

Tab.A.2.3 COST BREAK DOWN FOR INTERCHANGE & JUNCTION (PART 1: SOUTHERN HIGHWAY)

(*) For the purpose of preparation of ENGINEER'S ESTIMATES, the following Basic Unit Prices should be added with 10.0 % for road works as overhead.
15.0 % for road works as overhead.

Items	No.	Description	Unit	Unit Price		Unit Price-2(*) (Including Overhead)		B84 IC					ABIC					Part I				
				F/C	L/C	F/C	L/C	Quantities			Quantities			F/C	L/C	Cost						
				(Rs)	(Rs)	(Rs)	(Rs)	unit	(x10 ^{^3} Rs)	(x10 ^{^3} Rs)	(x10 ^{^3} Rs)	unit	(x10 ^{^3} Rs)	(x10 ^{^3} Rs)	(x10 ^{^3} Rs)							
I Earth Works	1	CUTTING	m3	14.00	126.00	15.40	138.60	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0					
	2	EMBANKMENT-1	m3	8.50	76.45	9.77	84.10	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0					
	3	EMBANKMENT-2	m3	26.81	241.29	29.49	265.42	45,173.0	m3	1,332.2	11,989.6	13,321.8	54,766.0	m3	1,615.1	14,535.7	16,150.8					
	4	EMBANKMENT-3	m3	7.17	64.53	7.89	70.98	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0					
	5	FOUNDATION STABILIZER	m3	50.00	450.00	55.00	495.00	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0					
	6	SLOPE PROTECTION	m2	5.21	46.89	5.73	51.58	0.0	m2	0.0	0.0	0.0	0.0	m2	0.0	0.0	0.0					
	7	RETAINING WALL	m	0.00	0.00	0.00	0.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0					
			SUB TOTAL (Earth works)								1,332.2	11,989.6	13,321.8			1,615.1	14,535.7	16,150.8				
II Road Works	1	WEARING COURSE	m2	172.26	114.84	189.49	126.32	10,068.0	m2	1,907.7	1,271.8	3,179.6	9,830.0	m2	1,862.6	1,241.8	3,104.4					
	2	BINDER COURSE	m2	213.97	142.65	235.37	156.92	10,068.0	m2	2,369.7	1,579.8	3,949.5	9,830.0	m2	2,313.7	1,542.5	3,856.1					
	3	BASE COURSE	m2	205.16	136.78	225.68	150.46	10,068.0	m2	2,272.1	1,514.8	3,786.9	9,830.0	m2	2,218.4	1,479.0	3,697.4					
	4	SUBBASE COURSE	m2	40.13	26.75	44.14	29.43	10,068.0	m2	444.4	296.3	740.7	9,830.0	m2	433.9	289.2	723.2					
	5	CENTER MEDIAN	m	7,200.00	4,800.00	7,920.00	5,280.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0					
	6	KERB	m	712.80	475.20	784.08	522.72	999.0	m	783.3	522.2	1,305.5	965.0	m	756.6	504.4	1,261.1					
	7	FRONTAGE ROAD	m2	343.10	228.73	377.41	251.61	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0					
			SUB TOTAL (Road Works)								7,777.3	5,184.9	12,962.2			7,585.3	5,056.9	12,642.2				
III	(a) Bridge Works	1	LENGTH>50m	Nos.	0.00	0.00		0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0					
		2	LENGTH<50m	Nos.	0.00	0.00		0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0					
	(b) Viaduct Works	3	LENGTH>50m	Nos.	0.00	0.00		0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0					
		4	LENGTH<50m	Nos.	0.00	0.00		0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0					
		SUB TOTAL (Bridge)								0.0	0.0	0.0			0.0	0.0	0.0					
IV	Underpass Works(Box Culvert)	1	UCX16.0x5.5 m (A=88m2)	m	1,320,000.00	1,320,000.00	1,518,000.00	1,518,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0				
		2	UCX6.0x6.0 m (A=36m2)	m	540,000.00	540,000.00	621,000.00	621,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0				
		3	UCX5.5x5.5 m (A=30.3m2)	m	454,500.00	454,500.00	522,675.00	522,675.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0				
		4	UCX5.0x5.0 m (A=25m2)	m	375,000.00	375,000.00	431,250.00	431,250.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0				
		5	UCX5.0x3.0 m (A=15m2)	m	225,000.00	225,000.00	258,750.00	258,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0				
		6	UCX4.0x2.0 m (A=8m2)	m	120,000.00	120,000.00	138,000.00	138,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0				
		7	UCX6.0x0.5 m (A=3m2)	m	45,000.00	45,000.00	51,750.00	51,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0				
				SUB TOTAL (Underpass)								0.0	0.0	0.0			0.0	0.0	0.0			
V	Drainage Works	1	PC1500 mm	m	18,150.00	18,150.00	21,562.50	21,562.50	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0				
		2	ROAD SURFACE DRAINAGE	m	10,500.00	10,500.00	12,075.00	12,075.00	999.0	m	12,062.9	12,062.9	24,125.9	965.0	m	11,652.4	11,652.4	23,304.8				
			SUB TOTAL (Drainage)									12,062.9	12,062.9	24,125.9			11,652.4	11,652.4	23,304.8			
VI	Miscellaneous	1	TEMPORARY ROAD	Ls.					1.0	Ls.	40.0	359.7	399.7	1.0	Ls.	48.5	436.1	484.5				
		2	TEMPORARY CONSTRUCTION FACILITY	Ls.					1.0	Ls.	13.3	119.9	133.2	1.0	Ls.	16.2	145.4	161.5				
		3	TRAFFIC SIGN BOARD	m	721.00	309.00	793.10	339.90	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0				
		4	TRAFFIC ILLUMINATION	Nos.	315,000.00	135,000.00	346,500.00	148,500.00	13.0	Nos.	4,504.5	1,930.5	6,435.0	13.0	Nos.	4,504.5	1,930.5	6,435.0				
		5	ACCESS CONTROL FACILITY(GUARD RAIL)	m	2,800.00	1,200.00	3,080.00	1,320.00	1,998.0	m	6,153.8	2,637.4	8,791.2	1,930.0	m	5,944.4	2,547.6	8,492.0				
		6	LANE MARKING	m	367.50	157.50	404.25	173.25	1,998.0	m	807.7	346.2	1,153.8	1,930.0	m	780.2	334.4	1,114.6				
		7	FENCING & km POST	m	2,800.00	1,200.00	3,080.00	1,320.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0				
		8	TRAFFIC SIGNAL	Nos.	4,200,000.00	1,800,000.00	4,620,000.00	1,980,000.00	2.0	Nos.	9,240.0	3,960.0	13,200.0	2.0	Nos.	9,240.0	3,960.0	13,200.0				
		SUB TOTAL (Miscellaneous)								20,759.3	9,353.6	30,112.9			20,533.7	9,353.9	29,887.6					
TOTAL CONSTRUCTION COST										41,931.7	38,591.0	80,522.7			41,386.4	40,598.9	81,985.3					

Tab.A.2.3 COST BREAK DOWN FOR INTERCHANGE & JUNCTION (PART I: SOUTHERN HIGHWAY)

Costs should be added with 10.0 % for road works as overhead.
 15.0 % for road works as overhead.

Rate-1(*) (Overhead)	Part I												Total Interchange Construction Cost				Remarks	
	B81C					A81C								Total Interchange Construction Cost				
	L/C (Rs)	Quantities unit	F/C (x10 ^{^3} Rs)	L/C (x10 ^{^3} Rs)	Cost (x10 ^{^3} Rs)	Quantities unit	F/C (x10 ^{^3} Rs)	L/C (x10 ^{^3} Rs)	Cost (x10 ^{^3} Rs)				Quantities unit	F/C (x10 ^{^3} Rs)	L/C (x10 ^{^3} Rs)	Cost (x10 ^{^3} Rs)		
138.60	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0				0.0	m3	0.0	0.0	0.0
84.10	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0				0.0	m3	0.0	0.0	0.0
265.42	45,173.0	m3	1,332.2	11,989.6	13,321.8	54,766.0	m3	1,615.1	14,535.7	16,150.8				99,939.0	m3	2,947.3	26,525.3	29,472.6
70.98	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0				0.0	m3	0.0	0.0	0.0
495.00	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0				0.0	m3	0.0	0.0	0.0
51.58	0.0	m2	0.0	0.0	0.0	0.0	m2	0.0	0.0	0.0				0.0	m2	0.0	0.0	0.0
0.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0				0.0	m	0.0	0.0	0.0
			1,332.2	11,989.6	13,321.8			1,615.1	14,535.7	16,150.8						2,947.3	26,525.3	29,472.6
126.32	10,068.0	m2	1,907.7	1,271.8	3,179.6	9,830.0	m2	1,862.6	1,241.8	3,104.4				19,898.0	m2	3,770.4	2,513.6	6,284.0
156.92	10,068.0	m2	2,369.7	1,579.8	3,949.5	9,830.0	m2	2,313.7	1,542.5	3,856.1				19,898.0	m2	4,683.3	3,122.3	7,805.6
150.46	10,068.0	m2	2,272.1	1,514.8	3,786.9	9,830.0	m2	2,218.4	1,479.0	3,697.4				19,898.0	m2	4,490.5	2,993.8	7,484.3
29.43	10,068.0	m2	444.4	295.3	740.7	9,830.0	m2	433.9	289.2	723.2				19,898.0	m2	878.4	585.5	1,463.9
5,280.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0				0.0	m	0.0	0.0	0.0
522.22	999.0	m	783.3	522.2	1,305.5	965.0	m	756.6	504.4	1,261.1				1,964.0	m	1,539.9	1,026.6	2,566.6
251.61	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0				0.0	m	0.0	0.0	0.0
			7,777.3	5,184.9	12,962.2			7,585.3	5,066.9	12,642.2						15,362.5	10,241.8	25,604.3
	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0				0.0	Nos.	0.0	0.0	0.0
	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0				0.0	Nos.	0.0	0.0	0.0
	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0				0.0	Nos.	0.0	0.0	0.0
	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0				0.0	Nos.	0.0	0.0	0.0
	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0				0.0	Nos.	0.0	0.0	0.0
1,518,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0				0.0	m	0.0	0.0	0.0
621,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0				0.0	m	0.0	0.0	0.0
522,675.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0				0.0	m	0.0	0.0	0.0
431,250.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0				0.0	m	0.0	0.0	0.0
258,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0				0.0	m	0.0	0.0	0.0
138,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0				0.0	m	0.0	0.0	0.0
51,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0				0.0	m	0.0	0.0	0.0
	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0				0.0		0.0	0.0	0.0
21,562.50	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0				0.0	m	0.0	0.0	0.0
12,075.00	999.0	m	12,062.9	12,062.9	24,125.9	965.0	m	11,652.4	11,652.4	23,304.8				1,964.0	m	23,715.3	23,715.3	47,430.6
			12,062.9	12,062.9	24,125.9			11,652.4	11,652.4	23,304.8						23,715.3	23,715.3	47,430.6
	1.0	La.	40.0	399.7	399.7	1.0	La.	48.5	436.1	484.5				2.0	La.	88.4	795.8	884.2
	1.0	La.	13.3	119.9	133.2	1.0	La.	16.2	145.4	161.5				2.0	La.	29.5	265.3	294.7
339.90	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0				0.0	m	0.0	0.0	0.0
148,500.00	13.0	Nos.	4,504.5	1,930.5	6,435.0	13.0	Nos.	4,504.5	1,930.5	6,435.0				26.0	Nos.	9,099.0	3,861.0	12,870.0
1,320.00	1,998.0	m	6,153.8	2,637.4	8,791.2	1,930.0	m	5,944.4	2,547.6	8,492.0				3,928.0	m	12,098.2	5,185.0	17,283.2
173.23	1,998.0	m	807.7	346.2	1,153.8	1,930.0	m	780.2	334.4	1,114.6				3,928.0	m	1,587.9	680.5	2,268.4
1,320.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0				0.0	m	0.0	0.0	0.0
1,980,000.00	2.0	Nos.	9,240.0	3,960.0	13,200.0	2.0	Nos.	9,240.0	3,960.0	13,200.0				4.0	Nos.	18,480.0	7,920.0	26,400.0
			20,759.3	9,353.6	30,112.9			20,533.7	9,353.9	29,887.6						41,293.0	18,707.5	60,000.5
			41,931.7	38,591.0	80,522.7			41,386.4	40,598.9	81,985.3						83,318.1	79,189.9	162,508.0

		SUB TOTAL (Earth works)							1,332.2	11,589.6	13,321.8			1,613.1	14,533.7	16,150.8				
ii	Road Works	1	WEARING COURSE	m ²	172.26	114.84	189.49	126.32	10,068.0	m ²	1,907.7	1,271.8	3,179.6	9,830.0	m ²	1,862.6	1,241.8	3,104.4		
		2	BINDER COURSE	m ²	213.97	142.65	235.37	156.92	10,068.0	m ²	2,369.7	1,579.8	3,949.5	9,830.0	m ²	2,313.7	1,542.5	3,856.1		
		3	BASE COURSE	m ²	205.16	136.78	225.68	150.46	10,068.0	m ²	2,272.1	1,514.8	3,766.9	9,830.0	m ²	2,218.4	1,479.0	3,691.4		
		4	SUBBASE COURSE	m ²	40.13	26.75	44.14	29.43	10,068.0	m ²	444.4	296.3	740.7	9,830.0	m ²	433.9	289.2	723.2		
		5	CENTER MEDIAN	m	7,200.00	4,800.00	7,920.00	5,280.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0		
		6	KERB	m	712.80	475.20	784.08	522.72	999.0	m	783.3	522.2	1,305.5	965.0	m	756.6	504.4	1,261.1		
		7	FRONTAGE ROAD	m ²	343.10	228.73	377.41	251.61	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0		
				SUB TOTAL (Road Works)							7,777.3	5,184.9	12,962.2			7,583.3	5,056.9	12,642.2		
iii	(a) Bridge Works	1	LENGTH > 50m	Nos.	0.00	0.00			0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0		
		2	LENGTH < 50m	Nos.	0.00	0.00			0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0		
	(b) Viaduct Works	3	LENGTH > 50m	Nos.	0.00	0.00			0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0		
		4	LENGTH < 50m	Nos.	0.00	0.00			0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0		
		SUB TOTAL (Bridge)							0.0	0.0	0.0			0.0	0.0	0.0				
iv	Underpass Works (Box Culvert)	1	UCX16.0x5.5 m (A=88m ²)	m	1,320,000.00	1,320,000.00	1,518,000.00	1,518,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0		
		2	UCX6.0x6.0 m (A=36m ²)	m	540,000.00	540,000.00	621,000.00	621,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0		
		3	UCX5.5x5.5 m (A=30.3m ²)	m	454,500.00	454,500.00	522,675.00	522,675.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0		
		4	UCX5.0x5.0 m (A=25m ²)	m	375,000.00	375,000.00	431,250.00	431,250.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0		
		5	UCX5.0x3.0 m (A=15m ²)	m	225,000.00	225,000.00	258,750.00	258,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0		
		6	UCX4.0x2.0 m (A=8m ²)	m	120,000.00	120,000.00	138,000.00	138,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0		
		7	UCX6.0x0.5 m (A=3m ²)	m	45,000.00	45,000.00	51,750.00	51,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0		
				SUB TOTAL (Underpass)							0.0	0.0	0.0			0.0	0.0	0.0		
v	Drainage Works	1	PC1500 mm	m	18,750.00	18,750.00	21,562.50	21,562.50	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0		
		2	ROAD SURFACE DRAINAGE	m	10,500.00	10,500.00	12,075.00	12,075.00	999.0	m	12,062.9	12,062.9	24,125.9	965.0	m	11,652.4	11,652.4	23,304.8		
				SUB TOTAL (Drainage)							12,062.9	12,062.9	24,125.9			11,652.4	11,652.4	23,304.8		
vi	Miscellaneous	1	TEMPORARY ROAD	Ex.					1.0	Ex.	40.0	359.7	399.7	1.0	Ex.	48.5	436.1	484.5		
		2	TEMPORARY CONSTRUCTION FACILITY	Ex.					1.0	Ex.	13.3	119.9	133.2	1.0	Ex.	16.2	145.4	161.5		
		3	TRAFFIC SIGN BOARD	m	721.00	309.00	793.10	339.50	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0		
		4	TRAFFIC ILLUMINATION	Nos.	315,000.00	135,000.00	346,500.00	148,500.00	13.0	Nos.	4,504.3	1,930.5	6,435.0	13.0	Nos.	4,504.3	1,930.5	6,435.0		
		5	ACCESS CONTROL FACILITY (GUARD RAIL)	m	2,800.00	1,200.00	3,080.00	1,320.00	1,998.0	m	6,153.8	2,637.4	8,791.2	1,930.0	m	5,944.4	2,547.6	8,492.0		
		6	LANE MARKING	m	367.50	157.50	404.25	173.25	1,998.0	m	807.7	346.2	1,153.8	1,930.0	m	780.2	334.4	1,114.6		
		7	FENCING & km POST	m	2,800.00	1,200.00	3,080.00	1,320.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0		
		8	TRAFFIC SIGNAL	Nos.	4,200,000.00	1,800,000.00	4,620,000.00	1,980,000.00	2.0	Nos.	9,240.0	3,960.0	13,200.0	2.0	Nos.	9,240.0	3,960.0	13,200.0		
				SUB TOTAL (Miscellaneous)							20,759.3	9,353.6	30,112.9			20,533.7	9,353.9	29,887.6		
		TOTAL CONSTRUCTION COST							41,931.7	38,591.0	80,522.7			41,386.4	40,598.9	81,985.3				

			1,528.4	11,292.0	12,241.8			1,813.1	10,335.7	16,150.8							2,917.3	26,523.3	29,472.6		
126.32	10,068.0	m2	1,007.7	1,271.8	3,179.6	9,830.0	m2	1,862.6	1,241.8	3,104.4							19,898.0	m2	3,770.4	2,313.6	6,241.0
156.92	10,068.0	m2	2,369.7	1,579.8	3,949.5	9,830.0	m2	2,313.7	1,542.5	3,856.1							19,898.0	m2	4,683.3	1,122.3	7,805.6
150.46	10,068.0	m2	2,272.1	1,514.8	3,776.9	9,830.0	m2	2,218.4	1,479.0	3,697.4							19,898.0	m2	4,490.5	2,993.8	7,481.3
29.43	10,068.0	m2	444.4	296.3	740.7	9,830.0	m2	433.9	289.2	723.2							19,898.0	m2	878.4	585.5	1,463.9
5,280.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0							0.0	m	0.0	0.0	0.0
522.72	999.0	m	783.3	522.2	1,305.5	965.0	m	756.6	504.4	1,261.1							1,964.0	m	1,539.9	1,026.6	2,566.6
251.61	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0							0.0	m	0.0	0.0	0.0
			7,777.3	5,184.9	12,962.2			7,585.3	5,056.9	12,642.2									15,362.5	10,241.8	25,604.3
	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0							0.0	Nos.	0.0	0.0	0.0
	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0							0.0	Nos.	0.0	0.0	0.0
	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0							0.0	Nos.	0.0	0.0	0.0
	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0							0.0	Nos.	0.0	0.0	0.0
			0.0	0.0	0.0			0.0	0.0	0.0									0.0	0.0	0.0
1,518,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0							0.0	m	0.0	0.0	0.0
621,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0							0.0	m	0.0	0.0	0.0
522,635.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0							0.0	m	0.0	0.0	0.0
431,250.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0							0.0	m	0.0	0.0	0.0
258,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0							0.0	m	0.0	0.0	0.0
138,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0							0.0	m	0.0	0.0	0.0
51,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0							0.0	m	0.0	0.0	0.0
			0.0	0.0	0.0			0.0	0.0	0.0									0.0	0.0	0.0
21,562.50	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0							0.0	m	0.0	0.0	0.0
12,075.00	999.0	m	12,062.9	12,062.9	24,125.9	965.0	m	11,652.4	11,652.4	23,304.8							1,964.0	m	23,715.3	23,715.3	47,430.6
			12,062.9	12,062.9	24,125.9			11,652.4	11,652.4	23,304.8									23,715.3	23,715.3	47,430.6
	1.0	Ex.	40.0	359.7	399.7	1.0	Ex.	48.5	436.1	484.5							2.0	Ex.	88.4	795.8	851.2
	1.0	Ex.	13.3	119.9	133.2	1.0	Ex.	16.2	143.4	161.5							2.0	Ex.	29.5	265.3	294.7
339.90	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0							0.0	m	0.0	0.0	0.0
148,500.00	13.0	Nos.	4,504.5	1,930.5	6,435.0	13.0	Nos.	4,504.5	1,930.5	6,435.0							26.0	Nos.	9,009.0	3,861.0	12,870.0
1,320.00	1,998.0	m	6,153.8	2,637.4	8,791.2	1,930.0	m	5,944.4	2,547.6	8,492.0							3,928.0	m	12,098.2	5,185.0	17,283.2
173.25	1,998.0	m	807.7	346.2	1,153.8	1,930.0	m	780.2	334.4	1,114.6							3,928.0	m	1,587.9	680.5	2,268.4
1,320.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0							0.0	m	0.0	0.0	0.0
1,980,000.00	2.0	Nos.	9,240.0	3,960.0	13,200.0	2.0	Nos.	9,240.0	3,960.0	13,200.0							4.0	Nos.	18,480.0	7,920.0	26,400.0
			20,759.3	9,353.6	30,112.9			20,533.7	9,353.9	29,887.6									41,293.0	18,707.5	60,000.5
			41,931.7	38,591.0	80,522.7			41,386.4	40,598.9	81,985.3									83,318.1	79,189.9	162,508.0

Tab.A.2.4 COST BREAKDOWN FOR INTERCHANGE & JUNCTION (PART 2: OUTER CIRCULAR HIGHWAY)

(*) For the purpose of preparation of ENGINEER'S ESTIMATES, the following Basic Unit Pri

Items	No.	Description	Unit	Unit Price		Unit Price-2(*) (Including Overhead)		Part 2														
				F/C	L/C	F/C	L/C	A11C			B111C			A1101C								
				(Rs)	(Rs)	(Rs)	(Rs)	Quantities	F/C	L/C	Cost	Quantities	F/C	L/C	Cost	Quantities	F/C	L/C				
						(x10 ^{^3} Rs)	(x10 ^{^3} Rs)	(x10 ^{^3} Rs)		unit	(x10 ^{^3} Rs)	(x10 ^{^3} Rs)	(x10 ^{^3} Rs)		unit	(x10 ^{^3} Rs)	(x10 ^{^3} Rs)					
I	Earth Works	1	CUTTING	m ³	14.00	126.00	15.40	138.60	0.0	m ³	0.0	0.0	0.0	0.0	m ³	0.0	0.0	0.0	0.0	m ³	0.0	0.0
		2	EMBANKMENT-1	m ³	8.50	76.46	9.77	84.10	0.0	m ³	0.0	0.0	0.0	0.0	m ³	0.0	0.0	0.0	0.0	m ³	0.0	0.0
		3	EMBANKMENT-2	m ³	26.81	241.29	29.49	265.42	95,185.0	m ³	2,816.5	25,528.9	28,365.5	23,372.0	m ³	689.3	6,203.3	6,892.5	16,824.8	m ³	472.6	4,253.0
		4	EMBANKMENT-3	m ³	7.17	64.53	7.89	70.98	0.0	m ³	0.0	0.0	0.0	0.0	m ³	0.0	0.0	0.0	0.0	m ³	0.0	0.0
		5	FOUNDATION STABILIZER	m ³	50.00	450.00	55.00	495.00	0.0	m ³	0.0	0.0	0.0	0.0	m ³	0.0	0.0	0.0	0.0	m ³	0.0	0.0
		6	SLOPE PROTECTION	m ²	5.71	46.89	5.73	45.91	0.0	m ²	0.0	0.0	0.0	0.0	m ²	0.0	0.0	0.0	0.0	m ²	0.0	0.0
		7	RETAINING WALL	m	0.00	0.00	0.00	0.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0
				SUB TOTAL (Earth works)									2,816.5	25,528.9	28,365.5		689.3	6,203.3	6,892.5		472.6	4,253.0
II	Road Works	1	WEARING COURSE	m ²	172.26	114.84	189.49	126.32	12,567.0	m ²	2,311.3	1,587.3	3,908.8	3,547.0	m ²	672.1	448.1	1,120.2	4,359.0	m ²	826.0	590.6
		2	BINDER COURSE	m ²	213.97	142.63	235.37	156.92	12,567.0	m ²	2,957.9	1,972.0	4,929.8	3,547.0	m ²	814.1	556.6	1,391.4	4,359.0	m ²	1,026.0	684.0
		3	BASE COURSE	m ²	203.16	136.78	225.68	150.46	12,567.0	m ²	2,836.1	1,890.8	4,726.9	3,547.0	m ²	800.5	533.7	1,334.1	4,359.0	m ²	993.7	653.8
		4	SUBBASE COURSE	m ²	40.13	26.73	44.14	29.43	12,567.0	m ²	554.7	369.8	924.5	3,547.0	m ²	156.6	104.4	260.9	4,359.0	m ²	192.4	128.3
		5	CENTER MEDIAN	m	2,200.00	4,800.00	2,920.00	5,280.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0
		6	KERB	m	712.80	473.20	784.08	522.72	1,356.0	m	1,063.2	708.8	1,772.0	287.0	m	225.0	150.0	375.1	403.0	m	316.0	210.7
		7	FRONTAGE ROAD	m ²	343.18	228.73	377.41	251.61	0.0	m ²	0.0	0.0	0.0	0.0	m ²	0.0	0.0	0.0	0.0	m ²	0.0	0.0
				SUB TOTAL (Road Works)									9,793.2	6,528.9	16,322.0		2,689.0	1,792.7	4,481.7		3,344.1	2,229.4
III	(a) Bridge Works	1	LENGTH<50m	No.	0.00	0.00			0.0	No.	0.0	0.0	0.0	0.0	No.	0.0	0.0	0.0	0.0	No.	0.0	0.0
		2	LENGTH<50m	No.	0.00	0.00			0.0	No.	0.0	0.0	0.0	0.0	No.	0.0	0.0	0.0	0.0	No.	0.0	0.0
	(b) Viaduct Works	3	LENGTH<50m	No.	0.00	0.00			0.0	No.	0.0	0.0	0.0	0.0	No.	0.0	0.0	0.0	0.0	No.	0.0	0.0
		4	LENGTH<50m	No.	0.00	0.00			0.0	No.	0.0	0.0	0.0	0.0	No.	0.0	0.0	0.0	0.0	No.	0.0	0.0
		SUB TOTAL (Bridge)									0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0		
IV	Underpass Works (Box Culvert)	1	UCX16.0x5.5 m (A=88m ²)	m	1,320,000.00	1,320,000.00	1,418,000.00	1,518,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0
		2	UCX6.0x5.0 m (A=36m ²)	m	540,000.00	540,000.00	621,000.00	621,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0
		3	UCX5.5x5.5 m (A=30.3m ²)	m	454,500.00	454,500.00	522,675.00	522,675.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0
		4	UCX5.0x5.0 m (A=25m ²)	m	375,000.00	375,000.00	431,250.00	431,250.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0
		5	UCX5.0x3.0 m (A=15m ²)	m	225,000.00	225,000.00	258,750.00	258,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0
		6	UCX4.0x2.0 m (A=8m ²)	m	120,000.00	120,000.00	138,000.00	138,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0
		7	UCX6.0x0.5 m (A=3m ²)	m	45,000.00	45,000.00	51,750.00	51,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0
				SUB TOTAL (Underpass)									0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0
V	Drainage Works	1	PC1500 mm	m	18,750.00	18,750.00	21,562.50	21,562.50	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0
		2	ROAD SURFACE DRAINAGE	m	10,500.00	10,500.00	12,075.00	12,075.00	1,356.0	m	16,373.7	16,373.7	32,747.4	287.8	m	3,465.5	3,465.5	6,931.1	403.0	m	4,866.2	4,866.2
			SUB TOTAL (Drainage)										16,373.7	16,373.7	32,747.4		3,465.5	3,465.5	6,931.1		4,866.2	4,866.2
		1	TEMPORARY ROAD	Lx					1.0	Lx	85.1	765.9	851.0	1.0	Lx	20.7	186.1	206.8	1.0	Lx	14.2	127.6
		2	TEMPORARY CONSTRUCTION FACILITY	Lx					1.0	Lx	28.4	253.3	283.7	1.0	Lx	6.9	62.0	68.9	1.0	Lx	4.7	42.5
		3	TRAFFIC SIGN BOARD	m ²	721.00	309.00	793.10	339.90	0.0	m ²	0.0	0.0	0.0	0.0	m ²	0.0	0.0	0.0	0.0	m ²	0.0	0.0
		4	TRAFFIC ILLUMINATION	No.	315,000.00	135,000.00	346,500.00	148,500.00	18.0	No.	6,237.0	2,633.0	8,910.0	3.0	No.	1,792.5	743.5	2,476.0	4.0	No.	2,670.0	1,111.0

Tab.A.2.4 COST BREAKDOWN FOR INTERCHANGE & JUNCTION (PART 2: OUTER CIRCULAR HIGHWAY)

(*) For the purpose of preparation of ENGINEER'S ESTIMATES, the following Basic Unit Prices should be added with **10.0 %** for road works as overhead. **15.0 %** for bridge works as overhead.

Unit Price-2(*) (Including Overhead)			Part 2																		Total Interchange Construction Cost			Remarks			
L/C	F/C	L/C	A1 IC			B214 IC			A110 IC			A4 IC			Quantities			F/C	L/C	Cost							
			Quantities	F/C	L/C	Cost	Quantities	F/C	L/C	Cost	Quantities	F/C	L/C	Cost	Quantities	F/C	L/C				Cost						
(Rs)	(Rs)	(Rs)	unit	(x10 ³ Rs)	(x10 ³ Rs)	(x10 ³ Rs)	unit	(x10 ³ Rs)	(x10 ³ Rs)	(x10 ³ Rs)	unit	(x10 ³ Rs)	(x10 ³ Rs)	(x10 ³ Rs)	unit	(x10 ³ Rs)	(x10 ³ Rs)	(x10 ³ Rs)	unit	(x10 ³ Rs)	(x10 ³ Rs)	(x10 ³ Rs)					
126.00	15.40	138.60	0.0	m3	0.0	0.0	0.0	m3	0.0	0.0	0.0	m3	0.0	0.0	0.0	m3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
76.46	9.77	86.23	0.0	m3	0.0	0.0	0.0	m3	0.0	0.0	0.0	m3	0.0	0.0	0.0	m3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
241.29	29.49	270.78	95,183.0	m3	2,836.5	25,528.9	28,365.5	23,372.0	m3	692.3	6,203.3	6,895.5	16,924.0	m3	472.6	4,253.0	4,725.6	206,673.0	m3	6,093.0	54,814.7	60,907.6	342,256.0	m3	10,093.3	90,839.9	100,933.2
64.53	7.89	72.42	0.0	m3	0.0	0.0	0.0	m3	0.0	0.0	0.0	m3	0.0	0.0	0.0	m3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
450.00	55.00	505.00	0.0	m3	0.0	0.0	0.0	m3	0.0	0.0	0.0	m3	0.0	0.0	0.0	m3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
45.89	5.73	51.62	0.0	m2	0.0	0.0	0.0	m2	0.0	0.0	0.0	m2	0.0	0.0	0.0	m2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
0.00	0.00	0.00	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
					2,836.5	25,528.9	28,365.5		619.3	6,203.3	6,895.5		472.6	4,253.0	4,725.6		6,182.8	55,644.9	61,827.7			19,181.1	91,636.1	101,817.3			
114.84	189.49	304.33	12,567.0	m2	2,311.3	1,587.5	3,908.8	3,547.0	m2	672.1	448.1	1,120.2	4,359.0	m2	826.0	590.4	1,376.4	13,478.0	m2	2,553.9	1,702.6	4,256.5	33,951.0	m2	6,433.2	4,788.8	10,722.1
142.63	235.37	378.00	12,567.0	m2	2,937.9	1,972.0	4,929.9	3,547.0	m2	834.1	554.6	1,391.4	4,359.0	m2	1,026.0	684.0	1,710.0	13,478.0	m2	3,172.3	2,114.9	5,287.2	33,951.0	m2	7,990.9	5,327.4	13,318.4
136.71	225.68	351.39	12,567.0	m2	2,335.1	1,890.8	4,225.9	3,547.0	m2	800.5	533.7	1,334.1	4,359.0	m2	983.7	655.8	1,639.6	13,478.0	m2	3,041.7	2,027.9	5,069.5	33,951.0	m2	7,681.9	5,104.2	12,796.1
26.75	44.14	70.89	12,567.0	m2	554.7	369.8	924.5	3,547.0	m2	156.6	104.4	260.9	4,359.0	m2	192.4	128.3	320.7	13,478.0	m2	595.0	396.6	991.5	33,951.0	m2	1,498.7	999.0	2,497.7
4,800.00	7,920.00	12,720.00	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
475.20	784.08	1,259.28	1,350.0	m	1,063.2	708.8	1,772.0	287.0	m	225.0	150.0	375.1	403.0	m	316.0	210.7	526.6	1,050.0	m	823.3	548.9	1,372.1	3,096.0	m	2,427.5	1,618.3	4,045.9
228.73	377.41	606.14	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0			
					9,793.2	6,528.9	16,322.0			2,649.0	1,792.7	4,441.7		3,344.1	2,229.4	5,573.5		10,186.1	6,790.8	16,976.9			26,012.3	17,341.8	43,354.1		
0.00			0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	
0.00			0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	1.0	Nos.	4,922.0	4,922.0	9,844.0	1.0	Nos.	4,922.0	4,922.0	9,844.0
0.00			0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	
0.00			0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	
					0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		4,922.0	4,922.0	9,844.0			4,922.0	4,922.0	9,844.0			
320,000.00	1,518,000.00	1,518,000.00	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	m	0.0	0.0	
543,000.00	621,000.00	621,000.00	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	m	0.0	0.0	
454,500.00	522,675.00	522,675.00	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	m	0.0	0.0	
375,000.00	431,250.00	431,250.00	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	m	0.0	0.0	
225,000.00	258,750.00	258,750.00	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	m	0.0	0.0	
120,000.00	138,000.00	138,000.00	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	m	0.0	0.0	
45,000.00	51,750.00	51,750.00	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	m	0.0	0.0	
					0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0		0.0	0.0	0.0			0.0	0.0	0.0	0.0		
18,750.00	21,562.50	21,562.50	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	m	0.0	0.0	
10,500.00	12,075.00	12,075.00	1,350.0	m	16,373.7	16,373.7	32,747.4	287.0	m	3,465.5	3,465.5	6,931.1	403.0	m	4,866.2	4,866.2	9,732.3	1,050.0	m	12,678.8	12,678.8	25,357.5	3,096.0	m	37,384.2	37,384.2	74,768.4
					16,373.7	16,373.7	32,747.4		3,465.5	3,465.5	6,931.1		4,866.2	4,866.2	9,732.3		12,678.8	12,678.8	25,357.5			37,384.2	37,384.2	74,768.4			
			1.0	La.	85.1	765.9	851.0	1.0	La.	20.7	186.1	206.8	1.0	La.	14.2	127.6	141.8	1.0	La.	333.1	1,817.0	2,150.1	4.0	La.	453.1	2,896.6	3,349.7
			1.0	La.	28.4	255.3	283.7	1.0	La.	6.9	61.0	67.9	1.0	La.	4.7	42.5	47.3	1.0	La.	111.0	603.7	714.7	4.0	La.	131.0	865.5	1,116.6
309.00	793.10	339.90	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	0.0	0.0	0.0	m	0.0	0.0	
135,000.00	346,500.00	148,500.00	15.0	Nos.	6,237.6	2,673.0	8,910.6	5.0	Nos.	1,732.5	712.5	2,445.0	4.0	Nos.	2,079.0	891.0	2,970.0	15.0	Nos.	5,197.5	2,227.5	7,425.0	44.0	Nos.	15,246.0	6,534.0	21,780.0

				2,836.5	25,528.9	28,365.5			619.3	6,263.3	6,882.6			472.6	4,253.0	4,725.6			6,192.8	55,644.9	61,837.7			10,141.1	91,630.1	101,771.3
19.49	126.32	12,567.0	m2	2,381.3	1,387.3	3,068.6	3,517.0	m2	472.1	448.1	1,120.2	4,359.0	m2	826.0	550.6	1,376.6	13,478.0	m2	2,533.9	1,702.6	4,236.5	33,931.0	m2	6,433.2	4,288.8	10,722.1
33.37	156.92	12,567.0	m2	2,937.9	1,972.9	4,929.8	3,517.0	m2	934.8	556.6	1,391.4	4,359.0	m2	1,026.0	614.0	1,710.0	13,478.0	m2	3,172.3	2,114.9	5,287.2	33,931.0	m2	7,990.9	5,327.4	13,318.4
25.68	150.45	12,567.0	m2	2,836.1	1,820.8	4,724.9	3,517.0	m2	800.5	533.7	1,334.1	4,359.0	m2	983.7	655.8	1,639.6	13,478.0	m2	3,041.7	2,027.9	5,069.5	33,931.0	m2	7,651.9	5,101.2	12,753.1
44.14	29.43	12,567.0	m2	551.7	369.8	924.5	3,517.0	m2	156.6	104.4	265.9	4,359.0	m2	192.4	128.3	320.7	13,478.0	m2	395.0	396.6	791.5	33,931.0	m2	1,498.7	999.0	2,497.7
20.00	5,283.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
44.08	522.72	1,356.0	m	1,063.2	708.8	1,772.0	2,870.0	m	725.0	450.0	375.1	403.0	m	316.0	210.7	526.6	1,050.0	m	823.3	518.9	1,342.1	3,096.0	m	2,427.5	1,618.3	4,045.9
72.41	251.61	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
				9,793.2	6,521.9	16,322.0			2,689.0	1,792.7	4,481.7			3,244.1	2,229.4	5,473.5			10,116.1	6,790.8	16,906.9			26,012.3	17,341.8	43,354.1
		0.0	No.	0.0	0.0	0.0	0.0	No.	0.0	0.0	0.0	0.0	No.	0.0	0.0	0.0	0.0	No.	0.0	0.0	0.0	0.0	No.	0.0	0.0	0.0
		0.0	No.	0.0	0.0	0.0	0.0	No.	0.0	0.0	0.0	0.0	No.	0.0	0.0	0.0	1.0	No.	4,922.0	4,922.0	9,844.0	1.0	No.	4,922.0	4,922.0	9,844.0
		0.0	No.	0.0	0.0	0.0	0.0	No.	0.0	0.0	0.0	0.0	No.	0.0	0.0	0.0	0.0	No.	0.0	0.0	0.0	0.0	No.	0.0	0.0	0.0
		0.0	No.	0.0	0.0	0.0	0.0	No.	0.0	0.0	0.0	0.0	No.	0.0	0.0	0.0	0.0	No.	0.0	0.0	0.0	0.0	No.	0.0	0.0	0.0
		0.0		0.0	0.0	0.0			0.0	0.0	0.0			0.0	0.0	0.0			4,922.0	4,922.0	9,844.0			4,922.0	4,922.0	9,844.0
00.00	1,518,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
00.00	621,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
73.00	522,635.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
150.00	431,259.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
158.00	258,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
00.00	138,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
150.00	51,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
		0.0		0.0	0.0	0.0			0.0	0.0	0.0			0.0	0.0	0.0			0.0	0.0	0.0			0.0	0.0	0.0
162.50	21,562.50	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
175.00	12,075.00	1,356.0	m	16,373.7	16,373.7	32,747.4	2,870.0	m	3,465.3	3,465.3	6,931.1	403.0	m	4,866.2	4,866.2	9,732.5	1,050.0	m	12,678.8	12,678.8	25,357.5	3,096.0	m	37,384.2	37,384.2	74,768.4
				16,373.7	16,373.7	32,747.4			3,465.3	3,465.3	6,931.1			4,866.2	4,866.2	9,732.5			12,678.8	12,678.8	25,357.5			37,384.2	37,384.2	74,768.4
		1.0	La.	83.1	765.9	831.0	1.0	La.	20.7	185.1	205.8	1.0	La.	14.2	127.6	141.8	1.0	La.	333.1	1,819.0	2,150.1	4.0	La.	433.1	2,836.6	3,269.7
		1.0	La.	28.4	253.3	281.7	1.0	La.	6.9	62.0	68.9	1.0	La.	4.7	42.5	47.3	1.0	La.	111.0	603.7	716.7	4.0	La.	151.0	963.5	1,116.6
797.10	339.90	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
500.00	144,500.00	18.0	No.	6,237.0	2,673.0	8,910.0	5.0	No.	1,732.5	742.5	2,475.0	4.0	No.	2,079.9	891.0	2,970.0	13.0	No.	5,197.5	2,227.5	7,425.0	44.0	No.	15,246.0	6,534.0	21,780.0
083.00	1,320.00	2,712.0	m	8,332.0	3,579.8	11,911.8	574.0	m	1,763.9	737.7	2,501.6	806.0	m	2,482.5	1,063.9	3,546.4	2,100.0	m	6,468.0	2,772.0	9,240.0	6,192.0	m	19,071.4	8,173.4	27,244.8
418.25	133.23	2,712.0	m	1,096.3	469.9	1,566.2	574.0	m	232.0	99.4	331.5	806.0	m	325.8	139.6	465.5	2,100.0	m	818.9	363.8	1,212.8	6,192.0	m	2,503.1	1,072.8	3,575.9
083.00	1,320.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
000.00	1,980,000.00	2.0	No.	9,240.0	3,960.0	13,200.0	2.0	No.	9,240.0	3,960.0	13,200.0	2.0	No.	9,240.0	3,960.0	13,200.0	0.0	No.	0.0	0.0	0.0	6.0	No.	27,720.0	11,880.0	39,600.0
				25,019.7	11,703.9	36,723.6			13,000.0	5,807.8	18,807.8			14,146.2	6,224.7	20,370.9			12,958.6	7,786.0	20,744.6			65,144.6	31,522.3	96,666.9
				34,043.2	60,133.4	114,178.5			19,843.8	17,269.2	37,113.1			22,829.0	17,573.3	40,402.4			46,928.2	87,822.5	134,750.7			143,644.2	182,800.4	326,444.7

172.26	114.84	189.49	126.32	12,567.0	m2	2,381.3	1,587.3	3,068.8	3,547.0	m2	472.1	411.1	1,120.2	4,359.0	m2	825.0	550.6	1,376.6	13,478.0	m2	2,533.9	1,702.4	4,235.5	33,951.0	m2	4,433.2	4,288.8	10,722.1
113.97	142.45	233.37	156.92	12,567.0	m2	2,937.9	1,972.8	4,929.8	3,517.0	m2	934.8	556.6	1,391.4	4,359.0	m2	1,026.0	614.0	1,710.0	13,478.0	m2	3,172.3	2,114.9	5,287.2	33,951.0	m2	7,900.9	5,327.4	13,318.4
85.16	136.78	225.68	150.46	12,567.0	m2	2,536.1	1,820.8	4,726.9	3,547.0	m2	820.5	533.7	1,314.1	4,359.0	m2	983.7	655.8	1,639.6	13,478.0	m2	3,041.7	2,027.9	5,069.5	33,951.0	m2	7,681.9	5,103.2	12,770.1
40.13	26.73	44.14	29.43	12,567.0	m2	554.7	369.8	924.5	3,547.0	m2	156.6	104.4	260.9	4,359.0	m2	192.4	128.3	328.7	13,478.0	m2	395.0	396.6	991.5	33,951.0	m2	1,458.7	999.0	2,457.7
800.00	4,800.00	7,920.00	5,280.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
112.80	415.20	744.08	522.72	1,356.0	m	1,043.2	709.8	1,732.0	287.0	m	225.9	150.0	375.1	403.0	m	316.0	210.7	526.6	1,050.0	m	823.3	518.9	1,372.1	3,096.0	m	2,427.5	1,618.3	4,045.9
143.10	228.73	377.41	251.61	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
						9,793.2	6,528.9	16,322.0			2,689.0	1,722.7	4,411.7			3,244.1	2,229.4	5,533.5			10,186.1	6,790.8	16,976.9			26,012.3	17,341.8	43,354.1
0.00	0.00			0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0
0.00	0.00			0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0	1.0	Nox	4,922.0	4,922.0	9,844.0	1.0	Nox	4,922.0	4,922.0	9,844.0
0.00	0.00			0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0
0.00	0.00			0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0
0.00	0.00			0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0
0.00	0.00			0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0
0.00	0.00			0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0	0.0	Nox	0.0	0.0	0.0
000.00	1,320,000.00	1,518,000.00	1,518,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
000.00	580,000.00	621,000.00	621,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
500.00	454,500.00	522,675.00	522,675.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
000.00	375,000.00	431,250.00	431,250.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
000.00	225,000.00	258,750.00	258,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
000.00	120,000.00	138,000.00	138,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
000.00	45,000.00	51,750.00	51,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
				0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0	0.0		0.0	0.0	0.0
750.00	18,750.00	21,562.50	21,562.50	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
500.00	10,500.00	12,075.00	12,075.00	1,356.0	m	16,373.7	16,373.7	32,747.4	287.0	m	3,465.5	3,465.5	6,931.1	403.0	m	4,866.2	4,866.2	9,732.5	1,050.0	m	12,678.8	12,678.8	25,357.5	3,096.0	m	37,314.2	37,314.2	74,628.4
						16,373.7	16,373.7	32,747.4			3,465.5	3,465.5	6,931.1			4,866.2	4,866.2	9,732.5			12,678.8	12,678.8	25,357.5			37,314.2	37,314.2	74,628.4
				1.0	La	85.1	765.9	851.0	1.0	La	20.7	186.1	206.8	1.0	La	14.2	127.6	141.8	1.0	La	333.1	1,817.0	2,150.1	4.0	La	433.1	2,836.6	3,269.7
				1.0	La	28.4	255.3	283.7	1.0	La	6.9	62.0	68.9	1.0	La	4.7	42.5	47.3	1.0	La	111.0	605.7	716.7	4.0	La	151.0	965.5	1,116.6
721.00	369.00	703.10	339.90	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
000.00	135,000.00	346,500.00	144,500.00	18.0	Nox	6,237.0	2,673.0	8,910.0	5.0	Nox	1,732.5	742.5	2,475.0	6.0	Nox	2,079.0	891.0	2,970.0	15.0	Nox	5,197.5	2,272.5	7,470.0	44.0	Nox	15,246.0	6,534.0	21,780.0
800.00	1,200.00	3,083.00	1,320.00	2,712.0	m	8,333.0	3,579.8	11,912.8	574.0	m	1,767.9	757.7	2,525.6	806.0	m	2,482.5	1,063.9	3,546.4	2,100.0	m	6,468.0	2,772.0	9,240.0	6,192.0	m	19,071.4	8,173.4	27,244.8
367.50	157.50	401.25	173.25	2,712.0	m	1,096.3	469.9	1,566.2	574.0	m	232.0	99.4	331.5	806.0	m	325.8	139.6	465.5	2,100.0	m	818.9	363.8	1,212.8	6,192.0	m	2,503.1	1,072.8	3,575.9
800.00	1,200.00	3,083.00	1,320.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
000.00	1,800,000.00	4,620,000.00	1,980,000.00	2.0	Nox	9,240.0	3,960.0	13,200.0	2.0	Nox	9,240.0	3,960.0	13,200.0	2.0	Nox	9,240.0	3,960.0	13,200.0	0.0	Nox	0.0	0.0	0.0	6.0	Nox	27,720.0	11,880.0	39,600.0
						25,039.7	11,703.9	36,743.6			13,000.0	5,807.8	18,807.8			14,146.2	6,224.7	20,370.9			12,958.6	7,786.0	20,744.6			65,144.6	31,522.3	96,666.9
						56,043.2	60,335.4	116,378.5			19,843.8	17,269.3	37,113.1			22,829.0	17,573.3	40,402.4			46,928.2	87,822.5	134,750.7			143,644.2	182,800.4	326,444.7

Tab.A.2.5.COST BREAKDOWN FOR INTERCHANGE & JUNCTION (PART 3: OUTER CIRCULAR HIGHWAY)

(*) For the purpose of preparation of ENGINEER'S ESTIMATES, the following Basic Unit Prices should be added with **10.0 %** for road works as overhead.
15.0 % for bridge works as overhead.

Items	No.	Description	Unit	Unit Price		Unit Price-2(*)		CKE JCT1					Part 3												
				F/C	L/C	F/C	L/C	Quantities		F/C	L/C	Cost	CKE JCT2			A3 IC									
								Quantities	Unit				F/C	L/C	Cost	Quantities	Unit	F/C	L/C	Cost	Quantities	Unit	F/C	L/C	Cost
I	Earth Works	1	CUTTING	m3	14.06	126.00	15.40	138.60	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0	0.0	
		2	EMBANKMENT-1	m3	8.50	76.46	9.77	84.10	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0	0.0	
		3	EMBANKMENT-2	m3	26.81	241.29	29.49	265.42	143,163.0	m3	4,222.0	37,997.6	42,219.6	276,450.0	m3	8,152.7	73,374.0	81,526.7	58,364.0	m3	1,721.2	15,493.7	17,214.9	17,211.9	
		4	EMBANKMENT-3	m3	7.17	64.53	7.89	70.98	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0	0.0	
		5	FOUNDATION STABILIZER	m3	50.00	450.00	55.00	495.00	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0	0.0	
		6	SLOPE PROTECTION	m2	5.21	46.89	5.73	51.58	36,619.0	m2	709.9	1,888.8	2,098.6	23,254.0	m2	133.3	1,199.4	1,332.7	6,877.0	m2	39.4	354.7	394.1	394.1	
		7	RETAINING WALL	m	1,280.00	11,520.00	1,408.00	12,672.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	510.0	m	760.3	6,842.9	7,603.2	7,603.2	
			SUB TOTAL (Earth works)									4,431.8	39,886.4	44,318.2			8,285.9	74,573.4	82,859.3			2,520.9	22,688.3	25,209.2	25,209.2
II	Road Works	1	WEARING COURSE	m2	172.26	114.84	189.49	126.32	19,937.0	m2	3,777.8	2,518.5	6,296.3	14,697.0	m2	2,784.9	1,856.6	4,641.5	7,688.0	m2	1,456.8	971.2	2,427.9	2,427.9	
		2	BINDER COURSE	m2	213.97	142.65	235.37	156.92	19,937.0	m2	4,692.5	3,128.4	7,820.9	14,697.0	m2	3,459.2	2,306.2	5,765.4	7,688.0	m2	1,809.5	1,206.4	3,015.9	3,015.9	
		3	BASE COURSE	m2	205.16	136.78	225.68	150.46	19,937.0	m2	4,499.3	2,999.7	7,499.0	14,697.0	m2	3,316.8	2,211.3	5,528.0	7,688.0	m2	1,735.0	1,156.7	2,891.7	2,891.7	
		4	SUBBASE COURSE	m2	40.13	26.75	44.14	29.43	19,937.0	m2	880.1	586.6	1,466.7	14,697.0	m2	648.8	432.5	1,081.2	7,688.0	m2	339.4	226.2	565.6	565.6	
		5	CENTER MEDIAN	m	7,200.00	4,800.00	7,920.00	5,280.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	
		6	KERB	m	712.80	475.20	784.08	522.72	1,166.0	m	914.2	609.5	1,523.7	1,182.0	m	926.8	617.9	1,544.6	782.0	m	613.2	408.8	1,021.9	1,021.9	
		7	FRONTAGE ROAD	m2	343.10	228.73	377.41	251.61	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	
			SUB TOTAL (Road Works)									14,763.9	9,842.8	24,606.7			11,136.4	7,424.4	18,560.7			5,933.8	3,969.2	9,923.0	9,923.0
III	(a) Bridge Works	1	LENGTH > 50m	Nos.				0.0	Nos.	0.0	0.0	0.0	2.0	Nos.	24,084.5	24,084.5	48,169.0	0.0	Nos.	0.0	0.0	0.0	0.0		
		2	LENGTH < 50m	Nos.				0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0		
		(b) Viaduct Works	3	LENGTH > 50m	Nos.				0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	
			4	LENGTH < 50m	Nos.				1.0	Nos.	26,488.0	26,488.0	52,976.0	0.0	Nos.	0.0	0.0	0.0	1.0	Nos.	10,796.5	10,796.5	21,593.0	21,593.0	
			SUB TOTAL (Bridge)								26,488.0	26,488.0	52,976.0			24,084.5	24,084.5	48,169.0			10,796.5	10,796.5	21,593.0	21,593.0	
IV	Underpass Works (Box Culvert)	1	UCX 6.0x5.5 m (A=88m2)	m	1,320,000.00	1,320,000.00	1,518,000.00	1,518,000.00	0.0	m	0.0	0.0	0.0	30.0	m	45,540.0	45,540.0	91,080.0	0.0	m	0.0	0.0	0.0	0.0	
		2	UCX 6.0x6.0 m (A=36m2)	m	540,000.00	540,000.00	621,000.00	621,000.00	35.0	m	21,735.0	21,735.0	43,470.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	
		3	UCX 5.5x5.5 m (A=30.3m2)	m	454,500.00	454,500.00	522,675.00	522,675.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	
		4	UCX 5.0x5.0 m (A=25m2)	m	375,000.00	375,000.00	431,250.00	431,250.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	
		5	UCX 5.0x3.0 m (A=15m2)	m	225,000.00	225,000.00	258,750.00	258,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	
		6	UCX 4.0x2.0 m (A=8m2)	m	120,000.00	120,000.00	138,000.00	138,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	
		7	UCX 6.0x0.5 m (A=3m2)	m	45,000.00	45,000.00	51,750.00	51,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	
			SUB TOTAL (Underpass)								21,735.0	21,735.0	43,470.0			45,540.0	45,540.0	91,080.0			0.0	0.0	0.0	0.0	0.0
V	Drainage Works	1	PCI 1500 mm	m	18,750.00	18,750.00	21,562.50	21,562.50	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	
		2	ROAD SURFACE DRAINAGE	m	10,500.00	10,500.00	12,075.00	12,075.00	1,166.0	m	14,079.5	14,079.5	28,158.9	1,182.0	m	14,272.7	14,272.7	28,545.3	782.0	m	9,442.7	9,442.7	18,885.3	18,885.3	
			SUB TOTAL (Drainage)								0.0	14,079.5	28,158.9			14,272.7	14,272.7	28,545.3			9,442.7	9,442.7	18,885.3	18,885.3	
		1	TEMPORARY ROAD	Ls.				1.0	Ls.	927.6	1,991.2	2,918.8	1.0	Ls.	971.1	2,959.7	3,930.9	1.0	Ls.	376.7	799.3	1,176.0	1,176.0		
		2	TEMPORARY CONSTRUCTION FACILITY	Ls.				1.0	Ls.	309.2	663.7	972.9	1.0	Ls.	323.7	986.6	1,310.3	1.0	Ls.	125.6	266.4	392.0	392.0		
		3	TRAFFIC SIGN BOARD	m	721.00	309.00	793.10	339.90	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	
															2,376.0	7,920.0			3,811.5	1,633.5	5,445.0	5,445.0			

Tab.A.2.5.COST BREAKDOWN FOR INTERCHANGE & JUNCTION (PART 3: OUTER CIRCULAR HIGHWAY)

Basic Unit Prices should be added with **10.0** % for road works as overhead.
15.0 % for bridge works as overhead.

Unit Price-2(*) (Including Overhead)		CKE JCT1					Part 3					Total Interchange Construction Cost					Remarks				
F/C	L/C	Quantities		F/C	L/C	Cost	CKE JCT2		AJIC			Quantities		F/C	L/C	Cost					
(Rs)	(Rs)	unit	(x10 ^{^3} Rs)	(x10 ^{^3} Rs)	(x10 ^{^3} Rs)	unit	(x10 ^{^3} Rs)	(x10 ^{^3} Rs)	(x10 ^{^3} Rs)	unit	(x10 ^{^3} Rs)	(x10 ^{^3} Rs)	(x10 ^{^3} Rs)	unit	(x10 ^{^3} Rs)	(x10 ^{^3} Rs)		(x10 ^{^3} Rs)			
15.40	138.60	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0	0.0	0.0	0.0		
9.77	84.10	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0	0.0	0.0	0.0		
29.49	263.42	143,163.0	m3	4,222.0	37,997.6	42,219.6	276,450.0	m3	8,152.7	73,374.0	81,526.7	58,364.0	m3	1,721.2	15,490.7	17,211.9	334,814.0	m3	9,873.9	88,864.7	98,738.5
7.89	70.58	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
55.00	495.00	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	
5.73	51.58	36,619.0	m2	209.9	1,888.8	2,098.6	23,254.0	m2	133.3	1,199.4	1,332.7	6,877.0	m2	39.4	354.7	394.1	30,131.0	m2	172.7	1,554.1	1,726.8
1,408.00	12,672.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	540.0	m	760.3	6,842.9	7,603.2	540.0	m	760.3	6,842.9	7,603.2
				4,431.8	39,886.4	44,318.2			8,285.9	74,573.4	82,859.3			2,520.9	22,688.3	25,209.2			10,806.9	97,261.7	108,068.5
189.49	126.32	19,937.0	m2	3,777.8	2,518.5	6,296.3	14,697.0	m2	2,784.9	1,856.6	4,641.5	7,688.0	m2	1,456.8	971.2	2,427.9	22,385.0	m2	4,241.6	2,827.8	7,069.4
235.37	156.92	19,937.0	m2	4,692.5	3,128.4	7,820.9	14,697.0	m2	3,459.2	2,306.2	5,765.4	7,688.0	m2	1,809.5	1,206.4	3,015.9	22,385.0	m2	5,268.7	3,512.5	8,781.2
225.68	150.45	19,937.0	m2	4,499.3	2,999.7	7,499.0	14,697.0	m2	3,316.8	2,211.3	5,528.0	7,688.0	m2	1,735.0	1,156.7	2,891.7	22,385.0	m2	5,031.8	3,368.0	8,419.8
44.14	29.43	19,937.0	m2	880.1	586.6	1,466.7	14,697.0	m2	648.8	432.5	1,081.2	7,688.0	m2	339.4	225.2	565.6	22,385.0	m2	988.1	658.7	1,646.8
7,920.00	5,280.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
784.08	522.72	1,166.0	m	914.2	609.5	1,523.7	1,182.0	m	926.8	617.9	1,544.6	782.0	m	613.2	408.8	1,021.9	1,964.0	m	1,539.9	1,026.6	2,566.6
377.41	251.61	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
				14,763.9	9,942.8	24,666.7			11,136.4	7,424.4	18,560.7			5,933.8	3,969.2	9,923.0			17,090.2	11,393.6	28,483.8
		0.0	Nos.	0.0	0.0	0.0	2.0	Nos.	24,084.5	24,084.5	48,169.0	0.0	Nos.	0.0	0.0	0.0	2.0	Nos.	24,084.5	24,084.5	48,169.0
		0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0
		0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0
		1.0	Nos.	26,488.0	26,488.0	52,976.0	0.0	Nos.	0.0	0.0	0.0	1.0	Nos.	10,796.5	10,796.5	21,593.0	1.0	Nos.	10,796.5	10,796.5	21,593.0
				26,488.0	26,488.0	52,976.0			24,084.5	24,084.5	48,169.0			10,796.5	10,796.5	21,593.0			34,881.0	34,881.0	69,762.0
1,518,000.00	1,518,000.00	0.0	m	0.0	0.0	0.0	30.0	m	45,540.0	45,540.0	91,080.0	0.0	m	0.0	0.0	0.0	30.0	m	45,540.0	45,540.0	91,080.0
621,000.00	621,000.00	35.0	m	21,735.0	21,735.0	43,470.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
522,675.00	522,675.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
431,250.00	431,250.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
258,750.00	258,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
138,000.00	138,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
51,750.00	51,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
				21,735.0	21,735.0	43,470.0			45,540.0	45,540.0	91,080.0			0.0	0.0	0.0			45,540.0	45,540.0	91,080.0
21,562.50	21,562.50	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
12,075.00	12,075.00	1,166.0	m	14,079.5	14,079.5	28,158.9	1,182.0	m	14,272.7	14,272.7	28,545.3	782.0	m	9,442.7	9,442.7	18,885.3	1,964.0	m	23,715.3	23,715.3	47,430.6
				0.0	14,079.5	28,158.9			14,272.7	14,272.7	28,545.3			9,442.7	9,442.7	18,885.3			23,715.3	23,715.3	47,430.6
		1.0	La.	927.6	1,991.2	2,918.8	1.0	La.	971.1	2,959.7	3,930.9	1.0	La.	376.7	799.3	1,176.0	2.0	La.	1,347.8	3,759.0	5,106.8
		1.0	La.	309.2	663.7	972.9	1.0	La.	323.7	986.6	1,310.3	1.0	La.	125.6	266.4	392.0	2.0	La.	449.3	1,253.0	1,702.3
793.10	339.90	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
346,500.00	148,500.00	15.0	Nos.	5,197.5	2,227.5	7,425.0	16.0	Nos.	5,544.0	2,376.0	7,920.0	11.0	Nos.	3,811.5	1,633.5	5,445.0	27.0	Nos.	9,355.5	4,099.5	13,455.0

		0	SOIL PROTECTION	m2	521	4689	573	5158	36,619.0	m2	209.9	1,888.8	2,098.6	23,254.0	m2	133.3	1,199.4	1,332.7	6,877.0	m2	39.4	351.7	1	
		7	RETAINING WALL	m	1,280.00	11,520.00	1,408.00	12,672.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	540.0	m	760.3	6,842.9	7.6	
			SUB TOTAL (Earth works)								4,431.8	39,885.4	44,318.2		8,283.9	74,573.4	82,859.3			2,520.9	22,688.3	25.1		
ii	Road Works	1	WEARING COURSE	m2	172.26	114.84	189.49	126.32	19,937.0	m2	3,777.8	2,518.5	6,296.3	14,697.0	m2	2,784.9	1,856.6	4,641.5	7,688.0	m2	1,456.8	971.2	2.4	
		2	BINDER COURSE	m2	213.97	142.65	235.37	156.92	19,937.0	m2	4,692.5	3,128.4	7,820.9	14,697.0	m2	3,459.2	2,306.2	5,765.4	7,688.0	m2	1,809.5	1,206.4	3.0	
		3	BASE COURSE	m2	205.16	136.78	225.68	150.46	19,937.0	m2	4,499.3	2,999.7	7,499.0	14,697.0	m2	3,316.8	2,211.3	5,528.0	7,688.0	m2	1,735.0	1,156.7	2.8	
		4	SUBBASE COURSE	m2	40.13	26.75	44.14	29.43	19,937.0	m2	890.1	586.6	1,466.7	14,697.0	m2	648.8	432.5	1,081.2	7,688.0	m2	339.4	226.2	5	
		5	CENTRE MEDIAN	m	7,200.00	4,800.00	7,920.00	5,280.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0
		6	KERB	m	712.80	475.20	784.68	522.72	1,166.0	m	914.2	609.5	1,523.7	1,182.0	m	926.8	617.9	1,544.6	782.0	m	613.2	408.8	1.0	
		7	FRONTAGE ROAD	m2	343.10	228.73	377.41	251.61	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0
					SUB TOTAL (Road Works)								14,763.9	9,842.8	24,605.7		11,136.4	7,424.4	18,560.7			5,933.8	3,969.2	9.9
iii	(a) Bridge Works	1	LENGTH > 50m	Nos.					0.0	Nos.	0.0	0.0	0.0	2.0	Nos.	24,084.5	24,084.5	48,169.0	0.0	Nos.	0.0	0.0		
		2	LENGTH < 50m	Nos.					0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0		
	(b) Viaduct Works	3	LENGTH > 50m	Nos.					0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0		
		4	LENGTH < 50m	Nos.					1.0	Nos.	26,488.0	26,488.0	52,976.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	10,796.5	10,796.5	21.55	
			SUB TOTAL (Bridge)								26,488.0	26,488.0	52,976.0		24,084.5	24,084.5	48,169.0			10,796.5	10,796.5	21.55		
iv	Underpass Works (Box Culvert)	1	UCX16.0x5.5 m (A=88m2)	m	1,320,000.00	1,320,000.00	1,518,000.00	1,518,000.00	0.0	m	0.0	0.0	0.0	30.0	m	45,540.0	45,540.0	91,080.0	0.0	m	0.0	0.0		
		2	UCX6.0x6.0 m (A=36m2)	m	540,000.00	540,000.00	621,000.00	621,000.00	35.0	m	21,735.0	21,735.0	43,470.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0		
		3	UCX5.5x5.5 m (A=30.3m2)	m	454,500.00	454,500.00	522,675.00	522,675.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0		
		4	UCX5.0x5.0 m (A=25m2)	m	375,000.00	375,000.00	431,250.00	431,250.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0		
		5	UCX5.0x3.0 m (A=15m2)	m	225,000.00	225,000.00	258,750.00	258,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0		
		6	UCX4.0x2.0 m (A=8m2)	m	120,000.00	120,000.00	138,000.00	138,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0		
		7	UCX6.0x0.5 m (A=3m2)	m	45,000.00	45,000.00	51,750.00	51,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0		
					SUB TOTAL (Underpass)								21,735.0	21,735.0	43,470.0		45,540.0	45,540.0	91,080.0			0.0	0.0	
v	Drainage Works	1	PC1500mm	m	18,750.00	18,750.00	21,562.50	21,562.50	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0		
		2	ROAD SURFACE DRAINAGE	m	10,500.00	10,500.00	12,075.00	12,075.00	1,166.0	m	14,079.5	14,079.5	28,158.9	1,182.0	m	14,272.7	14,272.7	28,545.3	782.0	m	9,442.7	9,442.7	18.88	
			SUB TOTAL (Drainage)									0.0	14,079.5	28,158.9		14,272.7	14,272.7	28,545.3			9,442.7	9,442.7	18.88	
vi	Miscellaneous	1	TEMPORARY ROAD	La.					1.0	La.	927.6	1,991.2	2,918.8	1.0	La.	971.1	2,939.7	3,930.9	1.0	La.	376.7	799.3	1,177	
		2	TEMPORARY CONSTRUCTION FACILITY	La.					1.0	La.	309.2	663.7	972.9	1.0	La.	323.7	986.6	1,310.3	1.0	La.	125.6	266.4	39	
		3	TRAFFIC SIGN BOARD	m	721.00	309.00	793.10	339.90	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0		
		4	TRAFFIC ILLUMINATION	Nos.	315,000.00	135,000.00	346,500.00	148,500.00	15.0	Nos.	5,197.5	2,227.5	7,425.0	16.0	Nos.	5,544.0	2,376.0	7,920.0	11.0	Nos.	3,811.5	1,633.5	5.44	
		5	ACCESS CONTROL FACILITY (GUARD RAIL)	m	2,800.00	1,200.00	3,080.00	1,320.00	2,365.0	m	7,284.2	3,121.8	10,406.0	2,331.0	m	7,179.5	3,076.9	10,256.4	1,564.0	m	4,817.1	2,064.5	6.88	
		6	LANE MARKING	m	367.50	157.50	401.25	173.25	2,365.0	m	956.1	409.7	1,365.8	2,331.0	m	942.3	403.8	1,346.2	1,564.0	m	632.2	271.0	90	
		7	FENCING & km POST	m	2,800.00	1,200.00	3,080.00	1,320.00	0.9	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0		
		8	TRAFFIC SIGNAL	Nos.	4,200,000.00	1,800,000.00	4,620,000.00	1,980,000.00	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0		
					SUB TOTAL (Miscellaneous)								14,674.5	8,414.0	23,088.6		14,960.6	9,803.1	24,763.7			9,763.2	5,034.6	14,797
TOTAL CONSTRUCTION COST											82,093.3	120,445.6	216,618.3		118,280.1	175,698.0	293,978.1			38,477.0	51,931.3	90,408		

0	1,468.00	12,672.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	540.0	m	760.3	6,842.9	7,603.2	540.0	m	760.3	6,842.9	7,603.2
					4,431.8	39,886.4	44,318.2			8,285.9	74,573.4	82,859.3			2,520.9	22,685.3	25,209.2			10,806.9	97,261.7	108,068.5
1	189.49	126.32	19,937.0	m2	3,777.8	2,518.5	6,296.3	14,697.0	m2	2,784.9	1,856.6	4,641.5	7,688.0	m2	1,456.8	971.2	2,427.9	22,385.0	m2	4,241.6	2,827.8	7,069.4
5	235.37	156.92	19,937.0	m2	4,692.5	3,128.4	7,820.9	14,697.0	m2	3,459.2	2,306.2	5,765.4	7,688.0	m2	1,809.5	1,206.4	3,015.9	22,385.0	m2	5,268.7	3,512.5	8,781.2
8	225.68	150.46	19,937.0	m2	4,499.3	2,999.7	7,499.0	14,697.0	m2	3,316.8	2,211.3	5,528.0	7,688.0	m2	1,733.0	1,156.7	2,891.7	22,385.0	m2	5,051.8	3,368.0	8,419.8
5	44.14	29.43	19,937.0	m2	880.1	586.6	1,466.7	14,697.0	m2	648.8	432.5	1,081.2	7,688.0	m2	339.4	226.2	565.6	22,385.0	m2	988.1	658.7	1,646.8
0	7,920.00	5,280.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
0	784.08	522.72	1,166.0	m	914.2	609.5	1,523.7	1,182.0	m	926.8	617.9	1,544.6	782.0	m	613.2	408.8	1,021.9	1,964.0	m	1,539.9	1,026.6	2,566.6
3	377.41	251.61	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
					14,763.9	9,842.8	24,606.7			11,136.4	7,424.4	18,560.7			5,933.8	3,969.2	9,923.0			17,090.2	11,393.6	28,483.8
			0.0	Nos.	0.0	0.0	0.0	2.0	Nos.	24,084.5	24,084.5	48,169.0	0.0	Nos.	0.0	0.0	0.0	2.0	Nos.	24,084.5	24,084.5	48,169.0
			0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0
			0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0
			1.0	Nos.	26,488.0	26,488.0	52,976.0	0.0	Nos.	0.0	0.0	0.0	1.0	Nos.	10,796.5	10,796.5	21,593.0	0.0	Nos.	10,796.5	10,796.5	21,593.0
					26,488.0	26,488.0	52,976.0			24,084.5	24,084.5	48,169.0			10,796.5	10,796.5	21,593.0			34,881.0	34,881.0	69,762.0
0	1,518,000.00	1,518,000.00	0.0	m	0.0	0.0	0.0	30.0	m	45,540.0	45,540.0	91,080.0	0.0	m	0.0	0.0	0.0	30.0	m	45,540.0	45,540.0	91,080.0
0	621,000.00	621,000.00	35.0	m	21,735.0	21,735.0	43,470.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
0	522,675.00	522,675.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
0	431,250.00	431,250.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
0	258,750.00	258,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
0	138,000.00	138,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
0	51,750.00	51,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
					21,735.0	21,735.0	43,470.0			45,540.0	45,540.0	91,080.0			0.0	0.0	0.0			45,540.0	45,540.0	91,080.0
0	21,562.50	21,562.50	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
0	12,075.00	12,075.00	1,166.0	m	14,079.5	14,079.5	28,158.9	1,182.0	m	14,272.7	14,272.7	28,545.3	782.0	m	9,442.7	9,442.7	18,885.3	1,964.0	m	23,715.3	23,715.3	47,430.6
					0.0	14,079.5	28,158.9			14,272.7	14,272.7	28,545.3			9,442.7	9,442.7	18,885.3			23,715.3	23,715.3	47,430.6
			1.0	La.	927.6	1,991.2	2,918.8	1.0	La.	971.1	2,959.7	3,930.9	1.0	La.	376.7	799.3	1,176.0	2.0	La.	1,347.8	3,759.0	5,106.8
			1.0	La.	309.2	663.7	972.9	1.0	La.	323.7	986.6	1,310.3	1.0	La.	125.6	266.4	392.0	2.0	La.	419.3	1,253.0	1,702.3
			0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
0	346,500.00	148,500.00	15.0	Nos.	5,197.5	2,227.5	7,425.0	16.0	Nos.	5,544.0	2,376.0	7,920.0	11.0	Nos.	3,811.5	1,633.5	5,445.0	27.0	Nos.	9,355.5	4,009.5	13,365.0
0	3,080.00	1,320.00	2,365.0	m	7,284.2	3,121.8	10,406.0	2,331.0	m	7,179.5	3,076.9	10,256.4	1,564.0	m	4,817.1	2,064.5	6,881.6	3,895.0	m	11,996.6	5,141.4	17,138.0
0	404.25	173.25	2,365.0	m	956.1	409.7	1,365.8	2,331.0	m	942.3	403.8	1,346.2	1,564.0	m	632.2	271.0	903.2	3,895.0	m	1,574.6	674.8	2,249.4
0	3,080.00	1,320.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0
0	4,620,000.00	1,980,000.00	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0
					14,674.5	8,414.0	23,088.6			14,960.6	9,803.1	24,763.7			9,763.2	5,034.6	14,797.8			24,723.8	14,837.7	39,561.5
					82,093.3	120,445.6	216,618.3			118,280.1	175,698.0	293,978.1			38,477.0	51,931.3	90,408.3			156,757.1	227,629.3	384,386.4

Tab.A.2.6 COST BREAKDOWN FOR INTERCHANGE & JUNCTION (PART 4: OUTER CIRCULAR HIGHWAY)

(*) For the purpose of preparation of ENGINEER'S ESTIMATES, the following Basic Unit Prices should be added with 10.0 % for road works as overhead.
15.0 % for bridge works as overhead.

Items	No.	Description	Unit	Unit Price		Unit Price-2(*)		SH JCT					A2 IC					Part 4							
				(Including Overhead)		(Including Overhead)		Quantities			F/C		L/C		Cost			Quantities		F/C		L/C		Cost	
				F/C	L/C	F/C	L/C	Quantities	F/C	L/C	Cost	Quantities	F/C	L/C	Cost	Quantities	F/C	L/C	Cost						
				(Rs)	(Rs)	(Rs)	(Rs)	unit	(x10 ^3 Rs)	(x10 ^3 Rs)	(x10 ^3 Rs)	unit	(x10 ^3 Rs)	(x10 ^3 Rs)	(x10 ^3 Rs)	unit	(x10 ^3 Rs)	(x10 ^3 Rs)	(x10 ^3 Rs)						
i	Earth Works	1	CUTTING	m3	14.00	126.00	15.40	138.60	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0							
		2	EMBANKMENT-1	m3	8.50	76.45	9.27	81.10	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0							
		3	EMBANKMENT-2	m3	26.81	241.29	29.49	265.42	129,063.0	m3	3,806.1	34,255.3	38,061.4	0.0	m3	0.0	0.0	0.0							
		4	EMBANKMENT-3	m3	7.17	64.53	7.89	70.98	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0							
		5	FOUNDATION STABILIZER	m3	50.00	450.00	55.00	495.00	0.0	m3	0.0	0.0	0.0	0.0	m3	0.0	0.0	0.0							
		6	SLOPE PROTECTION	m2	5.21	46.89	5.73	51.58	29,952.0	m2	171.7	1,544.9	1,716.5	0.0	m2	0.0	0.0	0.0							
		7	RETAINING WALL	m	810.00	7,290.00	891.00	8,019.00	60.0	m	53.5	481.1	534.6	0.0	m	0.0	0.0	0.0							
			SUB TOTAL (Earth works)								4,031.3	36,281.3	40,312.6			0.0	0.0	0.0							
ii	Road Works	1	WEARING COURSE	m2	172.26	114.84	189.49	126.32	18,995.0	m2	3,599.3	2,399.5	5,998.8	24,200.0	m2	4,585.6	3,057.0	7,642.6							
		2	BINDER COURSE	m2	213.97	142.65	235.37	156.92	18,995.0	m2	4,470.8	2,980.6	7,451.4	24,200.0	m2	5,695.9	3,797.3	9,493.2							
		3	BASE COURSE	m2	205.16	136.78	225.68	150.46	18,995.0	m2	4,286.7	2,857.9	7,144.7	24,200.0	m2	5,461.4	3,641.1	9,102.4							
		4	SUBBASE COURSE	m2	40.13	26.75	44.14	29.43	18,995.0	m2	838.5	558.9	1,397.4	24,200.0	m2	1,068.3	712.1	1,780.3							
		5	CENTER MEDIAN	m	7,200.00	4,800.00	7,920.00	5,280.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0							
		6	KERB	m	712.80	475.20	781.08	522.72	2,061.0	m	1,616.0	1,077.3	2,693.3	0.0	m	0.0	0.0	0.0							
		7	FRONTAGE ROAD	m2	343.10	228.73	377.41	251.61	0.0	m2	0.0	0.0	0.0	0.0	m2	0.0	0.0	0.0							
			SUB TOTAL (Road Works)								14,811.3	9,874.3	24,685.6			16,811.1	11,207.6	28,018.6							
iii	(a) Bridge Works	1	LENGTH>50m	Nos.					Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0								
		2	LENGTH<50m	Nos.					Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0								
	(b) Viaduct Works	3	LENGTH>50m	Nos.					1.0	Nos.	23,173.5	23,173.5	46,347.0	0.0	Nos.	0.0	0.0	0.0							
		4	LENGTH<50m	Nos.					1.0	Nos.	13,483.5	13,483.5	26,967.0	0.0	Nos.	0.0	0.0	0.0							
		SUB TOTAL (Bridge)								36,659.0	36,659.0	73,318.0			0.0	0.0	0.0								
iv	Underpass Works(Box Culvert)	1	UCX16.0x5.5 m (A=88m2)	m	1,320,000.00	1,320,000.00	1,518,000.00	1,518,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0							
		2	UCX6.0x6.0 m (A=36m2)	m	540,000.00	540,000.00	621,000.00	621,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0							
		3	UCX5.5x5.5 m (A=30.3m2)	m	454,500.00	454,500.00	522,675.00	522,675.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0							
		4	UCX5.0x5.0 m (A=25m2)	m	375,000.00	375,000.00	431,250.00	431,250.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0							
		5	UCX5.0x3.0 m (A=15m2)	m	225,000.00	225,000.00	258,750.00	258,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0							
		6	UCX4.0x2.0 m (A=8m2)	m	120,000.00	120,000.00	138,000.00	138,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0							
		7	UCX6.0x0.5 m (A=3m2)	m	45,000.00	45,000.00	51,750.00	51,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0							
			SUB TOTAL (Underpass)								0.0	0.0	0.0			0.0	0.0	0.0							
v	Drainage Works	1	FC1500 mm	m	18,750.00	18,750.00	21,562.50	21,562.50	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0							
		2	ROAD SURFACE DRAINAGE	m	10,500.00	10,500.00	12,075.00	12,075.00	2,061.0	m	24,886.6	24,886.6	49,773.2	0.0	m	0.0	0.0	0.0							
			SUB TOTAL (Drainage)								24,886.6	24,886.6	49,773.2			0.0	0.0	0.0							
		1	TEMPORARY ROAD	Ls.					1.0	Ls.	1,219.1	2,173.8	3,392.9	1.0	Ls.	0.0	0.0	0.0							
		2	TEMPORARY CONSTRUCTION FACILITY	Ls.					1.0	Ls.	406.4	724.6	1,131.0	1.0	Ls.	0.0	0.0	0.0							
		3	TRAFFIC SIGN BOARD	m	721.00	309.00	793.10	339.90	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0							

Tab.A.2.6 COST BREAKDOWN FOR INTERCHANGE & JUNCTION (PART 4: OUTER CIRCULAR HIGHWAY)

be added with 10.0 % for road works as overhead.
15.0 % for bridge works as overhead.

Part 4										Total Interchange Construction Cost				Remarks		
SH JCT				A2 IC								Total Interchange Construction Cost				
Quantities	F/C	L/C	Cost	Quantities	F/C	L/C	Cost	Quantities	F/C	L/C	Cost	Quantities	F/C		L/C	Cost
unit	(x10 ³ Rs)	(x10 ³ Rs)	(x10 ³ Rs)	unit	(x10 ³ Rs)	(x10 ³ Rs)	(x10 ³ Rs)	unit	(x10 ³ Rs)	(x10 ³ Rs)	(x10 ³ Rs)	unit	(x10 ³ Rs)	(x10 ³ Rs)	(x10 ³ Rs)	
0.0	m3	0.0	0.0	0.0	m3	0.0	0.0	0.0				0.0	m3	0.0	0.0	0.0
0.0	m3	0.0	0.0	0.0	m3	0.0	0.0	0.0				0.0	m3	0.0	0.0	0.0
129,063.0	m3	3,806.1	34,255.3	38,061.4	0.0	m3	0.0	0.0				129,063.0	m3	3,806.1	34,255.3	38,061.4
0.0	m3	0.0	0.0	0.0	m3	0.0	0.0	0.0				0.0	m3	0.0	0.0	0.0
0.0	m3	0.0	0.0	0.0	m3	0.0	0.0	0.0				0.0	m3	0.0	0.0	0.0
29,952.0	m2	171.7	1,544.9	1,716.5	0.0	m2	0.0	0.0				29,952.0	m2	171.7	1,544.9	1,716.5
60.0	m	53.5	481.1	534.6	0.0	m	0.0	0.0				60.0	m	53.5	481.1	534.6
		4,031.3	36,281.3	40,312.6			0.0	0.0						4,031.3	36,281.3	40,312.6
18,995.0	m2	3,599.3	2,399.5	5,998.8	24,200.0	m2	4,385.6	3,057.0	7,642.6			43,195.0	m2	8,184.8	5,456.6	13,641.4
18,995.0	m2	4,470.8	2,980.6	7,451.4	24,200.0	m2	5,695.9	3,797.3	9,493.2			43,195.0	m2	10,166.7	6,777.9	16,944.6
18,995.0	m2	4,286.7	2,857.9	7,144.7	24,200.0	m2	5,461.4	3,641.1	9,102.4			43,195.0	m2	9,748.1	6,499.0	16,247.1
18,995.0	m2	838.5	558.9	1,397.4	24,200.0	m2	1,068.3	712.1	1,780.3			43,195.0	m2	1,906.8	1,271.0	3,177.8
0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0			0.0	m	0.0	0.0	0.0
2,061.0	m	1,616.0	1,077.3	2,693.3	0.0	m	0.0	0.0	0.0			2,061.0	m	1,616.0	1,077.3	2,693.3
0.0	m2	0.0	0.0	0.0	0.0	m2	0.0	0.0	0.0			0.0	m2	0.0	0.0	0.0
		14,811.3	9,874.3	24,685.6			16,811.1	11,207.6	28,018.6					31,622.3	21,081.9	52,704.2
	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0			0.0	Nos.	0.0	0.0	0.0
	Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0			0.0	Nos.	0.0	0.0	0.0
1.0	Nos.	23,173.5	23,173.5	46,347.0	0.0	Nos.	0.0	0.0	0.0			1.0	Nos.	23,173.5	23,173.5	46,347.0
1.0	Nos.	13,485.5	13,485.5	26,971.0	0.0	Nos.	0.0	0.0	0.0			1.0	Nos.	13,485.5	13,485.5	26,971.0
		36,659.0	36,659.0	73,318.0			0.0	0.0	0.0					36,659.0	36,659.0	73,318.0
0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0			0.0	m	0.0	0.0	0.0
0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0			0.0	m	0.0	0.0	0.0
0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0			0.0	m	0.0	0.0	0.0
0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0			0.0	m	0.0	0.0	0.0
0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0			0.0	m	0.0	0.0	0.0
0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0			0.0	m	0.0	0.0	0.0
0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0			0.0	m	0.0	0.0	0.0
0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0			0.0	m	0.0	0.0	0.0
0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0			0.0	m	0.0	0.0	0.0
2,061.0	m	24,886.6	24,886.6	49,773.2	0.0	m	0.0	0.0	0.0			2,061.0	m	24,886.6	24,886.6	49,773.2
		24,886.6	24,886.6	49,773.2	0.0		0.0	0.0	0.0					24,886.6	24,886.6	49,773.2
1.0	Is.	1,219.1	2,173.8	3,392.9	1.0	Is.	0.0	0.0	0.0			1.0	Is.	1,219.1	2,173.8	3,392.9
1.0	Is.	406.4	724.6	1,131.0	1.0	Is.	0.0	0.0	0.0			1.0	Is.	406.4	724.6	1,131.0
0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0			0.0	m	0.0	0.0	0.0
28.0	Nos.	9,702.0	4,158.0	13,860.0	0.0	Nos.	0.0	0.0	0.0			28.0	Nos.	9,702.0	4,158.0	13,860.0
4,122.0	m	12,693.8	5,441.0	18,136.8	0.0	m	0.0	0.0	0.0			4,122.0	m	12,693.8	5,441.0	18,136.8
												4,122.0	m	1,666.3	714.1	2,380.5

150.46	18,995.0	m2	4,286.7	2,857.9	2,144.7	24,200.0	m2	5,461.4	3,641.1	9,102.4								43,195.0	m2	9,748.1	6,499.0	16,247.1	
29.43	18,995.0	m2	818.5	558.9	1,397.4	24,200.0	m2	1,068.3	712.1	1,780.3									43,195.0	m2	1,906.8	1,271.0	3,177.8
5,280.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0									0.0	m	0.0	0.0	0.0
522.72	2,061.0	m	1,616.0	1,077.3	2,693.3	0.0	m	0.0	0.0	0.0									2,061.0	m	1,616.0	1,077.3	2,693.3
251.61	0.0	m2	0.0	0.0	0.0	0.0	m2	0.0	0.0	0.0									0.0	m2	0.0	0.0	0.0
			14,811.3	9,874.3	24,685.6			16,811.1	11,207.6	28,018.6											31,622.3	21,081.9	52,704.2
		Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0									0.0	Nos.	0.0	0.0	0.0
		Nos.	0.0	0.0	0.0	0.0	Nos.	0.0	0.0	0.0									0.0	Nos.	0.0	0.0	0.0
	1.0	Nos.	23,173.5	23,173.5	46,347.0	0.0	Nos.	0.0	0.0	0.0									1.0	Nos.	23,173.5	23,173.5	46,347.0
	1.0	Nos.	13,485.5	13,485.5	26,971.0	0.0	Nos.	0.0	0.0	0.0									1.0	Nos.	13,485.5	13,485.5	26,971.0
			36,659.0	36,659.0	73,318.0			0.0	0.0	0.0											36,659.0	36,659.0	73,318.0
518,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0									0.0	m	0.0	0.0	0.0
521,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0									0.0	m	0.0	0.0	0.0
522,675.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0									0.0	m	0.0	0.0	0.0
631,250.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0									0.0	m	0.0	0.0	0.0
258,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0									0.0	m	0.0	0.0	0.0
138,000.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0									0.0	m	0.0	0.0	0.0
51,750.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0									0.0	m	0.0	0.0	0.0
			0.0	0.0	0.0			0.0	0.0	0.0											0.0	0.0	0.0
21,562.50	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0									0.0	m	0.0	0.0	0.0
12,075.00	2,061.0	m	24,886.6	24,886.6	49,773.2	0.0	m	0.0	0.0	0.0									2,061.0	m	24,886.6	24,886.6	49,773.2
			24,886.6	24,886.6	49,773.2	0.0		0.0	0.0	0.0											24,886.6	24,886.6	49,773.2
	1.0	Ex.	1,219.1	2,173.8	3,392.9	1.0	Ex.	0.0	0.0	0.0									2.0	Ex.	1,219.1	2,173.8	3,392.9
	1.0	Ex.	406.4	724.6	1,131.0	1.0	Ex.	0.0	0.0	0.0									2.0	Ex.	406.4	724.6	1,131.0
339.90	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0									0.0	m	0.0	0.0	0.0
148,500.00	28.0	Nos.	9,702.0	4,158.0	13,860.0	0.0	Nos.	0.0	0.0	0.0									28.0	Nos.	9,702.0	4,158.0	13,860.0
1,320.00	4,122.0	m	12,693.8	5,441.0	18,136.8	0.0	m	0.0	0.0	0.0									4,122.0	m	12,693.8	5,441.0	18,136.8
173.25	4,122.0	m	1,666.3	714.1	2,380.5	0.0	m	0.0	0.0	0.0									4,122.0	m	1,666.3	714.1	2,380.5
1,320.00	0.0	m	0.0	0.0	0.0	0.0	m	0.0	0.0	0.0									0.0	m	0.0	0.0	0.0
980,000.00	0.0	Nos.	0.0	0.0	0.0	1.0	Nos.	4,620.0	1,980.0	6,600.0									1.0	Nos.	4,620.0	1,980.0	6,600.0
			25,689.6	13,211.5	38,901.1			4,620.0	1,980.0	6,600.0											30,309.6	15,191.5	45,501.1
			106,077.7	120,912.7	226,990.4			21,431.1	13,187.6	34,618.6											127,508.7	134,100.3	261,609.0

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