1800mm Pipe	40 days	24 Dec '04	01 Feb '05					
77	Trust Block Construction	30 days	02 Feb '05	03 Mar '05					
78	Backfilling	10 days	04 Mar '05	13 Mar '05					
79									
80	C W Pump Equipment Room	76 days	15 Jul '05	28 Sep '05					
81	Excavation	4 days	15 Jul '05	18 Jul '05	██████████				
82	Substructure	21 days	19 Jul '05	08 Aug '05		██████████			
83	Superstructure	30 days	09 Aug '05	07 Sep '05			██████████		
84	Finishing	21 days	08 Sep '05	28 Sep '05				██████████	
85									
86	Pipe & Cable Rack	101 days	23 May '05	31 Aug '05					
87	Excavation	21 days	23 May '05	12 Jun '05					
88	Footing	30 days	13 Jun '05	12 Jul '05	██████████				
89	Steel Work	50 days	13 Jul '05	31 Aug '05	██████████				
90									
91	Gas Receiving Station	125 days	15 Jul '05	16 Nov '05					
92	Excavation	45 days	15 Jul '05	28 Aug '05	██████████				
93	RC Structure and finishing work	80 days	29 Aug '05	16 Nov '05				██████████	
94	Drainage and Road Work	60 days	29 Aug '05	27 Oct '05				██████████	

Lamma Power Station Extension - Unit 9 Civil and Building Work 3-Month Programme

Scheduled Activity 

3 month work schedule for Lamma power station extension Unit-9

Item	Description	Start	Finish	Sep				Oct				Nov			
				1	10	20	31	1	10	20	30	1	10	20	31
1	HRSG erection	28 Mar,05	Cont												
2	Steam turbine erection	01 Mar,05	Cont												
3	Gas turbine erection	15 Mar,05	Cont												
4	Generator erection	15 Mar,05	Cont												
5	Condenser erection	15 Feb,05	Cont												
6	Aux equipment erection	01 Apr,05	Cont												
7	Air duct / Inlet filter	25 Apr,05	Cont												
8	HRSG inlet duct	21 May, 05	Cont												
9	Piping support / Piping erection	01 Jun,05	Cont												
10	Insulation work	23 Feb,05	Cont												
11	Platform installation	11 Apr, 05	Cont												
12	Pipe rack installation	26 Aug, 05	Cont												
13	Intake aux equipment installation	08 Aug, 05	Cont												

MITSUBISHI ELECTRIC (H.K.) LTD.

CONTRACT NO. 02/9006
LAMMA EXTENSION SWITCHING STATION
COMPLETE ERECTION, TESTING & COMMISSIONING OF
275kV GIS & SHUNT REACTORS AND ASSOCIATED EQUIPMENT
3 MONTH PROGRAMME (SEPTEMBER 2005 TO NOVEMBER 2005)

ID	Task Name	Start	Finish	SEPTEMBER					OCTOBER					NOVEMBER				
				28/8	4/9	11/9	18/9	25/9	2/10	9/10	16/10	23/10	30/10	6/11	13/11	20/11	27/11	
1	GIS ERECTION																	
1	GIS Installation	03/05/2005	10/08/2005															
1	Control Panel Installation	17/05/2005	25/06/2005															
1	Control Cabling Work	30/05/2005	27/08/2005															
1	Gas Work for GIS	27/06/2005	20/08/2005															
2	Inspection & Testing	04/07/2005	26/11/2005															
2	Interfacing Work with Power Cable	12/09/2005	15/07/2006															
2	SHUNT REACTOR ERECTION																	
2	Interfacing Work with Power Cable	09/09/2005	08/12/2005															
2																		
2																		
2																		
3																		
3																		

CONTRACT NO. 04/9013
LAMMA POWER STATION EXTENSION UNIT 9
COMPLETE ERECTION, INSPECTION, TESTING & COMMISSIONING OF
POWER BLOCK ELECTRICAL, INSTRUMENTATION AND CONTROL FACILITIES

3 MONTH PROGRAMME (SEPTEMBER 2005 TO NOVEMBER 2005)

ID	Task Name	Start	Finish	September					October				November				
				1/9	8/9	15/9	22/9	29/9	5/10	12/10	19/10	26/10	3/11	10/11	17/11	24/11	30/11
1																	
2	L9 Electrical Erection	Thu 1/9/05	Wed 30/11/05														
3	Transformer Installation	Thu 1/9/05	Wed 30/11/05														
4	Busduct Installation	Thu 1/9/05	Wed 30/11/05														
5	IPB Installation																
6	Control Panel Installation	Thu 1/9/05	Wed 30/11/05														
7	Cable Tray & Earthing Installation	Thu 1/9/05	Wed 30/11/05														
8	Conduit Installation	Thu 1/9/05	Wed 30/11/05														
9	Cable Laying	Thu 1/9/05	Wed 30/11/05														
10	Cable Termination	Thu 1/9/05	Wed 30/11/05														

ID	Task Name	Start	Finish	September					October					November				De
				28/8	4/9	11/9	18/9	25/9	2/10	9/10	16/10	23/10	30/10	6/11	13/11	20/11	27/11	
1																		
2	Pipeline Installation	Thu 1/9/05	Wed 30/11/05															
3																		
4	Rock Dumping	Thu 1/9/05	Wed 30/11/05															

Lamma Power Station Extension Supply and Installation of Submarine Gas Pipeline 3-Month Programme	Task		Milestone		External Tasks	
	Split		Summary		External Milestone	
	Progress		Project Summary		Deadline	

