Kolkata, India (South and Central Asia 1883 – 2014)

Urban Layout Metrics

Share of Built-up Area Occupied by Roads

Pre1883 1883-1931 1931-1961 1961-1990 1990-2014

(*)	ı	

1990 -

2014

10%

1961 -

1990

9%

Pre1883 1883-1931 1931-1961 1961-1990 1990-2014

Share of Built-up Area Occupied by Roads	1970	13 /0	1170	9 /0	10 /0			
Share of Built-up Area That Is Gridded	0%	3%	0%	3%	3%			
Share of Roads Less Than 4 Meters Wide	29%	31%	46%	58%	60%			
Share of Roads More Than 16 Meters Wide	12%	5%	3%	1%	2%			
Arterial Roads								
Total Area of Zone (km²)	28	13	211	398	989			
Total Length of Arterial Roads (km²)	72	15	124	190	794			
Density of All Arterial Roads (km/km²)	2.57	1.13	0.59	0.48	0.57			
Average Beeline Distance to All Arterial Roads (meters)	179	466	1151	1595	650			
Share of Area within Walking Distance of All Arterial Roads	96%	73%	49%	36%	62%			
Block Size, Plot Size, Intersection Density, and Walkability								
Share of Intersections that are 4-Way	19%	8%	7%	4%	4%			
Average Block Size (ha)	2.8	3.9	5.0	9.8	4.8			
4-Way Intersection Density (number per km ²)	24	8	8	4	6			
Walkability Ratio	1.4	1.7	1.8	1.6	1.6			
Average Plot Size in Informal Land Subdivisions					217			
Average Plot Size in Formal Land Subdivisions	141	263	318	351				
Stages in the Evolution of Residentia	al Layou	its						
Share of Built-up Area That Is Residential	62%	64%	61%	73%	67%			
Share of Residential Areas Not Laid Out Before Development	91%	91%	90%	96%	73%			
Share of Residential Areas Laid Out Before Development	9%	9%	10%	4%	27%			
Share of Residential Area in Informal Land Subdivisions	0%	0%	0%	0%	16%			
Share of Residential Area in Formal Land Subdivisions	9%	4%	5%	3%	3%			
Share of Residential Area in Housing Projects	1%	5%	5%	1%	8%			
Average Block Size Share of Area Within Walking Share of Roads Less Than (hectares) Distance of Arterial Road (625m) 4-meters Wide								
30-City Sample 90%			■30-City Sample					
10 ■Kolkata 80%	-	80%	■Kolkata					
70%		70% 60%						
6 50%		50%						
40%		40%						
30% 20% 30 City-S	amnle	20%						
2 10% — ■ Kolkata		10%						
0% Pre4003 4004 4004 4004 4004 4000 4000 2044	00 2014	0%	0.4000.4004.4051	4004 4004 (5)	20, 4000,004;			

Pre1883 1883-1931 1931-1961 1961-1990 1990-2014

Roads

Pre-

1883

19%

1883-

1931

13%

1931 -

1961

11%