

Initial Environmental Examination (IEE) Form for Hydropower Projects -2017

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| Note 1: | In accordance with section 47 of the Regulation for Environmental Clearance of Projects 2016, consent must be obtained from individual or juristic person if activity has direct impact on a property. |
| Note 2: | The completed IEE form shall be submitted to the relevant Competent Authority. |
| Note 3: | The completed IEE form shall be the basis to determine the requirement of Environmental Impact Assessment (EIA). If EIA is required, applicant will be notified to submit Terms of Reference for the project. |
| Note 4: | The application shall be subjected to Fee Schedules to cover the cost of administering the Environmental Assessment Act, 2000. |

1. General Information:

- a) Name of the project:.....
- b) Project Type (Tick as appropriate): New Expansion/modification
- c) Applicant Details:
 - I. Name of the applicant:.....
 - II. Address:.....
 - III. Post Box No.:.....
 - IV. Contact No.:.....
 - V. Fax No.:.....
 - VI. Email:.....
 - VII. Name and contact details of Environmental Focal Person:.....

2. Project Location:

- I. Dzongkhag/Thromde:
- II. Gewog:.....
- III. Village:.....
- IV. Name of the project site:.....

3. Project Cost (Nu.):.....

4. Project area, tick as appropriate:

- a) State Reserve Forest.....acres
- b) Private.....acres
- c) Others.....acres
- d) Total area required.....acres

5. Terrain characteristic at the project site:

Describe the terrain characteristics focusing on local geology and geomorphology of the area housing the major components such as diversion tunnel, dam, de-silting chambers, Head Race Tunnel, surge shaft, pressure shaft, power house, Tail Race Tunnel and housing colonies.

6. Presence of any of the following within and 50 meters buffer of the project area. If yes tick and mention name, wherever applicable:

- a) River/spring/stream.....
- b) Protected Area.....
- c) Catchment area.....
- d) Wetland.....
- e) Community forest.....
- f) Private forest.....
- g) Tsamdro.....
- h) Sokshing.....
- i) Agriculture land.....
- j) Heritage site.....
- k) Hospital.....
- l) School/institution.....
- m) Roads.....
- n) Industries.....
- o) Settlements.....
- p) Presence of religious site.....
- q) Archaeological site.....
- r) Others

7. Project Details (attached in a separate sheet):
- a) Project objective:.....
 - b) Power Generation (Megawatt):.....
 - c) Name of river to be used for power generation:.....
 - I. Water required for power generation in m^3 per second:.....
 - II. Mean annual flow at project site in m^3 per second:.....
 - III. Lean season flow in m^3 per second between dam and Tail Race Tunnel:.....
 - d) Engineering characteristics of dam:
 - I. Type:
 - II. Height in meters:
 - III. Length in meters:
 - IV. Type/class of bed rock to anchor the dam:
 - e) Blasting requirement: Yes No
 - If yes, mention type of blasting:
 - f) Submergence Area in acres:
 - g) Length of the de-watered stretch in km.:
 - h) Information on Aquatic fauna focusing on migratory fish species
 - i) Total built up area (acre):
 - j) Methods of storing materials:
 - k) Source of water and total requirement - m^3 /day- for construction, drinking and sanitation:
 - l) Source of energy, tick as appropriate:
 - Electricity, if yes, Tapping point:.....
 - Coal
 - Fossil fuel
 - Solar
 - Wood
 - Others
- 8) Provide information on physico-chemical analysis of water in upstream and downstream of the dam site.

- i) pH
 - ii) TDS
 - iii) BOD
 - iv) COD
9. Ancillary activities, tick as appropriate:
- a) Power line
 - b) Approach road
 - c) Others

Note: For ancillary activities, fill up relevant IEE forms and submit along with these IEE forms.

10. List type of wastes under each category and its quantity per annum, tick as appropriate:
- Solid waste including excavated materials:.....
 - Liquid/effluent:.....
 - Air/Gaseous:.....
11. Provide maximum noise level at the project sites' boundary during construction and operation, if applicable:
12. Environmental Management Plan (attached in a separate sheet):
- Briefly describe mitigation measures to address impacts including sections 10 and 11
13. List of documents to be attached with this IEE form:

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| 1 | Sectoral Clearance (DOPFS/DoR/BPC etc.), if applicable |
| 2 | Dzongkhag/Thromde Administrative approval |
| 3 | Public consultation records verified by the concerned local authority |
| 4 | Layout plan and KMZ file depicting entire layout plan |
| 5 | Map specifying critical catchment and drainage area, submergence area |

Name and signature of the project proponent:

Address:

Date:

