

**Chapter 6.0: Environmental Monitoring Plan**

<b>Components</b>	<b>Requirements</b>	<b>Procedure</b>	<b>Monitoring</b>
Site Requirement	Site plan Access facilities Space for stock piling of building materials Parking for machinery Storage of hydrocarbons Sanitary facilities Geotextiles	Establish access facilities prior to works. All materials to be stocked away from water bodies and as per a site management plan. Hydrocarbons to be stocked away from water bodies and should be well ventilated. To provide for fire extinguishing system. Provide sanitary facilities. To place geotextile screen as defined under impact mitigating measures. No mud or other dirt from vehicles to be washed near water bodies.	Project manager, Site manager. Site engineer, Environmental Specialist
Access Road To site	Approved plans Materials, machinery	Inform concerned authority and provide a work plan and schedule Provide for adequate sign boards along Black River A3 road, flash light at site of work. No machinery to be parked on main road or at proposed junction.	Project Manager Site Engineer
Inland road network	Approved plans Materials, machinery	Establish a management plan with regards to work procedure. Proceed in stages for cut and fill. Work simultaneously rock embankment along the 16m set back for retention purpose. Respect all measures as per mitigating measures. Provide for geo-textile screen where work is near to water bodies. No machinery allowed in 16m set back.	Project manager Site engineer Environmental Specialist
Erection of Buildings & drains	Materials Machine	Keep cement, sand, mortar away from water bodies. No extra cement, mortar or any building materials and waste to be dumped in the coastal environment of the project. Apply best management practices on site with regards to due respect to environmental attributes. Place information panel at strategic places on site to motivate workers, contractors in this direction	Project manager Site engineer Environmental Specialist
Waste Management	Collection and disposal of domestic & construction wastes. Provide adequate sanitary	All wastes to be collected on a daily basis during the construction phase and kept in sealed containers to be disposed at licensed landfills. Implement sewage treatment system as presented in detail in the	Project manager Waste water engineer IRS manager/syndic

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	facilities for workers during construction phase. Implement facilities for sewage treatment	EIA document.	
Desilting of pond. Removal of artificial rock embankment	Floating cutter sucker dredger, decantation pond, geo-textile screen, loaders	Implement as per methodology presented at chapter 4. All methodologies and procedures to be put into place for impact mitigating measures.	Project manager Contractor Environmental specialist.
Endemic, native, rare trees management	Tag all such trees,	Implement as per recommendation of the Botanical report. All endemic, native and rare trees to be preserved and propagated through as botanical sanctuary. Advise authorities concerned about planning.	Project Manager, Botanist.
Management of water bodies	All areas demarcated as sensitive to be delimited and flagged.	Implement EMP as per mitigating measures in the EIA report. Flag all sensitive areas. Install information panels to reinforce the process of conservation and protection of habitat to workers, contractors. During operation advise guests through leaflets and information chart about the importance to preserve the attributes of the water bodies.	Project Manager, Environmental specialist.
Monitoring Report	Daily reports  EMP reports	A log book will be kept on site and will be managed by the site manager. He will work in close collaboration with section heads to monitor required works. All reports regarding progress of works, work standard, compliance with relevant permits will be prepared on a daily basis and will be readily available for inspection by authorities concerned. The Environmental scientist will prepare any such report which deals with the coastal environment; water features, water quality, flora and fauna of water bodies. The Botanist will prepare relevant reports on status of plant features during works.	Project Manager Site Manager Environmental specialist Botanist
Ctd	Ctd	Provide for relevant reports as per	

		requirement of authorities concerned on a time frame to be decided by parties concerned. Any complaints or issues with regards to the project will be communicated to the monitoring team of the Ministry concerned	
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