

Appendix J

Tentative Construction Programme

ID	Task Name	Start	Finish	June					July				August				S
				29/5	5/6	12/6	19/6	26/6	3/7	10/7	17/7	24/7	31/7	7/8	14/8	21/8		28/8
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	Fri 14/10/05														
16	Construction of Cable Duct	Thu 25/11/04	Fri 29/7/05														
17	Construction of Cable Duct South Portal	Tue 24/8/04	Fri 14/10/05														
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	Fri 6/5/05														

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

Task



Milestone



External Tasks



Split



Summary



External Milestone



Progress



Project Summary



Deadline



ID	Activities	Duration	Start	Finish	2005 June							2005 July							2005 August																		
					31	3	6	9	12	15	18	21	24	27	30	3	6	9	12	15	18	21	24	27	30	2	5	8	11	14	17	20	23	26	29		
1	Main Station Bldg. and HRSG	760 days	04/02	06/01																																	
2	Pile head treatment	29 days	04/02	04/30																																	
3	Earthing system	30 days	04/05/11	04/06/9																																	
4	Pile cap and tie beam	110 days	04/05/16	04/09/2																																	
5	1/F construction	90 days	04/12/26	05/2/23																																	
6	2/F Construction	90 days	04/12/1	05/2/28																																	
7	3/F Construction	45 days	05/1/15	05/2/28																																	
8	4/F Construction	45 days	05/2/1	05/3/17																																	
9	5/F Construction	45 days	05/3/2	05/4/15																																	
10	R/F Construction	45 days	05/3/17	05/4/30																																	
11	Deferred works - East	50 days	05/4/21	05/6/9	.....																															
12	Deferred works - West	76 days	05/5/17	05/7/31	.....	.....																													
13	Deferred works - South	45 days	05/10/15	05/11/28	.....	.....	.....																											
14	Deferred works - Air Inlet	31 days	06/1/1	06/1/31	.....	.....	.....	.....																									
15	Deferred works - North	40 days	06/2/1	06/3/12	.....	.....	.....	.....																									
16	Deferred works - Tying at +16.15	90 days	05/6/15	05/9/12	.....	.....	.....	.....	.....																							
17	Deferred works - Firewall at Transformer Bay	46 days	05/12/1	06/1/15	.....	.....	.....	.....	.....																							
18	Deferred works - Metal Fence at Transformer Bay	62 days	06/3/1	06/5/1	.....	.....	.....	.....	.....	.....																					
19																																					
20	275kV Bldg.	424 days	04/6/3	05/6/30																																	
21	Pile head treatment	22 days	04/5/3	04/5/24																																	
22	Earthing system	30 days	04/5/11	04/6/9																																	
23	Pile cap and tie beam	45 days	04/5/16	04/6/29																																	
24	1/F construction	90 days	04/6/1	04/6/26																																	
25	2/F construction	90 days	04/6/30	04/11/27																																	
26	3/F construction	45 days	04/11/26	05/1/11																																	
27	Roof construction	45 days	05/1/12	05/2/25																																	
28	Surrounding Cable Trench	106 days	05/3/15	05/6/30	.....	.....	.....	.....																									
29																																					
30	No. 4 Chimney	424 days	04/8/30	05/8/27																																	
31	Pile head treatment	30 days	04/8/30	04/7/29																																	
32	Pile cap construction	63 days	04/8/30	04/10/31																																	
33	Superstructure construction	300 days	04/11/1	05/8/27	.....	.....	.....	.....	.....																							
34																																					
35	Road & Drainage Works	196 days	04/7/8	05/1/18																																	
36	Along Loading and Unloading Area	86 days	04/7/8	04/9/30																																	
37	Breaking up the road concrete	10 days	04/7/5	04/7/14																																	
38	Pipe installation	48 days	04/7/15	04/8/31																																	
39	Testing	7 days	04/9/1	04/9/7																																	
40	Haunching and Road making good	23 days	04/9/8	04/9/30																																	
41	North Seafront Road	148 days	04/7/9	04/12/3																																	
42	Excavation	84 days	04/7/9	04/9/30																																	
43	Pipe installation	84 days	04/7/16	04/10/7																																	
44	Testing	14 days	04/10/15	04/10/28																																	

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

Scheduled Activity [Gantt bar]

ID	Activities	Duration	Start	Finish	2005 June							2005 July							2005 August														
					31	3	6	9	12	15	18	21	24	27	30	3	6	9	12	15	18	21	24	27	30	2	5	8	11	14	17	20	22	26	29
45	Haunching and Road making good	120 days	04/06	04/12/3																													
46	East Bridge Road	72 days	04/10/24	05/1/7																													
47	Excavation	30 days	04/10/28	04/11/26																													
48	Pipe installation	30 days	04/11/11	04/12/10																													
49	Testing	14 days	04/12/18	04/12/31																													
50	Haunching and Road making good	14 days	04/12/25	05/1/7																													
51	Chimney Road	72 days	04/11/8	05/1/18																													
52	Excavation	30 days	04/11/8	04/12/7																													
53	Pipe installation	30 days	04/11/22	04/12/21																													
54	Testing	14 days	04/12/29	05/1/11																													
55	Haunching and Road making good	14 days	05/1/5	05/1/18																													
56																																	
57	C/W Culvert System	336 days	04/8/15	05/7/16																													
58	Outlet Section	336 days	04/8/15	05/7/16																													
59	Excavation	14 days	04/8/15	04/8/28																													
60	Install Sheet Pile	45 days	04/8/29	04/10/12																													
61	Pending consent	28 days	04/10/13	04/11/9																													
62	Install 1500mm Pipe	50 days	04/11/10	04/12/29																													
63	Trust Block Construction	45 days	04/12/30	05/2/12																													
64	Backfilling	10 days	05/2/13	05/2/22																													
65	Install pipe pile	60 days	05/2/23	05/4/23																													
66	Pending consent	28 days	05/4/24	05/5/21																													
67	Excavation & install waling	21 days	05/5/22	05/6/11																													
68	Install 1500mm Pipe	14 days	05/6/12	05/6/25																													
69	Manhole Construction	14 days	05/6/26	05/7/9																													
70	Backfilling	7 days	05/7/10	05/7/18																													
71	Inlet Section	152 days	04/10/13	05/3/13																													
72	Excavation	14 days	04/10/13	04/10/26																													
73	Install Sheet Pile	30 days	04/10/27	04/11/26																													
74	Pending consent	28 days	04/11/26	04/12/23																													
75	Install 1500mm Pipe	40 days	04/12/24	05/2/1																													
76	Trust Block Construction	30 days	05/2/2	05/3/3																													
77	Backfilling	10 days	05/3/4	05/3/13																													
78																																	
79	C.W Pump Equipment Room	53 days	05/5/15	05/7/6																													
80	Excavation	4 days	05/5/15	05/5/18																													
81	Substructure	14 days	05/5/19	05/6/1																													
82	Superstructure	21 days	05/6/2	05/6/22																													
83	Finishing	14 days	05/6/23	05/7/6																													
84																																	
85	Pipe & Cable Rack	51 days	05/6/23	05/7/12																													
86	Excavation	21 days	05/5/23	05/6/12																													
87	Footing	30 days	05/6/13	05/7/12																													

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

Scheduled Activity

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 (JUNE 2005 TO AUGUST 2005)

ID	Task Name	Start	Finish	June					July				August				
				1/6	8/6	15/6	22/6	29/6	5/7	12/7	19/7	26/7	3/8	10/8	17/8	24/8	31/8
1																	
2	L9 Electrical Erection	Wed 1/6/05	Wed 31/8/05														
3	Switchgear Installation	Wed 1/6/05	Wed 31/8/05														
4	Auxiliary Transformer Installation	Wed 1/6/05	Wed 31/8/05														
5	Control Centre Installation	Wed 1/6/05	Wed 31/8/05														
6	Control Panel Installation	Wed 1/6/05	Wed 31/8/05														
7	Cable Tray & Earthing Installation	Wed 1/6/05	Wed 31/8/05														
8	Cable Laying	Wed 1/6/05	Wed 31/8/05														
9	Cable Termination	Wed 1/6/05	Wed 31/8/05														
10																	

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 (JUNE 2005 TO AUGUST 2005)

ID	Task Name	Start	Finish	JUNE				JULY				AUGUST							
				5/6	12/6	19/6	26/6	3/7	10/7	17/7	24/7	31/7	7/8	14/8	21/8	28/8			
1	GIS ERECTION																		
1.1	GIS Installation	03/05/2005	30/07/2005																
1.2	Control Panel Installation	17/05/2005	25/06/2005																
1.3	Control Cabling Work	30/05/2005	27/08/2005																
1.4	Gas Work for GIS	27/06/2005	20/08/2005																
2	SHUNT REACTOR ERECTION																		
2.1	Main Parts & Accessories Installation	05/05/2005	10/06/2005																
2.2	Protection Devices & Misc. Works	17/05/2005	10/06/2005																
2.3	Oil Work	25/05/2005	21/06/2005																
2.4	Inspection & Testing	20/06/2005	02/07/2005																

ID	Task Name	Start	Finish	June					July				August				Se
				29/5	5/6	12/6	19/6	26/6	3/7	10/7	17/7	24/7	31/7	7/8	14/8	21/8	
1																	
2	Pipeline Installation	Wed 1/6/05	Tue 30/8/05														
3																	
4	Jetting	Sat 4/6/05	Sun 31/7/05														
5	Rock Dumping	Wed 1/6/05	Tue 30/8/05														

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	