

Bill Summary for Changtongya Longleng Road (Design Length Km. 0+000 to Km. 18+780)

Design Length (in km) = 18.780
 Length in Widening & Strengthening (in km) = 14.58
 Length in Realignment (in km) = 4.20

Bill No	Weightage in percentage to the contract price	Description of Items		Amount (in Rs.)	Percentage weightage
1		WIDENING AND STRENGTHENING OF EXISTING ROAD			
	67.39%	A1.1	Earthwork up to top of the sub-grade including excavation in soil, soft rock and hard rock including Cleaning & grubbing with required site clearance etc.	500,829,273	26.35%
		A1.2	Sub-Base Course	149,938,732	7.89%
		A1.3	Non - Bituminous Base Course	123,411,049	6.49%
		A1.4	Bituminous Base Course	70,964,757	3.73%
		A1.5	Wearing Coat	47,223,765	2.48%
		A1.6	Widening and repair of culverts	-	0.00%
		A1.7	Hard Shoulder	12,187,469	0.64%
2		RECONSTRUCTION/NEW 2-LANE ALIGNMENT/BYPASS (FLEXIBLE PAVEMENT)			
		A2.1	Earthwork up to top of the sub-grade including excavation in soil, soft rock and hard rock including Cleaning & grubbing with required site clearance etc.	124,987,512	6.57%
		A2.2	Sub-Base Course	37,484,685	1.97%
		A2.3	Non - Bituminous Base Course	30,852,764	1.62%
		A2.4	Bituminous Base Course	17,741,189	0.93%
		A2.5	Wearing Coat	11,805,938	0.62%
		A2.6	Hard Shoulder	3,046,867	0.16%
3		RECONSTRUCTION/NEW 2-LANE ALIGNMENT/BYPASS (RIGID PAVEMENT)			
		A3.1	Earthwork up to top of the sub-grade including excavation in	-	0.00%
		A3.2	Sub-Base Course	-	0.00%
		A3.3	Dry Lean Concrete(DLC) Course	-	0.00%
		A3.4	Pavement Quality Control(PQC) Course	-	0.00%
4		RECONSTRUCTION/NEW SERVICE ROAD (FLEXIBLE PAVEMENT)			
		A4.1	Earthwork up to top of the sub-grade including excavation in soil, soft rock and hard rock including Cleaning & grubbing with required site clearance etc.	-	0.00%
		A4.2	Sub-Base Course	-	0.00%
		A4.3	Non Bituminous Base Course	-	0.00%
		A4.4	Bituminous Base Course	-	0.00%
		A4.5	Wearing Coat	-	0.00%
5		RECONSTRUCTION/NEW SERVICE ROAD (RIGID PAVEMENT)			
		A5.1	Earthwork up to top of the sub-grade including excavation in	-	0.00%
		A5.2	Sub-Base Course	-	0.00%
		A5.3	Dry Lean Concrete(DLC) Course	-	0.00%
		A5.4	Pavement Quality Control(PQC) Course	-	0.00%
6		RECONSTRUCTION AND NEW CULVERTS ON EXISTING ROAD, REALIGNMENTS, BYPASSES			
		A6.1	Culverts and associated Protection Works (Length < 6m)	150,661,239	7.93%
7	3.54%	WIDENING AND REPAIR OF MINOR BRIDGES (Length > 6 m and < 60 m)			
		A7.1	Minor Bridges	-	0.00%
8		NEW MINOR BRIDGES (Length > 6 m and < 60 m)			
		A8.1	Foundation + Sub Structures: On completion of the foundation work including foundations for wing wall and return walls, abutments, piers upto the abutment/pier cap.	41,829,424	2.20%
		A8.2	Super-structure: On completion of the super structure in all respect including wearing coat, bearings, expansion joints, hand rails, crash barriers, road signs & markings, tests on completion etc. complete in all respect.	21,998,455	1.16%
		A8.3	Approaches: On completion of approaches including retaining wall, stone pitching, protection works complete in all respect and fit for use.	-	0.00%
		A8.4	Guide Bunds and River Training Works: On completion of Guide bunds and river training works complete in all respects.	3,409,992	0.18%
9		WIDENING AND REPAIRS OF UNDERPASSES/ OVERPASSES			

Bill Summary for Changtongya Longleng Road (Design Length Km. 0+000 to Km. 18+780)

Design Length (in km) = 18.780
 Length in Widening & Strengthening (in km) = 14.58
 Length in Realignment (in km) = 4.20

Bill No	Weightage in percentage to the contract price	Description of Items	Amount (in Rs.)	Percentage weightage	
10		A9.1 Underpasses/ Overpasses	-	0.00%	
		NEW UNDERPASSES/ OVERPASSES			
		A10.1 Foundation + Sub Structures: On completion of the foundation work including foundations for wing wall and return walls, abutments, piers upto the abutment/pier cap.	-	0.00%	
		A10.2 Super-structure: On completion of the super structure in all respect including wearing coat, bearings, expansion joints, hand rails, crash barriers, road signs & markings, tests on completion etc. complete in all respect. Wearing Coat (a) in case of overpass- wearing coat including expansion joint complete in all respects as specified and (b) in case of underpass- Rigid pavement including drainage facility complete in all respects as specified.	-	0.00%	
		A10.3 Approaches: On completion of approaches including retaining walls/ Reinforced earth walls, stone pitching, protection works complete in all respect and fit for use.	-	0.00%	
11	0.00%	WIDENING AND REPAIRS OF MAJOR BRIDGES			
		A11.1 Foundation	-	0.00%	
		A11.2 Sub-structure	-	0.00%	
		A11.3 Super-structure(including bearings)	-	0.00%	
		A11.4 Wearing Coat including expansion joints		0.00%	
		A11.5 Miscellaneous items like handrails, crash barriers, road markings etc.		0.00%	
		A11.6 Wing walls/ Return walls		0.00%	
		A11.7 Guide Bunds, River Training Works etc		0.00%	
		A11.8 Approaches (including Retaining walls, stone pitching and protection works)	-	0.00%	
12		NEW MAJOR BRIDGES			
		A12.1 Foundation	-	0.00%	
		A12.2 Sub-structure	-	0.00%	
		A12.3 Super-structure(including bearings)	-	0.00%	
		A12.4 Wearing Coat including expansion joints		0.00%	
		A12.5 Miscellaneous items like handrails, crash barriers, road markings etc.		0.00%	
		A12.6 Wing walls/ Return walls		0.00%	
		A12.7 Guide Bunds, River Training Works etc		0.00%	
		A12.8 Approaches (including Retaining walls, stone pitching and protection works)	-	0.00%	
13		WIDENING AND REPAIR OF ROB/RUB			
		A13.1 (a) ROB	-	0.00%	
		(i) Foundation	-	0.00%	
		(ii) Sub-structure	-	0.00%	
		(iii) Super-structure(including bearings)	-	0.00%	
		(iv) Wearing Coat in case of ROB- wearing coat including expansion joint complete in all respects as specified.	-	0.00%	
		(v) Miscellaneous items like handrails, crash barriers, road markings etc.		0.00%	
		(vi) Wing walls/ Return walls		0.00%	
		(vii) Approaches (including Retaining walls, stone pitching and protection works)	-	0.00%	
		A13.2 (b) RUB	-		
		(i) Foundation	-	0.00%	
		(ii) Sub-structure	-	0.00%	
		(iii) Super-structure(including bearings)	-	0.00%	
(iv) Wearing Coat in case of RUB- Rigid pavement under RUB including drainage facility complete in all respects as specified.	-	0.00%			

Bill Summary for Changtongya Longleng Road (Design Length Km. 0+000 to Km. 18+780)

Design Length (in km) = 18.780
 Length in Widening & Strengthening (in km) = 14.58
 Length in Realignment (in km) = 4.20

Bill No	Weightage in percentage to the contract price	Description of Items	Amount (in Rs.)	Percentage weightage
		(v) Miscellaneous items like handrails, crash barriers, road markings etc.		0.00%
		(vi) Wing walls/ Return walls		0.00%
		(vii) Approaches (including Retaining walls, stone pitching and protection works)	-	0.00%
14		NEW ROB/RUB		
		A14.1 (a) ROB	-	
		(i) Foundation	-	0.00%
		(ii) Sub-structure	-	0.00%
		(iii) Super-structure(including bearings)	-	0.00%
		(iv) Wearing Coat in case of ROB- wearing coat including expansion joint complete in all respects as specified.	-	0.00%
		(v) Miscellaneous items like handrails, crash barriers, road markings etc.		0.00%
		(vi) Wing walls/ Return walls		0.00%
		(vii) Approaches (including Retaining walls/ Reinforced earth walls, stone pitching and protection works)	-	0.00%
		A14.2 (b) RUB	-	
		(i) Foundation	-	0.00%
		(ii) Sub-structure	-	0.00%
		(iii) Super-structure(including bearings)	-	0.00%
		(iv) Wearing Coat in case of RUB- Rigid pavement under RUB including drainage facility complete in all respects as specified.	-	0.00%
		(v) Miscellaneous items like handrails, crash barriers, road markings etc.		0.00%
		(vi) Wing walls/ Return walls		0.00%
		(vii) Approaches (including Retaining walls/ Reinforced earth walls, stone pitching and protection works)	-	0.00%
15		WIDENING AND REPAIR OF ELEVATED SECTION/ FLYOVERS/		
		A.15.1 (i) Foundation	-	0.00%
		(ii) Sub-structure	-	0.00%
		(iii) Super-structure(including bearings)	-	0.00%
		(iv) Wearing Coat including expansion joint.	-	0.00%
		(v) Miscellaneous items like handrails, crash barriers, road markings etc.		0.00%
		(vi) Wing walls/ Return walls		0.00%
		(vii) Approaches (including Retaining walls/ Reinforced earth walls, stone pitching and protection works)	-	0.00%
16		NEW ELEVATED SECTION/ FLYOVERS/ GRADE SEPARATORS		
		A.16.1 (i) Foundation	-	0.00%
		(ii) Sub-structure	-	0.00%
		(iii) Super-structure(including bearings)	-	0.00%
		(iv) Wearing Coat including expansion joint.	-	0.00%
		(v) Miscellaneous items like handrails, crash barriers, road markings etc.		0.00%
		(vi) Wing walls/ Return walls		0.00%
		(vii) Approaches (including Retaining walls/ Reinforced earth walls, stone pitching and protection works)	-	0.00%
17	29.07%	OTHER WORKS		
		A17.1 <i>Toll Plaza</i>	-	0.00%
		A17.2 <i>Road side drain</i>	99,191,745	5.22%

Bill Summary for Changtongya Longleng Road (Design Length Km. 0+000 to Km. 18+780)

Design Length (in km) = 18.780
 Length in Widening & Strengthening (in km) = 14.58
 Length in Realignment (in km) = 4.20

Bill No	Weightage in percentage to the contract price	Description of Items	Amount (in Rs.)	Percentage weightage
	A17.3	<i>Road signs, marking, Km stones, Safety devices etc.</i>		0.00%
	(a)	Pavement Marking	25,708,756	1.35%
	(b)	Crash barrier/W metal crash barrier	15,745,200	0.83%
	(c)	Traffic Sign	4,594,902	0.24%
	(d)	Road Boundary stone, km Stone,5th km stone and hectometer stone	449,328	0.02%
	(e)	Traffic blinker LED delineator, stud, reflective payment marker, tree reflector	8,810,804	0.46%
	(f)	Traffic impact Attenuators at Abutments and Piers traffic island	-	0.00%
	(g)	Road furniture (overhead signboard etc.)	771,364	0.04%
	(h)	Others including construction of median & median kerb with	-	0.00%
	A17.4	<i>Project facilities</i>		0.00%
	(a)	Truck lay-byes	-	0.00%
	(b)	Bus bays and Bus Shelter	3,394,624	0.18%
	(c)	Junctions (Major & Minor)	12,270,932	0.65%
	(d)	Others including Cable duct & Lighting on Bridges, etc.	-	0.00%
	(e)	Rest areas (viewpoint/recreational areas)		0.00%
	A17.5	<i>Road Side Plantation, Median plantation & Turfing of the embankment slope</i>		0.00%
	A17.6	<i>Repair of protection works other than approaches to the bridges, elevated sections/ fly-overs/ grade separator and ROB's/ RUB's.</i>	-	0.00%
	A17.7	<i>Traffic diversion, Safety and traffic management during construction</i>	-	0.00%
	A17.8	<i>Slope Protection Works as special requirement for hill road</i>		0.00%
	(a)	Hydro Seeding of Cut Slopes in Soil	1,005,300	0.05%
	(b)	Seeding and Mulching with Jute net all along the perpetual slide locations	19,676,160	1.04%
	(c)	Catch water Drain	1,713,277	0.09%
	(d)	Gabion Structure on hill side/valley side of varying height between 1 to 6 metre depending upon the slope	168,243,696	8.85%
	(e)	Reinforced earth wall	-	0.00%
	(f)	Breast wall	157,372,655	8.28%
	(f)	Retaining wall	25,446,089	1.34%
	(g)	Sub Surface drain with perforated pipe for collection of seepage water to avoid sinking of pavement	2,230,600	0.12%
	(h)	Parapet Wall	6,025,921	0.32%
		Total Civil Cost (In Rs.)	1,901,024,465	100.00%
		Escalation 7.5%	142,576,835	
		Total	2,043,601,300	
		GST @7%	143,052,091	
		Cost of Tender	2,186,653,391	
		Civil Cost Per Km (In Cr.)	11.64	