

OWNER: DEPARTMENT OF POWER, GOVT. OF ARUNACHAL PRADESH(DOPAP) ACTING THROUGH POWERGRID CORPORATION OF INDIA LTD.					
PROJECT: 132 KV S/C (ON D/C TOWER) SAGALI-NAHARLAGUN TRANSMISSION LINE					
CONTRACTOR : VSPL ENERGY PVT. LTD.					
COMPARATIVE STATEMENT					
SL. No.	DESCRIPTION	UNIT	ALTERNATE ROUTE -1 (Yellow Colour)	ALTERNATE ROUTE -2 (Red Colour)	ALTERNATE ROUTE -3 (Blue Colour)
1	LINE DETAILS				
i.)	Route length	KMS	33.17	40.02	35.5
ii.)	Plain terrain	KMS	0	0	0
iii.)	Hilly terrain	KMS	33.17	40.02	35.5
iv.)	Quantity of Angle towers	Nos.	106	155	145
2	ENVIRONMENTAL DETAILS				
i.)	Towns in Alignment	Nos.	19	19	19
ii.)	No. of house in ROW	Nos.	2	6	4
iii.)	Tree/crops and its extent of damage		90% line pass through forest area which is unavoidably & Rest will pass through cultivated, paddy and some villages with other sensonal vegetation area.	95% line pass through forest area which is unavoidably & Rest will pass through cultivated, paddy and some villages with other sensonal vegetation area.	95% line will pass through forest area which will require heavy tree cutting.
3	FOREST INVOLVEMENT				
i.)	TOTAL FOREST AREA IN KM	KMS	33	40.02	35.5
ii.)	Type of Fuana		Adhar, Ahot, Arjun, Amra, Arjun, Asuth, Bamboo, Barun, Bagori, Bansum, Capas, chalta, Chatim, Dimoru, Gamari, Hilika, jack fruit, kirish, khogon, mehogini, sal, segun	Adhar, Ahot, Arjun, Amra, Arjun, Asuth, Bamboo, Barun, Bagori, Bansum, Capas, chalta, Chatim, Dimoru, Gamari, Hilika, jack fruit, kirish, khogon, mehogini, sal, segun	Adhar, Ahot, Arjun, Amra, Arjun, Asuth, Bamboo, Barun, Bagori, Bansum, Capas, chalta, Chatim, Dimoru, Gamari, Hilika, jack fruit, kirish, khogon, mehogini, sal, segun
iii.)	Forest type		Dense mix jungle	Heavy Dense forest & Large trees	Heavy Dense forest & Large trees
iv.)	Endangered species		Elephant, mongoose, snake	Elephant, mongoose, snake	Elephant, mongoose, snake
v.)	Compensation cost		Low due to involment of less forest area and less route length	High due to involvement of more forest area	High due to involvement of more forest area and more route length
vi.)	Construction Problem		Forest area clearance will create construction problem but it is unavoidable. Other then that all the area is easily accessible for construction and maintenance purpose.	Forest clearance will cause problem during construction. Accessibility is not available for construction and maintenance in future	Forest clearance will cause serious problem during construction. Accessibility is not available for construction & maintenance in future
vii.)	O&M Problems		Forest /trees will sometimes cause problem in O&M stages. However can be attended fast as the route is accessible.	Due to presence of Dense forest the accessibility is difficult in O&M stages.	Due to presence of Dense forest and no access road near the route, the accessibility is difficult in O&M stages.
viii.)	Overall remarks		Techno-commercially most feasible route in view of involvement of less forest area, less route length and accessibility for construction & Maintenance.	Techno-commercially less feasible due to large & dense forest area.	Techno-commercially less feasible due to large & dense forest area and difficulty in accessibility for construction & Maintenance.