

NH54 Sec-3, PKG-6 (S-3-1) BREAKDOWN OF CONSTRUCTION COST

L= 45.5 km

S. NO.	DESCRIPTION	Q'TY	UNIT	AMOUNT (Rs)
(A) CONSTRUCTION COST				
A1	SITE CLEARANCE			6,022,670
	A1.1 Clearing and Grubbing	52.94	hectare	1,711,286
	A1.2 Dismantling of Structures	1	LS	3,258,353
	A1.3 Cutting of Trees	1,041	each	1,053,031
A2	EARTHWORK			863,456,994
	A2.1 Excavation in Soil	23,191	cum	5,270,155
	A2.2 Excavation in Ordinary Rock	902,727	cum	291,806,341
	A2.3 Excavation in Hard Rock	205,558	cum	114,752,474
	A2.4 Excavation for Structures in Soil	1,748	cum	138,092
	A2.5 Excavation for Structures in Ordinary Rock	61,902	cum	6,499,710
	A2.6 Excavation for Structures in Hard Rock	19,050	cum	16,935,450
	A2.7 Embankment Construction	132,737	cum	25,087,293
	A2.8 Scarifying Existing Bituminous Surface	24,800	sqm	471,200
	A2.9 Subgrade	30,797	cum	14,566,981
	A2.10 Spoil Bank	1,050,640	cum	387,929,298
A3	PAVEMENT			1,895,749,236
	A3.1 Granular Sub-base	138,786	cum	427,599,666
	A3.2 Wet Mix Macadam	113,595	cum	353,507,640
	A3.3 Prime Coat	454,378	sqm	19,992,632
	A3.4 Tack Coat	507,155	sqm	10,143,100
	A3.5 Dense Graded Bituminous Macadam	44,817	cum	597,634,695
	A3.6 Bituminous Concrete	20,104	cum	300,233,136
	A3.7 Surface Dressing	1,822	sqm	251,417
	A3.8 Carriage of Materials	1	LS	186,386,950
A4	DRAINAGE			394,158,706
	A4.1 Lined Ditch 300 mm	43,276	metre	102,750,447
	A4.2 Sub Surface Drain with Perforated Pipe	0	metre	0
	A4.3 Pipe Culvert 1,200 mm (Re-Construction)	183	each	215,672,454
	A4.4 Pipe Culvert 1,200 mm (New Construction)	47	each	51,309,242
	A4.5 Box Culvert 2 m x 2 m	6	each	18,044,460
	A4.6 Box Culvert 3 m x 3 m	0	each	0
	A4.7 Box Culvert 4 m x 4 m	1	each	6,382,103
	A4.8 Box Culvert 4 m x 6 m	0	each	0
A5	BRIDGE			0
A6	SLOPE PROTECTION			1,485,220,063
	A6.1 Wet Masonry Retaining Wall (H=3m)	9,060	metre	143,990,580
	A6.2 Wet Masonry Retaining Wall (H=7m)	1,450	metre	83,221,300
	A6.3 Gravity Wall (H=1.5m)	3,880	metre	71,089,360
	A6.4 Gravity Wall (H=2m)	3,960	metre	96,740,160
	A6.5 Gravity Wall (H=3m)	4,220	metre	154,637,680
	A6.6 Gravity Wall (H=4m)	3,200	metre	156,347,733
	A6.7 Gravity Wall (H=5m)	2,220	metre	135,582,800
	A6.8 Gravity Wall (H=6m)	1,120	metre	82,082,560
	A6.9 Reinforced Earth Retaining Wall (H=7m)	740	metre	132,904,814
	A6.10 Reinforced Earth Retaining Wall (H=8m)	480	metre	98,524,032
	A6.11 Reinforced Earth Retaining Wall (H=9m)	140	metre	32,328,198
	A6.12 Reinforced Earth Retaining Wall (H=10m)	420	metre	107,760,660
	A6.13 Gabion Wall (1:0.3)	960	cum	3,056,640
	A6.14 Rockfall Prevention Wall (H=3m)	5,177	cum	32,421,250
	A6.15 Rockfall Prevention Fence (H=2m)	1,190	metre	11,810,750
	A6.16 Hydroseeding (t=5cm)	0	sqm	0
	A6.17 Seeding and Mulching (Soil Cut Slope)	245,558	sqm	58,933,920
	A6.18 Turfing (Embankment)	24,492	sqm	1,983,852
	A6.19 Vegetation Mat (Steep Slope)	0	sqm	0
	A6.20 Crib Work (F300)	16,599	sqm	57,814,806
	A6.21 Crib Work (F500)	0	sqm	0
	A6.22 Non-frame	0	sqm	0
	A6.23 Earth Removal	280	cum	77,280
	A6.24 Counterweight Fill	0	cum	0
	A6.25 Groundwater Drainage Work	450	metre	5,329,687
	A6.26 Anchor Work (F110UA)	0	metre	0
	A6.27 Rock-bolt Work (D22)	3,097	metre	18,582,000
	A6.28 Emrgency Works	0	km	0
A7	TRAFFIC SAFETY FACILITIES			34,784,329
	A7.1 Traffic Sign	1	LS	1,038,548
	A7.2 Road Marking	11,177	sqm	13,424,095
	A7.3 Road Delineator	40	each	172,351
	A7.4 Guard Rail	2,370	metre	13,610,494
	A7.5 Street Furniture	4,965	each	6,538,841
A8	ROAD APPURTENANCES			30,208,293
	A8.1 Kilometer Stone (5km)	9	each	50,753
	A8.2 Kilometer Stone (1km)	36	each	121,231
	A8.3 Kilometer Stone (200m)	182	each	166,895
	A8.4 Boundary Stone	547	each	471,515
	A8.5 Bus Bay and Road Amenity	5	each	27,859,835
	A8.6 View Point	3	each	1,538,064
TOTAL OF (A)				4,709,600,291