

NH54 Sec-2, PKG-4 (S-2-2) BREAKDOWN OF CONSTRUCTION COST

L= 42.8 km

S. NO.	DESCRIPTION	QTY	UNIT	AMOUNT (Rs)
(A) CONSTRUCTION COST				
A1	SITE CLEARANCE			5,742,670
	A1.1 Clearing and Grubbing	47.80	hectare	1,545,235
	A1.2 Dismantling of Structures	1	LS	3,172,235
	A1.3 Cutting of Trees	1,014	each	1,025,200
A2	EARTHWORK			836,151,004
	A2.1 Excavation in Soil	195,404	cum	44,405,559
	A2.2 Excavation in Ordinary Rock	656,526	cum	212,222,030
	A2.3 Excavation in Hard Rock	266,492	cum	148,769,159
	A2.4 Excavation for Structures in Soil	11,494	cum	908,026
	A2.5 Excavation for Structures in Ordinary Rock	49,085	cum	5,153,925
	A2.6 Excavation for Structures in Hard Rock	24,770	cum	22,020,530
	A2.7 Embankment Construction	237,682	cum	44,921,898
	A2.8 Scarifying Existing Bituminous Surface	20,320	sqm	386,080
	A2.9 Subgrade	36,038	cum	17,045,974
	A2.10 Spoil Bank	930,052	cum	340,317,823
A3	PAVEMENT			1,670,796,749
	A3.1 Granular Sub-base	121,653	cum	374,812,893
	A3.2 Wet Mix Macadam	99,377	cum	309,261,224
	A3.3 Prime Coat	397,507	sqm	17,490,308
	A3.4 Tack Coat	392,423	sqm	7,848,460
	A3.5 Dense Graded Bituminous Macadam	39,242	cum	523,292,070
	A3.6 Bituminous Concrete	18,884	cum	282,013,656
	A3.7 Surface Dressing	1,775	sqm	244,908
	A3.8 Carriage of Materials	1	LS	155,833,230
A4	DRAINAGE			377,857,469
	A4.1 Lined Ditch 300 mm	35,020	metre	80,312,140
	A4.2 Sub Surface Drain with Perforated Pipe	0	metre	0
	A4.3 Pipe Culvert 1,200 mm (Type-A)	154	each	176,883,784
	A4.4 Pipe Culvert 1,200 mm (Type-B)	60	each	63,704,640
	A4.5 Box Culvert 2 m x 2 m	9	each	26,513,478
	A4.6 Box Culvert 3 m x 3 m	5	each	21,686,535
	A4.7 Box Culvert 4 m x 4 m	0	each	0
	A4.8 Box Culvert 4 m x 6 m	1	each	8,756,892
A5	BRIDGE			16,962,826
	A5.1 Concrete Bridge (RC-T beam)	1	LS	16,962,826
A6	SLOPE PROTECTION			1,449,727,636
	A6.1 Wet Masonry Retaining Wall (H=3m)	17,640	metre	274,213,800
	A6.2 Wet Masonry Retaining Wall (H=7m)	2,900	metre	162,820,500
	A6.3 Gravity Wall (H=1.5m)	1,340	metre	24,551,480
	A6.4 Gravity Wall (H=2m)	2,820	metre	68,890,720
	A6.5 Gravity Wall (H=3m)	3,350	metre	122,757,400
	A6.6 Gravity Wall (H=4m)	3,450	metre	168,562,400
	A6.7 Gravity Wall (H=5m)	2,220	metre	135,582,800
	A6.8 Gravity Wall (H=6m)	2,560	metre	187,617,280
	A6.9 Reinforced Earth Retaining Wall (H=7m)	600	metre	107,760,660
	A6.10 Reinforced Earth Retaining Wall (H=8m)	280	metre	57,472,352
	A6.11 Reinforced Earth Retaining Wall (H=9m)	160	metre	36,946,512
	A6.12 Reinforced Earth Retaining Wall (H=10m)	160	metre	41,051,680
	A6.13 Gabion Wall (1:0.3)	1,030	cum	3,279,520
	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)	0	sqm	0
	A6.17 Seeding and Mulching (Soil Cut Slope)	213,146	sqm	51,155,040
	A6.18 Turfing (Embankment)	69,682	sqm	5,644,242
	A6.19 Vegetation Mat (Steep Slope)	0	sqm	0
	A6.20 Crib Work (F300)	0	sqm	0
	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	120	metre	1,421,250
	A6.26 Anchor Work (F110UA)	0	metre	0
	A6.27 Rock-bolt Work (D22)	0	metre	0
A7	TRAFFIC SAFETY FACILITIES			38,663,697
	A7.1 Traffic Sign	1	LS	233,244
	A7.2 Road Marking	10,017	sqm	12,030,609
	A7.3 Road Delineator	36	each	153,941
	A7.4 Guard Rail	3,550	metre	20,385,799
	A7.5 Street Furniture	4,450	LS	5,860,104
A8	ROAD APPURTENANCES			24,304,330
	A8.1 Kilometer Stone (5km)	8	each	43,482
	A8.2 Kilometer Stone (1km)	32	each	108,489
	A8.3 Kilometer Stone (200m)	160	each	147,475
	A8.4 Boundary Stone	802	each	691,640
	A8.5 Bus Bay and Road Amenity	4	each	22,287,868
	A8.6 View Point	2	each	1,025,376
	TOTAL OF (A)			4,420,206,381