

**Improvement to Mokhada-Kasara-Dolkhamb-Tokawade-vaishakhare-Mhasa Road SH 78 Km.44/000 to 130/540 Tal.Shahapur & Murbad Dist. Thane
Hybrid Annuity Basis Package No.MU-5**

Item	Stage for measurement for physical progress	Unit	Qty.	Weightage in percentage to the Contract	Amount as Tender (In Cr.)	Physical Work	Physical Progress in %	Financial Progress (Amount)	Financial Progress in %	Balance Work
Road works including culverts, minor bridges, underpasses, overpasses, approaches to ROB/RUB/ Major Bridges/ Structures (but excluding service roads)	A- Widening and strengthening of existing road				139.22			139.22		
	1- Earthwork upto the Subgarde	Km.	78.488	4.530	6.31	77.388	4.47	6.22	4.47	
	2- Granular Work Subbase,base Shoulder)	Km.			-					
	(a) GSB	Km.	78.488	20.020	27.87	77.388	19.74	27.48	19.74	
	(b) WMM	Km.	72.190	13.150	18.31	71.090	12.95	18.03	12.95	
	(3) Shoulders	Km.	76.928	0.900	1.25	75.83	0.89	1.24	0.89	
	(4) Bituminous work	Km.			-					
	(a) BM	Km.	63.138	1.790	2.49	63.138	1.79	2.49	1.79	
	(b) DBM	Km.	76.928	15.760	21.94	75.828	15.53	21.63	15.53	
	(c) BC	Km.	76.928	8.270	11.51	75.828	8.15	11.35	8.15	
	(5) Rigid Pavement	Km.			-					
	Concrete work	Km.	1.560	5.330	7.42	1.56	5.33	7.42	5.33	
	C- New culverts, minor bridges,underpasses, overpasses on				-					
	(1) Culverts	Nos.	245.000	6.410	8.92	245.00	6.41	8.92	6.41	
	(2) Minor bridges	Nos.	11.000		-					
	(a) Foundation	Nos.	35.000	0.640	0.89	35.00	0.64	0.89	0.64	
	(b) Sub-structure	Nos.	35.000	3.450	4.80	35.00	3.45	4.80	3.45	
	(c) Super-structure (including crash barriers etc.	Nos.	24.000	1.750	2.44	24.00	1.75	2.44	1.75	

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	3) Cattle/Pedestrian underpasses/Slab	Nos.	9.000		-					
	(a) Foundation	Nos.	18.000	0.190	0.26	18.00	0.19	0.26	0.19	
	(b) Sub-structure	Nos.	18.000	1.270	1.77	18.00	1.27	1.77	1.27	
	(c) Super-structure (including crash barriers etc.	Nos.	9.000	0.800	1.11	9.00	0.80	1.11	0.80	
Major Bridge works and ROB/RUB	A- Widening and repairs of Major Bridges	Nos.	1.000		-					
	(2) Sub-structure	Nos.	9.000	0.190	0.26	9.00	0.19	0.26	0.19	
	(3) Super-structure (including	Nos.	10.000	0.060	0.08	10.00	0.06	0.08	0.06	
	C- New Major Bridges	Nos.								
	1) Foundation	Nos.								
	(a) Open Foundation	Nos.	1.000	0.200	0.28	0.77	0.15	0.21	0.15	
	(b) Pile Foundation/Well Foundation	Nos.								
	(2) Sub-structure	Nos.	1.000	0.700	0.97	0.77	0.54	0.75	0.54	
	(3) Super-structure (including crash barriers etc. complete)	Nos.	1.000	0.460	0.64	0.77	0.35	0.49	0.35	
Other Works	(i) Service Roads/ Slip Roads	Km.								
	(ii) Toll Plaza	Nos.								
	(iii) Road side drains	Km.								
	(iv) Road signs, markings, km stones, safety devices,.				-					
	(a) Road signs, markings, km stones,	Km.	79.236	1.410	1.96	78.14	1.39	1.94	1.39	
	(b) W-Beam Crash Barrier in Road work	Km.	5.088	4.410	6.14	4.088	3.54	4.93	3.54	
	(v) Project facilities				-					
	(a) Bus Shelter	Nos.	26.000	1.200	1.67	12.00	0.55	0.77	0.55	
	(b) Truck lay-byes	Nos.			-					
	(c) Rest areas	Nos.			-					

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	(vi) Repairs to bridges/structures	Nos.			-					
	(vii) Road side plantation	Km.	79.236	0.390	0.54	78.136	0.38	0.54	0.38	
	(viii) Protection works				-					
	(a) Boulder Pitching on Slopes	Km.			-					
	(b) Toe/Retaining wall	Km.	1.705	5.380	7.49	1.54	4.86	6.77	4.86	
	(ix) Tunnel	Km.			-					
	(a) Excavation	Metre			-					
	(b) Construction of support system including rock	Metre			-					
	(x) Miscellaneous (Site clearance, Quality Control, Crust removal/scarifying, Tree cutting, Arboriculture etc.)	Lump Sum	1.000	1.340	1.87	0.93	1.25	1.73	1.25	
Total				100.000	139.22		96.64	134.54	96.64	-