	Outstanding Work Programme		16-8002 OS Work Prog (4 Nov 19)			Ν	Mon 4/11/
ID Tas	k Name	Duration	February 2020	March 2020		April 2020	
1 16/3	8002 Unit 10 Outstanding Work Programme	370 days?	robidary 2020	Maron 2020	I		
2 I	Unit 10 MSB & HRSG	370 days					
3	Superstructure	340 days					
4	Upper Roof	107 days					
10	5/F	14 days					
11	Erect fall arrest system @ rooflight	3 days					
12	Erect remaining external feature and cladding at North of Air Filter Inlet	10 days					
13	Install cat ladder @ rooflight	7 days					
14	Instlallation of toe board for railing@ hoisting well	1 day					
15	4/F	6 days					
16	Additional handrail to overhead crane walkway	3 days					
17	Instlallation of toe board for railing@ hoisting well	1 day					
18	Seal up opening by chequer plates	2 days					
19	3/F	2 days					
20	Instlallation of toe board for railing@ hoisting well	1 day					
21	Seal up opening by chequer plates	2 days					
22	2/F	5 days					
23	Additional and modification of handrail to overhead crane walkway	5 days					
24	Instlallation of toe board for railing@ hoisting well	1 day					
25	Seal up opening by chequer plates	2 days					
26	1/F	3 days					
27	Instlallation of toe board for railing@ hoisting well	1 day					
28	Seal up opening by chequer plates	2 days					
29	M/F +12.15mPD Mainenance Platform	28 days					
33	G/F	11 days					
34	Installation of railing@ Condenser & Lube Oil Tank Room	7 days					
35	Modification of chequer plates of surface channel with pipes installed	10 days					
36	Transformer Area	85 days					
41	Link Bridge	132 days					
50	Others	4 days					
51	Fendolite touch up@ ST2, G-1/F	3 days					
52	Instllation of braille sign on handrail@ ST1 & ST2	3 days					
53	External Works	15 days					
54	EVA North MSB & HRSG	13 days					
55	Curb surrounding Feed Water Pump	6 days					
56	Road base near West & along cable trench	7 days					
57	Road paving near West & along cable trench	10 days					
58	Conduits for streetlight and fs signal	3 days					
59	Road base near East	2 days					
60	Road paving near East	3 days					
61	EVA West MSB	7 days					
62	Road base near South	2 days					
63	Road paving	2 days					
64	Relocate hoarding and Gate 39	3 days					

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9 Erect hoarding and gate 5 days	Roud Furnig				
Dieter now daily and gate of days		-			
VIICE & EATCHAI WORKS 15 UAYS	Lifeet notationing and gate				
Modification of drainage works and reinstatment@ Demin. Plant 13 days	Modification of drainage works and reinstatment@ Demin. Plant	13 days			
	S Work Prog (4 Nov 19) Critical Split		Split Milestone	Summary 🛡 🛡	



Summary of EMIS

Power Station – (Part B of EIA Report)

Construction Phase Mitigation Measures and their Implementation

EM&A Log Ref.	Mitigation Measures	Implementation Status
	AIR QUALITY	
A1	For general construction works, the dust control measures stipulated under the Air Pollution Control (Construction Dust) Regulation shall be complied with, such as:	
	• the haul roads shall be sprayed with water to keep the entire road surface wet.	N/A
	• the load carried by vehicle shall be covered by impervious sheeting to ensure no leakage of dusty materials from the vehicle.	N/A
	• the heights from which fill materials are dropped shall be controlled to a practical level to minimize the fugitive dust arising from unloading.	N/A
A2	For the concrete batching plant, the following control measures are recommended:	
	• loading, unloading, handling, transfer or storage or any dusty materials shall be carried out in a totally enclosed system.	N/A
	• The materials which may generate airborne dust emissions shall be wetted by water spray system.	N/A
	• All receiving hoppers shall be enclosed on three sides up to 3m above unloading point.	N/A
	• All conveyor transfer points shall be totally enclosed.	N/A
	WATER QUALITY	
B1	Silt curtains shall be installed on the eastern, southern and north western sides of the reclamation site during dredging for the reclamation construction. This is a required mitigation measure for the construction works and shall be implemented prior to the commencement of bulk dredging. **	N/A
B3	As a necessary operational constraint combined bulk dredging and sand filling for site formation shall not be permitted at any time. In addition, sand filling for site platform shall take place behind constructed sea walls which pierce the water surface. **	N/A
B4	HEC shall ensure design to divert all storm drains away from Hung Shing Ye Bay.	N/A
B5	Sand fill for the rubble mound seawalls shall be placed by controlled pumping down the trailer arm. **	N/A
B6	EM&A shall confirm the acceptability of any impacts during construction and should any unacceptable impacts be found then one or more of the following mitigation measures shall be implemented: **	N/A
	 reducing the number of dredgers working at any one time; reducing the rate of working of the dredgers; temporary suspension of operations; phasing of the works so that dredging / filling is only undertaken at certain stages of the tidal cycle. 	

Taihei Dengyo Kaisha, Ltd.

EM&A	I ainei Dengyo Kaisha, Ltd. Mitigation Measures	Implementation
Log Ref.		Status
B7	In addition to the above specific measures the following general working procedures shall be adopted. **	
	• fully-enclosed or watertight grabs shall be used to minimise loss of sediment during the raising of loaded grabs through the water column;	N/A
	• the descent speed of grabs shall be controlled to minimise the seabed impact speed and to reduce the volume of over dredging;	N/A
	• barges shall be loaded carefully to avoid splashing of material;	N/A
	• all barges used for the transport of dredged materials shall be fitted with tight bottom seals in order to prevent leakage of material during loading and transport;	N/A
	• all barges shall be filled to a level which ensures that material does not spill over during loading and transport to the disposal site and that adequate freeboard is maintained to ensure that the decks are not washed by wave action;	N/A
	• the speed of trailer dredgers shall be controlled to prevent propeller wash from stirring up the sea bed sediments;	N/A
	• "rainbowing" sand fill from trailer dredgers shall not be permitted; and	N/A
	• the works shall cause no visible foam, oil, grease or litter or other objectionable matter to be present in the water within and adjacent to the dredging site and along the route to the disposal site.	N/A
B8	Cumulative impacts shall be assessed through EM&A. Co-ordination with the EM&A consultants for other projects to determine if any exceedances are caused by the other projects or by HEC's activities. Should monitoring results indicate exceedances at sensitive receivers due to HEC's activities, then the above described mitigation measures shall be implemented until impacts reduce to acceptable levels. **	N/A
	NORE	1
<u>C1</u>	NOISE	
C1	General noise mitigation measures shall be employed at all work sites throughout the construction phase.	С
C2	Mitigate against general construction noise during Sunday's and public holidays, either at source with portable noise barriers, or by rescheduling of some PMEs to less sensitive time periods.	С
C3	Mitigate against night time noise from dredging equipment, with silencers or mufflers. **	N/A
	LANDSCAPE & VISUAL IMPACTS	
D1	The following mitigation measures shall be allowed for landscape and visual improvement:	
	• Use rubble mound seawall along south and west edges of the reclamation to provide a more natural look.	С
	• Break the mass of main buildings by varying the height/division into smaller units.	С
	• Plant trees and vegetation for screening.	С

Taihei Dengyo Kaisha, Ltd.

EM&A Log Ref.	Mitigation Measures	Implementation Status
	Adopt colour scheme to blend the buildings into the scenery.	С
	WASTE MANAGEMENT	
E1	HEC to submit a Waste Management Plan for the construction phase to EPD. The Plan shall be verified by the IEC and shall describe the arrangements for avoidance, reuse, recovery and recycling, storage, collection, treatment and disposal of different categories of waste to be generated from the construction activities and shall take into account the recommendations of the EIA report.	С
	Dredging Waste	
E2	All vessels for marine transportation of dredged sediment shall be fitted with tight fitting seals to their bottom openings to prevent leakage of materials. In addition, loading of barges and hoppers shall be controlled to prevent splashing of dredged material into the surrounding water, and barges or hoppers should under no circumstances be filled to a level which shall cause the overflowing of materials or polluted water during loading or transportation**	N/A
	Storage, Collection and Transport of Waste	
E3	• Minimise windblown litter and dust during transportation by either covering trucks or transporting wastes in enclosed containers.	С
	• Obtain the necessary waste disposal permits from the appropriate authorities, if they are required, in accordance with the Waste Disposal Ordinance (Cap.354), Waste Disposal (Chemical Waste) (General) Regulation (Cap.354), the Crown Land Ordinance (Cap 28), Dumping at Sea Ordinance (Cap 466) and Work Branch Technical Circular No. 22/92, Marine Disposal of Dredged Mud.	С
	• Disposal of waste at Licensed sites;	С
	• Develop procedures such as a ticketing system to facilitate tracking of marine mud and chemical waste, and to ensure that illegal disposal does not occur;	С
	 Segregate and sort the waste materials into 3 categories: public fill (e.g. concrete and rubble) for re-use on-site or disposal at a public filling area; re-use and/or recycling waste (e.g. steel and other metals); waste which cannot be re-used and/or recycled (e.g. wood, glass and plastic) for landfill disposal. The sorting process shall be carefully monitored to avoid missing of the 3 categories. Different types of wastes shall be stockpiled and stored in different containers or skips to enhance re-use or recycling of materials and their proper disposal. Maintain records of the quantities of wastes generated and disposed off-site for each category of waste. 	C C
E4	Chemical waste that is produced, as defined by Schedule 1 of the Waste Disposal (Chemical Waste) (General) Regulation, shall be handled in accordance with the Code of Practice on the Packaging, Handling and Storage of Chemical Wastes	С
		l
	LAND CONTAMINATION	
F1	No land Contamination mitigation measures are required during the construction phase.	N/A

Taihei Dengyo Kaisha, Ltd.

EM&A Log Ref.	Mitigation Measures	Implementation Status
	MARINE ECOLOGY	
G1	All percussive piling works shall be conducted on reclaimed land to avoid noise impact to marine mammals**	N/A
G2	All construction related vessels shall approach the extension site from the north and via the East Lamma Channel to avoid disturbance to the finless porpoise**	N/A
G3	Rubble mound seawall to the south and west edges of the reclamation to enhance recolonisation of marine organisms**	N/A
G4	Artificial Reefs of a volume not less than 400 m ³ shall be deployed in a location to be decided upon consultation with the Director of Agriculture and Fisheries to serve the purpose of an Additional Habitat Enhancement Measure.**	N/A
	FISHERIES	
H1	No Fisheries-specific mitigation measures are required during the construction phase.	N/A
		•
	RISK ASSESSMENT	
I1	No risk mitigation measures are required during the construction phase.	N/A

Remarks:

**	-	No dredging and reclamation work would be involved for L10 construction
С	-	Compliance with mitigation measure
NC	-	Non-compliance with mitigation measure
N/A	-	Not Applicable

N/A - Not Applicable

No.	Description	2020	2020	2020
	Erection Key Date	Feb	Mar	Apr
		т		
		/		
A	HRSG PORTION			
A-01	Install Casing (Bottom/Side/Top) with Structure			
A-02	Upper/Lower Connection Pipe	_		
A-03	Module Install (Bundle Tube Block)			
A-04	Down Commer Pipe			
A-05	Drum Lifting / HDR Level Adjustment			
A-06	Critical Piping/connecting piping (Main Steam, Aux, R/H, HP/LP Feed Water)			
A-07	Other piping			
A-08	Access Platform / Hand Rail			
A-09	Inside Baffle Plate & Seismic Tie Adjust / Setting			
A-10	SCR System			

No.	Description	2020 Feb	2020 Mar	2020 Apr
	Erection Key Date		Indi	Лрі
		Т /		
A-11	Inlet Duct Structure / Include Pipe Rack (U9-U10 Connection)			
A-12	Inlet Duct			
A-12				
A-13	Exhaust Duct Structure			
A-14	Exhaust Duct			
A-15	Aux Equip(B/D Tank, HP/IP Feed Water Pump, LP Eco			
	Recirculation Pump, etc.)			
	HP/IP Feed Water Pump			
	Reserve feed water Tank			
A-16	Insulation			
A-10	insulation			
A-17	Painting			
A-18	Install Catalyst	1		
A-19	Steam Blowing out(other scope) & alkaline boiling out	+		
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				

No.	Description	2020 Feb	2020 Mar	2020 Apr
	Erection Key Date			Apr
		Т /		
		-		
	Installation of Temporary piping, Support & Silencer			
	Excection of Steam blowing out			
	Dismantle of Temporary iping, Support & Silencer			
	Excection of Steam boiling out			
В	GT/ST/GEN PORTION	+		
B-1	Turbine O/H Crane			
B-2	Condenser			
B-3	Install ST			

No.	Description	2020 Feb	2020 Mar	2020 Apr
<u> </u>	Erection Key Date		ividi	
		Т		
B-4	Install GEN			
B-5	Install GT			
l				

No.	Description	2020 Feb	2020 Mar	2020 Apr
	Erection Key Date		IVIAI	
		Т /		
B-6	Aux Equipment			
B-7	Insulation			
B-8	Painting			
B-9	Switchgear/Hoist/Hoist for condenser			

No.	Description	2020 Feb	2020 Mar	2020 Apr
	Erection Key Date		Ivial	
		T /		
		1		
C	ERECTRICAL & INSTRUMENTATION PORTION			
C-1	Transformer & Ancillaries (G Tx, U Tx, Ex Tx, SFC Tx)			
C-2	EQUIPMENT INSTALLATION			
	Generator & Ancillaries			
	Isolated Phase Busducts			
	Switchgear and Accessories			
	UPS, Batterys, Battery Charger System & DBs			
	Electrical Panels & Local Control Panels			
	Control Systems, Control Panels, Local Instrument Cubicle & Rack			
	Channel Base Installation			
C-3	CABLING SYSTEM INSTALLATION			
	Cable Ladder / Tray Installation			
	Conduit Pipe Installation			
	Earthing Installation			
	Cable Laying & Termination			
	Fire Resistant Sealing			
	Cable Trench Opening & Transportation	<u> </u>		

No.	Description	2020	2020	2020
	Erection Key Date	Feb	Mar	Apr
		Ţ		
		(
C-4	INSTRUMENTS, INSTR. PIPINGS & AIR TUBE			
	Local Instruments, Piping & Tubing			
	Instrument Calibration			
C-5	OTHER WORK			
	275kV Shunt Reactor Relocation			
	Turbine Overhead Crane, Hoist, Battery Power Supply			
	Existing CWP etc.			
	BOP & Other Works			
	Site Cleaning			
C-6	TESTING & COMMISSIONING			
		-		
	Testing & Commissioning			
	Commissioning Assistant			

	Task Name	Duration		February 2020 March 2020
	Civil and Building Works for Unit 11 and Assoicated Works	<u>1197 days</u>		
2	Contract Key Dates	<u>1197 days</u>		
3 4	Contract Commencement Date Completion Dates	0 days 1044 days	_	
5	Section A1 - Ground treatment installation works at Zone 1A	0 days		
;	Section A2 - Ground treatment installation works at Zone 1B	0 days	-	
	Section A3 - Ground treatment installation works at Zone 2	0 days		
	Section A4 - Ground treatment installation works at Zone 3	0 days		
	Section A5 (i) - Ground treatment installation works at Zone 4 - Band drain installation	0 days		
	Section A5 (ii) - Ground treatment installation works at Zone 4 - Surcharge filling	0 days		
	Section A6 (i) - A&A Works for No. 4 C.W. Outfall at Area E18	0 days	_	♦ (Section AC (ii)) External works at Area E4E
_	Section A6 (ii) - External works at Area E15	0 days	-	Section A6 (ii) - External works at Area E15 Section B1 (i) - Area south of L11 MSB and HRSG from GL1
_	Section B1 (i) - Area south of L11 MSB and HRSG from GL11-F eastwards leading to Chimney Road at Area E1 & E2	0 days		◆ Section B1 (i) - Alea south of L11 MSB and fixed from GL1
	Section B1 (ii) - Supporting structures for overhead cranes of L11 MSB including the associated roof structure except the roof deferred works	0 days		
;	Section B1 (iii) - FSRU Civil works at Area E13	0 days	-	
+	Section B2 - Retractable Cover D at Area E22	0 days	-	
+	Section B2 - External works at Area B1, D2 and D4	0 days		
	Section C1 - Area south of L11 MSB from GL11-F westwards leading to Station Road at Area E3(A) & E3(B)	0 days		Section C1 - Area south of L11 MSB from GL11-F westward
	Section C2 - (i) Southern part of L11 HRSG area and its surrounding at Area E7 except the deferred works for Lube Oil Storage Tank	0 days	ank	
	Section C2 - (ii) L11 Turbo Block foundation including the L11 MSB ground floor together with the equipment foundations between GL 11-F to 11-H and 11-1 to 11-6 for the installation of power generator, air inlet duct and lube oil reservoir	0 days		
	Section C2 - (iii) G/F of L11 MSB including the Condenser Pit, Circulating Water Pipe Pit and equipment foundations between GL 11-B to 11-C and 11-1 to 11-6 for the installation of condenser	0 days		♦ Section C2 - (iii) G/F of L11 MSB including the Condenser F
	Section D - (i) Roads and external grounds surrounding L11 MSB and L11 HRSG in addition to the southern & eastern areas mentioned above in Area E5 and E6	0 days	and	L11 HRSG in addition to the southern & eastern areas mentioned above in Area E5 and E6
-	Section D - (ii) Remaining northern part of L11 HRSG area and its surrounding in Area E6	0 days		♦ Section D - (ii) Remaining northern part of L11 HRSG area a
	Section D - (iii) Whole of L11 MSB including the pipe and cable rack along south façade of L11 MSB with all underground utilities at Area E4 including C.W. Inlet and Outlet Culvert except the deferred works	0 days		
	Section D - (iv) Link Bridge between L10 and L11 MSB and at the south of L11 MSB including their associated alternations & additions (A&A) Works at L10 MSB	0 days		
	Section D - (v) Gas Duct Foundation, Pipe and Cable Rack and associated trench in Area E20	0 days	*	Section D - (v) Gas Duct Foundation, Pipe and Cable Rack and associated trench in Area E20
	Section E1 - (i) Link BrIdge and Pipe and Cable Rack connecting L11 MSB to the western area of L11 MSB at Area E3	0 days		
	Section E1 - (ii) Gas Receiving Station and L11 Gas Receiving Station Equipment Room (GRS) Area Extension at Area E16	0 days		
	Section E1 - (iii) External Works at Area E15 (C)	0 days	_	
	Section E2 - Pipe and Cable Rack and trench at west of Chimney Road and Pipe and Cable Rack at south of Middle Road at Area E8 and E19	0 days		
	Section E3 - Gas Pipe Support Foundation and Pipe Trench and associated external works at Area E14, E15 (A) and E15 (B)	0 days		
	Section E4 - 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (A)	0 days		
	Section F - 275kV Station Building Extension and associated works at Area E17	0 days		
	Section G - A&A Works at No. 4 C.W. Intake at Area E12	0 days		
1	Section H - L11 Steel flue liner at No. 4 Chimney	0 days		

	Appendix J
	Refer to CEM dated 26March2019
	April 2020
Sectior	A6 (i) - A&A Works for No. 4 C.W. Outfall at Area E18
11-F ea:	stwards leading to Chimney Road at Area E1 & E2
ting stru	uctures for overhead cranes of L11 MSB including the associat
*	Section B2 - Retractable Cover D at Area E22
ds leadi	ng to Station Road at Area E3(A) & E3(B)
Pit, Cir	culating Water Pipe Pit and equipment foundations between G
and ite	surrounding in Area E6
	Surrounding in Area Eo

	ask Name	Duration		February 2	020			March 2020		
36	Section I - (i) 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (B)	0 days								
7	Section I - (ii) Interconnector 2 Trench Modification Works at Area E10	0 days	-							
В	Section J - (i) Demolition of Retractable Cover A&B & (ii) Foundation of LMX Light Oil Storage Tank Nos. 3 & 4 and A&A for Existing Bund Wall at	0 days								
9	Section K1 - External works at Area 15 (E) and 15(F)	0 days	-							
)	Section K2 - Removal of Southern Bund and External Works at Area D5, D6 and D7	0 days	_							
1	Section K3 - All remaining works shall be completed for reporting completion to BD and ready for OP inspection	0 days	_							
2	General & Preliminary	<u>318 days</u>								
3	Set up Temporary Site Office and Utilities	90 days	1							
	Permit Applications & Statuary Submissions	120 days	-							
5	Existing Utilities scanning & Excavation Permit	45 days	-							
5	Tower Crane erection 2@MSB, 1@ 275	50 days	-							
7	Submission and Approval	554 days								
3	Method Statement / Temp Work Submission & Approval from HEC for General Works	240 days								
)	BD Approval & Consent (If required)	120 days	1							
)	BIM Model, CSD & CBWD Submission & Approval from HEC	200 days	1							
	Structure Steelwork Connection Design Submission & BD Approval	60 days	-							
	Structure Steelwork Shop Drawing & Approval	60 days	-							
	Metal Cladding, louvre & windows submission & BD Approval	60 days	1							
	Metal Cladding, louvre & windows shop drawing submission	60 days	1							
	Order, Off Site Fabrication and Delivery (S. Steel & Cladding & louvres)	180 days	1							
;	Retractable Cover D BD Submission & Approval	90 days	-							
,	No. 4 C.W. Outfall A&A BD 1st Submission	90 days	-							
	Sumission & Approval of Steel Flue Assessment Report and Design Drawings	60 days	-							
)	Submission and Approval of Steel Flue Design from BD	60 days	-							
)	Material Fabrication & Delivery for L11 Flue	100 days	-							
	Folding Shutters Shop Drawing Submission & Approval	120 days	-							
	Fabrication & Delivery of Folding Shutters	150 days	-							
;	Sewage Pump System Design submission & approval	90 days	-							
L	Fabrication & Delivery of Sewage Pump	180 days	-							
5	Other material submission & approval & delivery	300 days	-							
;	Coordination with the Employer's Specialist Contractors	478 days	<mark>ο</mark> κ							
·	Installation of Puddle Pipes at C.W. outlet Culvert	7 days								
;	Installation of Puddle Pipes at C.W. Inlet Culvert	7 days	-							
	Template setting at L11 Turbo Block Foundation	60 days					-	Template setting a	t L11 Turbo Blo	ock F
	Template setting of holding down bolts at HRSG column base	46 days	-							
	I-beam / channel base installation on top of transformer foundations at Transformer Area	30 days	-							
	Overhead crane erection at turbine hall using access through a temporary opening at L11 MSB roof between GL11-G to 11-H and 11-2 to 11-6	36 days	ss th	rough a temporary opening at	L11 MSB roof between G	L11-G t	o 11-H and 11-2	to 11-6		
	Condenser assembly and erection using access through a temporary façade opening at L11 MSB below 1/F along GL 11-6 from GL11-B to 11-C including	127 days	_							
	a clear space below 1/F between GL 11-B to 11-C					IL				
	Installation of power train equipment including air inlet duct using access through a temporary façade opening at L11 MSB below 1/F along GL 11-6 from	142 days	1							
	GL11-F to 11-H including a clear space below 1/F of the above area Installation of embedded materials such as holding down bolts for equipment	30 days	_							
	foundations - Commencement Section A1 & A2 - Ground treatment at Zone 1A & 1B	<u>92 days</u>								
	Plant establishment for earthworks	7 days	1							
	Backfilling and compaction from existing ground +4.5mPD to +5.5mPD	45 days	1							
	Delivery of band drain	5 days	1							
	Plant establishment for band drain (1st rig)	10 days	1							
	Plant establishment for band drain (2nd rig)	7 days	-							
	Plant establishment for band drain (3rd rig)	7 days	1							
					·		·			

			Appendix J
		Refer to CEM dat	ed 26March2019
		April 202	20
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ound	ation		
			4

וט	Fask Name	Duration	-			200			http://www.com	
33	Vert. Band drain installation (1023 nos. x 44m)	45 days			February 20)20			March 2020	
34	Deposition of surcharge up to +8.3mPD	45 days								
35	Section A3 - Ground treatment installation works at Zone 2	158 days								
36	Backfilling and compaction from existing ground +4.5mPD to +5.5mPD	30 days								
37	Delivery of band drain	6 days								
38	Vert. Band drain installation (1787 nos. x 44m)	50 days								
39	Deposition of surcharge up to +8.3mPD	60 days								
90	Additional Concrete Blocks + Extra Surcharge	60 days								
91	Section A4 - Ground treatment installation works at Zone 3	<u>131 days</u>								
92	Backfilling and compaction from existing ground +4.5mPD to +5.5mPD	12 days								
3	Vert. Band drain installation	60 days								
94	Deposition of surcharge up to +8.3mPD	45 days	_							
95 96	Possession of Part 1 Defer portion at Zone 3 Vert. Band drain installation	0 days 10 days	_							
7	Possession of Part 2 Defer portion at Zone 3	0 days								
8	Vert. Band drain installation	7 days								
9	Surcharge at deferred portion	14 days								
00	Section A5 (i) - Ground treatment installation works at Zone 4	<u>83 days</u>								
01 02	Site Preparation for Vertical Band Drain	3 days								
_	Band drain installation Possession of Defer portion at Zone 4	21 days 0 days	_							
)3)4	Vert. Band drain installation	28 days								
)5	Section A5 (ii) - Surcharge works at Zone 4	30 days								
6	Deposition of surcharge up to +8.3mPD	30 days								
7	Section A6 (i) - A&A Works for No. 4 C.W. Outfall at Area E18	493 days	۶C.	. <mark>A6(</mark> i)						- 2
8	BD Amendment, resubmission & approval for Jacking Pit	170 days								
)9	Consent for Jacking Pit ELS	28 days								
0	Mobilization	0 days								
1	Jacking Pit Sheetpile Installation (incl. Stop work notice + CNY)	60 days								
2	Protective screen and preventive measure for U9 gas pipeline (VO)	28 days	_							
3 4	Provision of temp support for U10 gas pipeline (VO) upon RMA allow access ELS of jacking pit	28 days 30 days								
15	Pipe Jacking set up & ground strengthing	18 days	_							
16	Pipe Jacking set up & ground strengthing Pipe Jacking	90 days	_							
7	Receiving Pit BD Approval	170 days	_							
8	Consent for Pipe & Sheet pile	28 days								
9	Receiving Pit Pipe & Sheet pile installation	30 days								
0	Consent for Receiving Pit ELS	28 days								
1	ELS of Receiving pit	40 days	_							
2	Allow modify existing outfall manhole for pipe jacking receiving	18 days	_		Cultoret	Dine Intelletion 9 :	watar taat			
3	Culvert Pipe Intallation & water test	55 days			Cuivert	Pipe Intallation & v		onaction Manh	alo of looking Dit	backfill (Area E3(A))
.4 25	Inspection Manhole at Jacking Pit + backfill (Area E3(A))	18 days	_				•	spection mann	ole at Jacking Fit +	M
26	Manhole extension at Outfall no. 4 + backfill + Reinstate of Outfall Rd	45 days	_							
b 7	Sheetpile for L12 Outlet culvert (Connection to Jacking Pit) Consent + ELS for remaining jacking pit	45 days 75 days	_							
8	Outlet Culvert pipe installation + Thrust Box (remaining portion at A1 Area)	45 days	a))						
9	Sheet pile for future extension along GRS	60 days		,						
0	Section A6 (ii) - External works at Area E15(D)	<u>37 days</u>			• 1	5 Feb '20				
1	Arae possession & Clearance	6 days								
2	Road & Surface Works	31 days			R	oad & Surface Wo	rks			
3	Section B1 (i) - Area south of L11 MSB and HRSG from GL11-F eastwards	<u>375 days</u>	C.	B1(i)				1 Mar '20		
	leading to Chimney Road at Area E1 & E2									
4	Area Possession & Clearance	0 days								
5	Excavation for CW Inlet Culvert (South of L11 HRSG)	21 days								
6	Installation CW Inlet Culvert pipe	30 days								
7	Construction of Thrust Box & Manholes,etc	14 days								
8	Backfill	21 days								
9	Install underground utilities	45 days			× -					andonoon Marris (EA)
0	Backfill and Temporary paving for Condensor Move in (E1)	14 days	_						1	ondensor Move in (E1)
1	Backfill and Temporary paving for Condensor Move in (others)	30 days		D4 /				ackfill and Tem	1	ondensor Move in (othe
2	Section B1 (ii) - Supporting structures for overhead cranes of L11 MSB	<u>482 days</u>	C.	B1(i)						17 Mar '20
2	including the associated roof structure except the roof deferred works	0.1								
3	Area possession & Clearance	0 days								
.80	02 Master Prog Rev 3 Task Split	Mile	esto	ne 🕯	Summa	rv 🛡				
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			Appendix J
		Refer to CEM dat	ed 26March2019
		April 202	20
• -	28 Mar		
) M	lanhole	e extension at Outfall no. 4 + bacl	fill + Reinstate of Outfall Rd

onti	act No. 17/8002 Lamma Power Station Extension Civil and Building Work	s for Unit	L11	17-8002 Master Prog Rev 3	Refer to CEM dated 26March20
ד כ	ask Name	Duration		February 2020 March 2020	April 2020
4	Erection of turbine hall roof except defer work	0 days			
5	Installation of crane griders	21 days			
6	Turbine hall wall claddings	60 days		Turbine hall wall claddings	
7	Section B1 (iii) - FSRU Civil works at Area E13 (GRS)	<u>151 days</u>			
3	Submission and approval for consent to work	0 days	_		
)	Civil & Building Works	130 days	_		
' 	Ground reinstatement	21 days	c.B2		31 Mar '20
2	Section B2 - Retractable Cover D at Area E22 Area Possession, Demolition and clearance work	435 days 60 days	C.DZ		
3	Revise Structural Form and BD resubmission & approval	150 days	-		
•	Foundation construction	60 days	-		
5	Backfill & Ground reinstatement	30 days			
5	Superstructure fabrication & delivery	90 days			
7	Superstructure erection	90 days		Superstructure erection	
3	E&M Installation and T&C	45 days			E&M Installation and T&C
)	Section B3 - External works at Area B1, D2 and D4	<u>416 days</u>	c.B3		
)	Receive Area from HKE, Area Possession & Clearance	0 days			
1	Removal of existing paving for band drain under Section A5(i)	30 days	4		
2 3	Complete Vert. Band drain under Section A5(i)	0 days	-		
	Ground preparation for B1, D2 & D4 for handover to Plant contractor	90 days	c.C1	Mar '20	
	Section C1 - Area south of L11 MSB from GL11-F westwards leading to Station Road at Area E3(A) & E3(B)	<u>466 days</u>			
;	Area Possession & Clearance	0 days			
5	Excavation for Type C (Area E3A)	21 days	-		
7	Installation CW Outlet Culvert Pipe connect to Type C1	21 days 21 days	-		
;	Installation CW Inlet Culvert ripe (South of L11 Condensor)	21 days 21 days	-		
)	Construction of Thrust Box	10 days	-		
)	Construction of Access Manhole	21 days	-		
1	Backfill	14 days	-		
2	Construction of Underground drainage and utilities	60 days	;		
3	Construct Temp Paving for Condenser move in	45 days		€ onstruct Temp Paving for Condenser move in	
4	<u>Section C2 - (i) Southern part of L11 HRSG area and its surrounding at Area</u> <u>E7 (No Defer Foundations)</u>	<u>295 days</u>	c.C2(
5	Area Possession & Clearance	0 days			
6	Excavation & Pile Caps & Tie Beams (HRSG South Area E7)	45 days	_		
7	Construction RC foundations	45 days			
3	Construction RC plinths	30 days	_		
9	Construction underground utilities	45 days	_		
)	Backfill & Construction on-grade slabs	35 days	_		
1 2	Backfill and Temporary paving	21 days	c.C2		
2	Section C2 - (ii) L11 Turbo Block foundation including the L11 MSB ground floor together with the equipment foundations between GL 11-F to 11-H and	<u>496 days</u>	0.02		
	11-1 to 11-6 for the installation of power generator, air inlet duct and lube oil				
	reservoir				
3	Area Possession & Clearance	0 days	7		
4	Excavation & Pile Caps & Tie Beams (MSBL11 - Turbo Block North)	70 days			
5	Excavation & Pile Caps & Tie Beams (MSBL11 - Turbo Block South)	30 days			
	Backfill and construction turbine block foundations	21 days			
'	Construction of internal drainage	60 days			
3	Construction RC walls incl. G/F rooms Construction turbine block columns and upper portion for plant embed	90 days 21 days	-		
	installation	-			
)	Concrete Turbine upper part foundation & clear falsework	52 days			
1	Section C2 - (iii) G/F of L11 MSB including the Condenser Pit, Circulating Water Pipe Pit and equipment foundations between GL 11-B to 11-C and 11-1	<u>466 days</u>	c.C2(i) — 1 Mar '20	
	to 11-6 for the installation of condenser				
2	Area Possession & Clearance	0 days			
3	Excavation to foundation level at ELS Type A	18 days			
4	Construction of CW Outlet Box + lowest tie beam & caps	40 days			
5	Construction of pile caps & tie beams & hot well sump pit up to +2.5mPD	30 days			
		Mile		Summary V	

ID	Fask Name	Duration							
196					February 2020			March 2020)
190	Backfill & Construction of CW Inlet Box + tie beams	18 days							
198	Backfill and Construction ground beams & trenches Construction of indoor underground drainage	18 days 12 days	_						
99	Backfill & construction on-grade slabs	12 days 10 days	_						
00	Construction Column casting and RC walls	30 days	-						
201	Metal Cladding & Louvres for GLB-C/1-6	60 days			Metal Cladding & Louvres f	for GLB-C/1-6			
202	Mis. Works for plant erection	24 days	_				Mis. Works fo	or plant erection	
203	Section D - (i) Roads and external grounds surrounding L11 MSB and L11	414 days	c.D(i)						
	HRSG in addition to the southern & eastern areas mentioned above in Area								
	E5 and E6								
204	Area Possession & Clearance	14 days							
205 206	Excavation for Type C1 and open sheet pile Install CW Outlet pipe & connect to prevous	75 days 21 days	_						
207	Backfill	10 days	-						
208	Undeground utilities and trenches	60 days	_						
209	Construction of plant drainage, trenches & RC plinths	45 days	_						
210	Remaining Undeground utilities & backfill (West of Tx Bay)	75 days	_						
211	Section D - (ii) Remaining northern part of L11 HRSG area and its	375 days	c.D(ii)			📕 Mar '20		
	surrounding in Area E6								
212	Area Possession & Clearance	0 days							
213	Excavation & Pits & Pile Caps & Tie Beams (HRSG north Area E6)	45 days							
214	Construction RC foundations	45 days							
215	Construction RC plinths & HRSG Lift Pit & internal drainage	60 days	_						
216	Backfill Construction on-grade slabs	28 days	_						
217	Construction underground utilities	45 days	_		Ba	oldill Domoining utilities			
218 219	Backfill, Remaining utilities and temporary paving Touch up and site clearance	85 days 13 days			Ba	ckfill, Remaining utilities		d site clearance	
219	Section D - (iii) Whole of L11 MSB including the pipe and cable rack along	<u>526 days</u>	c.D(ii	i			Touch up and	u site clearance	
	south façade of L11 MSB with all underground utilities at Area E4 including	<u>520 uuys</u>		1					
	C.W. Inlet and Outlet Culvert except the deferred works								
221	Area Possession & Clearance	0 days							
222	Construction of pile caps & tie beams at Transformer Area	60 days							
223	Excavation & Construction Blow Down Sum pit (Type B)	45 days							
224	Construction of pile caps & tie beams at SunShadeCover Area	45 days							
225	Preaparation for S.Steelwork Erection	14 days							
226	Structural Delivery & Erection (Turhine Hall North fr G.L. 1-3/H->B)	30 days							
227	Structural Delivery & Erection (Equipment Floors)	45 days	_]				
228 229	Structural Delivery & Erection (Turbine Hall South)	45 days	_						
229	Fire Coating Application at Joint	120 days	_						
230	External Scaffolding Erection Construction 1/F RC Slab	150 days	_						
232	Construction M/F RC Slab	14 days 7 days							
233	Construction M/F RC Slab	14 days	_						
234	Construction 2/F RC Slab	14 days	_						
235	Construction 4/F RC Slab	14 days	_						
236	Construction 5/F RC Slab (Roof of turbine hall, except defer portion)	30 days	_						
237	Construction Roof RC Slab	14 days							
238	Construction Upper Roof RC Slab	12 days							
239	Construction Defer Roof RC Slab (G.L. G-H)	30 days			<mark>- Constru</mark>	uction Defer Roof RC Sla	b (G.L. G-H)	ſ	
240	Construction of Staircase ST-01 & lift shaft & machine room	120 days							
241	Construction of Staircase ST-02 except defer work	76 days	pt defe	er wor					
242	Construction of RC plinth, kerbs & parapet Walls	30 days						Construction of RC pli	inth, kerbs & parapet Wa
243	Erection of Skylight & Roof Features	45 days	_						
244	Waterproofing & Flooring at Roof	60 days						Wa	terproofing & Flooring
245	ABFW Works from 1/F to 5/F equipment rooms	150 days							Motol Cladding Wind
246 247	Metal Cladding, Windows and Louvres incl. roof feature	100 days							Metal Cladding, Window
247	Removal of external scaffolding	60 days							
240	Building Services E&M Access & Installation Remaining and Mis. works for Plant erection Full Access	150 days 18 days							
49		To uays							
7-80	02 Master Prog Rev 3 Task Split Split	Mile	stone	♦	Summary 🛡	V			
						5 of 8			

Appendix J Refer to CEM dated 26March2019 April 2020 Walls Erection of Skylight & Roof Features ng at Roof ABFW Works from 1/F to 5/F equipment rooms ows and Louvres incl. roof feature Removal of external scaffoldi Building Services E&M Access & Inst

D	Task Name	Duration				Februar	ry 2020 March 2020
50	Section D - (iv) Link Bridge between L10 and L11 MSB and at the south of	526 days	c.D(i	iv)		Februar	
	L11 MSB including their associated alternations & additions (A&A) Works at						
	<u>L10 MSB</u>						
51	Area Possession & Clearance	0 days					
52	A&A works at South of L10 MSB	60 days			A&A	works at Sou	uth of L10 MSB
53	Erection of link bridge structural steel	21 days	_				Erection of link bridge structural steel
54	Casting of bridge deck	7 days	_				Casting of bridge deck
55	Metal roofing installation	14 days	_				Metal roofing in
56	ABWF work	21 days	_				
57	Form new opening at MSB for final connection	14 days	_				
58	E&M Work for completion	21 days			100		
59	Section D - (v) Gas Duct Foundation, Pipe and Cable Rack and associated	<u>345 days</u>	CID(1	v)i-eb	0 20		
50	trench in Area E20 Area Possession & Clearance + CNY	0 dava					
50 51		0 days	_				
52	Sheet pile installation & submit as-built Consent for excavation	75 days	_				
52 53		28 days	_				
53 54	Excavation & plate load test	45 days	_				
54 65	Construction of foundation Real fill & Underground utilities	45 days	_				
55 56	Backfill & Underground utilities Remaining Pipe & cable rack and associated trenchs in Area E20	30 days 115 days		emai	inina Pin	e & cable rack	k and associated trenchs in Area E20
50 57				eman			
,,	Section E1 - (i) Link BrIdge and Pipe and Cable Rack connecting L11 MSB to the western area of L11 MSB at Area E3	<u>263 days</u>					
58	Area Possession	0 days					
59	Excavation & construction of new foundation	40 days					Excavation & construction of new foundation
70	Backfill	10 days					Backfill
71	Erection of Structural steel	30 days	_				
72	Backfill & Ground works	55 days	_				
73	Section E1 - (ii) Gas Receiving Station and L11 Gas Receiving Station	<u>173 days</u>					
	Equipment Room (GRS) Area Extension at Area E16	<u>175 uays</u>					
4	Area Possession	0 days					
75	Removal of Surcharge and excavation	14 days	on				
76	Modification of Site Drainage	45 days					Modification of Site Drainage
77	Construction of new RC for GRS Equipment Room	75 days					
78	ABWF for GRS Equipment room	45 days	_				
79	E&M Installation	45 days	-				
30	Construction of new Gas pipe plinths & racks	45 days	-				
31	Backfill and construction site drainage	21 days					
32	External Paving and install new fencing	60 days					
33	Section E1 - (iii) External Works at Area E15 (C)	273 days					
34	Removal of Surcharge and excavation	45 days					
35	Underground drianage, Utilities and RC plinths	123 days					
36	Backfill and install surface utilities	45 days					
37	Roadwork	60 days					
38	Section E2 - Pipe and Cable Rack and trench at west of Chimney Road and	495 days	c.E2				
	Pipe and Cable Rack at south of Middle Road at Area E8 and E19						
39	BD consent + Site Possession @ Area E8	0 days					
90	Excavation & Plate load test	60 days	_				
91 92	Foundation and Trench constructions	90 days 60 days	_				
92 93	Backfill & underground utitiles + temp paving Excavation & plate load test @ E19				Excav	ation & nlate l	load test @ E19
)4	Construction of foundations & trenches	60 days					Constructio
95	Backfill & underground utitiles	45 days	_				
96		60 days	_				
90 97	Pipe & cable rack Erection Ground reinstatement	60 days 60 days	_				
8	Section E3 - Gas Pipe Support Foundation and Pipe Trench and associated	173 days					
-	external works at Area E14, E15 (A) and E15 (B)	<u>175 uays</u>					
9	Removal of surcharge / site clearance	21 days	le / si	ite cle	learance		
0	Excavation & construction of pipe trench	30 days					Excavation & construction of pipe trench
1	Construction of gas pipe support foundation	30 days					
)2	Construction of underground drainage and utilities	60 days	-				
	construction of underground dramage and autitude	00 uu yo					
	02 Master Prog Rev 3 Task Split			<u> </u>			nmary 🛡
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Appendix J Refer to CEM dated 26March2019
April 2020
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ation ABWF work
Form new opening at MSB for final connect
Construction of new RC for GRS Equipment Roon
Construction of new Gas pipe plinths & racks
Back
foundations & trenches
Construction of gas pipe support foundation

ן כ	Task Name	Duration	-		February 2020 March 2020
)3	Backfill & road work	32 days			
)4	Section E4 - 275kV cable trenching works connecting the 275kV Switching	<u>185 days</u>			
	Station Extension and L11 MSB at Area E9 (A)				
)5	Site possession	0 days	_		
06	Obtain Permit to work & Road close permit	10 days			
)7	Excavation & construction new cable trench to 275kV	45 days			
)8	Excavation & construction new cable trench to L11MSB	130 days			
)9	Section F - 275kV Station Building Extension and associated works at Area	<u>709 days</u>	c.F	F	
	E17	<u>107 uuys</u>			
10	Installation of ELS for 275kV Switching Station near Staircase ST-3 and ST-6	14 days			
11	Construction of Staircase ST-3	110 days	_		
12	BD Amendment Approval on A&A	0 days			
13	BD Amendment Approval on A&A ST3 & Drainage	0 days			
14	OP inspection of Staircase ST-3	14 days			
15	Consent of New Foundation Works (Stage 1)	0 days			
16	Consent & BA10 for Demolition of Existing Staircase	0 days			
17	Demolition of Exisiting Staircase and Submit BA14A	14 days			
18	BD inspection for BA14A & Issue OP	28 days			
19	Consent & BA10 for New Foundation Work (Stage 2)	28 days	_		
20	Hoarding Modification	7 days	_		
21 22	Pile Cap & Tie Beam Construction (Stage 1) Erection of Tower Crane	98 days 40 days	_		
22	Pile Cap and Tie Beam (Stage 2)	40 days 21 days	_		
23	RC Construction up to 1/F (Stage 1)	30 days	_		
25	RC Construction up to 1/F (Stage 2)	75 days	_		
26	Construction of Staircase ST6	90 days			
27	Shop Drawing Submission & Approval of Structural Steel	45 days			
28	Structural Steel fabrication & Delivery	60 days			
29	Erection of Structural Steel GL 17~18	30 days			
30	Erection of Structural Steel GL 8~17	60 days			
31	Metal Cladding Delivery	60 days			
32	Metal Door, Window & Lourve Delivery	45 days			
33	Erection of Working Platform and Scaffold	150 days	_		
34		60 days	_		
35	RC Walls from 1/F @ GIS Hall	40 days	_		
36 37	Construction of 2/F RC slab Construction of R/F RC slab	14 days	_		
38	Construction of UR/F RC slab	21 days 14 days			Construction of UR/F RC slab
39	Construction of GIS Hall Floor	60 days	0000		
40	Installation of Overhead Crane (By JEC)	60 days	10000		
11	Construction of staircase ST4, ST5, Lift Shaft & Equip Floors	150 days			Construction of staircase ST4, ST5, Lift Shaft & Equip Floors
12	Lift Installation	90 days			
13	Concrete of RC walls, plinths, kerb & parapet walls & New trench for LV Power	30 days		 (Concrete of RC walls, plinths, kerb & parapet walls & New trench for LV Power
14	ABWF Works @ G/F	50 days			
15	ABWF Works @ 1/F	50 days	_		
16	ABWF Works @ 2/F	75 days			ABWF Works @ 2/F
17	ABWF Works @ R/F	30 days			ABWF Works @ R/F
18	ABWF Works @ UR/F	21 days	_		ABWF Works @ UR/F
19 50	Waterproofing Works at R/F & UR/F Building Services E&M Access & Installation & T&C	45 days			Waterproofing Works at R/F & UR/F
51	Metal Cladding, Windows and Louvres incl. Roof Feature	150 days 90 days			
52	Shutter Erection	30 days			
53	Removal of External Scaffolding + Tower Crane	35 days	_		
54	External Underground Drainage and Utilities	30 days			
55	Road & Paving Reinstatement	30 days			
56	Ready for FSD & OP Inspection	0 days			
57	Section G - A&A Works at No. 4 C.W. Intake at Area E12	143 days			
58	Permit to work	0 days			
59			_		
	Erection of temp. platform	14 days			 □ Demolition work
50	Demolition work	30 days			
51	Modify existing slab openings	75 days			
62	Curing + Removal of platform	24 days			
33	Section H - L11 Steel flue liner at No. 4 Chimney	186 days			
64	Complete erection of L10 Steel flue	0 days			
65	Modification of erection equipment	21 days			
56			_		
	Erection temp. platform and demolition work	30 days	_		
67	Structural steel delivery & Erection	85 days	_		
68	Removal of temp. work	5 days			
59	Reinstate G/F louvre wall and access door	45 days			
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April	2020
rs	
R/F & UR/F	
	Building Services and Louvres incl. Roof Feature

	ask Name	Duration		February 2	020 March 2020
370	Section I - (i) 275kV cable trenching works connecting the 275kV Switching Station Extension and L11 MSB at Area E9 (B)	<u>232 days</u>	e.l(i)		JZU March 2020
371	Obtain Permit to work & Road close permit	0 days			
72	Excavation & construction new cable trench	160 days			Excavation & construction new cable trench
73	Re-excavate cable trench for cable laying	72 days			
574	Section I - (ii) Interconnector 2 Trench Modification Works at Area E10	275 days			1 A;
75	Obtain Permit to work & Road close permit	0 days			
76	Re-excavate & new cable trench for cable laying	275 days			
7	Section J - (i) Demolition of Retractable Cover A&B & (ii) Construction of new LOT 3 & 4	<u>426 days</u>			1 Mar '20 USec.J
78	Obtain permit to work & Road close permit	0 days			♦ Obtain permit to work & Road close permit
79	Erection of Hoarding	21 days			Erection of He
30	Removal of existing cover & structural steel	30 days			
81	Demolish of existing bund wall and staircases	45 days			
32	Demolish of existing slab & foundation	60 days			
33	Consent for new work	30 days			
34	Construction of new bund wall and foundation	100 days			
35	Construction of new oil separator	80 days			
86	Construct underground drainage and surface channel	40 days			
37	Construction on-grade slab	60 days			
38	Removal of hoarding and ground reinstatement	40 days			
39	Section K1 - External works at Area 15 (E) and 15(F)	<u>365 days</u>			
90	Removal of surcharge	30 days			
91	Construct new drainage and utilities work	200 days			
92	Road & Paving	135 days			
93	Section K2 - Removal of Southern Bund and External Works at Area D5, D6 and D7	<u>365 days</u>			
94	Demolition work	30 days	_		
95	Construct new drainage and utilities work	200 days			
96	Road & Paving	135 days			
97	Section K3 - All remaining works shall be completed for reporting completion	<u>623 days</u>			
98	to BD and ready for OP inspection (PS1.4.4)	20 4			completion of remaining roof after over headcrane move in
99	Completion of remaining roof after over headcrane move in	30 days			ompletion of remaining roof after over neadclane move m
00	Construction of G/F Lube Oil Tank Room (BY TDK) Construction of wall and staircase at G/F after Condensor Move in	61 days 90 days			
)1	Construction of Wall and staticase at G/F after Condensor Move in Construction of Durasteel Steel wall panel after IBP installation	30 days	_		
2	Construction of Transformer fence wall, cladding & associated FS services	122 days			
)3	Final restatement of road & paving around MSB & HRSG	122 days	_		
)4	Installation of trench covers and gratings after plant installation	151 days	_		
05	Backfill and reinstatement after 275kV cable laying	122 days			

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Task

Split Milestone 🔶

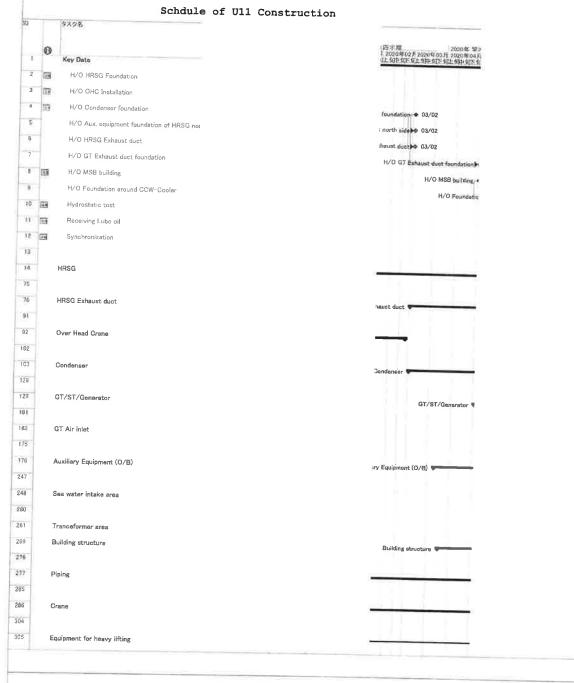
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or '20	₩ Sec.I(ii)
L	Obtain Permit to work & Road close permit

barding

Removal of existing



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SUNLEY ENGINEERING & CONSTRUCTION CO., LTD.

Contract No. 18/8004 - Lamma Power Station Extension Foundation Works for Unit L12

Master Programme

				Mas	
D	Task Name	Duration	Start	Finish	2019年 2020年
					-
	Key Date	416 days		4月30日星期四	
2	Commencement date	0 days	3月12日星期二		
	Duration of works	416 days	3月12日星期二		
	Site possession date	0 days	3月12日星期二		
	Completion of the Contract	0 days	4月30日星期四	4月30日星期四	
	Total Contract Period	455 days			
	Total Contract Period	455 uays	2月1日至州五	4月30日星期四 1	
	Preliminaries	21 days	3月12日星期二	4818号第二	
) D	Coordination with utility companies	14 days	3月12日星期二		
	Pre-construction condition survey	14 days 14 days	3月12日星期二		
_	Notification of commencement of works to Labour Department	7 days	3月12日星期二		
_	Notification of air pollution control for commencement of works to EPD	7 days	3月12日星期二		
_	Application of water discharge licence from EPD	7 days	3月12日星期二		
_	Application for billing account for disposal of construction waste from EPD	7 days	3月12日星期二		
	CCTV for existing underground drainage pipe around site boundary	21 days	3月12日星期二		
	Utility detection for existing underground cables	21 days	3月12日星期二		
	Site clearance	21 days	3月12日星期二		
	Set up contractor's site office	21 days	3月12日星期二		
	Installation of monitoring checkpoints	20 days	3月12日星期二		
	Submission of BA10 for ELS & foundation works	7 days	3月12日星期二	3月18日星期一	
	Predrilling Works for Section of A1 to A3 (Area P1 to P3)	96 days	2月1日星期五	5月7日星期二	
	Drilling rigs mobilization	10 days		2月10日星期日	
	Predrilling works (46 holes) (8 rigs)	81 days	2月11日星期一		
	Submission of predrill logs	71 days	2月26日星期二		
	Completion of predrilling works	0 days	5月7日星期二	5月7日星期二	
	Plant Mobilization for Bored Pile Construction	150 days		8月15日星期四	
	Crawler Crane	136 days	3月19日星期二		
	1st & 2nd set 3rd set	21 days 21 days	3月19日星期二 4月10日星期三		
		21 days 21 days	4月10日星期三 6月14日星期五		
	4th & 5th set 6th set	21 days 21 days	7月12日星期五		
	Oscillator	136 days	3月19日星期二		
_	1st & 2nd set	21 days	3月19日星期二		
	3rd set	21 days 21 days	4月10日星期三		
	4th & 5th set	21 days 21 days	6月14日星期五		
	6th set	21 days	7月12日星期五		
	RCD	129 days		8月15日星期四	
	1st & 2nd set	14 days		4月22日星期一	
	3rd set	14 days		5月14日星期二	
	4th & 5th set	14 days	7月5日星期五	7月18日星期四	
	6th set	14 days	8月2日星期五	8月15日星期四	
_	Completion of plant mobilization for bored pile construction	0 days	8月15日星期四	8月15日星期四	
	Delivery of Temporary Steel Casing for Bored Pile Construction	150 days		8月15日星期四	
_	Duration for delivery of temporary steel casing	150 days	3月19日星期二		
	Completion of delivery of temporary steel casing for bored pile construction	0 days	8月15日星期四	8月15日星期四	
_					
	Delivery of Permanent Casing & Double Wall Liner	369 days		3月20日星期五	
	Testing for double wall liner	45 days	3月18日星期一		
3	Duration for delivery of permanent casing & double wall liner	325 days	5月1日星期三	3月20日星期五	
4	Section A1	320 days	3月18日星期一	1831日早期王	
5					

SUNLEY ENGINEERING & CONSTRUCTION CO., LTD.

Contract No. 18/8004 - Lamma Power Station Extension Foundation Works for Unit L12

Master Program

Finish 1月31日星期三 1月8日星期三 1月5日星期三 1月31日星期五 1月31日星期五 1月31日星期五 7月14日星期五 1月28日星期四 1月31日星期五 1月31日星期五 1月31日星期五 1月31日星期五 1月31日星期五 3月31日星期五 5月29日星期五 3月31日星期五
1月8日星期三 6月5日星期三 6月5日星期三 1月1日星期六 1月31日星期五 1月31日星期五 1月31日星期五 1月31日星期五 7月14日星期日 7月26日星期五 1月33日星期四 1月31日星期五 1月31日星期五
1月8日星期三 6月5日星期三 6月5日星期三 1月1日星期六 1月31日星期五 1月31日星期五 1月31日星期五 1月31日星期五 7月14日星期日 7月26日星期五 1月33日星期四 1月31日星期五 1月31日星期五
1月8日星期三 6月5日星期三 6月5日星期三 1月1日星期六 1月31日星期五 1月31日星期五 1月31日星期五 1月31日星期五 7月14日星期日 7月26日星期五 1月33日星期四 1月31日星期五 1月31日星期五
6月5日星期三 1月11日星期六 1月31日星期五 1月31日星期五 7月14日星期日 7月26日星期五 1月23日星期四 1月30日星期四 1月31日星期五 1月31日星期五 1月31日星期五 1月31日星期五
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7月26日星期五 1月23日星期四 1月30日星期四 1月31日星期五 1月31日星期五 6月29日星期大
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1月31日星期五 1月31日星期五 6月29日星期大
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1月31日星期五
10月21日星期一
10月21日星期一
9月15日星期日
9月23日星期一
10月21日星期一
10月21日星期一
10月21日星期一
4月12日星期日
4月12日星期日
2月14日星期五
2月14日星期五
2月20日星期四
2月20日星期四 3月19日星期四
3月19日星期四
3月19日星期四
4月2日星期四
4月12日星期日
4月12日星期日
7月16日星期二
5月31日星期五
5月31日星期五
7月16日星期二
7月16日星期二
4月12日星期日
4月30日星期四
4月30日星期四
1月1日星期三
2月3日星期一
1月7日星期二
1月7日星期二 2月1日星期六

SUNLEY ENGINEERING & CONSTRUCTION CO., LTD.

Contract No. 18/8004 - Lamma Power Station Extension Foundation Works for Unit L12

Master Programm

	ask Name		Duration	Start	Finish
	ask Name		Duration	Start	Fillisti
111	Completion of predrilling works		0 days	2月3日星期一	2月3日星期一
112					
113	Bored Pile Construction (4 piles)		113 days		4月30日星期四
114	Plant mobilization		15 days		1月23日星期四
115	1st set plant - BPR-B4 > BPR-E2		65 days		3月20日星期五
116	3rd set plant - BPR-E6 > BPR-E5		65 days		3月28日星期六
117	Interface & sonic test		14 days		4月6日星期一
118	Prepare & submit as-built record pl	an	7 days		4月6日星期一
119	Submission of BA14		1 day	4月6日星期一	
120	Allow 14 days for selection of pile f	or concrete full core test	14 days		4月20日星期一
121	Concrete full core test		10 days		4月30日星期四
122	Completion of bored pile constructi	on	0 days		4月30日星期四
123	Completion of shunt reactor		0 days	4月30日星期四	4月30日星期四
124					
125	Cable Bridge		267 days		3月23日星期一
126	Site possession date		0 days	7月1日星期一	7月1日星期一
127	Predrilling Works for Bored Pile		55 days		8月24日星期六
128	Drilling rigs mobilization		7 days		7月7日星期日
129	Predrilling works (8 holes) (2 rig)		46 days		8月22日星期四
130	Submission of predrill logs		30 days		8月24日星期六
131	Completion of predrilling works		0 days	8月24日星期六	8月24日星期六
132	Barred Bile Compton (0 mill)		470 -1		28445 = 49 -
133	Bored Pile Construction (6 piles)		178 days		3月11日星期三
134	Plant mobilization		14 days		9月29日星期日
135	•	P6-6 > CP6-8 > CP6-5 > CP6-2 > CP6-7 > CP6-4	150 days		2月26日星期三
136	Interface & sonic test		14 days		3月11日星期三
137	Completion of bored pile constructi	on	0 days	3月11日星期二	3月11日星期三
138					
139	Temporary Working Platform for So		74 days		9月12日星期四
140	Material delivery for temporary wor		14 days		7月14日星期日
141	Erection of temporary working platf		60 days		9月12日星期四
142	Completion of temporary working p	atform	0 days	9月12日星期四	9月12日星期四
143		-			
144	Predrilling Works for Socketted H-p	ile	27 days		10月9日星期三
145	Drilling rigs mobilization		7 days		9月19日星期四
146	Predrilling works (6 holes) (2 rigs)		18 days		10月7日星期一
147	Submission of predrill logs		13 days		10月9日星期三
148	Completion of predrilling works		0 days	10月9日星期三	10月9日星期三
149				10 B 0	• • • • • • • • • • • • • • • • • • •
150	Socketted H-Pile Construction (30 p	iles)	168 days		3月23日星期一
151	Plant mobilization		14 days		10月21日星期一
152	Trial pile installation (1 pile)		14 days		11月4日星期一
153	Socketted H-pile installation (16 pile	es) (1 set plant)	65 days		1月8日星期三
154	Post drill	-	5 days		1月13日星期一
155	Prepare & submit as-built record pl	an	28 days		2月5日星期三
156	Submission of BA14	or loading tost	1 day 14 days		2月6日星期四
157 158	Allow 14 days for selection of pile for				2月20日星期四
158	Set up loading test platform for 1st	pile testilig	12 days		3月3日星期二 3月7日星期六
160	Loading test for 1st pile Set up loading test platform for 2nd	nile testing	4 days 12 days		3月1日星期八 3月19日星期四
160	Loading test for 2nd	pile lesulty	12 days 4 days		3月19日星期四 3月23日星期一
162	Completion of socketted H-pile con	struction	4 days 0 days		3月23日星期一
162	Completion of cable bridge	Suucion	0 days 0 days		3月23日星期一
164	Completion of section B		0 days 0 days		3月23日星期一 4月30日星期四
	Completion of section B		0 days 0 days		4月30日星期四 4月30日星期四
	JUNIALI LUNIDIEUON				