

**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	27.30	1.54	2.14	1.54	
	2- Granular Work Subbase,base Shoulder)	Km.			-					
	(a) GSB	Km.	80.35	20.02	27.87	26.80	6.68	9.30	6.68	
	(b) WMM	Km.	80.35	13.15	18.31	24.50	4.01	5.58	4.01	
	(3) Shoulders	Km.	80.35	0.90	1.25	16.80	0.19	0.26	0.19	
	(4) Bituminous work	Km.			-					
	(a) BM	Km.	78.79	1.79	2.49	20.10	0.46	0.64	0.46	
	(b) DBM	Km.	78.79	15.76	21.94	20.10	4.02	5.60	4.02	
	(c) BC	Km.	78.79	8.27	11.51		-	-	-	
	(5) Rigid Pavement	Km.			-					
	Concrete work	Km.	1.56	5.33	7.42	0.40	1.37	1.90	1.37	
	C- New culverts, minor bridges,underpasses,				-					
	(1) Culverts	Nos.	240.00	6.41	8.92	64.00	1.71	2.38	1.71	
	(2) Minor bridges	Nos.	12.00							
	(a) Foundation	Nos.	39.00	0.64	0.89	7.00	0.11	0.16	0.11	
	(b) Sub-structure	Nos.	39.00	3.45	4.80	7.00	0.62	0.86	0.62	

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	(c) Super-structure (including crash barriers etc.	Nos.	27.00	1.75	2.44	5.00	0.32	0.45	0.32		
	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		-	-	-		
	(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	0.23	0.31	0.43	0.31		
Total					100.00	139.22		21.59	30.05	21.59	