

## NH54 Sec-3, PKG-7 (S-3-2) BREAKDOWN OF CONSTRUCTION COST

L= 39.1 km

S. NO.	DESCRIPTION	QTY	UNIT	AMOUNT (Rs)
<b>(A) CONSTRUCTION COST</b>				
<b>A1</b>	<b>SITE CLEARANCE</b>			<b>5,259,198</b>
	A1.1 Clearing and Grubbing	46.36	hectare	1,498,713
	A1.2 Dismantling of Structures	1	LS	2,842,008
	A1.3 Cutting of Trees	908	each	918,477
<b>A2</b>	<b>EARTHWORK</b>			<b>525,344,398</b>
	A2.1 Excavation in Soil	96,612	cum	21,955,077
	A2.2 Excavation in Ordinary Rock	356,014	cum	115,081,364
	A2.3 Excavation in Hard Rock	194,691	cum	108,685,972
	A2.4 Excavation for Structures in Soil	10,792	cum	852,568
	A2.5 Excavation for Structures in Ordinary Rock	43,231	cum	4,539,203
	A2.6 Excavation for Structures in Hard Rock	31,471	cum	27,977,275
	A2.7 Embankment Construction	160,780	cum	30,387,420
	A2.8 Scarifying Existing Bituminous Surface	54,080	sqm	1,027,520
	A2.9 Subgrade	34,952	cum	16,532,296
	A2.10 Spoil Bank	537077	cum	198,305,703
<b>A3</b>	<b>PAVEMENT</b>			<b>1,789,931,954</b>
	A3.1 Granular Sub-base	133,694	cum	411,911,214
	A3.2 Wet Mix Macadam	109,351	cum	340,300,312
	A3.3 Prime Coat	437,404	sqm	19,245,776
	A3.4 Tack Coat	431,672	sqm	8,633,440
	A3.5 Dense Graded Bituminous Macadam	43,167	cum	575,631,945
	A3.6 Bituminous Concrete	17,201	cum	256,879,734
	A3.7 Surface Dressing	1,591	sqm	219,571
	A3.8 Carriage of Materials	1	LS	177,109,962
<b>A4</b>	<b>DRAINAGE</b>			<b>552,113,747</b>
	A4.1 Lined Ditch 300 mm	39,447	metre	93,659,231
	A4.2 Sub Surface Drain with Perforated Pipe	0	metre	0
	A4.3 Pipe Culvert 1,200 mm (Re-Construction)	125	each	147,317,250
	A4.4 Pipe Culvert 1,200 mm (New Construction)	69	each	75,326,334
	A4.5 Box Culvert 2 m x 2 m	45	each	135,333,450
	A4.6 Box Culvert 3 m x 3 m	10	each	44,282,440
	A4.7 Box Culvert 4 m x 4 m	6	each	38,292,618
	A4.8 Box Culvert 4 m x 6 m	2	each	17,902,424
<b>A5</b>	<b>BRIDGE</b>			<b>0</b>
<b>A6</b>	<b>SLOPE PROTECTION</b>			<b>1,755,904,016</b>
	A6.1 Wet Masonry Retaining Wall (H=3m)	15,380	metre	244,434,340
	A6.2 Wet Masonry Retaining Wall (H=7m)	1,980	metre	113,640,120
	A6.3 Gravity Wall (H=1.5m)	2,580	metre	47,270,760
	A6.4 Gravity Wall (H=2m)	3,840	metre	93,808,640
	A6.5 Gravity Wall (H=3m)	3,600	metre	131,918,400
	A6.6 Gravity Wall (H=4m)	3,020	metre	147,553,173
	A6.7 Gravity Wall (H=5m)	2,180	metre	133,139,867
	A6.8 Gravity Wall (H=6m)	2,180	metre	159,767,840
	A6.9 Reinforced Earth Retaining Wall (H=7m)	1,080	metre	193,969,188
	A6.10 Reinforced Earth Retaining Wall (H=8m)	860	metre	176,522,224
	A6.11 Reinforced Earth Retaining Wall (H=9m)	340	metre	78,511,338
	A6.12 Reinforced Earth Retaining Wall (H=10m)	280	metre	71,840,440
	A6.13 Gabion Wall (1:0.3)	7,430	cum	23,657,120
	A6.14 Rockfall Prevention Wall (H=3m)	1,436	cum	8,993,030
	A6.15 Rockfall Prevention Fence (H=2m)	330	metre	3,275,250
	A6.16 Hydroseeding (t=5cm)	4,300	sqm	17,630,000
	A6.17 Seeding and Mulching (Soil Cut Slope)	119,007	sqm	28,561,680
	A6.18 Turfing (Embankment)	28,587	sqm	2,315,547
	A6.19 Vegetation Mat (Steep Slope)	357	sqm	817,069
	A6.20 Crib Work (F300)	9,657	sqm	33,635,616
	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	100	metre	1,184,375
	A6.26 Anchor Work (F110UA)	0	metre	0
	A6.27 Rock-bolt Work (D22)	7,243	metre	43,458,000
<b>A7</b>	<b>TRAFFIC SAFETY FACILITIES</b>			<b>30,339,665</b>
	A7.1 Traffic Sign	1	LS	905,845
	A7.2 Road Marking	9,749	sqm	11,708,794
	A7.3 Road Delineator	35	each	150,328
	A7.4 Guard Rail	2,067	metre	11,871,376
	A7.5 Street Furniture	4,331	LS	5,703,322
<b>A8</b>	<b>ROAD APPURTENANCES</b>			<b>35,164,021</b>
	A8.1 Kilometer Stone (5km)	8	each	44,268
	A8.2 Kilometer Stone (1km)	31	each	105,740
	A8.3 Kilometer Stone (200m)	158	each	145,569
	A8.4 Boundary Stone	477	each	411,266
	A8.5 Bus Bay and Road Amenity	6	each	33,431,802
	A8.6 View Point	2	each	1,025,376
	<b>TOTAL OF (A)</b>			<b>4,694,056,999</b>