

A) Improvement to Shahapur Shenwa Doikhamb Chondha Sangamner Shegaon Nanded Dharmabad Road SH-50 Km.0.00 to 38.00 in Tal. Shahapur, Dist. Thane on hybrid Annuity Basis.
(B) Improvement to kambare Piwali NH-3 to Washind Road MDR-57 Km.0.00 to 23.600 in Tal. Shahapur, Dist. Thane on hybrid Annuity Basis.

Stage for measurement for physical progress	Unit	Qty.	Weightage in percentage to the Contract	Amount as per Tender (In Cr.)	Physical Progress			Physical Progress in %	Remarks
					MU-4A	MU-4B	Total		
A- Widening and strengthening of existing road									
1- Earthwork upto the Subgarde	Km.	46.716	4.37	5.11	33.210	13.506	46.716	4.37	
2- Granular Work Subbase,base Shoulder)									
(a) GSB	Km.	46.72	9.16	10.71	33.21	13.506	46.716	9.16	
(b) WMM	Km.	46.72	11.24	13.14	24.42	8.934	33.354	8.03	
(3) Shoulders	Km.	54.19	2.11	2.47	26.90	6.916	33.816	1.32	
(4) Bituminous work				-					
(a) BM	Km.	52.19	1.74	2.03	31.25	13.506	44.756	1.49	
(b) DBM	Km.	52.19	14.51	16.97	31.25	13.506	44.756	12.44	
(c) BC	Km.	52.19	8.72	10.20	30.99	10.446	41.436	6.92	
(5) Rigid Pavement	Km.						-		
Concrete work	Km.						-		
(6)Widening, Reconstruction andrepair of Culverts	Nos.	71.00	1.13	1.32	61.00		61.000	0.97	
(7)Widening, Reconstruction And repair of Slab Drains	Nos.	1.00	0.12	0.14	1.00		1.000	0.12	
(7)Widening, Reconstruction And repair of Minor bridges	Nos.	2.00	0.02	0.02			-	0.00	
B- New realignment/bypass/ Reconstruction									
(1)Earthwork upto top of the sub-grade	Km.	2.00	0.23	0.27	2.00		2.000	0.23	

Stage for measurement for physical progress	Unit	Qty.	Weightage in percentage to the Contract	Amount as per Tender (In Cr.)	Physical Progress			Physical Progress in %	Remarks
					MU-4A	MU-4B	Total		
(2) Granular work (sub- base, base, shoulders)									
(a) GSB	Km.	2.00	0.91	1.06	2.00		2.000	0.91	
(b) WMM	Km.	2.00	1.08	1.26	2.00		2.000	1.08	
(3) Shoulders	Km.	2.00	0.07	0.08	2.00		2.000	0.07	
(4) Bituminous work									
(a) BM									
(b) DBM	Km.	2.00	0.64	0.75	2.00		2.000	0.64	
(c) BC	Km.	2.00	0.42	0.49	2.00		2.000	0.42	
(5) Rigid Pavement- DLC	Km.	3.40	2.14	2.50	2.00	1.400	3.400	2.14	
(5) Rigid Pavement- Concrete work –PQC	Km.	3.40	7.53	8.81	2.00	1.400	3.400	7.53	
C- New culverts, minor bridges, underpasses, overpasses on existing road, realignments, bypasses:				-					
(1) Culverts	Nos.	132.00	6.95	8.13	33.00	77.000	110.000	5.79	
(2) Minor bridges	Nos.								
(a) Foundation	Nos.	18.00	0.89	1.04	9.00	9.000	18.000	0.89	
(b) Sub-structure	Nos.	18.00	0.89	1.04	9.00	9.000	18.000	0.89	
(c) Super-structure (including crash barriers etc.	Nos.	12.00	1.19	1.39	6.00	6.000	12.000	1.19	
3) Cattle/Pedestrian underpasses/Slab drain	Nos.			-					
(a) Foundation	Nos.	32.00	1.17	1.37	16.00	2.000	18.000	0.66	
(b) Sub-structure	Nos.	32.00	1.17	1.37	16.00	2.000	18.000	0.66	
(c) Super-structure (including crash barriers etc.	Nos.	16.00	1.56	1.82	8.00	1.000	9.000	0.88	

Stage for measurement for physical progress	Unit	Qty.	Weightage in percentage to the Contract	Amount as per Tender (In Cr.)	Physical Progress			Physical Progress in %	Remarks
					MU-4A	MU-4B	Total		
A- Widening and repairs of Major Bridges	Nos.	1.00		-			-		
(1) Foundation	Nos.			-			-		
(a) Open Foundation	Nos.			-			-		
(b) Pile Foundation/Well	Nos.			-			-		
(2) Sub-structure	Nos.						-		
(3) Super-structure (including	Nos.	1.00	0.06	0.07			-	0.00	
(i) Service Roads/ Slip Roads	Km.			-			-		
(ii) Toll Plaza	Nos.			-			-		
(iii) Road side drains	Km.	4.850	5.47	6.40	4.767		4.767	5.380	
(iv) Road signs, markings, km stones, safety devices,				-			-		
(a) Road signs, markings, km stones,	Km.	58.65	2.54	2.97	32.70		32.700	1.42	
(b) Concrete Crash Barrier/ W-Beam Crash Barrier in Road work	Km.	7.77	2.26	2.64			-	0.00	
(v) Project facilities				-			-		
(a) Bus bays	Nos.	52.00	2.72	3.18	9.00		9.000	0.47	
(vi) Repairs to bridges/structures	Nos.			-			-		
(vii) Road side plantation	Km.	58.35	0.33	0.39	35.00	23.350	58.350	0.33	
(viii) Protection works				-			-		
(a) Boulder Pitching on Slopes	Km.			-			-		
(b) Toe/Retaining wall	Km.	1.760	4.99	5.84	1.62	0.140	1.765	5.00	
(x) Miscellaneous							-		
Shifting of Utilities	Km.	58.65	0.25	0.29	35.21	13.51	48.716	0.21	
Site Clearance	Km.	50.84	0.87	1.02	35.21	13.51	48.716	0.84	
Quality Control,	Lump Sum	100.00	0.55	0.64	60.00	23.000	83.000	0.46	
Total			100.00	116.94				82.910	