

NH54 Sec-1, PKG-2 (S-1-2) BREAKDOWN OF CONSTRUCTION COST

L= 50.9 km

S. NO.	DESCRIPTION	Q'TY	UNIT	AMOUNT (Rs)
(A) CONSTRUCTION COST				
A1	SITE CLEARANCE			8,088,277
	A1.1 Clearing and Grubbing	52.48	hectare	1,696,416
	A1.2 Dismantling of Structures	1	LS	4,830,685
	A1.3 Cutting of Trees	1,544	each	1,561,176
A2	EARTHWORK			626,559,749
	A2.1 Excavation in Soil	144,277	cum	32,786,869
	A2.2 Excavation in Ordinary Rock	730,849	cum	236,246,952
	A2.3 Excavation in Hard Rock	41,645	cum	23,248,290
	A2.4 Excavation for Structures in Soil	11,320	cum	894,302
	A2.5 Excavation for Structures in Ordinary Rock	71,284	cum	7,484,823
	A2.6 Excavation for Structures in Hard Rock	6,575	cum	5,845,029
	A2.7 Embankment Construction	299,417	cum	56,589,813
	A2.8 Scarifying Existing Bituminous Surface	57,967	sqm	1,101,373
	A2.9 Subgrade	52,815	cum	24,981,495
	A2.10 Spoil Bank	653,718	cum	237,380,803
A3	PAVEMENT			1,803,787,675
	A3.1 Granular Sub-base	136,159	cum	419,505,879
	A3.2 Wet Mix Macadam	111,365	cum	346,567,880
	A3.3 Prime Coat	445,462	sqm	19,600,328
	A3.4 Tack Coat	439,024	sqm	8,780,480
	A3.5 Dense Graded Bituminous Macadam	43,905	cum	585,473,175
	A3.6 Bituminous Concrete	17,520	cum	261,643,680
	A3.7 Surface Dressing	2,881	sqm	397,627
	A3.8 Carriage of Materials	1	LS	161,818,626
A4	DRAINAGE			346,365,352
	A4.1 Lined Ditch 300 mm	39,854	metre	88,686,342
	A4.2 Sub Surface Drain with Perforated Pipe	0	metre	0
	A4.3 Pipe Culvert 1,200 mm (Re-Construction)	186	each	208,959,468
	A4.4 Pipe Culvert 1,200 mm (New Construction)	47	each	48,719,542
	A4.5 Box Culvert 2 m x 2 m	0	each	0
	A4.6 Box Culvert 3 m x 3 m	0	each	0
	A4.7 Box Culvert 4 m x 4 m	0	each	0
	A4.8 Box Culvert 4 m x 6 m	0	each	0
A5	BRIDGE			0
	A5.1 Steel Arch Bridge (KM74+660)	0	LS	0
A6	SLOPE PROTECTION			1,547,967,935
	A6.1 Wet Masonry Retaining Wall (H=3m)	14,230	metre	216,253,310
	A6.2 Wet Masonry Retaining Wall (H=7m)	2,200	metre	120,771,200
	A6.3 Gravity Wall (H=1.5m)	1,400	metre	25,650,800
	A6.4 Gravity Wall (H=2m)	2,840	metre	69,379,307
	A6.5 Gravity Wall (H=3m)	4,970	metre	182,120,680
	A6.6 Gravity Wall (H=4m)	3,440	metre	168,073,813
	A6.7 Gravity Wall (H=5m)	2,900	metre	177,112,667
	A6.8 Gravity Wall (H=6m)	2,280	metre	167,096,640
	A6.9 Reinforced Earth Retaining Wall (H=7m)	780	metre	140,088,858
	A6.10 Reinforced Earth Retaining Wall (H=8m)	260	metre	53,367,184
	A6.11 Reinforced Earth Retaining Wall (H=9m)	180	metre	41,564,826
	A6.12 Reinforced Earth Retaining Wall (H=10m)	380	metre	97,497,740
	A6.13 Gabion Wall (1:0.3)	820	cum	2,610,880
	A6.14 Rockfall Prevention Wall (H=3m)	0	cum	0
	A6.15 Rockfall Prevention Fence (H=2m)	0	metre	0
	A6.16 Hydroseeding (t=5cm)	405	sqm	1,660,500
	A6.17 Seeding and Mulching (Soil Cut Slope)	164,462	sqm	39,470,867
	A6.18 Turfing (Embankment)	226,150	sqm	18,318,159
	A6.19 Vegetation Mat (Steep Slope)	0	sqm	0
	A6.20 Crib Work (F300)	2,263	sqm	7,881,051
	A6.21 Crib Work (F500)	0	sqm	0
	A6.22 Non-frame	1,600	sqm	14,004,290
	A6.23 Earth Removal	180	cum	49,680
	A6.24 Counterweight Fill	0	cum	0
	A6.25 Groundwater Drainage Work	225	metre	2,664,844
	A6.26 Anchor Work (F110UA)	0	metre	0
	A6.27 Rock-bolt Work (D22)	388	metre	2,330,640
	A6.28 Emergency Works	0	km	0
A7	TRAFFIC SAFETY FACILITIES			64,185,040
	A7.1 Traffic Sign	1	LS	1,539,704
	A7.2 Road Marking	15,371	sqm	18,461,135
	A7.3 Road Delineator	119	each	515,727
	A7.4 Guard Rail	6,039	metre	34,675,629
	A7.5 Street Furniture	6,828	each	8,992,845
A8	ROAD APPURTENANCES			25,856,330
	A8.1 Kilometer Stone (5km)	12	each	66,214
	A8.2 Kilometer Stone (1km)	49	each	165,208
	A8.3 Kilometer Stone (200m)	246	each	226,066
	A8.4 Boundary Stone	1,230	each	1,060,222
	A8.5 Bus Bay and Road Amenity	4	each	22,287,868
	A8.6 View Point	4	each	2,050,752
	TOTAL OF (A)			4,422,810,358