

10 IMPLEMENTATION SCHEDULE OF RECOMMENDED MITIGATION MEASURES

Schedule of recommended mitigation measures for water quality, ecological, visual and landscape impacts, and cultural heritage are presented in Table 10.1.

No mitigation measures for electric and magnetic fields impact are required.

Table 10.1 Implementation Schedule of Recommended Mitigation Measures

EM&A Ref.	EIA Ref.	Mitigation Measures	Location	Timing for Implementation	Implementation Agent	Requirements
S2.7	S6.7	All construction activities in general	Works site	During construction period	CLP's Contractor	A site manager shall be nominated to be responsible for good site practices and management.
		<p>Proper site management and good housekeeping practices to minimise surface water runoff, and ensure that debris and rubbish cannot enter water bodies.</p> <p><i>Trenching</i></p> <ul style="list-style-type: none"> The duct laying work in the river sections shall be carried out in dry season; Filter stand shall be temporarily built prior to trench excavation in stream bed to prevent sediment flowing down to lower sections of Ho Chung River; Containment of sediments, via diversion of channel with barriers, shall be employed to allow works to be carried out within a confined area. 	River sections where underground cables will be laid	During laying of underground cables across the Ho Chung River	CLP's Contractor	A site manager shall be nominated to be responsible for ensuring proper implementation of recommended construction methods.
		<p><i>Spoil Disposal</i></p> <ul style="list-style-type: none"> Removal of excavated spoil from the construction sites; Sediment removal facilities shall be maintained and the deposited sediment/grit removed regularly to ensure that these facilities are functioning properly at all times. 	Works site	During construction period	CLP's Contractor	Excavated spoil shall be reused as far as possible. Any remaining quantity shall be disposed of in approved dumping grounds.
		<p><i>Construction Site Runoff</i></p> <ul style="list-style-type: none"> All runoff from the study area during construction shall be routed through oil/grit separators and/or sediment basins/traps before being allowed to discharge; All stockpiled areas shall be covered (e.g. with tarpaulin) and intercepting drains provided to prevent stormwater runoff from washing across exposed soil surfaces or stockpiled areas; Construction shall be scheduled to be undertaken between September and April to minimise soil erosion during rainy season. 	Works site	During construction period	CLP's Contractor	All sewage discharges are regulated under the <i>Technical Memorandum on Standards for Effluents Discharged into Drains and Sewerage Systems, Inland and Coastal Waters</i> , issued under Section 21 of the WPCO.
		<p><i>Sewage Treatment and Disposal</i></p> <p>Portable toilets shall be provided for the on-site construction workforce.</p>	Works site	During construction period	CLP's Contractor	All sewage discharges are regulated under the <i>Technical Memorandum on Standards for Effluents Discharged into Drains and Sewerage Systems, Inland and Coastal Waters</i> , issued under Section 21 of the WPCO.

EM&A Ref.	EIA Ref.	Mitigation Measures	Location	Timing for Implementation	Implementation Agent	Requirements
		<i>Monitoring and Audit</i> Monitoring of the SS and DO levels is recommended to audit potential increase in SS and DO levels.	The immediate areas upstream and downstream of the work sites along the Ho Chung River	During laying of underground cables across the Ho Chung River.	CLP's Environmental Team	The monitoring and audit programme shall be implemented by qualified professionals and laboratory.
Ecological Impact						
S3	S3.6	Minor on-site adjustment of pole positions.	Pole A25a at Ho Chung Valley	During construction period	CLP's Engineer	Excavation of footings shall be avoided where rare tree species <i>Acmena acuminatissima</i> and protected tree <i>Tutcheria championii</i> will be directly affected.
		Re-establishment of trees and shrubs of native species to original conditions as far as applicable.	At each pole location	After construction period	CLP's Contractor	Plant species used for replanting shall take reference from the species present in the surrounding.
		Regular checking of work site boundaries, minimize unnecessary habitat loss and disturbance due to crew access and transportation of equipment, as well as prevent open fire.	Work site	During construction period	CLP's Contractor	Implementation of the ecological mitigation measures shall be checked as part of the environmental audit procedures by Environmental Team.
		The routing of the maintenance footpaths should avoid any animal burrows when encountered during access.	Along the whole alignment	During operational phase	CLP	-
		The affected stream bed of stream at Ho Chung should be reinstated to its original condition.	River sections where underground cables will be laid	After construction phase	CLP's Contractor	Natural substratum should be used in reinstatement of the stream bed.
Visual and Landscape Impact						
S5	S5.10	Minor on-site adjustment of pole positions.	Pole A25a at Ho Chung Valley	During construction period	CLP's Engineer	Excavation of footings shall be avoided where rare tree species <i>Acmena acuminatissima</i> and protected tree <i>Tutcheria championii</i> will be directly affected.
		Re-establishment of trees and shrubs of native species to original conditions as far as applicable.	At each pole location	After construction period	CLP's Contractor	Plant species used for replanting shall take reference from the species present in the surrounding. CLP will take up the establishment works for a period of 2 years.
		Pole structures shall be painted a colour of low chromatic intensity rather than leaving a reflective steel surface exposed.	All proposed powerline poles within the works site.	Painting shall be started during or immediately after the powerline construction period, and shall be completed before the powerline is energised.	Painting by CLP's Contractor	CLP will be responsible for the funding, management and maintenance of this proposed mitigation measure.
		Removal of the existing two pairs of 33kV parallel powerlines.	Areas where the two pairs of 33kV powerlines were installed.	Within 2 years after the commissioning of the proposed 132kV powerline.	CLP's engineer	-

EM&A Ref.	EIA Ref.	Mitigation Measures	Location	Timing for Implementation	Implementation Agent	Requirements
Impact on Cultural Heritage						
S4	S7.5	Carry out rescue excavation	Archaeological Site in Ho Chung Valley where underground cables will be laid.	Prior to laying of underground cables.	CLP's Consultant	CLP and CLP's Consultant to liaise with AMO to appoint a qualified archaeologist with the provision for rescue excavation prior to laying of cables across the Ho Chung Valley. Sufficient time should be allowed in the Project Programme for carrying out the rescue excavation subject to agreement of AMO.
S6	S4.5	Carry out field measurements at critical locations	Both ends close to the respective Substations and Ho Chung area.	Within 6 months after the commissioning of the proposed 132kV powerline.	CLP's engineers	Exact time for measurement to be agreed between EMSD and CLP Power.

Note

1. The 5 "W's" have been presented as "Mitigation Measures", "Location", "Timing for Implementation", "Implementation Agent" and "Requirements" respectively.
2. The Environmental Team should be responsible for ensuring that all recommended mitigation measures are properly implemented.