

**Initial Environmental Examination (IEE) Form for Transmission and Distribution Projects
-2017**

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: **Construction of 66 kV D/C Transmission line from Simtokha substation to Dechencholing Substation**

I. Voltage level in kV: **66kV**

b) Project Type (Tick as appropriate): **New**

c) Applicant Details:

I. Name of the applicant: **Bhutan Power Corporation Limited**

II. Address: **Chubachu (BPC Corporate Office), Thimphu, Bhutan**

III. Post Box No: **580**

IV. Contact No.: **02-325095 / 325096**

V. Fax No.: **02-322279**

VI. Email: hrad@bpc.bt

VII. Name and contact details of Environmental Focal Person: **Tshewang Choden, Assistant Environment Officer, +975 17684920, tshewangchoden@bpc.bt**

2. Project Location:

I. Dzongkhag/Thromde: **Thimphu**

II. Gewog: **Kawang and Chang**

III. Village: **Yoeselpang and Dazhi Zhoshel**

IV. Name of the project site: **Kawang and Chang Gewog**

3. Project Cost (Nu.): **Nu. 118 million**

4. Project area, tick as appropriate:

a) ☒ State Reserve Forest:

b) ☐ Private..... acres

c) ☒ Others: **Community Forest**

d) Total area required: **54.70 acres/ 2214000 square meters**

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:

S. N	Gewog	CFMG	Tower Location	Area of TL
	Kawang	Dazhi-Zhoshel	SD38 To SD39	Approx. 1.4 acres/ 5582.6 square meters

f) ☐ Private Forest.....

- g) ☐ Tsamdro.....
- h) ☐ Sokshing.....
- i) ☐ Agriculture land.....
- j) ☐ Heritage site.....
- k) ☐ Hospital.....
- l) ☐ School/institution.....
- m) ☒ Roads: **Thimphu-Trongsa Highway, Thadra Goenpa Road, DHI Mining Road, Thimphu-Dechecholing Highway.**
- n) ☐ Industries.....
- o) ☐ Settlements.....
- p) ☐ Presence of religious site.....
- q) ☐ Archaeological site.....
- r) ☐ Others.....

6. Project Details (attached in a separate sheet):

a) Project objective:

The primary objectives of the project are to cater for a 15 MW additional load at Gyalsung Data Center, Taba, Thimphu and strengthen the reliability of the local distribution network.

b) Length of transmission /distribution line in km:

S. N	From	To	Length (km)
1	Simtokha Substation Latitude: 27°26'8.92"N Longitude: 89°40'39.11"E	Dechencholing Substation Latitude: 27°35'5.89"N Longitude: 89°38'53.70"E	12.3 km

c) Right of Way in meters:

S. N	Description	Right of Way (m)
1	66kV D/C overhead transmission line	18

d) Tower types and numbers:

Tower Types	Tower Numbers
DC	39

e) Methods of storing materials:

S. N	Store Yard	GPS Coordinates		Land Ownership
		Latitude	Longitude	
1.	Simtokha Substation	27°26'8.92"N	89°40'39.11"E	BPC owned Land

f) Does the proposed transmission/distribution line pass through:

I. Avi-fauna migratory routes: ☒No

II. Heritage or religious site: ☒No

III. Wetland and catchment area: ☒No

IV. If yes for any of the above, provide alternatives

7. Ancillary activities, tick as appropriate:

a) ☐ Substation:

b) ☐ Approach Road

c) ☐ Ropeway

d) ☐ Others

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

8. List type of solid wastes and its quantity:

The type of solid wastes generated would be;

Types of Solid Waste Materials	Expected Quantity to be Generated per day (kg)	Remarks	Management Method
Food waste, plastics/packaging materials, cardboard, & common trash (HOUSEHOLD WASTES)	10.12 kg/day from approx. 40 nos. of workers during the project construction phase of around 18 months.	As per National Waste Management Strategy 2019, an average of 0.253 kg/capita/day for approximately solid waste will be generated.	Disposed-off to Municipal Solid Waste landfill sites. The waste that can be recycled will be sent to Recycling Facility, if such facility is available in the locality
Wood (timber, slash, stumps, etc.) *	1891 trees and 5086 pole size trees	As per the Forest Field Report.	The trees cut from the RoW clearing will be handed over to the respective community forest management and NRDCL for extraction and disposal as per the prevailing rule.
Metals (Ferrous and Non-Ferrous) including junk and cut-out conductors, optical fibers, and metal structures.	2% of Tower pylons & conductors waste.	Waste from the 39 nos. of towers with approx. 12.3 km D/C conductors.	Transport to scrap/Metal recycling company and managed as per SOP for Waste Management in DHI & DHI Companies 2020, BPC's Waste

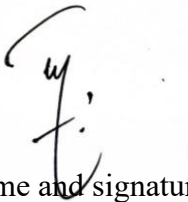
			Management Plan 2021, BPC's Guidelines for disposal of Optical Fiber waste/e-waste, and all other relevant Waste Management policies of the country.
Concrete Debris	1% concrete debris from the proposed project	Waste from the construction sites	Use as road sub-base material or used for concrete pavement foundation for Tower Foundations. Existing concrete pads and foundations will be managed on a case-specific basis depending on the type of waste and the location of the waste within the locality.
Excavated Spoils	Excavated spoils from the 39 nos. of tower pit foundations.		Loose excavated soil shall be covered and more than 90% of the excavated soil shall be reused for backfilling the tower pits.

9. Environmental Management Plan (attached in a separate sheet):

Briefly describe mitigation measures to address impacts including section 8

10. List of documents to be attached with this IEE form:

1	Layout plan and KMZ file depicting entire layout plan
2	Gewog Administrative Approval
3	Public Consultation records verified by the concerned Local Authority
4	CFMG Consultation records verified by the concerned Local Authority and CF Chairperson



Name and signature of the project proponent: Tshewang Choden, Assistant Environment Officer

Address: Contract Management Section, Construction Division, C&PD, BPC, Thimphu

Date: 12/09/2025