

NH54 Sec-2, PKG-3 (S-2-1) BREAKDOWN OF CONSTRUCTION COST

L= 40.0 km

S. NO.	DESCRIPTION	Q'TY	UNIT	AMOUNT (Rs)
(A) CONSTRUCTION COST				
A1	SITE CLEARANCE			6,008,873
	A1.1 Clearing and Grubbing	59.13	hectare	1,911,377
	A1.2 Dismantling of Structures	1	LS	3,096,706
	A1.3 Cutting of Trees	990	each	1,000,790
A2	EARTHWORK			499,533,033
	A2.1 Excavation in Soil	136,332	cum	30,981,459
	A2.2 Excavation in Ordinary Rock	592,983	cum	191,681,693
	A2.3 Excavation in Hard Rock	34,358	cum	19,180,083
	A2.4 Excavation for Structures in Soil	9,774	cum	772,125
	A2.5 Excavation for Structures in Ordinary Rock	78,488	cum	8,241,282
	A2.6 Excavation for Structures in Hard Rock	6,841	cum	6,081,830
	A2.7 Embankment Construction	445,698	cum	84,236,922
	A2.8 Scarifying Existing Bituminous Surface	37,920	sqm	720,480
	A2.9 Subgrade	60,575	cum	28,651,975
	A2.10 Spoil Bank	352,503	cum	128,985,184
	A2.11 Provisional Variation in Excavation	0	cum	0
A3	PAVEMENT			1,856,944,604
	A3.1 Granular Sub-base	139,397	cum	429,482,614
	A3.2 Wet Mix Macadam	114,005	cum	354,783,998
	A3.3 Prime Coat	456,021	sqm	20,064,905
	A3.4 Tack Coat	450,062	sqm	9,001,235
	A3.5 Dense Graded Bituminous Macadam	45,010	cum	600,214,440
	A3.6 Bituminous Concrete	17,943	cum	267,965,426
	A3.7 Surface Dressing	1,732	sqm	239,077
	A3.8 Carriage of Materials	1	LS	175,192,909
A4	DRAINAGE			373,848,622
	A4.1 Lined Ditch 300 mm	40,287	metre	92,391,068
	A4.2 Sub Surface Drain with Perforated Pipe	0	metre	0
	A4.3 Pipe Culvert 1,200 mm (Re-Construction)	175	each	201,004,300
	A4.4 Pipe Culvert 1,200 mm (New Construction)	73	each	77,507,312
	A4.5 Box Culvert 2 m x 2 m	1	each	2,945,942
	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 Concrete Bridge	0	LS	0
A6	SLOPE PROTECTION			1,572,663,634
	A6.1 Wet Masonry Retaining Wall (H=3m)	15,160	metre	235,662,200
	A6.2 Wet Masonry Retaining Wall (H=7m)	1,800	metre	101,061,000
	A6.3 Gravity Wall (H=1.5m)	1,380	metre	25,284,360
	A6.4 Gravity Wall (H=2m)	3,640	metre	88,922,773
	A6.5 Gravity Wall (H=3m)	4,950	metre	181,387,800
	A6.6 Gravity Wall (H=4m)	3,660	metre	178,822,720
	A6.7 Gravity Wall (H=5m)	2,920	metre	178,334,133
	A6.8 Gravity Wall (H=6m)	2,300	metre	168,562,400
	A6.9 Reinforced Earth Retaining Wall (H=7m)	860	metre	154,456,946
	A6.10 Reinforced Earth Retaining Wall (H=8m)	320	metre	65,682,688
	A6.11 Reinforced Earth Retaining Wall (H=9m)	280	metre	64,656,396
	A6.12 Reinforced Earth Retaining Wall (H=10m)	320	metre	82,103,360
	A6.13 Gabion Wall (1:0.3)	528	cum	1,681,152
	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)	150	sqm	615,000
	A6.17 Seeding and Mulching (Soil Cut Slope)	138,506	sqm	33,241,323
	A6.18 Turfing (Embankment)	144,885	sqm	11,735,670
	A6.19 Vegetation Mat (Steep Slope)	0	sqm	0
	A6.20 Crib Work (F300)	116	sqm	404,031
	A6.21 Crib Work (F500)	0	sqm	0
	A6.22 Non-frame	0	sqm	0
	A6.23 Earth Removal	180	cum	49,680
	A6.24 Counterweight Fill	0	cum	0
	A6.25 Groundwater Drainage Work	0	metre	0
	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			37,743,134
	A7.1 Traffic Sign	1	LS	227,691
	A7.2 Road Marking	9,779	sqm	11,744,166
	A7.3 Road Delineator	35	each	150,276
	A7.4 Guard Rail	3,466	metre	19,900,423
	A7.5 Street Furniture	4,344	each	5,720,578
A8	ROAD APPURTENANCES			29,852,701
	A8.1 Kilometer Stone (5km)	8	each	42,447
	A8.2 Kilometer Stone (1km)	32	each	105,906
	A8.3 Kilometer Stone (200m)	157	each	143,964
	A8.4 Boundary Stone	783	each	675,173
	A8.5 Bus Bay and Road Amenity	5	each	27,859,835
	A8.6 View Point	2	each	1,025,376
	TOTAL OF (A)			4,376,594,601