

Activity ID	Activity Name	Original Duration	Remaining Duration	Start	Finish	Total Float	2011			
							Sep	Oct	Nov	Dec
<b>Reclamation in NPR3 ver.9.5 2011_11_21</b>		115	23	21-Jul-11 A	19-Dec-11	-39				
<b>Landside</b>		115	23	05-Aug-11 A	19-Dec-11	-39				
	Installation Seawall Blocks to B6 and B7	55	0	13-Aug-11 A	18-Oct-11 A					
	Construct the Concrete Coping at B6 and B7	82	0	13-Aug-11 A	07-Nov-11 A					
	Laying Geotextile & Filter Material	86	0	05-Aug-11 A	14-Nov-11 A					
	Construct Open Channel U under IEC	33	0	23-Sep-11 A	30-Oct-11 A					
	Construct Open Channel U outside IEC	32	20	30-Sep-11 A	15-Dec-11	-36				
	Construct the Drainage Pipeline at West of Open Channel U	34	0	30-Sep-11 A	31-Oct-11 A					
	Construct the Drainage Pipeline at East of Open Channel U	28	17	01-Nov-11 A	15-Dec-11	-31				
	Unloading Sorted Public Fill behind new seawall	53	0	15-Aug-11 A	20-Nov-11 A					
	Reclamation	98	23	13-Aug-11 A	19-Dec-11	-39				
<b>Seaside</b>		100	23	21-Jul-11 A	19-Dec-11	-39				
	Construction of Outlet Pipe from City Garden	54	20	12-Oct-11 A	19-Dec-11	-34				
	Construction of B8	13	13	15-Nov-11 A	09-Dec-11	-31				

█ Actual Work    
 █ Critical Remaining Work    
 ▼ Summary  
█ Remaining Work    
 ◆ Milestone

Contract No. HK/2009/01

Contract Title : Wan Chai Development Phase II - Central - Wan Chai Bypass at HKCEC

**Working Programme for Marine Works (Dredging and Backfilling)**

ACTIVITY	START	FINISH	2010												2011												2012												2013																			
			Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec									
<b>Submissions before Works Commencement</b>																																																										
Submit silt curtain deployment plan	31/3/10	31/3/10	◆																																																							
Submit silt screen deployment plan	31/3/10	31/3/10	◆																																																							
Submit measures to mitigate noise impact	31/3/10	31/3/10	◆																																																							
<b>Cross Harbour Watermains from WCN to TST (DP6)</b>																																																										
Trench dredging for marine watermains installation	29/4/10	28/10/10				■																																																				
Backfilling for watermain	28/1/11	14/12/11													■																																											
<b>Reclamation Works at HKCEC Water Channel (DP3)</b>																																																										
Dredging at HKCEC Water Channel (Western Part)	1/6/10	1/8/10			■																																																					
Backfilling to +3.5mPD (Western Part)	17/8/10	6/2/11				■																																																				
Dredging at HKCEC Water Channel (Middle Part)	2/8/10	6/1/11				■																																																				
Backfilling to +3.5mPD (Middle Part)	21/2/11	1/6/11													■																																											
Dredging at HKCEC Water Channel (Eastern Part)	1/12/12	31/12/12																																					■																			
Backfilling to +3.5mPD (Eastern Part)	16/1/13	30/4/13																																					■																			




**Dredging & Reclamation Works Programme Summary  
(based on Initial Works Programme Rev. 0)**

ID	Task Name	Duration	Start	2010 2011 2012 2013 2014 2015																							
				Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4			
1	<b>HK/2009/02-Marine &amp; Reclamation Works</b>	<b>2008 d</b>	<b>Thu 28/1/10</b>	[Summary bar from Q4 2009 to Q4 2015]																							
2	Contract Commencement	0 d	Thu 28/1/10	[Milestone diamond at start of Q4 2009]																							
3	<b>General</b>	<b>1879 d</b>	<b>Mon 22/2/10</b>	[Summary bar from Q1 2010 to Q4 2015]																							
4	Submission & obtain approval for marine GI	21 d	Mon 22/2/10	[Task bar in Q1 2010]																							
5	Stage 1 Marine GI for reclamation	30 d	Mon 15/3/10	[Task bar in Q1 2010]																							
6	Engineer's Design review for Dredging of WCR1, WCR2 & WCR4	30 d	Mon 22/3/10	[Task bar in Q1 2010]																							
7	Relocation of New Star Ferry Pier	0 d	Tue 18/3/14	[Milestone diamond at start of Q2 2014]																							
8	Demolition of Existing Star Ferry Pier	100 d	Tue 18/3/14	[Task bar in Q2 2014]																							
9	Stage 2 Marine GI for Reclamation	14 d	Tue 18/3/14	[Task bar in Q2 2014]																							
10	Engineer's Design review for Dredging of WCR3	21 d	Tue 25/3/14	[Task bar in Q2 2014]																							
11	Complete Diversion of Hung Hing Road Traffic Back to Original	20 d	Fri 6/2/15	[Task bar in Q1 2015]																							
12	Excavate & remove top of d-wall for permanent seawall construction	50 d	Wed 25/2/15	[Task bar in Q1 2015]																							
13	<b>Submarine Outfall</b>	<b>500 d</b>	<b>Tue 21/9/10</b>	[Summary bar from Q3 2010 to Q4 2011]																							
14	Dredging, Laying and Backfilling of Submarine Outfall Pipe at Sea	500 d	Tue 21/9/10	[Task bar from Q3 2010 to Q4 2011]																							
15	<b>Phase 1 - WCR1</b>	<b>158 d</b>	<b>Wed 21/4/10</b>	[Summary bar from Q1 2010 to Q2 2011]																							
16	Mobilization of plants	1 d	Wed 21/4/10	[Task bar in Q1 2010]																							
17	Seabed dredging	63 d	Wed 21/4/10	[Task bar in Q1 2010]																							
18	Bedding Filling and Permanent seawall (precast cassion)	60 d	Tue 22/6/10	[Task bar in Q2 2010]																							
19	Bulk reclamation	37 d	Fri 20/8/10	[Task bar in Q2 2010]																							
20	<b>Phase 2 - WCR2</b>	<b>149 d</b>	<b>Thu 1/3/12</b>	[Summary bar from Q3 2011 to Q4 2012]																							
21	Mobilization of plants	1 d	Thu 1/3/12	[Task bar in Q3 2011]																							
22	Temp seawall and Seabed dredging	77 d	Thu 1/3/12	[Task bar in Q3 2011]																							
23	Bulk reclamation	73 d	Wed 16/5/12	[Task bar in Q4 2011]																							
24	<b>Phase 3 - TWCR4 &amp; WCR4</b>	<b>98 d</b>	<b>Sat 28/4/12</b>	[Summary bar from Q4 2011 to Q2 2012]																							
25	Mobilization of plants	1 d	Sat 28/4/12	[Task bar in Q4 2011]																							
26	Temp Seawall and Seabed dredging	75 d	Sat 28/4/12	[Task bar in Q4 2011]																							
27	Bulk & temp reclamation	24 d	Wed 11/7/12	[Task bar in Q1 2012]																							
28	<b>Phase 4 - WCR3</b>	<b>294 d</b>	<b>Tue 18/3/14</b>	[Summary bar from Q2 2012 to Q4 2014]																							
29	Mobilization of plants	1 d	Tue 18/3/14	[Task bar in Q2 2012]																							
30	Seabed dredging for Permanent Seawall	112 d	Tue 18/3/14	[Task bar in Q2 2012]																							
31	Backfill and permanent seawall (precast cassion)	108 d	Tue 8/7/14	[Task bar in Q3 2012]																							
32	Bulk reclamation	74 d	Fri 24/10/14	[Task bar in Q4 2012]																							
33	<b>Phase 5 - Construct Permanent Seawall Blocks along curved coastline &amp; Remove TWCR4</b>	<b>105 d</b>	<b>Wed 15/4/15</b>	[Summary bar from Q4 2012 to Q2 2014]																							
34	Mobilization of plants	1 d	Wed 15/4/15	[Task bar in Q4 2012]																							
35	Dredging and Filling for permanent seawall construction	50 d	Wed 15/4/15	[Task bar in Q4 2012]																							
36	Construction of Permanent Seawall Blocks for curved coastline	56 d	Wed 3/6/15	[Task bar in Q1 2013]																							
37	Remove temp seawall and reinstate the location of TWCR4	30 d	Mon 29/6/15	[Task bar in Q1 2013]																							

Project: Reclamation Works Programme  
Date: Tue 9/3/10

Task		Summary		Rolled Up Progress		Project Summary	
Progress		Rolled Up Task		Split		Group By Summary	
Milestone		Rolled Up Milestone		External Tasks		Deadline	

Activity ID	Cal ID	Activity Description	Orig Dur	Early Start	Early Finish	Year																
						2010	2011	2012	2013	2014	2015	2016	2017									
<b>TCBR1E (TS1 Area)</b>																						
105	1	TCBR1E(TS1)-dredging+rockfill(pre. for seawall)	86	03DEC10*	26FEB11																	
110	1	TCBR1E (TS1)-temporary reclamation	69	28JAN11*	06APR11																	
155	1	TCBR1E (TS1)- removal of temporary reclamation	27	30JAN12*	25FEB12																	
<b>TCBR4</b>																						
100	1	Maintenance dredging for navigation safety for	7	20NOV10*	26NOV10																	
<b>TCBR2 + TCBR3 (TS2 Area)</b>																						
115	1	TCBR2&TCBR3(TS2)- Maintenance dredging for	5	15NOV10*	19NOV10																	
117	1	TCBR2&TCBR3(TS2)-dredge+rockfill seabed	64	16DEC11*	17FEB12																	
120	1	TCBR2&TCBR3(TS2) --temporary reclamation	115	26FEB12*	19JUN12																	
160	1	TCBR2&TCBR3(TS2-removal temporary reclamation	57	18AUG13*	13OCT13																	
<b>TCBR1W (TS4 Area)</b>																						
125	1	TCBR1W(TS4)-dredging+rockfill(pre. for seawall)	40	19DEC10*	27JAN11																	
130	1	TCBR1W(TS4) --temporary reclamation	68	28JAN11	05APR11																	
165	1	TCBR1W(TS4)--removal temporary reclamation	26	27OCT13*	21NOV13																	
<b>TPCWAE</b>																						
135	1	TPCWAE-dredging+rockfill(pre. for seawall)	55	03DEC10*	26JAN11																	
140	1	TPCWAE --temporary reclamation	77	27JAN11	13APR11																	
170	1	TPCWAE--removal temporary reclamation	28	28SEP13*	25OCT13																	
<b>TPCWAW</b>																						
145	1	TPCWAW-dredging+rockfill(pre. for seawall)	47	28OCT13*	13DEC13																	
150	1	TPCWAW --temporary reclamation	83	14DEC13	06MAR14																	
175	1	TPCWAW--removal temporary reclamation	50	02JUL15*	20AUG15																	

 Early Bar  
 Progress Bar  
 Critical Activity

?Primavera Systems, Inc.

EP02 CHINA STATE CONSTRUCTION ENGG LTD Sheet 1 of 1

CONTRACT NO. HY/2009/15: CENTRAL WAN CHAI BYPASS- TUNNEL (CBTS SECTION)

Prepared based on IWP Rev. 0  
Date Prepared: 28 Oct 2010



Act ID	Description	Orig Dur	Early Start	Early Finish	2011												2012												2013					
					JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR			
<b>Section I</b>																																		
<b>Contract Obligation</b>																																		
1000	Commencement of Section I of works	0	20JAN11 *		◆ Commencement of Section I of works																													
<b>Initial Works</b>																																		
1050	Apply Marine notice to Marine Department	30	21JAN11	19FEB11	■ Apply Marine notice to Marine Department (dredg)																													
1060	Apply Marine notice to Marine Dept. Piling	30	18FEB11	19MAR11	■ Apply Marine notice to Marine Dept. Piling																													
1080	Apply FEP under EP356/2009	21	28FEB11	20MAR11	■ Apply FEP under EP356/2009																													
1081	Submission of Works Schedule for FEP	14	05MAR11	21MAR11	■ Submission of Works Schedule for FEP																													
1082	Submission of Location Plan for FEP	14	05MAR11	21MAR11	■ Submission of Location Plan for FEP																													
1083	Submission of Silt Curtain Deployment	14	05MAR11	21MAR11	■ Submission of Silt Curtain Deployment Plan																													
1084	Submission of Silt Screen Deployment Plan	14	05MAR11	21MAR11	■ Submission of Silt Screen Deployment Plan																													
1085	Submission Noise Management Plan	14	05MAR11	21MAR11	■ Submission Noise Management Plan																													
1090	Apply Dumping Permit	30	18FEB11	19MAR11	■ Apply Dumping Permit																													
1100	Apply CNP	30	31JAN11	01MAR11	■ Apply CNP																													
1110	Apply C&D waste disposal	30	20JAN11	18FEB11	■ Apply C&D waste disposal																													
1120	Apply Discharge licence	30	18FEB11	19MAR11	■ Apply Discharge licence																													
1130	Notification of chemical waste Producer	30	20JAN11	18FEB11	■ Notification of chemical waste Producer																													
1140	Notification to Labor Dept-Works	30	20JAN11	18FEB11	■ Notification to Labor Dept-Works Commencement																													
1150	Submit Risk Ass to MTR	21	28FEB11	20MAR11	■ Submit Risk Ass to MTR																													
1260	Erect Hoarding	30	28FEB11	29MAR11	■ Erect Hoarding																													
1270	Demarcation of Marine Site Boundary	21	01MAR11	21MAR11	■ Demarcation of Marine Site Boundary																													
1280	Working Site Office establishment	14	27JAN11	09FEB11	■ Working Site Office establishment																													
<b>Monitoring</b>																																		
1160	Takeover monitoring system from C1	0	21MAR11 *		◆ Takeover monitoring system from C1																													
1180	Commence Monitoring- ADMS,etc	0	21MAR11		◆ Commence Monitoring- ADMS,etc																													
<b>Dredging Works</b>																																		
1070	Submit Dredging MS	30	18FEB11	19MAR11	■ Submit Dredging MS																													
1075	Acceptance of Dredging MS	0		19MAR11	◆ Acceptance of Dredging MS																													
1078	Initial Hydrographic Survey	1	20MAR11	20MAR11	■ Initial Hydrographic Survey																													
1200	Initial Dredging Works for Piling	15	22MAR11	05APR11	■ Initial Dredging Works for Piling																													
1210	Final Hydrographic survey	3	07MAY12	09MAY12	■ Final Hydrographic survey																													
1220	Final Dredging Works	7	10MAY12	16MAY12	■ Final Dredging Works																													
1230	Confirmation Hydrographic survey	70	17MAY12	25JUL12	■ Confirmation Hydrographic survey																													
<b>Piling Works</b>																																		
1240	Submit stage platform MS	30	10FEB11	11MAR11	■ Submit stage platform MS																													
1250	Submit piling MS	30	10FEB11	11MAR11	■ Submit piling MS																													
P1000	Erect temporary Piling Platform	120	06APR11	03AUG11	■ Erect temporary Piling Platform																													
P1020	Pre-drilling	150	06JUN11	02NOV11	■ Pre-drilling																													
P1040	Bored Piles Construction and Testing	250	06JUL11	11MAR12	■ Bored Piles Construction and Testing																													
P1060	Drive Sheet piles along Bored piles	140	03NOV11	21MAR12	■ Drive Sheet piles along Bored piles																													
P1080	Dismantle Temporary Piling Platform	50	25FEB12	14APR12	■ Dismantle Temporary Piling Platform																													
P1100	Dive sheet piles beyond precast seawall	90	17JAN12	15APR12	■ Dive sheet piles beyond precast seawall																													
P1120	Trim pilehead to cut-off level	210	29SEP11	25APR12	■ Trim pilehead to cut-off level																													
P1140	Cut steel casing of bore piles	210	06OCT11	02MAY12	■ Cut steel casing of bore piles																													
P1160	Cut sheet piles to design level for box units	120	08JAN12	06MAY12	■ Cut sheet piles to design level for box units																													

Start date 20JAN11  
 Finish date 19DEC12  
 Data date 20JAN11  
 Run date 05MAR11  
 Page number 1A  
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Contract no. HK/2010/06  
 Wan Chai Development Phase II- Central-Wan Chai By pass over MTR Tsuen Wan Line

GAMMON-LEADER JV

Works Schedule of Marine Works for EP-356/2009

- Early bar
- Progress bar
- Critical bar
- Summary bar
- ◆ Start milestone point
- ◆ Finish milestone point