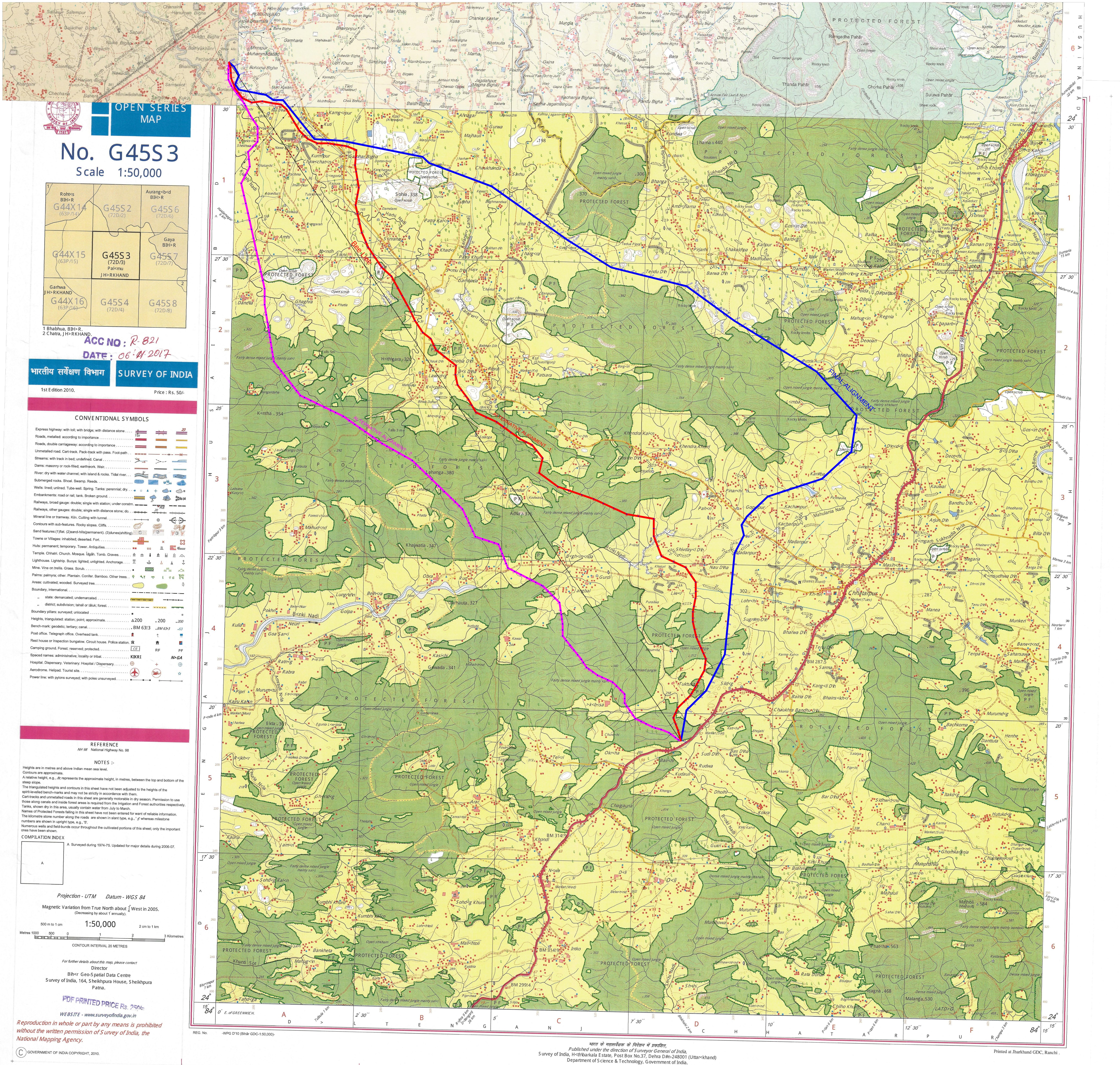


TOPO LOCATION MAP SHOWING TWO ALTERNATIVE WITH FINAL ALIGNMENT OF 132 KV D/C CHHATARPUR - JAPLA TRANSMISSION LINE



JHARKHAND URJA SANCHARAN NIGAM LIMITED				
132 KV D/C CHHATARPUR - JAPLA TRANSMISSION LINE				
THREE ALTERNATIVE ROUTE EXAMINATION				
SL NO.	DISCRIPTION / ROUTE PARTICULARS	ROUTE-I (FINAL)	ROUTE-II(ALTERNATIVE)	ROUTE-III(ALTERNATIVE)
1	a) Colour	Blue	Red	Magenta
	b) Bee Line	25.1 Km.	25.1 Km.	25.1 Km.
	c) Length	35.66	31.37	45.81
	d) Angle Points /Tower Locations	120	112	142
2	Environmental impact	N/A	N/A	N/A
	Houses wighin ROW	No Houses within ROW corricor	No Houses within ROW corricor	No Houses within ROW corricor
	No. of Trees in ROW	459	638	1086
	Area of Forest Land	23.2676 Ha.	29.40 Ha.	52.68 Ha.
3	Details of Crossing			
	No. of Railway Crossing	Nil	Nil	Nil
	HT Line (132 kV/220 KV/400KV/765KV) Crossing	1	2	1
	National/State Highway Crossings	1	2	Nil
	River Crossing	Nil	Nil	Nil
4	Recommendations	This alternative (Route-1 Final) has minimum Route length though having the minimum no. of angle points, it has been found most suitable as it is having a well connected road network for construction and maintenance of the T/L with less forest length and area also minimum no. of trees in Line corridor area compared to other two alternatives Henc considered most feasible and economical.		


SENIOR MANAGER
TRANSMISSION DIVISION
DALTONGANJ