

### COST OF THE PROJECT

Civil Engineering	3634.956	Crores
Signal & Telecommunication	59.790	Crores
Electrical	54.857	Crores
Total	3749.603	Crores
Cost of Rolling Stock	235.034	Crores
<b>Total</b>	<b>3984.637</b>	<b>Crores</b>

### Residual value (Assuming the life of Asset of 100 years)

Sl. No.	Description	Cost	Residual Factor	Value
1	Land	340.819	100%	340.819
2	Formation	1744.069	100%	1744.069
3	Bridges	809.637	70%	566.746
4	P.Way	412.664	35%	144.432
5	Station Buildings	20.287	70%	14.201
6	Plant & Equipment	1.236	100%	1.236
7	Rolling Stock	235.034	35%	82.262
	<b>Total</b>	<b>3563.746</b>		<b>2893.765</b>

## COST BENEFIT ANALYSIS

a)	Total cost of the project	3984.637	Crores
b)	Deduct Residual Value	2893.765	Crores
	Net	1090.872	Crores
	Add maintenance charges of track 3%	32.726	Crores
	Net	1123.598	Crores

### I. Loss of timber

a)	DFO/Dharwad	1.41	Crores	As given by DFO/Dharwad		
b)	DFO/Yellapur	7.31	Crores	As given by DFO/Yellapur		
c)	DFO/Karwar	12.88	Crores	As given by DFO/Karwar		
	<b>TOTAL</b>	<b>21.60</b>	<b>Crores</b>			

### II . Loss of Environment

a)	DFO/Dharwad	$1.2674 \times 43.38 \times 0.60$		31.938	Crores	Calculated as per norms prescribed in the annexure VI.b of FC act 1980
b)	DFO/Yellapur	$1.2674 \times 297.07 \times 0.80$		278.463	Crores	
c)	DFO/Karwar	$1.2674 \times 326.55 \times 0.80$		282.794	Crores	
	<b>TOTAL</b>			593.196	Crores	

Cost of the project	1123.598	Crores
Add value of loss of timer	21.600	Crores
Add value of loss of Environment	593.196	Crores
<b>TOTAL</b>	<b>1738.394</b>	<b>Crores</b>

BC Ratio= Net Earnings/Cost of Project

**12.14**

## HUBLI-ANKOLA NEW BROAD GAUGE RAILWAY LINE

### COST BENEFIT ANALYSIS

Taluk:Hubli,Kalghatagi,Yellapur,Ankola.

Dist:Dharwad and

Uttar Kannada

Length:164,439Km

#### A.Gross Receipts for 30 years

1.Through Goods	17754.4	Crores
2.Through Passengers	690.21	Crores
<b>Total</b>	<b>18444.6</b>	<b>Crores</b>

#### B.Expenditure for 30 years

1.Through Goods	5207.38	Crores
2. Through Passengers	810.76	Crores
<b>Total</b>	<b>6018.14</b>	<b>Crores</b>

#### C. Net Receipts for 30 years

1.Through Goods	12547	Crores
2. Through Passengers	-120.55	Crores
<b>Total</b>	<b>12426.5</b>	<b>Crores</b>

Proportionate earning :  $12426.45 \times 50 / 30 = 20710.75$  Crores For 50 Years

Add for beneficial consequences like

a) Trade and transport infrastructure

b) Development of Region

c) Employment opportunities



400.00 Crores

\*Tentative, actual benefits are likely to be much higher.

**21110.75** Crores