

Chapter 8

CONCLUSION AND RECOMMENDATION

The Initial Environment Examination Assessment for the proposed Upper Kadurugaldola mini hydropower Project detailed the existing environment and prevailing ecological conditions, conducted an extensive assessment of the current sociological conditions in the area, highlighted both negative and positive potential impacts, proposed mitigatory measures and a potential monitoring program.

The main impacts that will occur as a consequence of the project activities are removal of secondary riparian vegetation, land clearing, construction of small concrete pillars, access road construction to the powerhouse site, establishment of penstock and powerhouse, low flow condition of the stream between the weir and powerhouse. These impacts will invariably cause disturbance to the ecological balance. However, they can be efficiently managed by strict application of the proposed mitigatory measures. These activities will have a significant impact on physical, biological and social environments of the project area during the construction and operational phases of the project.

The project will create significant positive impacts at a local and national scale. Development of village roads and improvement of the irrigation canal beyond the project area are some local level positive impacts. The project will directly contribute to the economy of the country by supplying additional energy required in an ecologically sensitive manner while saving foreign exchange.