

Appendix H: Implementation Status of Environmental Protection Requirement

Environmental Protection Measures		Timing	Implementation Stages*			
Activities			29/12/02 to 28/1/03	29/1/02 to 28/2/03	1/3/03 to 28/3/03	29/3/02 to 28/4/03
Landscape and visual	Erection, painting and maintenance of site hoardings around works and storage areas.	Throughout the construction period	√	√	√	√
	Restrictions on the height of material/spoil stockpiles.		√	√	√	√
	Prompt hydro-seeding of disturbed areas and cut/fill slopes prior to the permanent landscaping works.		N/A	N/A	N/A	N/A
	Avoidance of chunam or shotcreting slope treatments.		√	√	√	√
	Conservation of topsoil where practical.		√	√	√	√
	Site litter patrols and regular site waste collection.		▲	▲	▲	▲
	Maintenance of planting.		√	▲	▲	▲
Ecological Impact	Minimise damage outside works areas		√	√	√	√
Construction:						
Material Storage	Covers for dusty stockpiles	Throughout the construction period	▲	▲	▲	▲
Vehicle movement	Haul road watering, vehicle wheel wash prior to exit. Where practical, access roads should be protected with crushed gravel.		▲	▲	▲	▲
Plant maintenance	All plant shall be maintained to prevent any undue air emissions.		√	▲	√	√
All plant activity	Reference should be made the EM&A Manual Action Plan for measures for consideration when Noise Limit Levels are not met.		√	√	√	√
Plant maintenance	All plant shall be maintained to prevent any undue noise nuisance.		√	√	√	▲

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 N/A = Not Applicable
 √ = Implemented
 ▲ = Rectified

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Activities			29/12/02 to 28/1/03	29/1/02 to 28/2/03	1/3/03 to 28/3/03	29/3/02 to 28/4/03
Wheel wash	All wheel wash water shall be diverted to a sediment pit.	Throughout the construction period	√ (Not all, in progress)	▲ (Not all, in progress)	√ (Not all, in progress)	▲ (Not all, in progress)
Concrete Truck Washout	All concrete trucks shall wash out into a lined pit.		√ (Not all)	▲ (Not all, in progress)	√ (Not all)	▲ (Not all, in progress)
Surface water diversion	All clean surface water shall be diverted around the site.		√ (Not all)	▲ (Not all, in progress)	√ (Not all)	▲ (Not all, in progress)
Sediment control	Sediment removal facilities shall be provided and be maintained and excavated as necessary to prevent sedimentation of the channel. Perimeter channels shall be provided. Works shall be programmed for the dry season where feasible.		√ (In progress)	▲ (Not all, in progress)	√ (In progress)	▲ (Not all, in progress)
Fuel can storage	All fuel cans shall be placed within a bundled area. Any fuel spills shall be mopped up as necessary.		√ (Not all)	▲	▲	▲
Slope covers	Finished slopes and other slopes near drainage areas shall be covered prior to rains to reduce sedimentation of runoff. Slopes should be hydroseeded or shotcreted as early as possible to prevent erosion.		√	√	√	√
Excavation works	Excavation works shall avoid sensitive areas.	Throughout the excavation work period	√	√	√	√
Material, plant movement & fuel can refilling.	Any fuel or oil spills shall be excavated and disposed of.	Throughout the construction period	▲	√	√	√
Generators	All generators shall be placed within a bundled area. Any fuel spills shall be mopped up as necessary.		▲	√	√	√

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Activities			29/12/02 to 28/1/03	29/1/02 to 28/2/03	1/3/03 to 28/3/03	29/3/02 to 28/4/03
Material containers	All empty bags and containers shall be collected for disposal.	Throughout the construction period	▲	√	√	√
Worker generated litter and Waste	Litter receptacles shall be placed around the site. Litter shall be taken regularly to the refuse collection points. Chemical toilets (or suitable equivalent) should be provided for workers. Any canteens should have grease-traps.		√	▲	▲	▲
Neighborhood nuisance	All complaints regarding construction works shall be relayed to the Environmental Team.		√	√	√	√
Legal requirements	Different types of waste should be segregated, stored, transported and disposed of in accordance with the relevant legislative requirements and guidelines		√ (in progress)	√ (in progress)	√ (in progress)	√ (in progress)
On-site separation	On-site separation of municipal solid waste and construction/demolition wastes should be conducted as far as possible in order to minimize the amount of solid waste to be disposed to landfill.		√ (in progress)	√ (in progress)	√ (in progress)	√ (in progress)
Temporary storage area	Separated wastes should be stored in different containers, skips, or stockpiles to enhance reuse or recycling of materials and encourage their proper disposal.		√ (in progress)	√	√	√
Record of wastes	Records of quantities of wastes generated, recycled and disposed (with locations) should be properly kept.		√ (in progress)	√ (in progress)	√ (in progress)	√ (in progress)
Trip-ticket system	To monitor the disposal of waste at landfills and control fly-tipping, a "trip-ticket" system for all solid waste transfer/disposal operations should be implemented. The system should be included as a contractual requirement, and monitored by the Environmental Team and audited by the Independent Environmental Checker.		√ (in progress)	√ (in progress)	√ (in progress)	√ (in progress)

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