Appendix B

Proforma for EM&A Programme

Monitoring Location

Data Sheet for TSP Monitoring

Details of Location					
Sampler Identification					
Date & Time of Sampli	ing				
Elapsed-time	Start	(min.)			
Meter Reading	Stop	(min.)			
Total Sampling Time (r	min.)				
Weather Conditions					
Site Conditions					
	Pi	(mmHg)			
Initial Flow	Ti	(°C)			
Rate, Qsi	Hi	(in.)			
	Qsi	(Std. m³)			
	Pf	(mmHg)			
Final Flow	Tf	(°C)			
Rate, Qsf	Hf	(in.)			
	Qsf	(Std. m³)			
Average Flow Rate	(Std. m ³)			
Total Volume	(Std. m ³)			
Filter Identification No.	•				
Initial Wt. of Filter	(g)				
Final Wt. of Filter	(g)				
Measured TSP Level	$(\mu g/m^3)$				
	<u>N</u>	ame & Designat	<u>ion</u>	<u>Signature</u>	<u>Date</u>
Field Operator:				,	_
Laboratory Staff:					_
Checked by:					_

Noise Monitoring Field Record Sheet

Monitoring Location				
Description of Location				
Date of Monitoring				
Measurement Start Time	e (hh:mm)			
Measurement Time Len	gth (min.)			
Noise Meter Model/Ider	ntification			
Calibrator Model/Identif	fication			
Measurement	L ₉₀ (dB(A))			
Results	L_{10} (dB(A))			
results	L _{eq} (dB(A))			
Major Construction Nois Monitoring	se Source(s) During			
Other Noise Source(s)	Ouring Monitoring			
Remarks				
	Name & Designati	ion_	<u>Signature</u>	<u>Date</u>
Recorded by:				
Checked by:				

Data Format for Water Quality Monitoring

A. The data base structure for water quality monitoring is listed below. The ET shall select the related field names to create their own data recording sheet.

Field Name	Type	Width	Dec	Remark
Project/contract ID	C	3		Given by EPD
Works Area ID	С	2		Given by EPD
SamStn	С	3		Sampling Station
Latitude	С	10		Latitude of Sampling Station
Longitude	С	10		Longitude of Sampling Station
Easting	С	6		HK Grid (Easting) of Sampling Station
Northing	С	6		HK Grid (Northing) of Sampling Station
Date	D	8		Sampling Date
Time	С	5		Sampling Time
Replicate	С	1		1 = first sample; 2 = duplicated sample; etc
StnPurpose	С	1		Purpose of Sampling Station (C = control; I = Impact; S = Sensitive
_				receiver; etc)
SamPurpose	С	1		Purpose of Sample (B = baseline; I = Impact)
Weather	С	20		(sunshine, precipitation, humidity, air temperature)
TideStatus	С	10		Tidal Status (e.g. mid_ebb; mid-flood)
WaterDepth	N	4	1	Depth of water column in meter
SamDepthM	N	4	1	Depth of sample taken in meter
SamDepth	C	1		Depth sample taken (S = surface; M = middle; B = bottom)
WaterTemp	N	4	1	Water Temperature
Salinity	N	6	2	
DO	N	6	2	Dissolved Oxygen
DOS	N	6	2	Dissolved Oxygen in % saturation
Turbidity	N	6	2	
SS	N	6	2	Suspended solids
Metals_T	N	6	2	Total metals (approx. 7 parameters, and can be more)
Metals_D	N	6	2	Dissolved metals (approx. 7 parameters, and can be more)
Trace organic	N	6	2	Trace organic (e.g. PAHs, PCBs etc can be a lot)
Nutrients	N	6	2	Nutrients (include several parameters such as NO ₂ _N, NO ₃ _N,
				NH ₃ N, TP, OP etc)
DOB	N	6	2	
COD	N	6	2	
Chlorophyll_a	N	6	2	
Ecoli	N	10	0	
Fcoliform	N	10	0	Faecal coliform
PARA				Other parameters not listed above. (Confirm with EPD individually)

(Remark: enter 999.99 to any numeric field that have no reading. Please note that "zero" is also a valid data)

B. Details of water analytical methods and detection limits for different parameters.

Parameter	Limits of detection for WQ parameters	Units of measurement for WQ parameters	Analytical methods
e.g. DO			
e.g. Cd_T			
etc			

- C. Apart from A and B, the following information shall also be provided:
 - 1. Project name, contract number, consultant name and telephone, contractor name, contact person and telephone number, site staffs and telephone.
 - 2. Project commencement date and the proposed completion date, frequency of sampling and project work nature, e.g. dumping, dredging or reclamation.
 - 3. List of site instrument for water quality monitoring.

Water Quality Monitoring Data Record Sheet

Monitoring Location	on			
Date (dd/mm/yy)				
Start Time (hh	n:mm)			
Weather				
Sea Conditions				
Tidal Mode				
Water Depth (m)			
Monitoring Depth		Surface	Middle	Bottom
рН				
Temperature	(°C)			
Turbidity	(NTU)			
Salinity	(ppt)			
DO Saturation	(%)			
DO	(mg/l)			
SS Sample Identifie	cation			
SS	(mg/L)			
Observed	<100m from location		1	
Construction Activities	>100m from location			
Other Observations				
	Name & Desig	gnation	Signature	<u>Date</u>
Recorded by:				_
Checked by:				
Note: The SS results	s are to be filled up once they	are available from	the laboratory.	

Sample Template for Interim Notifications of Environmental Quality Limits Exceedances

Incident Report on Action Level or Limit Level Non-compliance

Project					
Date					
Time					
Monitoring Location					
Parameter					
Action & Limit Levels	1				
Measured Level					
Possible reason for Ac Non-compliance	tion or Limit Level				
Actions taken / to be ta	nken				
Remarks					
			Locatio	on Plan	
Prepared by:					
Designation:					
Signature:					
Date:					

			Complaint Log	Ref:	
Log Ref	Date/Location	Complainant/ Date of Contact	Details of Complaint	Investigation/Mitigation Action	File Closed
Filed by 1	Environmental Team	Leader:		Date:	_

	Implementation Status Proforma	Ref:
Ref**	Environmental Protection Measures*	Implementation Status
	l recommendations and requirements resulted during the Course of EIA/EA Process, including ACE and/or accepted public A Ref/EM&A Log Ref/Design Document Ref	comment to the proposed project.
Signed by	Environmental Team Leader: Date:	·
Audited by	y Independent Checker (Environment): Date:	

			Site Inspection Proforma		Ref:
Date	Location	Req't Ref.*	Observation/Deficiency	Mitigation Action** (Responsible Agency)	Date of Confirmation***
** Spe	cific Environmental Mitigati	on Measures should	ronmental Protection Contract Clause be stated, such as, equipment, processes, syst l Environmental Protection Action	ems, practices or technologies.	
This Profor	rma is an Environmenta	l Protection Instr	ruction for:	on	
Signed by 1	Environmental Team Le	eader:		Date:	
Copy to Inc	dependent Checker (Env	vironment)			

					I	Data Reco	overy Sc	hedule						Ref:	
Date			Air Quality	У				Noise				V	Vater Quali	ty	
		Mon	itoring Sta	tion*			Monitoring Location*			Monitoring Location*					
	A1	A2	A3	A4	A5	N1	N2	N3	N4	N5	W1	W2	W3	W4	W5
1 2 3 4 5 6 7 8 9 10 11 12 13 14															
3															
4															
5															
6															
·/															
9															
10															
11															
12															
13															
15															
16															
17															
18 19 20 21 22 23 24 25 26 27 28 29 30 31 % of R															
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23															
25															
26															
27															
28															
30															
31															
% of R				· ·	II.			1							1
* R	Remark type o The percentag	f parameters e of Data Rec	overy is the a	ctual monitor	ing over the s	cheduled mon	itoring								
		mental Te								Da	ate:				
Copy to I	ındepende	ent Checke	er (Enviro	nment)											

	Ref:			
Ref*	Proposed Construction Method**	Location/ Working Period	Anticipated Impacts	Recommended Mitigation Measures
	1 Ref/EM&A Log Ref/Design Document Ref tails of equipment, vehicles, plants, processes, te	chnologies for the option of c	construction method	
Reviewed	by Environmental Team Leader:			Date:
Approved	by Independent Checker (Environment)	:		Date:

	Ref:		
Ref*	Environmental License/Permit*	Control Area/Facility/Location	Effective Date
	f Applicant, Business Corporation, relevant regulation and remark of erence of the license/permittee	license/permit conditions	
ecorded by E	nvironmental Team Leader:	Date:	
igned by Inde	ependent Checker (Environment):	Date:	