



Project Name: Proposed Bannahalli Lift Irrigation Scheme
in Maddur Taluk of Mandya District

Description: Georeferenced map of Proposed
Bannahalli Lift Irrigation Scheme
Alternate Alignments

Taluk : Maddur
District : Mandya

Note* : Rising main Pipe line trench width is 8 Meter
Distributary Pipe line trench width is 2.0 Meter
(Distributary Chember L-1.5X W1.5 Mtr structures
with in the Rising main & Distributary pipeline trench)

Alternate Alignment Examination Results:											
Sl No	Alternate Alignment	Component	Non Forest area				Forest area				Total
			Length	Width	Sq mtr	Area in Ha	Length	Width	Sq mtr	Area in Ha	
1	Alternate Alignment-1	Jackwell	44	20	880	0.0880					0.088
2		Distributary pipeline	23213.633	2	46427.266	4.6427		2	0	0.0000	4.643
3		Rising Main	11223.626	3.5	39282.691	3.9283	3808.026	3.5	13328.091	1.3328	5.261
Total						8.6590				1.3328	9.992

1	Alternate Alignment-2	Jackwell	44	20	880	0.0880					0.088
2		Distributary pipeline	20714.586	2	41429.172	4.1429	358.796	2	717.592	0.0718	4.215
3		Rising Main	13925.487	3.5	48739.2045	4.8739	434.722	3.5	1521.527	0.1522	5.026
Total						9.1048				0.2239	9.329

1	Final Alignment	Jack well	44	20	880.00	0.0900					0.090
2		Rising main	13001.00	3.50	45503.50	4.5504	2160.75	3.50	7562.63	0.7563	5.307
3		Distributary pipeline	19210.00	2.00	38420.00	3.8420	457.00	2.00	914.00	0.0914	3.933
Total					8.4824					0.8477	9.330

Alternate Alignment Examination Results:	
Alternate Alignment-1:	Reason for not select- For this Alignment required forest land is 1.3328 ha and 8.659 ha non forest area. Since because of more forest area this alignment is not considered
Alternate Alignment-2	Reason for not select- For this Alignment required forest land is 0.2239 ha and 9.105 ha non forest area. This alignment will passes along Agriculture plantation areas, it required more cuttings of horticulture plantations and also crop lands are belongs to small holding farmers
Final Alignment	Reason for selection- For this alignment required forest land is 0.8477 ha and 8.4824 ha of non forest area. This alignmentpasses all along the slope of the ridge line and without cutting of any horticulture plantations

Submitted by: