

## FORM A

Form for seeking prior approval under section 2 of the proposals by the State Governments and other authorities.

### **PART-I**

(To be filled up by the user agency)

#### **1. Project Details:**

- (i) SHORT NARRATIVE OF THE PROPOSAL AND PROJECT/SCHEME FOR WHICH THE FOREST LAND IS REQUIRED:

Energy & Power Department (Govt. of Sikkim) is entrusted to construct 19 nos. of sub-station and 29 nos of transmission lines and 08 nos of bays extension for Strengthening of power transmissions and distributions in Sikkim State for overall integrated power development which is also associated for evacuation of Power from various HEP in state of Sikkim. While in the scheme the proposal is concerned for the construction of "220kV D/C Samardong to Dikchu-Pool Transmission Line" on priority having a surveyed length of 23.035 km.

- (i) MAP SHOWING THE REQUIRED FOREST AREA, BOUNDARY OF ADJOINING FOREST ON A 1: 50,000 SCALE MAP

The proposed routes of 3 alternatives against each of the lines are plotted on original SOI Topo sheet of scale 1:50000 scale (1cm=0.50 km). In addition, the proposed route of the selected alignment is also plotted on traced SOI Topo sheet of 1:50000 scale (1cm= 0.50 km) for the complete length and is enclosed.

- (ii) COST OF THE PROJECT:

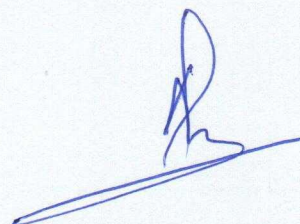
Estimated cost of the Project comes to Rs.1554.97Crore based on 1<sup>st</sup>quarter, 2013 price. The above estimate includes the cost 19 nos of Sub-station, 29 nos of Transmission lines and 08 nos Bay Extensions. But for the above said line the estimate is approx. 188.975 crores (including two sub-station packages).

- (iv) JUSTIFICATION FOR LOCATING THE PROJECT IN THE FOREST AREA GIVING ALTERNATIVES EXAMINED AND REASONS FOR THEIR REJECTION :

Justification for all alternatives enclosed in Flag-A

- (v) COST-BENEFIT ANALYSIS (TO BE ENCLOSED):

Enclosed in Flag-B





(vi) EMPLOYMENT LIKELY TO BE GENERATED:

During Construction: -

For the under consideration transmission line component only, the project cost shall be Rs. 91.615 crores. About 20% of this cost shall be labour component. Now considering percentage of various categories of labourers, their daily wages as under:

- i) Skilled labourer – 20% @ Rs. 335/day
- ii) Semiskilled labourer – 30% @ Rs.320/day
- iii) Unskilled labourer – 50% @ Rs. 300/day

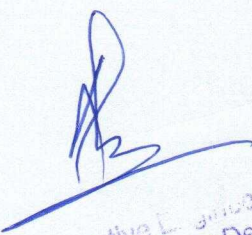
The following employment opportunities are generated: -

- i) Skilled labourers - 1,09,391 man days.
- ii) Semiskilled labourers - 1,71,779 man days.
- iii) Unskilled labourers - 3,05,385 man days.

2. PURPOSE-WISE BREAK-UP OF THE TOTAL LAND REQUIRED:

**SIKKIM STATE: SOUTH DISTRICT**

Name of the Transmission Line	Length of the line in South District	Total land Required	Existing Land Use			
			Forest Land			Private Holdings
			Reserve Forest	Khasmal/Goru charan/ Road Reserve	Total	
220 KV D/C Samardong to Dikchu-Pool Transmission Line.	2.833 km	Right of Way: 2833m x 35m = 9.9155 Ha.	Right of Way: 901.03m x 35m = 3.153 Ha.	Right of Way: 562.6m x 35m = 1.9691 Ha.	Right of Way: 3.153+1.9691 = 5.110 Ha.	Right of Way: 1373m x 35m = 4.8055 Ha.

  
Executive Engineer  
Energy & Power Deptt.  
Gangtok, Sikkim



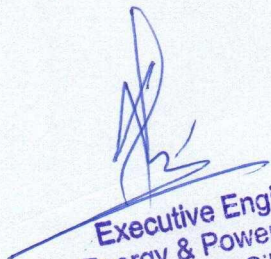
Forest Land Involvement	Tree Involvement Approx.	Felling Required	Remarks
RF/Khasmal/ Goucharan	No. of Trees: 250 nos. No. of Pole Size Tree: 120 nos. No. of Bamboos: 700 nos.	No. of Trees: 205 nos. No. of Pole Size Tree: 108 nos. No. of Bamboos: 650 nos.	Effort will be made to use tower extn. as far as possible to reduce tree felling
<b>TOTAL</b>	No. of Trees: 250 nos. No. of Pole Size Tree: 120 nos. No. of Bamboos: 700 nos.	No. of Trees: 205 nos. No. of Pole Size Tree: 108 nos. No. of Bamboos: 650 nos.	

#### SIKKIM STATE: EAST DISTRICT

Name of the Transmission Line	Length of the line in East District	Total land Required	Existing Land Use			
			Forest Land			Private Holdings
			Reserve Forest	Khasmal/Gorucharan/ Road Reserve	Total	
220 KV D/C Samardong to Dikchu-Pool Transmission Line.	20.202 km	Right of Way: 20202m x 35m = 70.707 Ha.	Right of Way: 0m x 35m = 0 Ha.	Right of Way: 3388m x 35m = 11.858 Ha.	Right of Way: 0 + 11.858 = 11.858 Ha.	Right of Way: 16814m x 35m = 58.849 Ha.

Forest Land Involvement	Tree Involvement Approx.	Felling Required	Remarks
RF/Khasmal/ Goucharan	No. of Trees: 250 nos. No. of Pole Size Tree: 580 nos. No. of Bamboos: 230 nos.	No. of Trees: 171 nos. No. of Pole Size Tree: 507 nos. No. of Bamboos: 213 nos.	Effort will be made to use tower extn. as far as possible to reduce tree felling
<b>TOTAL</b>	No. of Trees: 250 nos. No. of Pole Size Tree: 580 nos. No. of Bamboos: 230 nos.	No. of Trees: 171 nos. No. of Pole Size Tree: 507 nos. No. of Bamboos: 213 nos.	

**Note:** - For transmission line land acquisition is not done as land use remain same except temporary surface damage.

  
 Executive Engineer  
 Energy & Power Deptt.  
 Gangtok, Sikkim



3. DETAILS OF DISPLACEMENT OF PEOPLE DUE TO THE PROJECT, IF ANY:

- i) Number of families : Nil  
ii) Number of Scheduled Castes/Scheduled Tribe families : Nil  
iii) Rehabilitation plan (to be enclosed) : Not applicable

4. WHETHER CLEARANCE UNDER ENVIRONMENT (PROTECTION) ACT, 1986 REQUIRED? **NO**

5. UNDERTAKING TO BEAR THE COST OF RAISING AND MAINTENANCE OF COMPENSATORY AFFORESTATION AND/OR PENAL COMPENSATORY AFFORESTATION AS WELL AS COST FOR PROTECTION AND REGENERATION OF SAFETY ZONE, ETC., AS PER THE SCHEME PREPARED BY THE STATE GOVERNMENT (UNDERTAKING TO BE ENCLOSED)

**Undertaking enclosed as Flag-C**

6. DETAILS OF CERTIFICATE/DOCUMENTS ENCLOSED AS REQUIRED UNDER THE INSTRUCTIONS.

- a) Ground Survey report.  
b) Investment approval  
d) Brief narrative of the scheme.

Signature

(G. Sharma)

Executive Engineer (EHV)

Energy & Power Department, Govt. Of Sikkim

Kazi Road P.O - Gangtok,

Dist- East Sikkim,

Executive Engineer  
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Place: Gangtok