



Project :

CONSTRUCTION OF 10 KM X 8M ROAD

COMPARISON SHEET FOR TRADITIONAL GOST STANDARD CATEGORY III ROAD VERSUS NEW ROAD CONSTRUCTION TECHNOLOGY USING ECOROADS-DS AND NEW ADVANCE ROAD CONSTRUCTION EQUIPMENTS

TRADITIONAL GOST STANDARD CATEGORY III ROAD

ITEM	DESCRIPTION	UNIT	QTY	U-PRICE	AMOUNT	SUB-ITEM TOTAL
				(US \$)	(US \$)	
1	Preparatory Works, Cut & Fill, Selected Borrow, Grading, Leveling & Compaction	M ²	120,000.00	4.00	479,895.90	
1.1	Materials		120,000.00	1.30	156,000.00	
1.2	Labor / Manpower / Specialist / Site Engineers		120,000.00	0.91	109,106.78	
1.3	Equipment & Tools		120,000.00	1.79	214,789.12	
						479,895.90
2	Sub-Base Coarse, Gravel w/ Binder, 350mm Thick	M ²	80,000.00	19.57	1,565,743.25	
1.1	Materials		80,000.00	16.33	1,306,720.72	
1.2	Labor / Manpower / Specialist / Site Engineers		80,000.00	0.65	52,189.41	
1.3	Equipment & Tools		80,000.00	2.59	206,833.12	
						1,565,743.25
3	Base Course Preparation, 150mm Thick	M ²	80,000.00	10.19	815,552.81	
1.1	Materials		80,000.00	9.56	765,000.00	
1.2	Labor / Manpower / Specialist / Site Engineers		80,000.00	0.18	14,426.34	
1.3	Equipment & Tools		80,000.00	0.45	36,126.47	
						815,552.81
4	Asphalt Topping, 100mm Thick	M ²	80,000.00	33.48	2,678,682.69	
1.1	Materials		80,000.00	29.04	2,322,932.79	
1.2	Labor / Manpower / Specialist / Site Engineers		80,000.00	0.89	70,883.75	
1.3	Equipment & Tools		80,000.00	3.56	284,866.15	
						2,678,682.69
TOTAL FOR TRADITIONAL ROAD CONSTRUCTION, CATEGORY III						5,539,874.65

MODERN ROAD CONSTRUCTION WITH ECOROADS-DS & MODERN ROAD CONSTRUCTION EQUIPMENT

ITEM	DESCRIPTION	UNIT	QTY	U-PRICE	AMOUNT	SUB-ITEM TOTAL
				(US \$)	(US \$)	
1	Preparatory Works, Cut & Fill, Selected Borrow, Grading, Leveling & Compaction	M ²	120,000.00	4.00	479,895.90	
1.1	Materials		120,000.00	1.30	156,000.00	
1.2	Labor / Manpower / Specialist / Site Engineers		120,000.00	0.91	109,106.78	
1.3	Equipment & Tools		120,000.00	1.79	214,789.12	
						479,895.90
2	Sub base Layer, Sub-Grade Preparation/Stabilization with ECOROADS-DS Application, Grading & Compaction, Effective Thickness-200mm	M ²	80,000.00	6.90	551,790.48	
1.1	Materials		80,000.00	6.25	500,350.00	
1.2	Labor / Manpower / Specialist / Site Engineers		80,000.00	0.08	6,185.41	
1.3	Equipment & Tools		80,000.00	0.57	45,255.07	
						551,790.48
3	Asphalt Topping BY CHIP SEALER	M ²	80,000.00	11.33	906,630.46	
1.1	Materials		80,000.00	8.86	708,621.86	
1.2	Labor / Manpower / Specialist / Site Engineers		80,000.00	0.68	54,244.37	
1.3	Equipment & Tools		80,000.00	1.80	143,764.23	
						906,630.46
TOTAL FOR MODERN ROAD CONSTRUCTION USING ECOROADS-DS, CATEGORY III						1,938,316.84
MAXIMUM GUARANTEED BUDGETARY SAVINGS						65.01%