

Annex E.2 WP for Hydropower Projects

1. For Pre-Development Stage Proposal

1.1. Secure Permits and Licenses

1.1.1. LGU

1.1.2. Certificate of Non-Overlap (CNO) or Certification Pre-Condition (CP) from NCIP

1.1.3. Environmental Compliance Certificate (ECC) from DENR

1.1.4. Water Rights from NWRB

1.2. Comprehensive Feasibility Study

1.2.1. Hydrological/ Flood Studies

1.2.2. Topographic Survey

1.2.3. Geological Study

1.2.4. Preliminary Civil Design

1.2.5. Preliminary EME Design

1.2.6. Preliminary Design of Electrical Facilities

1.2.7. Financial / Economic Studies

1.2.8. Socio-Environmental Study

1.2.9. Market Studies (Power-Supply Demand)

1.3. Conduct Detailed Engineering Design

1.3.1. Geotechnical Study

1.3.2. Hydrological/Hydraulics Study

1.3.3. Survey/Finalization of access road and transmission route

1.3.4. Quotation/detailed design of EME/Electrical Facilities

1.3.5. Final Scheme of Development and Detailed Design of Civil Structure

1.3.6. Detailed Cost Estimate/Financial Study



Annex E.2 WP for Hydropower Projects

2. For Development Stage Proposal

2.1. Pre-construction activities

2.1.1. Secure Permits and Licenses

- a) LGU resolution of support
- b) Certificate of Non-Overlap (CNO) or Certification Pre Condition (CP) from NCIP
- c) Environmental Compliance Certificate (ECC) from DENR
- d) Water Rights from NWRB
- e) Right of Way Permit/Land Owner Consent (Lease Contract/Deed of Absolute Sale, in case private land)
- f) Forest Land-Use Agreement (FLAg)/Special Land-Use Permit (SLUP) for area applied in public domain
- g) Grid Impact Study and Interconnection Agreement (Transco/NGCP/DUs)
- h) Energy (Electricity) Sales Agreement

2.1.2. Review and re-evaluation of the Feasibility Study

2.1.3. Review and Finalization of the Detailed Engineering Design

2.2. Construction, Testing, Commissioning, Operation, and Maintenance

2.2.1. Detailed Construction and Commissioning timeline

2.2.2. Operation and maintenance activities including flood control protection/mitigation, watershed protection program, corporate social responsibility (CSR) activities, among others

