

Division of 61 Ha of Forest Land for the Construction of Tunkur Branch Canal in Udupere Reserve Forest (9.28 Ha) of Kadur Taluk, Chikmagalur District and Bukkapatna Reserve Forest (51.72) of Sirat Taluk, Tumkur District (Alternative Analysis Map)

Table No. 1: Alternative Analysis of Udupere Forest Area

Sl.No	Particulars	Proposed	Alternative I	Alternative II	Alternative III
1	Change	60.214-49.417	60.214	60.464	60.464
2	Component	Canal	Canal	Canal	Canal
3	Open Canal Length	1.142 Km	4.67 Km	53.06 Km	53.06 Km
4	Length in Forest Area	1.142 Km	2.10 Km	1.71 Km	1.71 Km
5	Forest Area Required (Ha)	9.28 Ha	2.10 Ha	1.71 Ha	1.71 Ha
6	Cost (Cr.)	34.8	31.96 Cr.	41.42 Cr.	41.42 Cr.

Table No. 2: Alternative Analysis of Bukkapatna Forest Area

Sl.No	Particulars	Proposed	Alternative I	Alternative II	Alternative III
1	Change	CH 149.734	CH 144.932	CH 149.180	CH 149.180
2	Open Canal Length	14.50 Km	10.84 Km	11.52 Km	10.51 Km
3	Tunnel Length	-	-	-	-
4	Component	Canal	Canal	Canal	Canal
5	Length in Forest Area	7.54 Km	6.96 Km	7.54 Km	5.43 Km
6	Forest Area Required (Ha)	50.81	67.04 Ha	79.31 Ha	117.19 Ha
7	Cost (Cr.)	47.32 Cr.	88.12 Cr.	93.84 Cr.	106.62 Cr.

As per the above table, three alternatives have been studied based on topographic contours and based on the Bureau of Land Management (Bureau of Land Management) maps. The proposed alternative is the best alternative for the construction of the Tunkur Branch Canal.

Sl.No	LIGNER RESERVE FOREST	
	Treated	Alternative I
1.	Change	65-252-64-117
2.	Component	61-195
3.	Open Canal Length	Canal
4.	Tunnel length	4.67km
5.	Length in forest reach	5.31km
6.	Forest dam (damaged) (lb)	Canal
7.	Cost (Cr)	1.712
8.		17135ha
9.		9.91ha
10.		37.98Cr
11.		43.4Cr

BIRUKAPATA RESERVE FOREST				
S/NO	Particulars	Proposed CH 149-734	Alternative I CH 144-925	Alternative II CH 149-180
1	Chaining	Nil	Nil	180/372m
2	Open Canal Length	14.799km	10.44km	20.531km
3	Tunnel Length	-	-	-
4	Component	Canal	Canal	Canal
5	Length of Forest reach	7.573km	7.524km	5.548km
6	Forest area covered (ha)	58.81	67.6041	111.919m
7	Cost in Rs.	47,252	86,724	95,845
8	Cost in Rs.	47,252	86,724	105,852

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As per above info, since alternatives have been suggested based on irrigation canals and brooks on the Dhule-Minimum (Minimum Forest) area criteria, the proposed alignment option having the least forest area of 6.29 Ha, is chosen for implementation for which clearance is sought.

Minimum (Minimum Forest) area criteria, the proposed alignment option having the least forest area (0.5081 Ha), is chosen for implementation for which clearance is sought.

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ಎ.ಪಿ.ಸಿ.ಸಿ., ಭೇದೋದ್ದೇಶ ಉಪ ವಿಭಾಗ
ಸಂ.24. ಕಲ್ಕತ್ತಾ, ಶಿಲಾ.

Executive Engineer
Visweswara Jala Nigama Limited,
Lipted Bhadra Project Division, NO. 1,
Sira Tanku Dist.