

Annexure 14.2**Basis of Unit Cost****1. Alignment & Formation**

a)	Elevated Section	Qty.	Contract Amount	Rate/ Unit
	DMRC rates RC2B LOT 1 & 2 - 6.97Km		154.29 Cr.	22.14 Cr/Km
	Less taxes @ 4 % (-)			0.92 Cr
				<hr/> 21.22 Cr/Km

Reduction for Bangalore due to:

- 1) Axle load 15 t
- 2) Scismic Zone 2 or (3)
- 3) Good soil condition
- 4) Reduced width of deck

To consider 75 % of Delhi cost = $0.75 \times 21.22 = 15.92$ Cr/Km

Say = Rs. 16 Cr./Km

(b) Elevated Station

DMRC rates for RC2B LOT 3,4&5	8stations	131.08Cr	16.40cr/stn.
Less 4% for taxes			(-)0.66
			<hr/> 15.74
Cost includes cost for Viaduct also.			(-) 3.92
Less for Viaduct @ 21.22 x 0.185			<hr/> 11.82 Cr.

Reduction for Bangalore due to reduction in the length of station from 185 Km to 135 Km.

To consider 75 % of 11.82 Cr = Rs. 8.86 Cr.

Say = Rs. 9 Cr.

(c) Under ground section

	Qty.	Cost	Rate
Cost as per MC1A & MC1B Contract	11 Km	2581.4 Cr.	234.67 Cr
Less for custom duty & works tax			(-) 29.37 Cr
			<hr/> 205.30 Cr

For Bangalore assume 75 % of cost = 153.75 Cr.

Less for VAC (Taken separately) = 10.75 Cr.

Net cost per Km. 143.00 Cr.

Take 70 % for mid section

Length of Ramp = 10 % of UG portion 100.1 Cr.

So 5 % reduction is assumed

Hence rate / Km. = 95 Crores/Km

30 % for station = Rs. 42.9 Crores

Say = Rs. 42 Crores

(d) At grade station

Assume 50 % of elevated station

Say = Rs. 5.00 Cr./Station

2. Permanent Way (cost Estimate)

Cost of RC 3 contract	161.80 Crores
Depot track (Less)	(-) 44.24 Crores
Section Cost	117.56 Crores
22 Km Elevated portion @ 84 %	98.75 Crores
4.1 Km at grade portion @ 16 %	18.80 Crores
Elevated track/Km 98.75/22	5.52 Crores
At grade track/Km 18.80/4.4	4.59 Crores
Taxes & works tax	1.62 Crores / Km
Net cost for elevated section	3.9 Crores
At grade section	2.97 Crores
Underground section (Estimated) 20 % above elevated	4.68 Crores
Cost in Depot (Single track)/Km	1.44 Crores

	E-W	N-S	Rate	(E-W) Amount	(N-S)
Elevated	14.7	11.9	3.9	57.33	46.41
U/ground	3.5	3.1	4.68	16.38	14.51
Link line	0.40	-	2.84	1.14	
Depot	15	12	1.44	21.6	17.28
			Total	96.45	78.20
			Say	97.00	79.00