

NH54 Sec-3, PKG-8 (S-3-3) BREAKDOWN OF CONSTRUCTION COST
L= 39.9 km

S. NO.	DESCRIPTION	Q'TY	UNIT	AMOUNT (Rs)
(A) CONSTRUCTION COST				
A1	SITE CLEARANCE			5,796,742
	A1.1 Clearing and Grubbing	63.26	hectare	2,044,880
	A1.2 Dismantling of Structures	1	LS	2,835,491
	A1.3 Cutting of Trees	906	each	916,371
A2	EARTHWORK			762,725,097
	A2.1 Excavation in Soil	57,736	cum	13,120,602
	A2.2 Excavation in Ordinary Rock	954,625	cum	308,582,691
	A2.3 Excavation in Hard Rock	83,179	cum	46,434,953
	A2.4 Excavation for Structures in Soil	4,832	cum	381,709
	A2.5 Excavation for Structures in Ordinary Rock	56,897	cum	5,974,215
	A2.6 Excavation for Structures in Hard Rock	11,762	cum	10,456,210
	A2.7 Embankment Construction	326,506	cum	61,709,634
	A2.8 Scarifying Existing Bituminous Surface	23,800	sqm	452,200
	A2.9 Subgrade	43,610	cum	20,627,530
	A2.10 Spoil Bank	798,917	cum	294,985,353
A3	PAVEMENT			1,848,831,471
	A3.1 Granular Sub-base	138,592	cum	427,001,952
	A3.2 Wet Mix Macadam	112,950	cum	351,500,400
	A3.3 Prime Coat	451,802	sqm	19,879,288
	A3.4 Tack Coat	445,250	sqm	8,905,000
	A3.5 Dense Graded Bituminous Macadam	44,525	cum	593,740,875
	A3.6 Bituminous Concrete	17,714	cum	264,540,876
	A3.7 Surface Dressing	1,587	sqm	219,012
	A3.8 Carriage of Materials	1	LS	183,044,068
A4	DRAINAGE			425,808,491
	A4.1 Lined Ditch 300 mm	40,477	metre	96,104,541
	A4.2 Sub Surface Drain with Perforated Pipe	0	metre	0
	A4.3 Pipe Culvert 1,200 mm (Re-Construction)	146	each	172,066,548
	A4.4 Pipe Culvert 1,200 mm (New Construction)	88	each	96,068,368
	A4.5 Box Culvert 2 m x 2 m	19	each	57,140,790
	A4.6 Box Culvert 3 m x 3 m	1	each	4,428,244
	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
A6	SLOPE PROTECTION			1,502,638,445
	A6.1 Wet Masonry Retaining Wall (H=3m)	12,860	metre	204,383,980
	A6.2 Wet Masonry Retaining Wall (H=7m)	2,000	metre	114,781,301
	A6.3 Gravity Wall (H=1.5m)	2,470	metre	45,255,340
	A6.4 Gravity Wall (H=2m)	2,480	metre	60,584,747
	A6.5 Gravity Wall (H=3m)	3,040	metre	111,397,760
	A6.6 Gravity Wall (H=4m)	3,160	metre	154,393,387
	A6.7 Gravity Wall (H=5m)	2,040	metre	124,589,600
	A6.8 Gravity Wall (H=6m)	1,660	metre	121,658,080
	A6.9 Reinforced Earth Retaining Wall (H=7m)	960	metre	172,417,056
	A6.10 Reinforced Earth Retaining Wall (H=8m)	600	metre	123,155,040
	A6.11 Reinforced Earth Retaining Wall (H=9m)	140	metre	32,328,198
	A6.12 Reinforced Earth Retaining Wall (H=10m)	300	metre	76,971,900
	A6.13 Gabion Wall (1:0.3)	1,720	cum	5,476,480
	A6.14 Rockfall Prevention Wall (H=3m)	6,047	cum	37,869,673
	A6.15 Rockfall Prevention Fence (H=2m)	1,390	metre	13,795,750
	A6.16 Hydroseeding (t=5cm)	0	sqm	0
	A6.17 Seeding and Mulching (Soil Cut Slope)	233,325	sqm	55,998,000
	A6.18 Turfing (Embankment)	114,589	sqm	9,281,709
	A6.19 Vegetation Mat (Steep Slope)	4,590	sqm	10,505,173
	A6.20 Crib Work (F300)	6,348	sqm	22,110,271
	A6.21 Crib Work (F500)	0	sqm	0
	A6.22 Non-frame	0	sqm	0
	A6.23 Earth Removal	0	cum	0
	A6.24 Counterweight Fill	0	cum	0
	A6.25 Groundwater Drainage Work	480	metre	5,685,000
	A6.26 Anchor Work (F110UA)	0	metre	0
	A6.27 Rock-bolt Work (D22)	0	metre	0
	A6.28 Emergency Works	0	km	0
A7	TRAFFIC SAFETY FACILITIES			30,270,096
	A7.1 Traffic Sign	1	LS	903,767
	A7.2 Road Marking	9,727	sqm	11,681,946
	A7.3 Road Delineator	35	each	149,983
	A7.4 Guard Rail	2,063	metre	11,844,155
	A7.5 Street Furniture	4,321	each	5,690,245
A8	ROAD APPURTENANCES			24,018,466
	A8.1 Kilometer Stone (5km)	8	each	44,166
	A8.2 Kilometer Stone (1km)	31	each	105,498
	A8.3 Kilometer Stone (200m)	158	each	145,235
	A8.4 Boundary Stone	476	each	410,323
	A8.5 Bus Bay and Road Amenity	4	each	22,287,868
	A8.6 View Point	2	each	1,025,376
TOTAL OF (A)				4,600,088,808