

MAP SHOWING THE ALTERNATE ALIGNMENT FOR THE MODIFICATION IN THE DIVERSION OF STAGE II APPROVED FC PROPOSAL INVOLVING DIVERSION OF 111.57Ha OF FOREST LAND TO 103.60 Ha OF FOREST LAND OF THE CHITRADURGA BRANCH CANAL

DEVARAGUDDA RESERVE FOREST

ALTERNATIVE ANALYSIS

Sl.No	Particulars	Alignment		
		Proposed	Alternative-1	Alternative-2
17.26	Component	Devaragudda Reserve Forest		
2.	Open Canal Length	3.630 Km	10.603 Km	8.514 Km
3.	Length in forest reach	3.630 Km	10.220 Km	7.10 Km
4.	Forest Area Required (Ha)	41.23	107.60	74.75

Alternative I
Length in Forest - 10.220 Km

Proposed Alignment
Length in Forest
3.630 Km

Old Alignment
Length in Forest -
4.414 Km

Alternative II
Length in Forest -
7.10 Km

Legend

- APPROVED ALIGNMENT
- PROPOSED ALIGNMENT
- ALTERNATIVE II
- ALTERNATIVE I

PREPARED BY:



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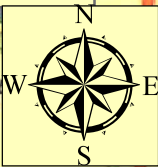
Note: The Approved and the Porposed alignment in this reach is overlapping due to same alignmnet but the width in this reach is increased.

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JANKALLU RESERVE FOREST

B. Jankal RF

Sl.No	Particulars	Alignment			
		FC Approved	Proposed (Modified)	Alternative-1	Alternative-2
1.	Component	Canal	Canal & Tunnel	Canal & Tunnel	Canal & Tunnel
2.	Open Canal Length	3.16 Km	3.10 Km	6.70 Km	5.92 Km
3.	Length in Forest reach	3.16 Km	3.10 Km	5.90 Km	5.69 Km
4.	Forest Area Required (Ha)	12.45	7.98	14.80	14.28



ALTERNATIVE I

PROPOSED ALIGNMENT

APPROVED ALIGNMENT

ALTERNATIVE II

Legend

- Approved Alignment
- Proposed Alignment
- ALTERNATIVE II
- ALTERNATIVE I

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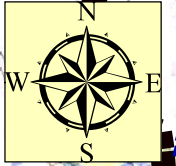
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LAKKIHALLI RESERVE FOREST

Lakkihalli Reserve Forest				
1.	Component	Canal	Canal & Tunnel	Canal & Tunnel
2.	Open Canal Length	9.08 Km	12.95 Km	18.95
3.	Length in Forest reach	9.08 Km	12.95 Km	17.26
4.	Forest Area Required (Ha)	40.85	58.07	77.40



Alternative I
Length in Forest - 12.95 Km

Proposed Alignment
Length in Forest - 9.08 Km

Approved Alignment
Length in Forest - 11.74 Km

Alternative II
Length - 17.26 Km

Legend

- Approved Alignment
- Proposed Alignment
- ALTERNATIVE II
- ALTERNATIVE I

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KOOLALU-BHARAMPURA DEEMED FOREST

Koolalu - Bharampura Deemed Forest				
1.	Component	Canal	Canal & Tunnel	Canal & Tunnel
2.	Open Canal Length	1.56 Km	3.01 Km	3.30
3.	Length in Forest reach	1.56 Km	2.31 Km	2.65
4.	Forest Area Required (Ha)	9.07	7.35	8.44



ALTERNATIVE I
LENGTH IN FOREST - 2.31 Km

ALTERNATIVE II
LENGTH IN FOREST - 2.65 Km

PROPOSED ALIGNMENT
LENGTH IN FOREST - 1.56 Km

APPROVED ALIGNMENT
LENGTH IN FOREST - 0 Km

Legend

- Approved Alignment
- Proposed Alignment
- ALTERNATIVE II
- ALTERNATIVE I
- Deemed_Forest

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ALTERNATIVE ANALYSIS

Sl.No	Particulars	Alignment		
		Proposed	Alternative-1	Alternative-2
Devaragudda Reserve Forest				
17.26	Component	Canal	Canal & Tunnel	Tunnel & Canal
2.	Open Canal Length	3.630 Km	10.603 Km	8.514 Km
3.	Length in forest reach	3.630 Km	10.220 Km	7.10 Km
4.	Forest Area Required (Ha)	41.23	107.60	74.75
Jankallu Reserve Forest				
1.	Component	Canal	Canal & Tunnel	Canal & Tunnel
2.	Open Canal Length	3.18 Km	6.70 Km	5.92 Km
3.	Length in Forest reach	3.18 Km	5.90 Km	5.69 Km
4.	Forest Area Required (Ha)	12.45	14.80	14.28
Lakkihalli Reserve Forest				
1.	Component	Canal	Canal & Tunnel	Canal & Tunnel
2.	Open Canal Length	9.08 Km	12.95 Km	18.95
3.	Length in Forest reach	9.08 Km	12.95 Km	17.26
4.	Forest Area Required (Ha)	40.85	58.07	77.40
Koolalu - Bharampura Deemed Forest				
1.	Component	Canal	Canal & Tunnel	Canal & Tunnel
2.	Open Canal Length	1.56 Km	3.01 Km	3.30
3.	Length in Forest reach	1.56 Km	2.31 Km	2.65
4.	Forest Area Required (Ha)	9.07	7.35	8.44
Total Forest Land in the entire Alignment				
1	Total Forest Land in Ha	103.60	187.82	174.87
Cost of the project in Crores				
1	Total Cost of the project	12340	16540	17589

As per the above table, three alternatives have been studied based on irrigation contours and based on the Barest minimum (Minimum Forest) area criteria, the proposed alignment is having the least forest area i.e. 91.89 Ha, is chosen for the implementation for which the clearance is sought.


 Executive Engineer
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 Hosadurga