

Project : Special Repair For NH-306 – Package I [Vairengte to N.Chhimluang (14 km)]								
Bill of Quantity for								
Special Repair works of Existing road from 42+000 to Km 56+000								
SI No	Description	Unit	Length (m)	Breadth (m)	Depth (m)	Quantity	Rate Rs	Cost Rs
1.00	SITE CLEARENCE							
1.01	Bush clearance	Km	14			14.00	9,559.00	133826.00
1.02	Land slide clearance	Cum	LS			5000.00	52.00	260000.00
1.03	Scarification of Existing Bituminous surface	Sqm	14000	7		98000.00	23.00	2254000.00
1.04	Hill side drain clearences	m	14000			14000.00	68.00	952000.00
1.05	Hiring of JCB (30Days) Per Day 8 Hrs	Hrs				240.00	2,500.00	600000.00
1.06	Maintenance of Earth Shoulder (stripping excess soil) (Stripping excess soil from the shoulder surface to achieve the approved level and compacting with plate compactor) Both Sides	Sqm	7000	2		14000.00	33.00	462000.00
1.07	Maintenance of Earthen Shoulder (filling with fresh soil) (Making up loss of material/irregularities on shoulder to the design level by adding fresh approved soil and compacting it with appropriate equipment.) Both Side of Road	Sqm	7000	2		14000.00	109.00	1526000.00
	Sub Total :							6187826.00
2	Black Spot Rectification GRANULAR SUB-BASE & BASE COURSE							
2.01	Granular Sub base (GSB)	Cum	500	10.88	0.2	1088	2680.00	2915840.00
2.02	Wet mix Macadam (WMM)	Cum	500	7.5	0.25	937.5	3950.00	3703125.00
	Sub Total :							6618965.00
3	BITUMINOUS BASE AND SURFACE COURSES							
3.01	Prime coat	Sqm	500	7		3500	48.00	168000.00
3.02	Tack coat on WMM	Sqm	500	7		3500	29.00	101500.00
3.03	Tack coat on DBM	Sqm	500	7		3500	29.00	101500.00
3.04	Tackcoat on existing bituminous surface	Sqm	13500	7		94500	22.00	2079000.00
3.05	Dense Bituminous Macadam (DBM) (Black Spot Rectification	Cum	500	7	0.05	175	14971.00	2619925.00
3.06	Bituminous concrete	Cum	14000	7	0.04	3920	16613.00	65122960.00
	Sub Total :							70192885.00
4	RETAINING 5m height (Total Length 60m)							
4.01	Eartwork in Excavation	Cum	60			165.60	90.00	14904.00
4.02	PCC M15 Levelling Course	Cum	60			21.25	7,900.00	167906.40
4.03	PCC M20 Concrete in Wall	Cum	60			405.00	10,640.00	4309200.00
4.04	PCC M20 in Parapet wall	Cum	60			14.40	10,640.00	153216.00
4.05	Weep Hole	Nos.	60			180.00	1,733.00	311940.00
4.06	Filter Media Filling	Cum	60			124.20	2591.00	321802.20
4.1	Gabion Retaining Wall 9m height							
4.11	PCC M20 Concrete	Cum	20			4.80	10,640.00	51072.00
4.12	Gabion Structure	Cum	20			675.00	3,695.00	2494125.00
4.13	Geo-Textile Fabric	Sqm	20			216.00	150.00	32400.00
	Sub Total :							7856565.60

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5	Traffic Signs and other Road appurtenances							
5.01	Metal beam crash barrier	m	500			0	7,320.00	0.00
	Sub Total :							0.00
6	Road side drain (Type I and Type II)							
6.01	Earth work in excavation							
	in soil	Cum				429	90.00	38603.70
	in ordinary rock	Cum				23	119.00	2687.02
6.02	PCC M15	Cum				21	7,900.00	165900.00
6.03	PCC M-20 in drain	Cum				133	10,640.00	1409800.00
6.04	Weep holes	No.				800	904.00	723200.00
	Sub Total :							2340190.72
7	Pipe Culverts (1 New and 1 Pipe Extension)							
7.01	Earth work in excavation of foundation	Cum				77.41	90.00	6967.08
7.02	PCC M15 in leveling course	Cum				19.64	7,900.00	155151.26
7.03	PCC M20 in head wall	Cum				12.06	10,640.00	128318.40
7.04	RCC NP-4 Pipe laying							
a	Laying of NP4 pipe - 1x1200mm dia	Rm				20.00	21,073.00	421460.00
7.05	Boulder apron	MT				14.17	2,647.00	37519.00
7.06	Boulder apron laid in wire crates	Cum				42.23	4,120.00	173988.26
7.07	Filter media	Cum				20.06	2,550.00	51140.68
7.08	RR Stone masonry in CM 1:3	Cum				12.06	7,409.00	89352.54
7.09	100 mm dia Weep Holes	Rm				14.00	1,733.00	24262.00
7.10	Gabion Structures for erosion control, river training works	Cum				42.08	3,695.00	155500.38
7.11	Geo-textile fabric behind th gabion wall all complete	Nos.				105.00	150.00	15750.00
7.10	PCC M20 Parapet wall	cum	40	0.4	0.6	9.6	10,640.00	102144.00
7.11	Blockage clearances (20 Nos' of Pipe)	Cum				271.30	74.00	20075.90
	Sub Total :							1381629.50
	Total							₹ 9,45,78,062
	Work Value Less 6% VAT in above Rate							₹ 8,92,24,587
	GST (12 %)							₹ 1,07,06,950
	Bid Price (Work Value +GST)							₹ 9,99,31,537
	Agency Charges (9%)							₹ 80,30,213
	GST (18%) on Agency Charges							₹ 14,45,438
	Final Cost (Rs)							₹ 10,94,07,188
	Final cost (Cr)							₹ 10.94