

Justification

We have marked two alternative alignments for laying pipeline in the forest land in addition to proposed alignment in the map. Lengths of 2 alternative alignments is 1.76km(route2) and 1.78Km (route 3) .But economically suitable alignment for laying pipeline is having a length of 1.99Km (route 1) . Two alignments which are having distances less than the **route 1** alignment, These two alignments are having obstructions like trees , ponds and hillocks etc., and it is very difficult for laying pipeline .

Because of above reasons we proposed **route 1** alignment for laying pipeline in the forest land which is economically suitable and for regular maintainance.


Executive Engineer,
RDWS&S Division, Ballari.

Justification

Since this alignment is very short and economically viable, and there is no other suitable alignment for laying the proposed pipeline and easy for regular maintenance. And this alignment has been got approved from our Chief Engineer Bengaluru. As this forest area is going to be used hardly 0.597 hectare, which may not affect the wild life century, Since our pipeline will be beneath the ground. Further this project is being done for supplying the drinking water to the 10 villages where the acute scarcity of drinking water is cropped up and moreover they are quality affected villages.


Executive Engineer,
RDWS&S Division, Ballari.

COMPONENT WISE BREAKUP DETAILS

Diversion of 0.597 ha. Of forest land & 1.152 ha. Of Non-forest land in Bukkasagara village in Hosapete Taluk, Ballari District, for providing combined water supply scheme (CWSS) to Bukkasagara & Other 03 village and Devasamudra & other 02 village in Hosapete Taluk, Ballari District, in favor of the Assistant Executive Engineer, Rural Water supply sub division, Kalyan Nagara, Hosapete, Proposal No FP/KA/WATER/19533/2016

Forest Land

Sl. No	Component Details	Villages	Sy. No	Length in Mtrs	Width in Mtrs	Area in (Cum)	Area in Ha.
1	For Laying of Pipe line length 1990 Mtrs x width 3 Mtrs = 5970/10000 = 0597 Ha.	Bukkasagara	549	264	3	793	0.079
2		Bukkasagara	550	120	3	360	0.036
3		Bukkasagara	551	456	3	1367	0.137
4		Kanavi Thimmalapura	258	787	3	2361	0.236
5		Kanavi Thimmalapura	133	363	3	1089	0.109
				1990	-	5970	0.597

Nonforest Land

Sl. No	Component Details	Villages	Sy. No	Length in Mtrs	Width in Mtrs	Area in (Cum)	Area in Ha.
1	For Laying of Pipe line length in Bukkasagara Non forest area 2738 Mtrs x width 3 Mtrs = $2738/10000 = 0.2738$ Total 0.821 Ha.	Bukkasagara	549	126	3	378	0.038
2		Bukkasagara	548	345	3	1035	0.104
3		Bukkasagara	547	362	3	1086	0.109
4		Bukkasagara	551	272	3	816	0.082
		Bukkasagara	191	73	3	219	0.022
		Bukkasagara	190	142	3	426	0.043
		Bukkasagara	189	216	3	648	0.065
		Bukkasagara	188	403	3	1209	0.121
		Bukkasagara	194	309	3	927	0.093
		Bukkasagara	195	96	3	288	0.029
		Bukkasagara	225	135	3	405	0.041
		Bukkasagara	240	259	3	777	0.078
		Total		2738	3	8214	0.821

	For Laying of Pipe line length in Kanavi Thimmalapura Non forest aria 3306 Mtrs x width 3 Mtrs = 3306/10000 = 0.3306 Total 0.331 Ha.	Kanavi Thimalapura	134	235	3	705	0.071
		Kanavi Thimalapura	135	74	3	222	0.022
		Kanavi Thimalapura	191/A	793	3	2379	0.238
Total				1102		3306	0.331
Grand Total				3840		11520	1.152


Executive Engineer,
RDWS&S Division, Ballari.