

Proposed Environmental monitoring plan

Parameters to be monitored	Frequency of monitoring	Location/Timing of sampling	Institutional Framework for mitigation of impacts	Responsible agencies for monitoring	Availability of funds, expertise, facilities
Construction phase					
Soil erosion & Stability	Once in two Months	Weir/Tailrace Locations	PP	NBRO, CEA	PP
Stream bank erosion	Once in two Months	Weir/Tailrace Locations	PP	NBRO, CEA,	PP
Water quality	Once in two Months	Weir/Tailrace Locations	PP	CEA	PP
Geology/soil	Once in two Months	Weir/Headrace/Forebay Power House	PP	NBRO/CEA	PP
Biological resources	Once in two Months	Study Area	PP	CEA\ Ecology expert, FD, DWC	PP
Visual quality	Once in two Months	Study Area	PP	CEA,PS	PP
Restoration of Degraded land	Once in two Months	Project area	PP	CEA Ecology expert, FD, DWC	PP
Air quality	Once in two Months	Weir/Headrace, Forebay Power House	PP	CEA	PP
Noise	Once in two Months	Weir/Headrace/Forebay Power House	PP	CEA	PP
Solid Waste	Once in two Months	Weir / Headrace/ Forebay	PP	CEA, PS	PP

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Soon after construction over before commission the work					
Garbage disposal		Whole project area	PP	CEA, PS	PP
Cleaning the construction area		Whole project area	PP	CEA, PS	PP
Restoration of the degraded environment		Impacted locations of project area	PP	CEA, DWC, experts in the subject FD	PP
Operation phase					
Solid & human waste	As response for complaints/ random visits	In project area/ Surrounding neighborhood	PP	CEA, PS,	PP
Impacts due to inadequacy of the environmental flow	Random visits (once in six months)	Weir site	PP	CEA , ID	PP
Condition of Fish pass	Random visits (once in six months)	Weir site	PP	CEA	PP
Condition of Restored land	Random visits (once in six months)	In restored area	PP	CEA and all tech members	PP

PP: Project proponent, CEA: Central Environmental Authority, ID Irrigation Department

NBRO: National Building Research Organization, PS: Pradeshiya Shaba, DWC: Department of Wildlife Conservation, FD Forest Department.