

**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 %	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									
	1- Earthwork upto the Subgarde	Km.	80.35	4.53	6.31	39.11	2.20	3.07	2.20	
	2- Granular Work Subbase,base Shoulder)	Km.			-					
	(a) GSB	Km.	80.35	20.02	27.87	39.11	9.74	13.57	9.74	
	(b) WMM	Km.	80.35	13.15	18.31	36.70	6.01	8.36	6.01	
	(3) Shoulders	Km.	80.35	0.90	1.25		-	-	-	
	(4) Bituminous work	Km.			-					
	(a) BM	Km.	78.79	1.79	2.49	23.50	0.53	0.74	0.53	
	(b) DBM	Km.	78.79	15.76	21.94	23.50	4.70	6.54	4.70	
	(c) BC	Km.	78.79	8.27	11.51	0.23	0.02	0.03	0.02	
	(5) Rigid Pavement	Km.			-					
	Concrete work	Km.	1.56	5.33	7.42	0.90	3.08	4.28	3.08	
	C- New culverts, minor bridges,underpasses,				-					
	(1) Culverts	Nos.	240.00	6.41	8.92	67.00	1.79	2.49	1.79	
	(2) Minor bridges	Nos.	12.00							
	(a) Foundation	Nos.	39.00	0.64	0.89	11.00	0.18	0.25	0.18	
	(b) Sub-structure	Nos.	39.00	3.45	4.80	11.00	0.97	1.35	0.97	

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	(c) Super-structure (including crash barriers etc.	Nos.	27.00	1.75	2.44	8.00	0.52	0.72	0.52	
	3) Cattle/Pedestrian underpasses/Slab	Nos.	9.00		-					
	(a) Foundation	Nos.	18.00	0.19	0.26	2.00	0.02	0.03	0.02	
	(b) Sub-structure	Nos.	18.00	1.27	1.77	2.00	0.14	0.20	0.14	
	(c) Super-structure (including crash barriers etc.	Nos.	9.00	0.80	1.11	1.00	0.09	0.12	0.09	
Major Bridge works and ROB/RUB	A- Widening and repairs of Major Bridges	Nos.	1.00		-					
	(2) Sub-structure	Nos.	9.00	0.19	0.26		-	-	-	
	(3) Super-structure (including	Nos.	10.00	0.06	0.08		-	-	-	
	C- New Major Bridges	Nos.			-					
	1) Foundation	Nos.	1.00		-					
	(a) Open Foundation	Nos.	6.00	0.20	0.28		-	-	-	
	(b) Pile Foundation/Well Foundation	Nos.			-					
	(2) Sub-structure	Nos.	6.00	0.70	0.97		-	-	-	
	(3) Super-structure (including crash barriers etc. complete)	Nos.	5.00	0.46	0.64		-	-	-	
	(iv) Road signs, markings, km stones, safety devices,.				-					
	(a) Road signs, markings, km stones,	Km.	80.35	1.41	1.96		-	-	-	
	(b) Concrete Crash Barrier/ W-Beam Crash Barrier in Road work	Km.	11.06	4.41	6.14		-	-	-	
	(v) Project facilities				-					
	(a) Bus bays	Nos.	26.00	1.20	1.67		-	-	-	
	(vii) Road side plantation	Km.	80.35	0.39	0.54	22.00	0.11	0.15	0.11	
	(b) Toe/Retaining wall	Km.	2.82	5.38	7.49		-	-	-	
	(x) Miscellaneous (Site clearance, Quality Control, Crust removal/ scarifying, Tree cutting, Arboriculture etc.)	Lump Sum	1.00	1.34	1.87	0.30	0.40	0.56	0.40	
	Total			100.00	139.22		30.51	42.48	30.51	