

Reconnaissance Engineering Traffic Survey

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SAMPLE CIVIL ENGINEERING COST ESTIMATES

Sno		Description	Cash	Stores	TOTAL	CAPITAL	RATE PER KM in Cr
I	1110	Preliminary expenses	10244355	0	10244355	10244355	0.027
II	1120	Land	521647620	0	521647620	521647620	1.391
III	1130	Formation	465273198	0	465273198	465273198	1.241
	1131	(A) Earthwork	414385964	0	414385964	414385964	
		(B) Side drains	32907820	0	32907820	32907820	
		(C) Walling	17979414	0	17979414	17979414	
IV	1140	Permanent Way	548900748	468320392	1017221140	1017221140	2.713
	1141	Rails and Fastenings	52895646	303537302	356432948	356432948	
	1142	Sleepers and fastenings	33868254	136639537	170507791	170507791	
	1143	Points and Crossings	1731601	28143553	29875154	29875154	
	1144	Ballast	111072550	0	111072550	111072550	
	1145	Fencing	6262000	0	6262000	6262000	
	1146	Roads crossings& FOBs	340162271	0	340162271	340162271	
	1147	Miscellaneous	2908426	0	2908426	2908426	
V	1150	Bridges	284374371	0	284374371	284374371	0.758
	1150	Bridges - Major	150466507	0	150466507	150466507	
	1150	Bridges - Minor	133907864	0	133907864	133907864	
VI	1160	Stations and Buildings	84231105	0	84231105	84231105	0.225
	1162	Stations and platforms	43847665	0	43847665	43847665	
	1164	Other Service Buildings	8486707	0	8486707	8486707	
	1165	Residential Buildings	29964603	0	29964603	29964603	
	1167	Fixed Station Machinery	1932130	0	1932130	1932130	
VII	1170	Eqpt Plant&Machinery	15742870	0	15742870	15742870	0.042
		subtotal	1930414267	468320392	2398734659	2398734659	6.397
VIII	1180	General charges @7.83%	151151437	36669487	187820924	187820924	
IX	1190	General charges @1.30%	25095385	6088165	31183551	31183551	
		COST OF CIVIL ENGG	2106661089	511078044	2617739134	2617739134	6.981
		COST OF S&T ENGG	178068488	108754183	286822671	286822671	0.765
		COST OF ELEC ENGG	61225243	164940900	226166143	226166143	0.603
		TOTAL COST	2345954820	784773127	31307,27,948	31307,27,948	8.349

Total cost per km of project in Crores

8.349



TRAFFIC SURVEY

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