



GOVERNMENT OF ARUNACHAL PRADESH
OFFICE OF
THE EXECUTIVE ENGINEER (E)
PASIGHAT TRANSMISSION DIVISION NO-III
DEPARTMENT OF POWER,
ARUNACHAL PRADESH ELECTRICAL CIRCLE-II PREMISES,
OPPOSITE AIRPORT, PASIGHAT, PIN- 791102

E-mail: exenptd.psg@gmail.com

Annex-14

**COMPARATIVE STATEMENT OF 03 (THREE) ALTERNATIVE ROUTES
FOR TRANSMISSION LINE**

SUBJECT: - Construction of 132 KV S/C Transmission Line **ALONG TO YEINKIONG**
under Along Forest Division from in the state of Arunachal Pradesh Selected section-
length under ALONG FOREST DIVISION =69.96 Ha.(TOTAL LENGTH 95.2 Kms up to Yeinkiong)

Description	Alt 1 (Green)	Alt 2 (Yellow)	Alt 3 (Magenta)
Route Particulars			
Route Length	95.2	109.1	102.5KM.
Terrain Description	Hilly (100%)	Hilly (100%)	Hilly (100%)
Quantity of Angle Towers	Nos.368	406	391
Total No. of Towers	Nos.368	406	391
Name of State, District			
State	Arunachal Pradesh	Arunachal Pradesh	Arunachal Pradesh
District	West Siang, Siang	West Siang, Siang	West Siang, Siang
Forest Involvement			
Section Length in Forest Area under Along Division	25.91(AP123)	28.64(AP 124)	27.32(AP108)
Type of Land	The Line section from Along S/S YEINKIONG SS to under Along forest division (about 29.16 KM.and Area 69.96Ha) all in USF to total of 95.92 kms of total Along Yeinkiong line	The Line section from Loc. ALONG SS to Yeinkiong S/S (about 28.64 KM.and Area 77.32Ha) all in USF under Along Forest division to total of 109.1 Kms of Along yeinkiong Line	The Line section from AL S/S YEINKIONG SS (about 27.32KM.and Area 207.91Ha) all in USF (73.76Ha) under Along Forest division to total of 1 Kms of Along yeinkiong Line
Towns in alignment	Along Rumngung	Along Rumnging	Along-Panging

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Type of Forest / reserve / protected / mangrove / protected area / Wildlife / Biosphere reserve / any other environment sanctuary area	Unclassified State Forest, reserve forest	Unclassified State Forest, Reserve Forest	Unclassified Forest, Reserve
Type of Fauna & Flora	No significant Flora & Fauna are available in the area	No significant Flora & Fauna are available in the area	No significant Fauna are available in the area
River Crossing	02	02	02
Tower in Forest Area	368	406	391
Damage of Forest Product	The propose route of line section is falling under reserve forest area only as it is not at all possible to avoid reserve forest area. However, the section of this line has been selected along such that it requires minimum diversion of forest land in reserve forest area.	Significant portion of the line is falling under Reserve Forest Area. This alignment will require more diversion of Reserve Forest Land in comparison to route 1.	Significant portion of the line is falling under Reserve Forest Area. This alignment will require more diversion of Reserve Forest Land in comparison to route 1.
Compensation Cost	Low due to involvement of less forest area and less route length.	High due to involvement of more forest area and more route length.	High due to involvement of more forest area and more route length.
Construction Problem	Forest clearance will create construction problem, but it is unavoidable. Other than that, all the area is easily accessible for construction and maintenance purpose.	Forest clearance will cause serious problem during construction.	Forest clearance will cause serious problem during construction. Accessibility is available for construction and maintenance in future.



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12	O & M Problem	Forest / Trees will be sometimes cause problems in O&M stage. However, can be attended fast as there will be possible accessibility along the line.	Due to presence of dense forest the accessibility is difficult in O&M stage.	Due to presence of dense forest the accessibility is difficult in O&M stage.
13	General Remark	During selection of route, care is taken to minimize the damage of forest product & involvement of bench cutting. In this route no sliding zone is encounter.	The proposed route may require more Reserve Forest land than the selected route no. 1.	The proposed route may require Reserve Forest land than the selected route no. 1.

Place: - Pasighat

Date: -

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Pasighat Transmission Division,
Dept. of Power, Pasighat

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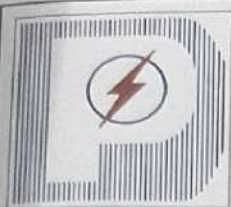


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5	Type of Forest / reserve / protected / mangrove / protected area / Wildlife / Biosphere reserve / any other environment sanctuary area	Unclassified State Forest ,	Unclassified State Forest,	Unclassified State Forest,
6	Type of Fauna & Flora	No significant Flora & Fauna are available in the area	No significant Flora & Fauna are available in the area	No significant Flora & Fauna are available in the area
7	River Crossing	02	02	02
8	Tower in Forest Area	368	406	391
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	Compensation Cost	Low due to involvement of less forest area and less route length.	High due to involvement of more forest area and more route length.	High due to involvement of forest area and route length.
	Construction Problem	Forest clearance will create construction problem, but it is unavoidable. Other than that, all the area is easily accessible for construction and maintenance purpose.	Forest clearance will cause serious problem during construction.	Forest clearan cause serious p during const Accessibility available construction maintenance

(Signature)
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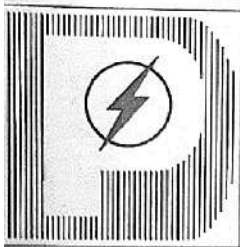
12	O & M Problem	Forest / Trees will be sometimes cause problems in O&M stage. However, can be attended fast as there will be possible accessibility along the line.	Due to presence of dense forest the accessibility is difficult in O&M stage.	Due to presence of dense forest the accessibility is difficult in O&M stage.
13	General Remark	Selected route is falling under Reserve Forest only, which are not at all avoidable. During selection of route, care is taken to minimize the damage of forest product & involvement of bench cutting. In this route no sliding zone is encounter.	The line section is also falling under Reserve Forest area which is un-avoidable. The proposed route will require more Reserve Forest land than the selected route no. 1.	The line section is also falling under Reserve Forest area which is un-avoidable. The proposed route will require more Reserve Forest land than the selected route no. 1.

Place: - Pasighat

Dtd: -

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Dtd, Pasighat

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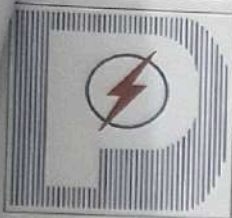
**COMPARATIVE STATEMENT OF 03 (THREE) ALTERNATIVE
ROUTES FOR TRANSMISSION LINE**

PROJECT: - Construction of 132 KV S/C Transmission Line from ALONG SS to
YEINKIONG SS in the state of Arunachal Pradesh

Selected section-R1 length under YEINKIONG FOREST DIVISION = 95.2KM.

Description	Alt 1 (Red)	Alt 2 (Green)	Alt 3 (Blue)
Route Particulars			
Route Length	95.2	109.1	102.5
Terrain Description	Hilly (100%)	Hilly (100%)	Hilly (100%)
Quantity of Angle Towers	Nos.368	406	391
Total No. of Towers	Nos.368	406	391
Name of State, District			
State	Arunachal Pradesh	Arunachal Pradesh	Arunachal Pradesh
District	Siang and Upper Siang	Siang and Upper Siang	Siang and Upper Siang
Forest Involvement			
Section Length in Forest Area	69.29 Kms	78.23	87.42
Type of Land	The Line section from Loc. YEINKIONG SS to TO TUTING (about 69.29KM and Area 187.09Ha)	The Line section from Loc. YEINKIONG SS to TO TUTING (about 78.23 KM.and Area 224.06Ha) all in USF to total	The Line section from Loc. YEINKIONG TO TUTING (about 87.42 KM and Area 236.03Ha)
Towns in Alignment	Along Boleng Yeinkiong	Along Boleng Yeinkiong	Along Boleng Yeinkiong

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