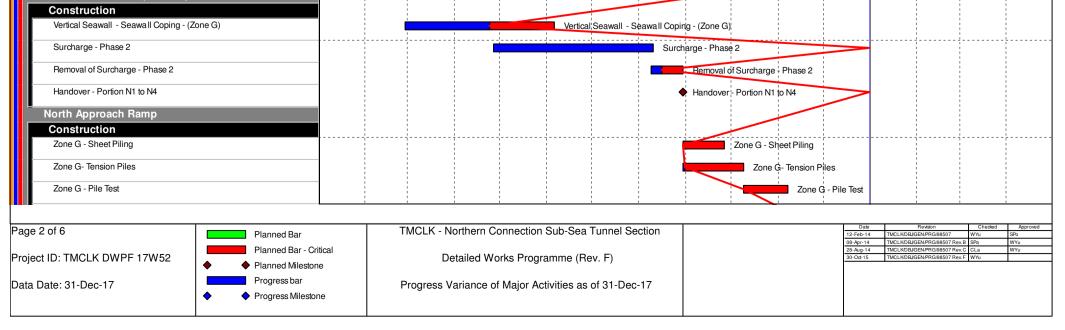
tivity Name							017)18	
TMCI K Northern Connection Cub See Transl	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
TMCLK - Northern Connection Sub-Sea Tunnel				 	i 1 1		1 1 1	1								
Construction Northern Landfall				 	 						 	 				
Box Culvert Extension				 												
Construction							1		 		- - - -	 				
CH100-150 Land Section						 	· · · · · · · · · · · · · · · · · · ·		 							
ELS & Structure																
Pile A41/A39 CJ to Pile A39/A37 CJ (Bay 7) Box Culvert Structure																
Removal of strut S2 & Backfilling up to required level	-															
Pile A39/A37 CJ to Pile A37/A35 CJ (Bay 8)																
Box Culvert Structure																
Removal of strut S2 & Backfilling up to required level																
Pile A37/A35 CJ to Pile A35/A33 CJ (Bay 9)					1							1				
Box Culvert Structure Removal of strut S2 & Backfilling up to required level							 									
											 	1 1 1				
Pile A35/A33 CJ to Pile A33/P117 CJ (Bay 10) Box Culvert Structure							 									
Removal of strut S2 & Backfilling up to required level											 	 				
Ch150-250 Marine Section					1			1	 			1				
ELS & Structure				, ,		¦			 							
Pile A33/P117 CJ to Pile P113/P109 CJ (Bay 11)																
Box Culvert Structure Removal of strut S2 & Backfilling up to required level									1		1					
Pile P113/P109 CJ to Pile P105/P101 CJ (Bay 12) Box Culvert Structure																
Removal of strut S2 & Backfilling up to required level								1								
Pile P105/P101 CJ to Pile P97/P93 CJ (Bay 13)																
Box Culvert Structure											1					
Removal of strut S2 & Backfilling up to required level]			 	1 1 1		 		 							
Pile P97/P93 CJ to Pile P89/P85 CJ (Bay 14)				+							 	+				
Box Culvert Structure																
Removal of strut S2 & Backfilling up to required level																
Pile P89/P85 CJ to Pile P81/P77 CJ (Bay 15)																
Box Culvert Structure Removal of strut S2 & Backfilling up to required level												 				
Pile P81/P77 CJ to Pile P73/P69 CJ (Bay 16)									1		1					
Box Culvert Structure																
Removal of strut S2 & Backfilling up to required level	-															
Ch250-380 Marine Section																
ELS & Structure																
Pile P73/P69 CJ to Pile P65/P61 CJ (Bay17) Box Culvert Structure																
System FormworkAssembly & Setup					¦ \$ystem Form	workAssem	oly & Setup									
Walls & top slab construction	-				Walls & to	slab constr	ruction									
Removal of strut S2 & Backfilling up to required level						, , ,		lling up to req	uirod laur-							
						noval of stru	USZ & DACKTI	inng up to req	uned level							
Pile P65/P61 CJ to Pile P57/P53 CJ (Bay 18) Box Culvert Structure																
Removal of strut S2 & Backfilling up to required level				 	i 🖕 i	amoval of s	trut S2 & Bac	ckfilling up to r	equired leve							
Pile P57/P53 CJ to Pile P49/P45 CJ (Bay 19)									 							
Box Culvert Structure					·····											
Removal of strut S2 & Backfilling up to required level				 	•	Removal	of strut S2 &	Backfilling up	to required l	evel						
Pile P49/P45 CJ to Pile P41/P37 CJ (Bay 20)				 			 		 							
Box Culvert Structure Removal of strut S2 & Backfilling up to required level				 	1	Dame		9 Deal-filling		dlavel		1				
	 				¦ 	Remov	wai of strut S2	& Backfilling	up to require	eu ievel						
Pile P41/P37 CJ to Pile P33/P29 CJ (Bay 21) Box Culvert Structure				 	 		 	1 1 1	 			1				
Removal of strut S2 & Backfilling up to required level				 	 	Rer	moval of strut	\$2 & Backfilli	hg up to rea	uired level		1				
Pile P33/P29 CJ to Pile P25/P21 CJ (Bay 22)						\mathbf{N}										
Box Culvert Structure																
Removal of strut S2 & Backfilling up to required level	1	,					Remov	al of strut S2	& Backfilling	up to require	ed level					
Pile P25/P21 CJ to Pile P17/P13 CJ (Bay 23)																
Box Culvert Structure																
Removal of strut S2 & Backfilling up to required level					, , ,		7	Removal of	strut S2 & B	ackfilling up	to required l	evel				
Pile P17/P13 CJ to Pile P09/P05 CJ (Bay 24)																
Box Culvert Structure Removal of strut S2 & Backfilling up to required level									hoval of strut	S2 & Roolf	ling up to re-	uired lavel				
	1						1	ner	novai ui sii ui	C C DaUNII		aan eu ievel				

	Removal of strut S2 & Backfilling	up to required level				Re	moval of stru	t S2 & Backfilling up to required	level			
	Pile P09/P05 CJ to End W	all CJ (Bay 25)										
	Box Culvert Structure											
	Removal of strut S2 & Backfilling	up to required level					Removal	of strut S2 & Backfilling up to re	quired lev	rel		
	Ch380-399 Connection Sec	tion										
	Connection to Existing Cu	llvert										
	Removal of CH380 Sheet Pile Wal	I				Re	moval of CH3	380 Sheet Pile Wall				
	Backfilling of temporary Drainage of	liversion channel for Handover					Backfilling	of temporary Drainage diversi	on char ne	el for Handpver		
	CKS Land Access - diversion to Pc	stion N12 Vertical Seawall					CKS Land	Access - diversion to Postion I	N12 Ventic	al Seawall		
	Removal of CKS Access S teel Brid	ge		, T			F	Removal of CKS Access Steel B	ridge			
			1 1	<u> </u>		1	1					
Pane	1 of 6		TMCLK - N	Northern Connectio	n Sub-Sea Tu	innel Section	1		Date	Revision	Checked	Approved
uge		Planned Bar							12-Feb-14 08-Apr-14	TMCLK/DBJGEN/PRG/98507 TMCLK/DBJGEN/PRG/98507 Rev.B	WYu SPa	SPo WYu
		Planned Bar - Critica	ll l						28-Aug-14	TMCLK/DBJGEN/PRG/98507 Rev.C		WYu
Proje	ct ID: TMCLK DWPF 17W52	Planned Milestone	D	etailed Works Prog	gramme (Rev.	F)			30-Oct-15	TMCLK/DBJGEN/PRG/98507 Rev.F	WYu	
		Planned Milestone										
Data	Date: 31-Dec-17	Progress bar	Progress \	Variance of Major A	Activities as of	31-Dec-17						
Dala		Progress Milestone	l logiess (Fanance of Major F		01 000 17						

ivity Name										
	Jan	Feb	Mar	Apr	May	20 Jun	017 Jul	Aug	Sep	Oct Nov Dec Jan Feb Mar Apr
Advance preparation works for Main Culvert Structure Connection		1								Advance preparation works for Main Culvert Structure Connection
Connection Stage 1 (Cell 1 & 2)					1 1 1	1				
Bulkhead Installation at Cell 1 & 2, divert flow to Cell 3 & 4										Bulkhead Installetion at Cell 1 & 2, divert flow to Cell 3 & 4
Removal of combi-wall at end wall Cell 1 & 2 for connection	~									Removal of combi-wall at end wall Cell 1 & 2 for connectio
Rock & gravel fill										Rock & gravel fill
Mass concrete fill & blinding layer										Mass concrete fill & blinding layer
Bottom slab including kicker										Bottom slab including kicker
Wall & top slab										Wall & top slab
Connection Stage 2 (Cell 3 & 4)										
Bulkhead Removal at Cell 1 & 2										Bulkhead Removal at Cell 1 & 2
Bulkhead Installation at Cell 3 & 4										Bulkhead Installation at Cell
Removal of combi-wall at end wall Cell 3 & 4 & row 2 for connection										Removal of combi-wall
Bottom slab including kicker										Bottom slab in
Wall & top slab										Wall&tc
										<u>.</u>
Backfilling										
Miscellaneous works Connection to Existing EOC										
ELS for Connection to Existing EOC										ELS for Connection to Existing EOC
Removal of EOC temp drainage diversion					- - 		1 1 1			Removal of EOC temp drainage diversion
EOC precast structure Installation & Connection										EOC precast structure Installa
Backfilling & EOC special manhole Construction										Backfilling & Ed
Connection to Existing EOB ELS for Connection to Existing EOB										EL\$ for Connection to Existing EOB
Removal of EOB Temporary Drainage Diversion										Removal of EOB Temporary Drainage Diversion
Precast EOB Structure Installation & Connection										
										Precast EOB Structure Installation & Con
Backfilling & EOB special manhole Construction										Backfilling & EOB special ma
Connection to Existing EOA ELS for Connection to Existing EOA										ELS for Connection to Existing EOA
EOA Precast installation & Connection										EOA Precas installation & Connection
Backfilling & EOA special manhole Construction										Backfilling & EOA special manhole Construction
Inspection Manhole (IM) Inspection Manhole IM-13 to IM-16 & backfilling to +6.0mPD										anation Manhala IM 12 h IM 16 h had filling to 16 0mDD
										spection Manhole IM-13 to IM-16 & backfilling to +6.0mPD
Balance Hole (BH) BH-10 to BH-12 & backfilling to +6.0mPD										BH-10 to BH-12 & backfilling to +6.0mPD
Desilting Opening (DO)										
DO-05 to DO-08 & backfilling to +6.0mPD										DO-05 to DO-08 & backfilling to +6.0mPD
CLP Temporary Substation										
Construction										
CLP Substation - Prepare for CLP consent for de-energization										CLP Substation - Prepare for CLP consent for de-energization
CLP Substation - De-energization									; E	CLP Substation - De-energization
CLP Substation - Dismantling & Removal										
Handover of Portion N6B										
North Approach TBM Tunnelling & Cross Passage										
Construction		, , ,								·····
North Approach Tunnel Internal Structure - NB NB - North TBM Tunnel - Fire proofing and Provision to E&MS and	el - Fire pro	fing and Pr	ovision to E8	MS and TC	\$S Contract f					
TCSS Contract for KD1 North Approach Tunnel Internal Structure - SB										
SB - North TBM Tunnel - Fire proofing & Provision to E&MS and TCSS	B - North T	BM Tunnel -	Fire proofing	& Provisior	ito E&MS an	d TCSS Con	tract for KD1			
Contract for KD1 North Ventilation Building										
Construction						 !				*****
Substructure										
Superstructure					Superstruct	re		- - - - -		
Finishing Works						1	: 	1	í	Finishing Works
Civil Provision for E&MS Contract								1		Civil Provision for E&MS Contract
Remaining Finishing Works					 	 				Remaining Finishing Works
Handover Portion N9										andover Portion N9
North Reclamation (Phase 2)										



Activity Name						0	017							018	
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan Feb	Mar	Apr
Remaining Zine E & Zone G - Excavation - Soft		1 1 1	1 1 1 1	1 1 1 1				1 1 1				Rer	naining Zine E & Zone	- Excavation	- Soft
Remaining Zone E & Zone G - Structure			, , , ,	, , , , , ,						, , ,					I
Remaining Zone E & Zone G - Backfilling				 	1										
Provision works for E&MS/TCSS (for Stage 3)				1 1 1				, , , ,							
Sub-sea Tunnel Sub-sea TBM Tunnelling		1	1 1 1 1	1 1 1 1	1 1 1			1 1 1 1		:		1 1 1 1			
Construction		1	 	 	1										
Sub-sea TBM Tunnel - NB ID12.2m - S881		-	 							 		+ 			
S881 - TBM Removal at Southern Landfall					1	S881 -	TBM Remova	al at Souther	n Landfall						
Sub-sea TBM Tunnel - SB ID12.2m - S882 SB - Sub-sea TBM Tunnel - ALLUVIUMS silty with Trimix (Ch2595 to		SB - Sut	b-sea TBM Tu	innel - ALLU	IVIUMS silty v	with Trimix (C	h2595 to 253	33 - 62m)							
2533 - 62m) SB - TBM Removal at Southern Landfall			 	SB - TBN	Removal at	Southern La	andfall			1 1 1 1		1			
Sub-sea TBM Tunnel - NB - Precast Invert Gallery					 	 		 -	 	 		 	 		
NB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP08			1 1 1	1 1 1 1			B - Sub-sea T	TBM Tunnel -	Precast Inve	rt Gallery - Co	mpletion to	CP08			
Sub-sea TBM Tunnel - SB - Precast Invert Gallery															
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP09			 	1		-	cast Invert Ga		1						
SB - Sub-sea TBM Tunnel - Precast Invert Gallery - Completion to CP08				SB-	Sub-sea TB	M Tunnel - P	recast Invert	Gallery - Co	hpletion to C	P08 					
Sub-sea Tunnel Cross Passage & Internal Structure Construction			 	 											
Sub-sea Tunnel Cross Passage	-		 	 											
CP22 - ML03 - Ch3936 CP - Remaining Internal Structure & Finishing			 	 			CP - Remaini	ng Internal S	tructure & Fi	hishina					
CP20 - ML03 - Ch3739			, ,	, , ,		``				, . 					
CP - Remaining Internal Structure & Finishing		1	1 1 1	1 1 1			CP -	Remaining	hternal Struc	ture & Finishi	ng				
CP18 - ML03 - Ch3542		1	1 1 1 1	1 1 1 1											
CP - Remaining Internal Structure & Finishing								CP - Re	maining Inter	hal Structure	& Finishing				
CP17 - ML03 - Ch3444 CP - Remaining Internal Structure & Finishing									emaining lot	rnal Structur	e & Finishing				
CP16 - ML03 - Ch3345								UP-N			~~	9 			
CP - Remaining Internal Structure & Finishing									CP - Remair	ing Internal S	structure & F	inishing			
CP15 - ML03 - Ch3247															
CP - Remaining Internal Structure & Finishing		 	 	 	 				CP - Rema	aining Interna	Structure &	Finishing			
CP14 - ML03 - Ch3148 CP - Remaining Internal Structure & Finishing				 					CP	Remaining	nternal Stru	cture & Finie	ling		
CP13 - ML03 - Ch3050			1 1 1										ing i		
CP - Remaining Internal Structure & Finishing				1 						¦ P - Remainin	g Internal St	ructure & Fin	ishing		
CP12 - ML03 - Ch2951				 											
CP - Pipe Jacking Method - Break-out & Demobilization									CP ·				mobilization		
CP - Remaining Internal Structure & Finishing							 			CP-F	lemaining In	ternal Structi	re & Finishing		
CP11 - ML03 - Ch2853 CP - Pipe Jacking Method - Break-out & Demobilization										- - Pipe Jacki	ha Method -	Break-out &	Demobilization		
CP - Remaining Internal Structure & Finishing											-		ture & Finishing		
CP10 - ML03 - Ch2754										 					
CP - Pipe Jacking Method - Setup & Assembly				1 			CP - P	ipe Jacking I	lethod - Set	up & Assemb	у				
CP - Piping Jacking Method - Break-in & Excavation			 	 						CP - Piping J	acking Meth	od - Break-in	& Excavation		
CP - Pipe Jacking Method - Break-out & Demobilization		1		 	1					CP - Pip	e Jacking M	ethod - Breal	out & Demobilization		
CP - Remaining Internal Structure & Finishing				 							CP - Rem	aining Intern	al Structure & Finishing		
CP09 - ML03 - Ch2656															
CP - Pipe Jacking Method - Setup & Assembly	a.						CP	- Ріре Јаскіг	ig Method - :	Setup & Asser	-				
CP - Piping Jacking Method - Break-in & Excavation			 	 			 	1 1 1	7				n & Excavation		
CP - Pipe Jacking Method - Break-out & Demobilization CP - Remaining Internal Structure & Finishing		1	1 1 1 1	1 1 1 1	1 1 1					CP-P			ak-out & Demobilizatior		
CP - Remaining Internal Structure & Finishing				 							UP - Ren	haming Interr	al Structure & Finishing		
CP-08 - ME03 - CR2557 CP - Pipe Jacking Method - Setup & Assembly		1	- - 			-	СР	- Pipe Jackir	g Method -	setup & Asser	mbly				
CP - Piping Jacking Method - Break-in & Excavation				, 						CP	Piping Jack	ing Method -	Break-in & Excavation		
CP - Pipe Jacking Method - Break-out & Demobilization											CP - Pipe J	acking Metho	d - Break-out & Demok	pilization	
CP - Remaining Internal Structure & Finishing	1										СР	- Remaining	Internal Structure & Fin	ishing	
Sub-sea TBM Tunnel - NB - Remaining Internal Stru												·			
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP12			1 1 1 1	1 						3 - Sub-sea T	BM Tunnel -	Corbel & Ca	ole Trough - Completio	n to CP12	
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP11													able Trough - Comple		
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP10		1	 	 			 	1	1 1 1			1	bel & Cable Trough - C	1	
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP09				, , , , , ,						1			- Corbel & Cable Trou	·	
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP08		1	1 1 1 1	1 1 1 1	1 1 1					× ×			unnel - Corbel & Cable		
NB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to South Retrieval shaft			 			-							Tunnel - Corbel & Cab	e Trough - Co	mpletion to
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP19			 	, 				1		Slab installat					
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP18			1 1 1 1				_	1		OHVD Slab					
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP17									¦	el - OHVD Sla					
NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP16		1	 	 	1		 	■ NB - S	sµb-sea TBN	¦ lunnel - OH	vD Slab inst	allation - Cor '	pletion to CP16		
Page 3 of 6 Planned Bar		Т Т	MCLK - No	orthern Co	onnection	Sub-Sea	Tunnel Se	ection				Date 12-Feb-14		Checked WYu	Approved SPo
Project ID: TMCLK DWPF 17W52	itical		-		orks Progra							12-Feb-14 08-Apr-14 28-Aug-14 30-Oct-15	TMCLKDBJGEN/PRG/98507 F TMCLKDBJGEN/PRG/98507 F	Rev.B SPa Rev.C CLa	SPo WYu WYu
Planned Milestor	ie				0	,	,	. –							
Data Date: 31-Dec-17	ne	^P	rogress V	ariance of	t Major Ac	tivities as	of 31-Dec	-17							

Acti	ivity Name														
		Jan	Feb Mar	Apr	May	2017 Jun Jul	Aug	Sep	Oct	Nov	Dec	Jan	20 Feb	18 Mar	Apr
	NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP15								M Tunnel - O						<u>, b. </u>
	NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to							NB - Sub	sea TBM Tunr	nel - OHVD	Slab installa	ion - Comple	tion to CP14	4	
	CP14 NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to							NB-Su	tb-sea TBM Tu	nnel - OH\	/D Slab instal	lation - Com	oletion to CP	13	
	CP13 NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to								NB - Sub-sea⊺	IBM Tuppo		installation		n to CP12	
	CP12 NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to		· · · · · · · · · · · · · · · · · · ·		 - 		 								
	CP11				 		 		NB - Sub-sea						
	NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP10							 	NB-\$	ub-sea TB	M Tunnel - Ol	HVD Slab ins	tallation - Co	mpletion to (CP10
	NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP09						 			NB - Sub-s	ea TBM Tunn	el - OHVD S	lab installatio	on - Completi	on to CP09
	NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP08						1 1 1	1		NB-S	Sub-sea TBM	Tunnel - OH	VD Slab inst	allation - Cor	mpletion to C
	NB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to									NB -	Sub-sea TBN	1 Tunnel - Ol	IVD Slab ins	stallation - Co	mpletion to
	South Retrieval shaft NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP48	on to CP48					 				 				
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP47	etion to CP4	7				1	1 1 1						j I	
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP46	Completion						1 1 1							
	- · ·						1	1							
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP45	- Completio	դ to CP45												
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP44	Proofing - Co	mpletion to CP44												
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP43	e Proofing -	Completion to CP43				1								
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP42	nel - Fire Pro	ofing - Completion to C	P42											
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP41	nnel - Fire F	roofing - Completion to	CP41											
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP40	TBM Tunnel	- Fire Proofing - Comp	etion to CP40	x										
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP39		el - Fire Proofing - Con	1											
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP38		M Tunnel - Fire Proofin												
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP37	- Sub-sea T	BM Tunnel - Fire Proof	ng - Complet	ipn to CP37		1	- 							
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP36	NB - Su	b-sea TBM Tunnel - Fire	Proofing - C	ompletion to	CP36	1								
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP35	📜 NB-	Sub-sea TBM Tunnel -	Fire Proofing	- Completior	to CP35									
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP34		NB - Sub-sea TBM Tun	nel - Fire Pro	ofing - Compl	letion to CP34									
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP33	\ _	NB - Sub-sea TBM T	unnel - Fire P	roofing - Con	hpletion to CP33									
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP32				-	g - Completion to CP32		 							
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP31			1	1			 							
				-		fing - Completion to CP31		1 1 1						j	
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP30		NB -	Sub-sea TBN	VI Tunnel - Fir	e Proofing - Completion to	o CP30								
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP29		📜 NE	3 - Sub-sea T	BM Tunnel - F	rire Proofing - Completion	to CP29								
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP28			NB - Sut	o-sea TBM Tu	nnel - Fire Proofing - Cor	mpletion to CF	28							
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP27			NB - S	ub-sea TBM	Tunnel - Fire Proofing - C	ompletion to	CP27							
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP26				NB - Sub-se	ea TBM Tunnel - Fire Pro	ofing - Compl	etion to CP2	6						
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP25					sea TBM Tunnel - Fire Pi		1						j I	
	· · ·														
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP24		· · · · · · · · · · · · · · · · · · ·			- Sub-sea TBM Tunnel -									
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP23					NB - Sub-sea TBM Tunnel	- Fire Proofir	ng - Complet	ion to CP23						
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP22					NB - Sub-sea TBM	Tunnel - Fire	Proofing - C	ompletion to C	P22					
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP21					NB - Sub-sea TBI	M Tunnel - Fir	e Proofing -	Completion to	CP21					
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP20					NB - Sub-	sea TBM Tun	¦ hel - Fire Pro	ofing - Compl	etion to CP	20				
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP19					NB - Sul	b-sea TBM Tu	innel - Fire F	roofing - Com	pletion to 0	P19				
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP18					· · · · · · · · · · · · · · · · · · ·								;	
									- Fire Proofing						
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP17						NB - Sub-se	a TBM Tunr	el - Fire Proof	ing - Comp	letion to CP1	7			
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP16						NB - :	Sub-sea TBI	M Tunnel - Fire	Proofing -	Completion t	o CP16			
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP15							- Sub-sea T	BM Tunnel - F	ire Proofin	g - Completio	n to CP15			
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP14							NB - Sul	o-sea TBM Tur	nnel - Fire F	roofing - Co	npletion to C	P14		
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP13		· · · · · · · · · · · · · · · · · · ·					NB-S	ub-sea TBM T	unnel - Fire	e' Proofing - C	ompletion to	CP13		
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP12								NB - Sub-sea		_			2	
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP11							<u> </u>			nnel - Fire Pro				
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP10							 	NB -		BM Tunnel - F				
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP09				 		 			NB - Sub	sea TBM Tun	nel - Fire Pr	ofing - Com	pletion to CP	09
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP08			1	1					NB -	Sub-sea TBN	1 Tunnel - Fir	e Proofing -	Completion t	o CP08
	NB - Sub-sea TBM Tunnel - Fire Proofing - Completion to South Retrieval Shaft	1			 					NB	- Sub-sea TB	M Tunnel - F	ire Proofing	- Completion	to South Re
	NB - Sub-sea TBM Tunnel - Road Level Fire Proofing	1					!	1			1 				
	NB Tunnel - Road works & Road marking							1							
	Sub-sea TBM Tunnel - SB - Remaining Internal Stru	1	1 I 1 I 1 I 1 I				I I I	1							
	SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to		 		 		SB - Sul	þ-sea TBM 1	unnel - Corbe	l & Cable T	rough - Com	letion to CP	16		
	CP16 SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to						SB - S	ub-sea TBM	Tunnel - Cort	oel & Cable	Trough - Co	npletion to C	P15		
	CP15 SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to								ea TBM Tunne						
	CP14						-	1							
	SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP13							T 	sea TBM Tuni			· ·			
	SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP12								3 - Sub-sea TE		!				
	SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP11								SB - Sub-sea	TBM Tunne	el - Corbel & (able Trough	- Completio	n to CP11	
	SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP10								🗖 SB-S	ub-sea TBN	V Tunnel - Co	rbel & Cable	Trough - Co	mpletion to (CP10
		L	<u>, I</u>	•		• • •	i						<u> </u>		
Pag	ge 4 of 6 Planned Bar		TMCLK - N	Iorthern C	onnection	Sub-Sea Tunnel Se	ection				Date 12-Feb-14		Revision GEN/PRG/98507	Checked WYu	Approved SPo
Proi	ject ID: TMCLK DWPF 17W52			etailed W/	orks Progr	amme (Rev. F)					08-Apr-14 28-Aug-14 30-Oct-15	TMCLK/DBJ	GEN/PRG/98507 Rev. GEN/PRG/98507 Rev. GEN/PRG/98507 Rev.	v.C CLa	WYu WYu
	Planned Milestor	le			-									-	
Data	a Date: 31-Dec-17 Progress bar	ne	Progress	/ariance o	f Major Act	tivities as of 31-Dec	-17								
	• • • • • • • • • • • • • • • • • • •														

Activity Name															
	Jan	Feb	Mar	Apr	May	20 Jun)17 Jul	Aug	Sep	Oct Nov	Dec	Jan	20 Feb	018 Mar	Apr
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to CP09										SB - Sub-sea TE		-		-	
SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to	-									SB - Sub-	sea TBM Tu	nnel - Corbel	& Cable Tro	ugh - Compl	etion to CP0
CP08 SB - Sub-sea TBM Tunnel - Corbel & Cable Trough - Completion to	-			1 1 1	1 1 1			1 1 1		SB - SU	h-sea TRM	Tunnel - Corb	al & Cable "	Frough - Com	inletion to Sc
South Retrieval shaft					, , ,	<u></u>		, , ,							
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP22	_				1 1 1	SB-Su	b-sea TBM T	unnel - OHV	D Slab insta	lation - Completion to CP	22	1			
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP21						SB - 9	bub-sea TBN	Tunnel - Ol	IVD Slab ins	tallation - Completion to C	P21				
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to	-			1 1 1	, , ,		SB - Sub-s	ea TBM Tuni	nel - OHVD S	ab installation - Complet	on to CP20				
CP20 SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to	-				1 1 1		SB - Sub-	sea TBM Tu	hnel - OHVE	Slab installation - Compl	etion to CP1	9			
CP19	_				1	-		1 1 1			1				
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP18					, , ,,			B - Sub-sea	IBM Tunnel	OHVD Slab installation	Completion	to CP18			
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP17					1			SB - Sub-se	ea TBM Tunn	el - OHVD Slab installatio	n - Completi	on to CP17			
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to	-				1			SB-:	Sub-sea TBN	Tunnel - OHVD Slab ins	allation - Co	npletion to C	216		
CP16 SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to	-				, , ,			SB	- Sub-sea T	BM Tunnel - OHVD Slab i	hstallation - (Completion to	CP15		
CP15	-				1			_							
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP14									SB - Sub	sea TBM Tunnel - OHVD	Slab installa	tion - Comple	tion to CP1	4	
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP13					1 1 1			1 1 1	SB - S	b-sea TBM Tunnel - OH	D Slab insta	lation - Com	pletion to CF	13	
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to				<u> </u>	 			{ }		SB - Sub-sea TBM Tunne	- OHVD Sk	b installation	- Completic	on to CP12	
CP12 SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to	-				, , ,					SB - Sub-sea TBM Tun		Slah installati		tion to CP11	
CP11					1			1	. •		1	1		: :	:
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to CP10					1			1		SB - Sub-sea TE	3M Tunnel - (OHVD Slab in	stallation - (Completion to	CP10
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to	-				, , ,			, , ,		SB - Sub-sea	BM Tunnel -	OHVD Slab	nstallation -	Completion	to CP09
CP09 SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to					1			 	1 1 1	SB - Sul	¢-sea TBM T	unnel - OHVD	Slab instal	lation - Comr	letion to CP
CP08															
SB - Sub-sea TBM Tunnel - OHVD Slab installation - Completion to South Retrieval shaft								1		SB-S	ub-sea IBM	1 Tunnel - OHV	inst מאוכ ט	anation - Con	pretion to S
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP48	ion to CP48	3						 					1		
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP47	etion to CP	47			1										
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP46	Completion	to CP46						1 1 1	1 						1
								1 1 1							
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP45	I - Completi	idn to CP45			, , , ,				, , ,						
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP44	Proofing - (Completion 1	to CP44				= = = = = = = =								
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP43	re Proofin <u>a</u>	- Completio	n to CP43					1							
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP42	inel - Fire P	roofing - Co	mpletion to C	P42	1 1 1			1 1 1							
			mpletion to C		-			 					1		
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP41	unnel - Fire	Proofing - C	Completion to	CP41											i.
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP40	TBM Tunn	el - Fire Pro	ofing - Compl	etion to CP4	0										
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP39	ea TBM Tur	nnel - Fire Pi	roofing - Com	pletion to CF	39										
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP38		i i	Fire Proofing												1
	Sub-sea i	bivi lunnei -	Fire Probling	- Completio											
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP37	B - Sub-sea	TBM Tunne	el - Fire Proofi	ng - Comple	tion to CP37										
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP36	B-SB-S	ub-sea TBM	Tunnel - Fire	Proofing - C	ompletion to	CP36		1 1 1							
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP35	SB	-'Sub-sea T	BM Tunnel - F	ire Proofina	- Completion	to CP35		1							
		2	¦			¦								!	
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP34	7	SB - Sub-se	ea TBM Tunn	el - Fire Proc	ofing - Compl	etion to CP3	4								
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP33		SB - Sut	sea TBM Tu	nnel - Fire P	roofing - Cor	hpletion to C	233	1							
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP32		1 •	B - Sub-sea	TBM Tunnel	- Fire Proofir	¦ 1g - Completi	on to CP32								1
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP31	-		SB - Sub-se	a TBM Tunn	el - Fire Proc	¦ http://fingComp	etion to CP3	1							
	-				1			1							
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP30			SB-	Sub-sea TB	M Tunnel - F	ire Proofing -	Completion	to CP30			 				
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP29			📕 SE	- Sub-sea 1	BM Tunnel -	Fire Proofin	g - Completio	n to CP29	}						
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP28	-			SB - Sul	b-sea TBM T	: ünnel - Fire F	roofing - Co	mpletion to C	P28						1
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP27	-					L Tuppol - Fire	Proofing		CP27						
	-			30-3			Proofing - C	Sompletion to							
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP26				7	SB - Sub-	sea TBM Tun	nel - Fire Pro	ofing - Com	pletion to CP	26	1 1 1				
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP25					SB - Su	b-sea TBM T	unnel - Fire F	roofing - Co	mpletion to (P25					1
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP24					SI	- Sub-sea	BM Tunnel -	Fire Proofin	g - Completi	on to CP24	L				
	-														
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP23				 				1		ation to CP23	 				
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP22						SB-S	ub-sea TBM	Tunnel - Fire	e Proofing - (Completion to CP22					
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP21				1	1	SB	Sub-sea TB	M Tunnel - F	Fire Proofing	Completion to CP21	1				
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP20	1			 	1 1 1		SB - Sub-	sea TBM Tu	nnel - Fire P	bofing - Completion to CF	20				
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP19						····· ·			ļ	ļ					
			1	1	1					Proofing - Completion to (
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP18				 	1		7	SB - Sub-se	a TBM Tunne	al - Fire Proofing - Comple	tion to CP18	i i			1
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP17								SB - Sub-	sea TBM Tun	nel - Fire Proofing - Com	letion to CP	17			
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP16								SB	- Sub-sea TF	M Tunnel - Fire Proofing	Completion	to CP16			j I
	-			 	1 1 1										
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP15					; ; ;			s s	bo - Sub-sea	TBM Tunnel - Fire Proofir	ıg - Complet	on to CP15			
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP14					1				SB - SI	b-sea TBM Tunnel - Fire	Proofing - Co	ompletion to ¢	P14		
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP13								 	SB-	Sub-sea TBM Tunnel - Fir	e Proofing -	Completion to	CP13		
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP12	-		1 1 1	 	1 1			 		SB - Sub-sea TBM Tunr	lel - Fire Pro	ofina - Como	etion to CP	12	
				 	1 1 1			 	7			· · ·		i i	
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP11				1				1 1 1	1	SB - Sub-sea TBM Tu	nnel - Fire P	roofing - Com	pletion to C	P11	1
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP10				1 	, , ,			1 1 1	r 1 1	SB - Sub-sea	BM Tunnel -	Fire Proofing	- Completi	on to CP10	J.
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP09					¦ , ,	{ }		¦		SB - Sub-sea	TBM Tunnel	- Fire Proofin	g - Comple	tion to CP09	
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to CP08	-							1 1 1			1	M Tunnel - Fire		1	1
				1 	1 1 1			1 1 1	r 1 1	\mathbf{N}					
SB - Sub-sea TBM Tunnel - Fire Proofing - Completion to South Retrieval Shaft			1 1 1	 	1 1 1			1 1 		SB	Sub-sea TE	BM Tunnel - Fi	re Proofing	- Completion	to South Re
Page 5 of 6				orthorn C	opposition	Sub C	Tunnal O	otion			Date		Revision	Checked	Approved
Page 5 of 6	111 a 1		MCLK - N	ormern Co	JUNECTION	SUD-Sea	runnel Se	GUUN			12-Feb-1 08-Apr-1-	4 TMCLK/DBJG	EN/PRG/98507 EN/PRG/98507 Rev		SPo WYu
Project ID: TMCLK DWPF 17W52			De	tailed Wo	orks Progra	amme (Re	v. F)				28-Aug-1 30-Oct-15		EN/PRG/98507 Re EN/PRG/98507 Re		WYu
		.	Prograam	ariance - '	Major Ar	tivition of	of 21 D	.17							
Data Date: 31-Dec-17	ne		Progress V	anance of	wajor Ac	uvilles as	UI JI-DEC	-1/							

ctivity Name														
	Jan	Feb	Mar	Apr	May	20 Jun	017 Jul Aug	Sep	Oct	Nov	Dec	Jan	20 Feb	18 Mar Apr
SB - Remaining Fire Proofing in Tunnel									• ;		1			\$B - Rema
SB Tunnel - Road works & Road Marking					1 1 1									
Southern Landfall				÷						 ! !				
South Cut & Cover Tunnel Construction					 					1 1 1				
South C&C Tunnel - Diaph ragm Wall	_	1			, , , ,			1						
C&C Tunnel - 1st 85m - Excavation by ramp	n.				 									
C&C Tunnel - 1st 85m - Excavation by vertical mean					, 									
C&C Tunnel - 1st 85m - Tunnel Structure					 									
C&C Tunnel - 1st 85m - Backfilling					, , , ,									
C&C Tunnel - 2nd 85m - Excavation by ramp	4				 									
C&C Tunnel - 2nd 85m - Excavation by vertical mean	n.	1			, 			1						
C&C Tunnel - 2nd 85m - Tunnel Structure		 	, , ,		; ; ;			, , , ,		, , ,	, , ,			
C&C Tunnel - 2nd 85m - Backfilling					 			1						
C&C Tunnel - 3rd 85m - Excavation by ramp					 									
C&C Tunnel - 3rd 85m - Excavation by vertical mean														
C&C Tunnel - 3rd 85m - Tunnel Structure	- Tunnel Str	nucture			1 1 1 1									
C&C Tunnel - 3rd 85m - Backfilling	rd 85m - Ba				 					 				
C&C Tunnel - 4th 85m - Excavation by ramp	a som - Da	eruniin (g			, , , ,									
C&C Tunnel - 4th 85m - Excavation by vertical mean	nean													
C&C Tunnel - 4th 85m - Tunnel Structure					1 									
	Tunnel - 4th	85m - Tunn	el Structure		 									
C&C Tunnel - 5th 85m - Excavation by ramp		 			 					 				
C&C Tunnel - 5th 85m - E xcavation by vertical mean	ation by vert	tical mean			, 									
C&C Tunnel - 6th 85m - E xcavation by ramp	amp				 									
C&C Tunnel - 6th 85m - E xcavation by vertical mean		-	y vertical me	an	 									
C&C Tunnel - 7th 152m - Excavation by ramp	th 152m - E>	cavation by	ramp		 									
South Retrieval Shaft Construction														
	haft - Temp. S	\$lab/Prepa	e for TBM B	reakthrough	, , , ,									
Retrieval Shaft - Mobilization for Retrieval Shaft Tunnel Structure	n				 		Retrieval Shaft - M	obilization f	or Retrieval S	haft Tunnel S	tructure			
Retrieval Shaft - Tunnel Structure					, , , ,				1	; ;	1		Retr	eval Shaft - Tunnel St
Retrieval Shaft - Tunnel Structure - Provision for TCSS/E&MS works for KD-3					 									Retrieval Sh
Retrieval Shaft - Vent duct Structure & Backfilling					J I I I									
South Ventilation Building														
Construction S - Piling (Socket H-piles)	-				 									
S - Pile Test					 									
S - Prie Test S - Sheet Piling					 		· · · · · · · · · · · · · · · · · · ·							L
S-Sneet Pling S- Excavation		1	1		 			 		- - - -				
	Out-to a				1 1 1 1									
Substructure	Substructu	μe		up e maleur e t				1		1				
Superstructure			s	uperstructur	ຍ 				B artolation	Marte				
Finishing Works						ļ			Finishing					
E&MS & Equipments Installation (by Others)								aivis & Equ	ipments Insta			Martin		
Remaining Finishing Works										1	ng Finishing V	VORKS		
Handover Portion N10					 					Handove	r Portion N16)		
South Surface Roadworks, Utility & Drainage works Construction														
South Landfall - Seawall Modification							,		-					
South Landfall - Road Furniture														
Testing & Commissioning/Inspection & Handover					 									
Final Inspection & Handover					 									
Construction Statutory Inspection					, ,		, , , , , , , , , , , , , , , , , , ,							
Final Inspection & Handover														
			1		1 1					1				

A

Project ID: TMCLK DWPF 17W52 Planned Bar - Critical Planned Bar - Critical Planned Bar - Critical Planned Bar - Critical Planned Milestone Detailed Works Programme (Rev. F)	Page 6 of 6	Planned Bar	TMCLK - Northern Connection Sub-Sea Tunnel Section	Date 12-Feb-14	Revision TMCLK/DBJ/GEN/PRG/98507	Checked WYu	Approved SPo
Project ID: TMCLK DWPF 17W52 Planned Milestone Detailed Works Programme (Rev. F)	, Contraction of the second se			08-Apr-14	TMCLK/DBJGEN/PRG/98507 Rev.B		WYu WYu
Data Date: 31-Dec-17 Progress bar Progress Variance of Maior Activities as of 31-Dec-17	Project ID: TMCLK DWPF 17W52		Detailed Works Programme (Rev. F)		TMCLKDBJGEN/PRG/98507 Rev.F	WYu	
♦ Progress Milestone	Data Date: 31-Dec-17	ů	Progress Variance of Major Activities as of 31-Dec-17				