

Project : Special Repair For NH-06 – Package V [Sethawn Addict Center to Khamrang (26 km)]								
Bill of Quantity for								
Special Repair works of Existing road from 107+000 to Km 133+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	26			26.00	9,559.00	248534.00
1.02	Hill side drain clearences	m	26000			26000.00	68.00	1768000.00
1.03	Land slide clearance	Cum	LS			10000.00	52.00	520000.00
1.04	Scarification of Existing Bituminous surface	Sqm	14000	7		98000.00	23.00	2254000.00
1.05	Hiring of JCB (30Days) Per Day 8 Hrs	Hrs				480.00	2,500.00	1200000.00
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	13000	2		26000.00	33.00	858000.00
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	13000	2		26000.00	109.00	2834000.00
	Sub Total :							9682534.00
2	GRANULAR SUB-BASE & BASE COURSE							
2.01	Granular Sub base (GSB)	Cum	100	11.01	0.15	165.15	2680.00	442602.00
2.02	Wet mix Macadam (WMM)	Cum	300	7.5	0.25	562.5	3950.00	2221875.00
	Sub Total :							2664477.00
3	BITUMINOUS BASE AND SURFACE COURSES (km 107- km 118)							
3.01	Prime coat	Sqm	300	7		2100	48.00	100800.00
3.02	Tack coat on WMM	Sqm	300	7		2100	29.00	60900.00
3.03	Tack coat on DBM	Sqm	1000	7		7000	29.00	203000.00
3.04	Tackcoat on existing bituminous surface	Sqm	10500	7		73500	22.00	1617000.00
3.05	Dense Bituminous Macadam (DBM)	Cum	1000	7	0.05	350	14971.00	5239850.00
3.06	Bituminous concrete	Cum	11000	7	0.04	3080	16613.00	51168040.00
	Sub Total :							58389590.00
4	RIGID PAVEMENT (Km 109)							
4.01	Dry Lean Concrete (DLC)	Cum	100	8.5	0.15	127.5	6,415.00	817912.50
4.02	Pavement Quality Concrete (PQC)	Cum	100	7	0.28	196.00	14,761.00	2893156.00
	Sub Total :							3711068.50
5	Traffic Signs and other Road appurtenances							
5.01	Metal beam crash barrier	m	1000			1000	6,703.00	6703000.00
	Sub Total :							6703000.00
6	Road side drain Type I and Type II							
6.01	Earth work in excavation							
	in soil	Cum				1357	90.00	122157.90
	in ordinary rock	Cum				71	119.00	8501.36
6.02	PCC M15	Cum	1000			382	7,900.00	3015146.22
6.03	PCC M-20 in drain	Cum	1000			331	10,640.00	3524500.00
6.04	RCC M25 in drain	Cum				0	15,236.00	0.00
6.05	HYSD/TMT reinforcement	MT				0	1,11,977.00	0.00
6.04	Weep holes	No.				2000	904.00	1808000.00
	Sub Total :							8478305.48
7	Bridge Repair							
7.01	Existing bridge at Km 128+158, span 1x41m							
7.01	Both side raling	m	96			96	3,897.00	374112.00
7.01	65mm thick Wearing Course	Sqm	41	8.2		336.2	2,006.00	674417.20
7.01	One side expansion joint	m		8.2		8.2	21,196.00	173807.20
7.01	Painting on railing	m	96			96	351.00	33696.00
7.01	Blockage clearences (101 Nos' of Pipe)	Cum				1,370.04	74.00	101383.32
	Sub Total :							1357416

8	Widening of 2 nos of Pipe culvert							
8.02	PCC M15 in leveling course	Cum				17	7,900.00	136074.34
8.03	PCC M20 in head wall	Cum				8	10,640.00	85545.60
8.04	RCC NP-4 Pipe laying							
8.05	Laying of NP4 pipe - 1x1200mm dia	Rm				10	21,073.00	210730.00
8.06	Laying of NP4 pipe - 2x1200mm dia	Rm				0		0.00
8.07	Laying of NP4 pipe - 3x1200mm dia	Rm				0		0.00
8.08	Boulder apron	MT				10	2,647.00	26072.53
8.09	Boulder apron laid in wire crates	Cum				50	4,120.00	205710.94
8.1	Filter media	Cum				13	2,550.00	34093.79
8.13	Gabion Structures for erosion control, river training works	Cum				60	3,695.00	222143.40
8.14	Geo-textile fabric behind th gabion wall all complete	Nos.				150	150.00	22500.00
8.15	PCC M20 Parapet wall	cum	50	0.4	0.6	12	10,640.00	127680.00
8.16	Blockage clearances (70 Nos' of Pipe)	Cum				949.54	74.00	70265.66
	Sub Total :							1221925.54
	Total							₹ 9,22,08,316.23
	Work Value Less 6% VAT in above Rate							₹ 8,66,75,817
	GST (12 %)							₹ 1,04,01,098
	Bid Price (Work Value +GST)							₹ 9,70,76,915
	Agency Charges (9%)							₹ 78,00,824
	GST (18%) on Agency Charges							₹ 14,04,148
	Final Cost (Rs)							₹ 10,62,81,887
	Final cost (Cr)							₹ 10.63