Appendix J

Tentative Construction Programme

· · · · · · · · · · · ·		-		De	cembe				Januar	У			Fe	bruary			M
ID	Task Name	Start	Finish	27/11	4/12	11/12	18/12	25/12	1/1	8/1	15/1	22/1	29/1	5/2	12/2	19/2	26/2
1	Civil Works																
2																	
3	Site Procession & Preparation Work	Tue 25/5/04	Mon 12/7/04														
4																	
5	Within Lamma Power Station																
6	Construction of Cable Duct	Mon 4/10/04	Thu 29/9/05														
7	Construction of Cable Duct North Portal	Mon 12/7/04	Tue 31/1/06	7777	7/7/	7777	7777	.7777	77777	7777	1777	7777	ZZ				
8																	:
9	Yung Shue Wan South																
10	Construction of Cable Landing Point	Mon 12/7/04	Sat 31/12/05	7777	777	7777		7777	3								1
11	Construction of Cable Duct South Portal	Mon 12/7/04	Tue 31/1/06	7777	777	7777	777			7777	/////	,,,,,,	ZZ				
12				1													
13	Pak Kok San Tsuen			1													
14	Construction of Cable Landing Point	Tue 24/8/04	Fri 14/10/05	1													
15	Construction of Cable Trenches	Sat 30/7/05	Sat 31/12/05	7777	7777	7777	7777	77777	נ								
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	7777	777		7777	/////	ם								
18																	
19	Pak Kok Tsui			1													
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	ZZZZ	7777	////		<i></i>	J						,		

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

Task
Split
Progress

3

Milestone
Summary
Project Summary

External Tasks

External Milestone

Deadline

1		Duration	Start	Finish	30 03 06 09 12 15 18 21 24 27 30 02 05 08 11 14 17 20 23 26 29 01 04 07 10 13 15 19 22 25 28
	Main Station Bidg. and HRSG	701 days	02 Apr '04	03 Mar '06	2011-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1
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 '06	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 105	31 Jul '05	
13	Deferred works - South	45 days	15 Oct '05	28 Nov '05	
14	Deferred works - Air intel	31 days	01 Jan '06	31 Jan '06	
15	Deferred works - North	30 days	01 Feb '06	02 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 Bey	62 days	01 Jan '06	03 Mar '06	
19		0.000.000	000000000		
20	275kV Bidg.	621 days	03 May '04	13 Jan '06	
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 104	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	120 days	15 Apr 106	12 Aug '05	
29	Surrounding External works	60 days	15 Nov '05	13 Jan '06	Control of Control of the Control of
30		0.27,25980			
31	No. 4 Chimney	604 days	30 Jun '04	23 Feb '06	
32	Pile head treatment	30 days	30 Jun '04	29 Jul '04	
33	Pile cap construction	63 days	30 Aug '04	31 Oct '04	
34	Superstructure construction	300 days	01 Nov '04	27 Aug '05	
35	Steel and Internal Works	180 days	28 Aug '05	23 Feb '06	
36	VANDAWO MACAGARAN	0.7/0.755	100000000000000000000000000000000000000		
37	Road & Drainage Works	574 days	05 Jul '04	29 Jan '06	
38	Along Loading and Unloading Area	88 days	05 Jul '04	30 Sep '04	
39	Breaking up the road concrete	10 days	05 Jul '04	14 Jul '04	
40	Pipe installation	48 days	15 Jul '04	31 Aug '04	
41	Testing	7 days	01 Sep '04	07 Sep '04	
		The second second	2000000000	C. C. C. C.	
	a Power Station Extension - Unit 9 Civil and E th Programme	uilding Work	Scheduled Ar	tivity	
		-			Page 1 Revision

ID	Activities	Dunter	Otes	WALKET !	December 2005 January 2006 February 2006 N
42	Haunching and Road making good	Duration 23 days	Start 08 Sep '04	Finish 30 Sep '04	30 03 06 09 12 15 18 21 24 27 30 02 05 08 11 14 17 20 23 26 29 01 04 07 10 13 16 19 22 25 2
43	North Seafront Road	570 days	09 Jul '04	29 Jan '06	
44	Excavation	84 days	40' lul '04	30 Sep '04	
45	Pipe installation	120 days	01 Oct '04	26 Jan '05	
46	Testing	45 days	05 Feb '05	21 Mar '05	
47	Haunching and Road making good	200 days	22 Oct '04	09 May '05	
48	External Utility Work and Ground Finish	90 days	01 Nov '05	29 Jan '06	
49	East Bridge Road	452 days	28 Oct '04	22 Jan '06	
50	Excavation	30 days	28 Oct '04	26 Nov '04	
51	Pipe installation	90 days	27 Nov '04	24 Feb '05	
52	Testing	14 days	04 Mar '05	17 Mar '05	
53	Haunching and Road making good	120 days	11 Mar '05	08 Jul '05	
54	External Utility Work and Ground Finish	100 days	15 Oct '05	22 Jan '06	
55	Chimney Road	436 days	08 Nov '04	17 Jan '06	
56	Excavation	30 days	08 Nov '04	07 Dec '04	
57	Pipe installation	90 days	08 Dec '04	07 Mar '05	
58	Testing	30 days	15 Mar '05	13 Apr '05	
59	Haunching and Road making good	120 days	22 Mar '05	19 Jul '05	
60	External Utility Work and Ground Finish	90 days	20 Oct '05	17 Jan '06	
61	SACTOR STORY TO A SEC SOCIAL PROPERTY.	ou cays	20 00 00	17 341 00	
62	C W Culvert System	530 days	15 Aug '04	26 Jan '06	
63	Outlet Section	392 days	15 Aug '04	10 Sep '05	
76	Inlet Section	152 days	13 Oct '04	13 Mar '05	
83		Tow days	10 001 04	to man ou	
84	C W Pump Equipment Room	115 days	15 Jul '05	06 Nov '05	4
85	Excavation	4 days	15 Jul '05	18 Jul '05	
86	Substructure	21 days	19 Jul '05	98 Aug '05	
87	Superstructure	30 days	09 Aug '05	07 Sep '05	
88	Finishing	60 days	08 Sep '05	06 Nov '05	
89		(2007)	(40, 804) 31	38,1191/31	4
90	Pipe & Cable Rack	249 days	23 May '05	26 Jan '66	
91	Excavation	21 days	23 May '05	12 Jun '05	
92	Footing	30 days	13 Jun 105	12 Jul '05	
93	Steel Work	50 days	13 Jul '05	31 Aug '05	
94	Walkway and Catladder	60 days	28 Nov '05	26 Jan '06	
95		37,3378	20000000		
96	Gas Receiving Station	161 days	15 Jul '05	22 Dec '05	
97	Excavation	90 days	15 Jul '05	12 Oct '05	
18	RC Structure and finishing work	80 days	05 Aug 105	23 Oct 95	
99	Drainage and Road Work	60 days	24 Oct '05	22 Dec '05	
-		uo uaya	24 00 00	22 000 00	
	a Power Station Extension - Unit 9 Civil and th Programme	Building Work	Scheduled Ad	otivity	
		-			Page 2 Revisio

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

Item	Description	Start	Finish	Dec			Jan			Feb	
	·			1 10 2	0 3	1 1	0 2	0 3	1 1	0 2	0 29
1	HRSG erection	28 Mar,05	Cont								
	Character to which a constitute	04 May 05	Cont								
	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								
15	GRS piping installation	20 Dec, 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 (DECEMBER 2005 TO FEBRUARY 2006)

	m 1 v	G			DECE		1		ANUARY				FEBR		25/2
ID 1	Task Name GIS ERECTION	Start	Finish	4/12	11/12	18/12 25/12	2 1/1	8/1	15/1	22/1	29/1	5/2	12/2	19/2	26/2
1.1	GIS Installation	03/05/2005	10/08/2005												
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												
1.5	Inspection & Testing	04/07/2005	26/11/2005												
1.6	Interfacing Work with Power Cable	12/09/2005	15/07/2006												
	GIS ENERGISATION	29/11/2005													
2	SHUNT REACTOR ERECTION				•										
2.1	Interfacing Work with Power Cable	09/09/2005	08/12/2005		1										
2.2	SHUNT REACTOR 1 ENERGISATION	1/12/2005		▼											
2.3	SHUNT REACTOR 3 ENERGISATION	10/12/2005			▼										
2.4															
2.5															
2.6															

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

3 MONTH PROGRAMME (DECEMBER 2005 TO FEBRUARY 2006)

						Deceml	ber			Jar	nuary			Fe	bruary	
ID	Task Name	Start	Finish	1/12 8	3/12	15/12	22/12 29/	12	5/1	12/1	19/1	26/1	3/2	10/2	17/2	24/2
1																
2	L9 Electrical Erection	Thu 1/12/05	Tue 28/2/06													
3	Busduct Installation	Thu 1/12/05	Tue 28/2/06													
4	IPB Installation	Thu 1/12/05	Tue 28/2/06										I			
5	Control Panel Installation	Thu 1/12/05	Tue 28/2/06										l I			
6	Instrument Panel & Piping Installation	Thu 1/12/05	Tue 28/2/06										I			
7	Cable Tray & Earthing Installation	Thu 1/12/05	Tue 28/2/06					<u> </u>					l I			
8	Conduit Installation	Thu 1/12/05	Tue 28/2/06										l I			
9	Cable Laying	Thu 1/12/05	Tue 28/2/06					+					I			
10	Cable Termination	Thu 1/12/05	Tue 28/2/06													

					December			January			Fer	oruary			M
D_	Task Name	Start	Finish	27/11	1 4/12	11/12	18/12 25/12	1/1 8/1	15/1	22/1	29/1	5/2	12/2	19/2	26/2
1															
2	Pipeline Installation	Thu 1/12/05	Tue 28/2/06												
3															
4	Rock Dumping	Thu 1/12/05	Tue 28/2/06												
			Took				Milestone			Enternal	Tagla				
mma	Power Station Extension		Task				Milestone	•		External	Tasks				
mma pply *	Power Station Extension and Installation of Submarine Gas I	Pipeline	Task Split				Summary	*		External T		•			
mma pply a	Power Station Extension and Installation of Submarine Gas I h Programme	Pipeline					Summary	•			Milestone	•			

J-Power Systems Corp.

Contract No.: 01/9046

Project: Installation of 275kV/Communication Submarine and Land Cables with Accessories for Lamma - Cyberport Circuits

CONSTRUCTION SCHEDULE (FORECAST FOR 3 MONTHS)

Issue: 18 Date: 30-Nov-05

				_														\							VIOI							_						_			ale.				
Date						D	ecer	nber,	2005																, 200									, 2006	6										_
Item	1 2	3 4	5 6	7 8	9 10 1	1 12 13	3 14 1	5 16 17	7 18 19	20 21	22 23	24 25	26 27	28 29	30 31	1 2	2 3	4 5	6 7	8 9	10 1	1 12 1	13 14	15 16	17 18	19 20	21 22	23 24	25 26	27 28 2	9 30 3 ⁻	1 2	3 4	5 6	7 8	9 10	11 12	13 14	15 16 1	17 18	19 20 2	21 22 2	23 24 2	5 26 27	28
Dredging/Excavation of Submarine Cable)																																												
Trench outside N2 Landing Point																																													
Dredging/Excavation of Submarine Cable																																													
Trench outside N4 Landing Point																																													
Dredging/Excavation of Submarine Cable)																																												_
3 Trench outside N5 Landing Point (Completed)																																													
Dredging/Excavation of Submarine Cable)																																							\top		\top			_
4 Trench outside I1 Landing Point (Completed)																																													
Removing Seabed Obstructions and																																													
5 subsequently backfilling between N2 & N4 Landing Points																																							Ш						
Sweeping on the seabed between N5 & I	1																																												
Landing Points (Completed)																																													
Sweeping on the seabed between N2 &																																$\ \ ^{-}$	$\ \ ^{-}$											$ \mid \mid$	-
N4 Landing Points																																													
Preparation & Installation of Submarine																																													
Cables between N5 & I1																																													
Preparation & Installation of Submarine																E	Prepa	arati	ion	J L	Ш			1									Inst	allatio	n					Ш		Ш	Ш		
Cables between N2 & N4																					T			T						•															1
Backfilling & Cable Protection outside N2																																													
Landing Point																																													
Backfilling & Cable Protection outside N4	.																																												
Landing Point																																													
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Backfilling & Cable Protection outside N5 Landing Point	'																																							\blacksquare		#	+		E
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Backfilling & Cable Protection outside I1																																								ightharpoonup			-		
Landing Point																																\coprod													
<note></note>	1. Sc	ched	ule wi	ll be r	modif	ied du	ue to	the p	rogre	ss of	work	s and	d wea	athei	cond	ditio	ns.																												
	2. No	o act	ivity o	n eve	ery Su	ınday	s and	d Pub	olic Ho	oliday	⁄s (ex	cepte	ed th	e sul	omari	ine c	cable	s ins	stalla	ation)																									