

**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)	Remarks
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	9.430	13.13	78,488	9.43	13.13	
	2- Granular Work Subbase,base Shoulder)	Km.			-				
	(a) GSB	Km.	78.488	16.210	22.57	78,488	16.21	22.57	
	(b) WMM	Km.	72.190	11.980	16.68	72,190	11.98	16.68	
	(3) Shoulders	Km.	76.928	3.530	4.91	76,928	3.53	4.91	
	(4) Bituminous work	Km.			-				
	(a) BM	Km.	63.138	1.200	1.67	63,138	1.20	1.67	
	(b) DBM	Km.	76.928	15.740	21.91	76,928	15.74	21.91	
	(c) BC	Km.	76.928	8.540	11.89	76,93	8.54	11.89	
	(5) Rigid Pavement	Km.			-				
	Concrete work	Km.	1.560	2.790	3.88	1,56	2.79	3.88	
	C- New culverts, minor bridges,underpasses, overpasses				-				
	(1) Culverts	Nos.	245.000	7.740	10.78	245.00	7.74	10.78	
	(2) Minor bridges	Nos.	11.000		-				
	(a) Foundation	Nos.	35.000	1.497	2.08	35.00	1.50	2.08	
	(b) Sub-structure	Nos.	35.000	1.497	2.08	35.00	1.50	2.08	

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	(c) Super-structure (including crash barriers etc.	Nos.	24.000	1.026	1.43	24.00	1.03	1.43	
	3) Cattle/Pedestrian underpasses/Slab	Nos.	9.000		-				
	(a) Foundation	Nos.	18.000	0.884	1.23	18.00	0.88	1.23	
	(b) Sub-structure	Nos.	18.000	0.884	1.23	18.00	0.88	1.23	
	(c) Super-structure (including crash barriers etc.	Nos.	9.000	0.442	0.62	9.00	0.44	0.62	
Major Bridge works and ROB/RUB	A- Widening and repairs of Major Bridges	Nos.	1.000		-				
	(2) Sub-structure	Nos.	9.000	0.104	0.14	9.00	0.10	0.14	
	(3) Super-structure (including	Nos.	10.000	0.116	0.16	10.00	0.12	0.16	
Other Works	(i) Service Roads/ Slip Roads	Km.							
	(ii) Toll Plaza	Nos.							
	(iii) Road side drains	Km.	3.796	1.560	2.17	3.796	1.56	2.17	
	(iv) Road signs, markings, km stones, safety devices,.				-				
	(a) Road signs, markings, km stones,	Km.	79.236	2.600	3.62	79.24	2.60	3.62	
	(b) W-Beam Crash Barrier in Road work	Km.	5.088	1.600	2.23	5.088	1.60	2.23	
	(v) Project facilities				-				
	(a) Bus Shelter	Nos.	26.000	0.350	0.49	26.00	0.35	0.49	
	(b) Truck lay-byes	Nos.			-				
	(c) Rest areas	Nos.			-				
	(vi) Repairs to bridges/structures	Nos.			-				
	(vii) Road side plantation	Km.	79.236	0.310	0.43	79.236	0.31	0.43	
	(viii) Protection works				-				
	(a) Boulder Pitching on Slopes	Km.			-				

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	(b) Toe/Retaining wall	Km.	1.705	8.580	11.95	1.705	8.58	11.95	
	(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	1.390	1.94	1.00	1.39	1.94	
Total					100.000	139.22		100.00	139.22