## APPENDIX 1-2 IMPLEMENTATION SCHEDULE AND RECOMMENDED MITIGATION MEASURES

## Table 1 Implementation Schedule for Air Quality Control

EIA Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve
Construct	ion Phase					
S3.5.8	• Dust suppression measures stipulated in the Air Pollution Control (Construction Dust) Regulation and good site practices:		Contractor and Sub-contractors		Construction Phase	Air Pollution Control (Construction
	• Every temporary access road shall be paved with concrete, bituminous materials, hardcores or metal plates, and kept clear of dusty materials; or sprayed with water or a dust suppression chemical.					Dust) Regulation
	• Any stockpile of dusty materials shall be covered entirely by impervious sheeting, placed in an area sheltered on the top and the 3 sides, or sprayed with water or a dust suppression chemical.					
	• All dusty materials shall be sprayed with water or a dust suppression chemical immediately prior to any loading, unloading or transfer operation.					
	• Vehicles used for transporting dusty materials should be covered with tarpaulin.					
	• Vehicle wheel washing facilities should be provided at each construction site exit.					
	• Where a vehicle leaving a construction site is carrying a load of dusty materials, the load shall be covered entirely by clean impervious sheeting.					

EIA Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve
	• The speed of vehicles on unpaved road within the site should be controlled to about 10 km/hr.					
	• Routing of vehicles and positioning of construction plants should be arranged at maximum possible distances from the sensitive receivers.					
	• Every stock of more than 20 bags of cement and dry pulverized fuel ash (PFA) shall be covered entirely by impervious sheeting or placed in an area sheltered on the top and the 3 sides.					
	• Loading, unloading, transfer, handling or storage of large amount of cement or dry PFA should be carried out in a totally enclosed system or facility, and any vent or exhaust should be fitted with the an effective fabric filter or equivalent air pollution control system.					
	• Exposed earth shall be properly treated by compaction, turfing, hydroseeding, vegetation planting or sealing with latex, vinyl, bitumen, shotcrete or other suitable surface stabilizer within 6 months after the last construction activity on the construction site or part of the construction site where the exposed earth lies.					

 Table.2
 Implementation Schedule for Noise Control

EIA Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve
	tion Phase		T			
S4.8.1	• Selection and optimisation of construction programmes, avoidance of parallel operation of noisy PME, and/or reduction in the proportion of usage of PME during noise sensitive periods such as school examination period;	To reduce potential construction noise impact	Contractor	All works sites	Construction Phase	EIAO-TM, NCO
	Use of "quiet" PME and working methods;					
	• Use of temporary at-source noise mitigation measures such as noise barriers, acoustic fabric, noise enclosures, noise jacket and mufflers; and					
	• Use of good site practice to limit noise emission from construction site.					
S4.8.2	Selection and Programming of Construction Processes	To reduce	Contractor	All works	Construction	EIAO-TM,
	• The timing and sequencing of the various construction activities shall be carefully arranged according to the actual site work situation, in order to limit the amount of concurrent activities and where applicable, to avoid parallel operation of noisy PME in order to minimize the total noise generated during construction periods.	potential construction noise impact		sites	Phase	NCO
	• Limiting the quantity of PME to be operated concurrently and also their proportion of usage were recommended in the Project and incorporated in this assessment.					
	• In the case during school examination when more					

EIA Ref.	Re	ecommended M	litigation Meas	ures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve
	the potent	tially most disr e avoided, and	se criteria shoul ruptive construct arranged to far as practicab	tion activities be conducted					
S4.8.3 – 4.8.5	<ul> <li>Use of "Quiet" Alternative Plant and Working Methods</li> <li>The use of particular plant with equipment noise levels quieter than those specified in the GW-TM can result in reduction of noise levels generated by the plant. The level of noise reduction achieved is dependent on the Contractor's chosen methods of working. It is possible for the Contractor to achieve noise reductions from the adopted working methodologies by specifying maximum limits of sound power level for specific plant.</li> <li>Examples of "quiet" PME and alternative PME:</li> </ul>		To reduce potential construction noise impact	Contractor	All works sites	Construction Phase	EIAO-TM, NCO		
	ID Code in GW-TM	Descriptions of PME	"Quiet" PME example on QPME list [1]	"Quiet"					
	CNP 004	Asphalt Paver	EPD-01226 (VOLVO ABG5770)	104					
	CNP 081	Excavator, Wheeled/ Tracked	EPD-01896 (HYUNDAI R80CR-9)	98					

EIA Ref.	Recommended Mitigation Measures			Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	
	ID Code in GW- TM	Descriptions of PME	"Quiet" PME example on QPME list [1]	"Quiet"					
	CNP 048	Mobile Crane	EPD-01516 (KOBELCO CKS900)	101					
	CNP 170	Poker, vibratory, hand held	Poker, vibratory, hand held (electric)	102					
	CNP 185	Road Roller	EPD-01806 (KANTO- TK KV25DS)	95					
	Note: [1] QI	PME list availab	ole on the EPD v	vebsite					
S4.8.6 – S4.8.9	Use of Ten breaker, wheeled/trac crane; poke hand-held of asphalt pay density of the	mini-robot recked; lorry; lorry; lorry; lorry; handhain saw; coner; air compresse movable nois	Barrier/ Acous mounted; excert with crane ad-held (electric acrete pump, lossor. The minute barrier is 10kg movable barr	avator/loader, /grab; mobile ); road roller; /rry mounted; imum surface /g/m <sup>2</sup> .	To reduce potential construction noise impact	Contractor	All works sites	Construction Phase	EIAO-TM, NCO
	footing and	l a small canti	levered upper s of the grab and	portion to be					

EIA Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve
S4.8.10	plants.  When temporary noise barriers are not practicable or noise reduction achieved is insufficient, noise jacket/muffler can be applied to cover the noisy part of the engine or at the engine exhaust of particular mobile plants respectively.  Good Site Practice:  • Use of well-maintained and regularly-serviced plant during the works;  • Plant operating on intermittent basis should be turned off or throttled down when not in active use;  • Plant that is known to emit noise strongly in one direction should be orientated to face away from the NSRs;  • Silencers, mufflers and enclosures for plant should be used where possible and maintained adequately throughout the works;  • Where possible fixed plants should be sited away from NSRs; and  • Stockpiles of excavated materials and other structures such as site buildings should be used effectively to screen noise from the works.	To reduce potential construction noise impact	Contractor	All works sites	Construction Phase	EIAO-TM, NCO

EIA Ref.		Recommended N		Measures		Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve	
		se (Road Traffic Nosi					1				
S4.8.18	Dire	ct mitigation measures	for existing	ng NSRs:		To reduce traffic	Project	Project	Design and	EIAO-TM	
	ID	Description	Length (m)	Location		noise impact at nearby NSRs	Proponent/ Contractor	Roads	construction phases prior		
	A	5.5m high with 2.5m cantilevered barrier at 45°	85	Bridge H Southbound				to the operation of the Project			
	В	5.5m vertical barrier	20	Bridge H Southbound							
	С	5.5m high with 2.5m cantilevered barrier at 45°	230	Bridge H Southbound							
	D	5.5m high with 3.5m cantilevered barrier at 45°	45	Bridge H Southbound							
	-	Low Noise Road Surfacing [1]	-	Bridge G&H (i.e. All Project Roads)							
	Note	es:	l		1						
	1	Low noise road surfawith speed 70kph omitigation measure hunmitigated scenario acraffic noise impact and	or above nas been and mitiga	in general. Su included in bo	ich oth						
	meas	ould be noted that the sures would be subjected letail design stage.	•	_							

 Table 3
 Implementation Schedule for Water Quality Control

EIA Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve
\$5.9.2	<ul> <li>In accordance with ProPECC PN 1/94, construction phase mitigation measures with good management practices should include the following:</li> <li>At the establishment of works site, perimeter drains to direct off-site water around the Site should be constructed with internal drainage works and erosion and sedimentation control facilities implemented. Channels (both temporary and permanent drainage pipes and culverts), earth bunds or sand bag barriers should be provided to divert the stormwater to silt removal facilities. The design of the temporary onsite drainage system will be undertaken by the Contractor prior to the commencement of construction;</li> <li>Dikes or embankments for flood protection should be implemented around the boundaries of earthwork areas. Temporary ditches should be provided to facilitate the run-off discharge into an appropriate watercourse, through a silt/sediment trap. Silt/sediment traps should also be incorporated in the permanent drainage channels to enhance deposition rates;</li> <li>The design of efficient silt removal facilities should</li> </ul>		Contractor and Sub-contractors	All work sites	Construction Phase	Water Pollution Control Ordinance, ProPECC PN 1/94
	be based on the guidelines in Appendix A1 of ProPECC PN 1/94, which states that the retention					

EIA Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve
	time for silt / sand traps should be 5 minutes under maximum flow conditions. A sedimentation basin would be required when necessary. The detailed design of the silt / sand traps should be undertaken by the Contractor prior to the commencement of construction;					
	• The construction works should be programmed to minimise surface excavation works during rainy seasons (April to September), as possible. All exposed earth areas should be completed and vegetated as soon as possible after the earthworks have been completed. If excavation of soil cannot be avoided during the rainy season, or at any time of year when rainstorms are likely, exposed slope surfaces should be covered by tarpaulin or other means;					
	• The overall slope of works sites should be kept to a minimum to reduce the erosive potential of surface water flows, and all trafficked areas and access roads should be protected by coarse stone ballast. An additional advantage accruing from the use of crushed stone is the positive traction gained during the prolonged periods of inclement weather and the reduction of surface sheet flows;					
	• All drainage facilities and erosion and sediment control structures should be regularly inspected and maintained to ensure their proper and efficient operation at all times particularly following					

EIA Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve
	rainstorms. Deposited silts and grits should be removed regularly and disposed of by spreading evenly over stable, vegetated areas;					
	• Measures should be taken to minimise the ingress of site drainage into excavations. If the excavation of trenches in wet season is inevitable, they should be dug and backfilled in short sections wherever practicable. The water pumped out from trenches or foundation excavations should be discharged into storm drains via silt removal facilities;					
	• All open stockpiles of construction materials (for example, aggregates, sand and fill material) should be covered with tarpaulin or similar fabric during rainstorms. Measures should be taken to prevent the washing away of construction materials, soil, silt or debris into any drainage system;					
	• Manholes (including newly constructed ones) should always be adequately covered and temporarily sealed so as to prevent silt, construction materials or debris being washed into the drainage system and storm runoff being directed into foul sewers;					
	• Precautions to be taken at any time of the year when rainstorms are likely, actions to be taken when a rainstorm is imminent or forecasted and during or after rainstorms, are summarised in Appendix A2 of ProPECC PN 1/94. Particular attention should be					

EIA Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve
	paid to the control of silty surface run-off during storm events;					
	• All vehicles and plant should be cleaned before leaving the Site to ensure no earth, mud, debris and the like is deposited by them on roads. An adequately designed and sited wheel washing facilities / bay should be provided at the exit of the Site where practicable. Wash-water should have sand and silt settled out and removed at least on a weekly basis to ensure the continued efficiency of the process. The section of access road leading to, and exiting from, the wheel-washing bay to public roads should be paved with sufficient backfall toward the wheel-washing bay to prevent vehicle tracking of soil and silty water to public roads and drains;					
	• Oil interceptors should be provided in the drainage system downstream of any oil / fuel pollution sources. Oil interceptors should be emptied and cleaned regularly to prevent the release of oil and grease into the storm water drainage system after accidental spillage. A bypass should be provided for oil interceptors to prevent flushing during heavy rain;					
	• The construction solid waste, debris and rubbish on- site should be collected, handled and disposed of properly to avoid causing any water quality impacts; and					

EIA Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve
	• All fuel tanks and storage areas should be provided with locks and sited on sealed areas, within bunds with adequate storage capacity to prevent spilled fuel oils.					
\$5.9.5	Control of effluent discharge     A discharge licence for discharge of effluent from the construction site under the WPCO shall be applied to the EPD for. The discharge quality must meet the requirements specified in the discharge licence.	To control the effluent discharge from the Site	Contractor and Sub-contractors	All work sites	Construction Phase	Water Pollution Control Ordinance
	• All the run-off and wastewater generated from the works areas should be treated so that it satisfies all the standards listed in the Technical Memorandum. Minimum distances of 100m should be maintained between the discharge points of construction site effluent and the existing seawater intakes.					
	• No new effluent discharges in nearby typhoon shelters should be allowed.					
	• The beneficial uses of the treated effluent for other on-site activities such as dust suppression, wheel washing and general cleaning etc., would minimise water consumption and reduce the effluent discharge volume.					
\$5.9.6	Sewage from Workforce  • Portable chemical toilets and sewage holding tanks are recommended for the handling of the construction	To control Sewage generated from on- site construction	Contractor and Sub-	All work sites	Construction	Water Pollution Control Ordinance and

EIA Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve
	<ul> <li>sewage generated by the workforce.</li> <li>A licensed Contractor should be employed to provide appropriate and adequate portable toilets and be responsible for appropriate disposal and maintenance.</li> </ul>	workers	contractors			Waste Disposal Ordinance
S5.9.7 – S5.9.8	<ul> <li>Accidental Spillage of Chemicals</li> <li>The Contractor must register as a chemical waste producer if chemical wastes would be produced from the construction activities.</li> <li>Any maintenance facilities should be located on hard standings within a bunded area, and sumps and oil interceptors should be provided.</li> <li>Maintenance of vehicles and equipment involving activities with potential for leakage and spillage should only be undertaken within the areas appropriately equipped to control these discharges.</li> </ul>	To control accidental spillage of chemicals	Contractor and Sub-contractors	All work sites	Construction Phase	EIAO-TM, Water Pollution Control Ordinance and Waste Disposal (Chemical Waste) (General) Regulation
\$5.9.9	<ul> <li>Provision of surface runoff collection system</li> <li>All surface runoff on the road shall be direct to the system.</li> <li>The capacity of the system should be properly designed to cater for all surface water.</li> <li>The system should be properly maintained and cleaned regularly to ensure good service condition.</li> </ul>	To control road surface runoff	Contractor and Sub- contractors  Highway Department	Along Road Alignment	Design and Construction Phases  Operation Phase	Water Pollution Control Ordinance

 Table 4
 Implementation Schedule of Waste Management and Land Contamination

EIA Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve
Waste Ma	nagement Plan (WMP)					
S6.6.3	WMP should be prepared and submitted for approval by the Engineer prior to any construction activities. During the construction period the WMP should be used as a working document to detail the on-going management procedures and to record waste arising from construction works and import of fill throughout the Contract. The WMP shall be subject to audit under the requirements of the Environmental Monitoring and Audit (EM&A) Procedures set out in the EM&A Manual accompanying this EIA Report.	Preparation and approval of WMP	Contractor	All works sites	Design and Construction Phases	ETWB TC(W) No. 19/2005
S6.6.4 and S6.6.5	The WMP shall be developed and implemented according to a best-practice philosophy of waste management. There are various waste management options, which can be categorised in terms of preference from an environmental viewpoint. The options considered to be more preferable have the least impacts and are more sustainable in a long-term context. The hierarchy is as follows:  • Avoidance and minimisation, i.e. avoiding or not generating waste through changing or improving practices and design;  • Reuse of materials, thus avoiding disposal (generally with only limited reprocessing);  • Recovery and recycling, thus avoiding disposal (although reprocessing may be required);	generation	Contractor	All works sites	Design and Construction Phases	ETWB TC(W) No. 19/2005

EIA Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve
	<ul> <li>Treatment and disposal, according to relevant laws, guidelines and good practice; and</li> <li>The suitability (or otherwise) of material for reuse on site shall be detailed in the WMP. If, for any reason, the recommendations cannot be implemented, full justification should be given in the WMP for approval by the Engineer.</li> </ul>					
S6.6.6	To facilitate adoption of the best-practice philosophy, training shall be provided to all personnel working on site. The training shall promote the concept of general site cleanliness and clearly explain the appropriate waste management procedures defined in the WMP.	To encourage all workers to reduce, reuse and recycle wastes.	Contractor	All works sites	Construction Phase	EIAO-TM
S6.6.7	<ul> <li>a. During construction, the WMP should be kept up-to-date on a monthly basis with records of the actual quantities of wastes generated, recycled and disposed of off-site.</li> <li>b. Quantities shall be determined by weighing each load or other methods agreed to by the Engineer's Representative. Waste shall only be disposed of at licensed sites and the WMP should include procedures to ensure that illegal disposal of wastes does not occur.</li> <li>c. Only waste haulers authorised to collect the specific category of waste concerned should be employed and a trip ticket system shall be implemented for offsite disposal of inert C&amp;D material and C&amp;D waste at public fill reception facilities and landfills.</li> </ul>	To keep trace of waste generation, minimisation, reuse and disposal	Contractor	All works sites	Construction Phase	ETWB TC(W) No. 19/2005

EIA Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve
	d. Appropriate measures should be employed to minimise windblown litter and dust during transportation by either covering trucks or transporting wastes in enclosed containers.					
S6.6.8	The WMP shall include plans indicating specific areas designated for the storage of particular types of waste, reusable and recyclable materials as well as areas and management proposals for any stockpiling areas. Generally, waste storage areas should be well maintained and cleaned regularly.	Work site(s):-  a. Arrange and manage to facilitate the proper management of wastes and materials.  b. Design to avoid cross contamination of materials and pollution of the surrounding environment.	Contractor	All works sites	Design and Construction Phases	ETWB TC(W) No. 19/2005
Inert Con	struction and Demolition Material (Inert C&D Materials)					
S6.6.9	The design of formwork should maximise the use of standard wooden panels so that high reuse levels can be achieved. Alternatives such as steel formwork or plastic facing should be considered to increase the potential for reuse.	To maximise reuse of inert C&D Materials	Contractor	All works sites	Design and Construction Phases	ETWB TC(W) No. 19/2005
S6.6.10	a. Inert C&D materials should be segregated on site into	To maximise reuse	Contractor	All works	Design and	ETWB TC(W)

EIA Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve
and S6.6.11	different waste and material types. Where materials cannot be reused on site, opportunities for recycling materials off-site shall be explored.	recycling by segregating inert C&D Materials		sites	Construction Phases	No. 19/2005
	b. Potential opportunities for recycling and reuse of inert C&D materials from the Project include:					
	• Milling wastes arising from regrading of the existing pavement could be recycled on site and reused as either road-base in the new carriageways or fill for new embankments;					
	• Existing marginal roadside barriers comprise pre-cast units, it may be possible to re-use these following widening works; and					
	• Existing bridge parapets comprise aluminium post and railings, these have a recyclable value and could be sold on for reconditioning or reused for scrap metal.					
S6.6.12	Any stockpile should be sited away from existing watercourses and suitably covered.	To prevent wind erosion and impacts on air and water quality	Contractor	All works sites	Design and Construction Phases	ETWB TC(W) No. 19/2005
S6.6.13	C&D waste which cannot be reused or recycled should be segregated and stored in different containers or skips from the inert C&D material and should be disposed of to landfill.	To facilitate disposal of C&D waste	Contractor	All works sites	Construction Phase	ETWB TC(W) No. 19/2005

EIA Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve
Marine S	ediment					
S6.6.14	Workers should, when necessary, wear appropriate personal protective equipment (PPE) when handling contaminated sediments. Adequate washing and cleaning facilities should also be provided on site.	To minimise the exposure to contaminated materials	Contactor	All works sites when necessary	Construction Phase	Practice Guide, Guidance Note, Guidance Manual
S6.6.15 and S6.6.16	<ul> <li>a. The marine sediment should be excavated, transported and processed properly.</li> <li>b. Stockpiling of contaminated sediments should be avoided as far as possible.</li> <li>c. If temporary stockpiling of contaminated sediments is necessary, the excavated sediment should be covered by tarpaulin and the area should be placed within earth bunds or sand bags to prevent leachate from entering the ground, nearby drains and surrounding water bodies. The stockpiling areas should be completely paved or covered by linings in order to avoid contamination to underlying soil or groundwater. Separate and clearly defined areas should be provided for stockpiling of contaminated and uncontaminated materials.</li> <li>d. Leachate, if any, should be collected and discharged according to the WPCO.</li> <li>e. The approved Sediment Assessment Plan and Sediment Assessment Report with Remediation Plan shall be incorporated to the WMP.</li> </ul>	To minimise any potential adverse impacts arising from the handling, treatment and reuse of the marine sediment	Contractor	All works sites	Design and Construction Phases	Practice Guide, Guidance Note, Guidance Manual

EIA Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve
Chemica	·					
S6.6.17	<ul> <li>Chemical waste should be handled in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes as follows. Containers used for the storage of chemical wastes should:</li> <li>Be suitable for the substance they are holding, resistant to corrosion, maintained in a good condition, and securely closed;</li> <li>Have a capacity of less than 450L unless the specifications have been approved by the EPD; and</li> <li>Display a label in English and Chinese in accordance</li> </ul>	packaging, handling and storage of chemical wastes	Contractor	All works sites	Construction Phase	Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes
	with instructions prescribed in Schedule 2 of the Regulations.					
S6.6.18	<ul> <li>The storage area for chemical wastes should:</li> <li>Be clearly labelled and used solely for the storage of chemical waste;</li> <li>Be enclosed on at least 3 sides;</li> <li>Have an impermeable floor and bunding, of capacity to accommodate 110% of the volume of the largest container or 20% by volume of the chemical waste stored in that area, whichever is the greatest;</li> </ul>	To reduce environmental impacts by managing storage area for chemical wastes	Contractor	All works sites	Construction Phase	Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes
	<ul><li>Have adequate ventilation;</li></ul>					
	• Be covered to prevent rainfall entering (water collected within the bund must be tested and disposed as chemical					

EIA Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve
	waste if necessary); and					
	• Be arranged so that incompatible materials are adequately separated.					
S6.6.19	The Contractor shall register with EPD as a Chemical Waste Producer. Waste oils and other chemical wastes as defined in the Waste Disposal (Chemical Waste) (General) Regulation will require disposal by appropriate means and could require pre-notification to EPD prior to disposal. Appropriate means include disposal:  • Be via a licensed waste collector; and  • Be to a facility licensed to receive chemical waste, such as the Chemical Waste Treatment Facility which also offers a chemical waste collection service and can supply the necessary storage containers	To reduce environmental impacts in disposing chemical wastes.	Contractor	All works sites	Design and Construction Phases	Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes
General H						
S6.6.20 and S6.6.21	a. General refuse generated on-site should be stored in enclosed bins or compaction units separate from construction and chemical wastes. A reputable waste collector should be employed by the Contractor to remove general refuse from the site, separately from construction and chemical wastes, on a daily or every second day basis to minimise odour, pest and litter impacts. The burning of refuse on construction sites is prohibited by law.	environmental	Contractor	All works sites	Construction Phase	Waste Disposal Ordinance (Cap 354)

EIA Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve
	b. General refuse is generated largely by food service activities on site, so reusable rather than disposable dishware should be used if feasible. Aluminum cans are often recovered from the waste stream by individual collectors if they are segregated or easily accessible. Therefore separate, labelled bins for their deposit should be provided if feasible.					
S6.6.22	Office waste can be reduced through recycling of paper if volumes are large enough to warrant collection. Opportunities for participation in a local collection scheme should be investigated.	To reduce office waste	Contractor	All works sites	Construction Phase	Waste Disposal Ordinance (Cap 354)

 Table 5
 Implementation Schedule for Landscape and Visual Impact

EIA Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve
	e and Visual Impact					
S7.9.6	For Impacts during Construction Phase:	T	1	1		Follow the
	<ul> <li>Mitigation Planting</li> <li>Replanting of disturbed vegetation should be undertaken at the earliest possible stage of the construction phase of the project and this should use the recommended transplant trees identified in the Tree Removal Recommendation.</li> </ul>	damage to these identified transplant	Contractor		Construction Phase	relevant guidelines in the ETWB TC(W) 10/2013; ETWB TC(W)2/2004; ETWB TC(W)29/2004;
						ETWB TC(W)7/2002; Tree Planting and Maintenance in HK, HKSAR 1991
						Relevant sections of the latest version of General Specifications for Civil Engineering Works, HKSAR

EIA Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve
S7.9.6	Development Site and Temporary Works Area					
	• The construction area and Contractor's temporary works area should be minimized to avoid impacts on adjacent landscape		Contractor	The project area where appropriate	Construction Phase	N/A
	• The landscape of these works areas will be restored following the completion of the construction phase	To minimize potential impacts on the landscape	Contractor	The project area where appropriate	Construction Phase	
	• Construction site controls shall be enforced, where possible, to ensure that the landscape and visual impacts arising from the construction phase activities are minimized including the storage of materials		Contractor	The project area where appropriate	Construction Phase	
	• The location and appearance of site accommodation and the careful design of site lighting to prevent light spillage		Contractor	The project area where appropriate	Construction Phase	
	• Screen hoarding may be a practicable for this project due to the viewing distances is short in a lot of site situation	To minimize potential impacts on identified VSRs	Contractor	The project area where appropriate	Construction Phase	

EIA Ref.	Recommended Mitigation Measures	Objectives of the Recommended Measures & Main Concern to Address	Who to implement the measures?	Location of the measure	When to implement the measures?	What requirements or standards for the measure to achieve
S7.9.6	For Impacts during Operation Phase					
	Roadside and Amenity Planting	These planting will utilize native tree species as far as possible to improve	Designer and contractor to implement	The project area where appropriate	Design and construction phases	The latest version of General Specifications for Civil Engineering
		the road side planting in creating a more coherent landscape network in the area.				Works, HKSAR
	Enhancement of Streetscape	The landscape proposal should consider introducing coloured paved materials to tie with the paving theme of the Kwai Chung area.	Designer	The project area where appropriate	Design and construction phases	
S7.9.6	Visual Impact during Operation		_			
	Design of the Proposed Carriageway Structures and Associate Facilities – the carriageway structure will incorporate design features as part of design mitigation measures including choices of material, colour, and shape.	To minimise potential long term visual impact to the surrounding VSRs	Designer to implement during design	The new carriageway and associate structures	Design phase	Structural Design Manual for Highways and Railway, HyD
	Integrated Design Approach - other associated structures such as noise barrier should integrate, as far as technically feasible, with the carriageway as part of design mitigation measures to reduce the potential cumulative impact of the proposed works.	To minimize potential long term visual impact to the surrounding VSRs	Designer to implement during design	The new carriageway and associate structures	Design phase	DEVB and HyD's Guidelines on greening and design of noise barriers