

Bill of Quantities

Project : Special Repair For NH-06 – Package III [Bilkhawthlir to Kolasib (25 km) km 70+000 to km 95+000 and Khamrang to Sairang (31 km) km 133+000 to km 164+000]

Scope Of Works

Special Repair works of Existing road from 70+000 to Km 95+000 (PKG-III Part-1)

SI No	Description	Unit	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Cost Rs
1.00	SITE CLEARENCE							
1.01	Bush clearance	Km	25			25.00	9,559.00	238975.00
1.02	Hill side drain clearances	m	25000			25000.00	68.00	1700000.00
1.03	Land slide clearance	Cum	LS			5000.00	52.00	260000.00
1.04	Hiring of JCB (30Days) Per Day 8 Hrs	Hrs				240.00	2,500.00	600000.00
	Sub Total :							2798975.00
2	GRANULAR SUB-BASE & BASE COURSE							
2.01	Granular Sub base (GSB)	Cum	40	10.88	0.2	87.04	2680.00	233267.20
2.02	Wet mix Macadam (WMM)	Cum	40	7.5	0.25	75	3950.00	296250.00
	Sub Total :							529517.20
3	BITUMINOUS BASE AND SURFACE COURSES							
3.01	Tack coat on WMM	Sqm	40	7		280	29.00	8120.00
	Sub Total :							8120.00
4	RETAINING 5m height							
4.01	Eartwork in Excavation	Cum	120			331.20	90.00	29808.00
4.02	PCC M15 Levelling Course	Cum	120			42.51	7,900.00	335812.81
4.03	PCC M20 Concrete in Wall	Cum	120			810.00	10,640.00	8618400.00
4.04	PCC M20 in Parapet wall	Cum	120			28.80	10,640.00	306432.00
4.05	Weep Hole	Nos.	120			360.00	1,733.00	623880.00
4.06	Filter Media Filling	Cum	120			248.40	2591.00	643604.40
	Sub Total :							10557937.21
5	Traffic Signs and other Road appurtenances							
5.01	Metal beam crash barrier	m	500			500	6,703.00	3351500.00
	Sub Total :							3351500.00
6	Road side drain Type II							
6.01	Earth work in excavation							
	in soil	Cum				1072	90.00	96507.90
	in ordinary rock	Cum				56	119.00	6716.36
6.02	PCC M15	Cum				53	7,900.00	414750.00
6.03	PCC M-20 in drain	Cum				331	10,640.00	3524500.00
6.04	Weep holes	No.				2000	904.00	1808000.00
	Sub Total :							5850474.26
7	Pipe Culvert New 1 No.							
7.01	Earth work in excavation of foundation	Cum				47.39	90.00	4264.92
7.02	PCC M15 in leveling course	Cum				8.56	7,900.00	67660.34
7.03	PCC M20 in head wall	Cum				8.04	10,640.00	85545.60
7.04	RCC NP-4 Pipe laying							
a	Laying of NP4 pipe - 1x1200mm dia	Rm				12.50	21,073.00	263412.50
7.05	Boulder apron	MT				8.65	2,647.00	22892.95
7.06	Boulder apron laid in wire crates	Cum				8.65	4,120.00	35632.40
7.07	Filter media	Cum				13.37	2,550.00	34093.79
7.08	RR Stone masonry in CM 1:3	Cum				8.04	7,409.00	59568.36
7.09	100 mm dia Weep Holes	Rm				10.00	1,733.00	17330.00
7.10	PCC M20 Parapet wall	cum	100	0.4	0.6	24	10,640.00	255360.00
7.11	Blockage clearances (54 Nos' of Pipe)	Cum				732.50	74.00	54204.94
	Sub Total :							899965.79
	Total cost (Rs)							23996489.46