



Adaptation transitions in Kolkata



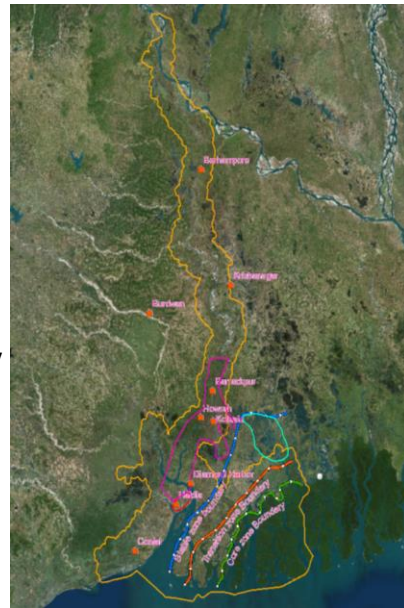
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Geographical Location of the City

- The city lies in the mature delta region of Ganges-Brahmaputra Delta (tidally active, mature and moribund regions).
- Naturally overflowing river (vulnerable to flooding)
 - Shift from seismic zone III to zone IV (vulnerable to earthquakes)
- Heavily populated along the river Hooghly
- KMC population has increased from 9.1 million (1981) to 14.11 million (2011).
- Estimated net sea level rise in Diamond Harbour is 5.7 mm/ year (MoEF, 2010)



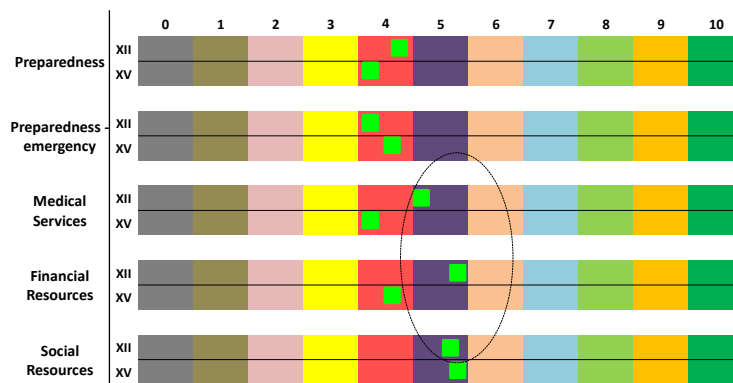
Conditions of Households & Surroundings

	Health Status	Accessability to Food	Housing status	Personal Safety	Environmental Conditions
0 VVB		0.93		0.23	
1 VB			0.68	0.23	0.68
2 Bad	0.93	2.78	2.27	1.59	2.49
3 Dissatisfied	2.92	4.40	5.84	6.35	3.85
4 Fairly Dissatisfied	5.80	6.97	13.61	7.26	10.66
5 Average	11.37	11.81	12.47	15.65	18.59
6 Fairly Satisfied	12.58	11.01	16.10	18.59	23.36
7 Satisfied	19.26	20.14	17.46	17.01	16.78
8 High	24.72	24.77	15.19	17.23	12.70
9 VH	12.30	9.03	9.98	11.56	7.71
10 VVG	8.54	8.56	7.03	4.76	3.85
Total Households	431	432	441	441	441

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Risk Management Strategies

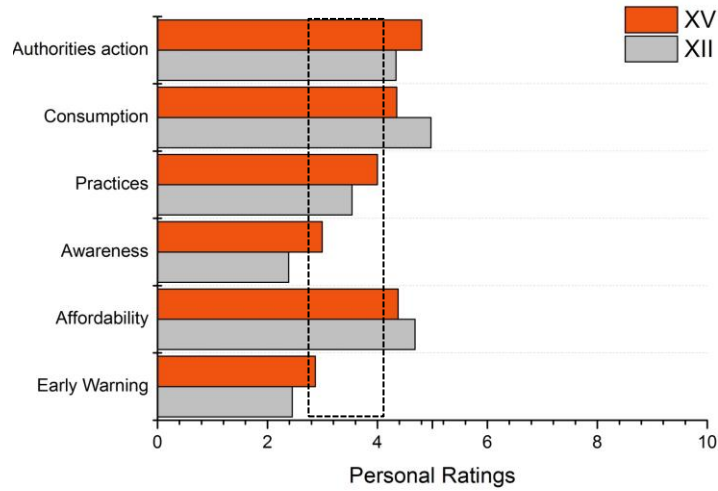


Burough XII – Better Medical & Financial Resources
 Burough XV – Overall Poor preparedness & resources but strong social networks!

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Monitoring & Evaluation



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Importance of Hazard for each Household

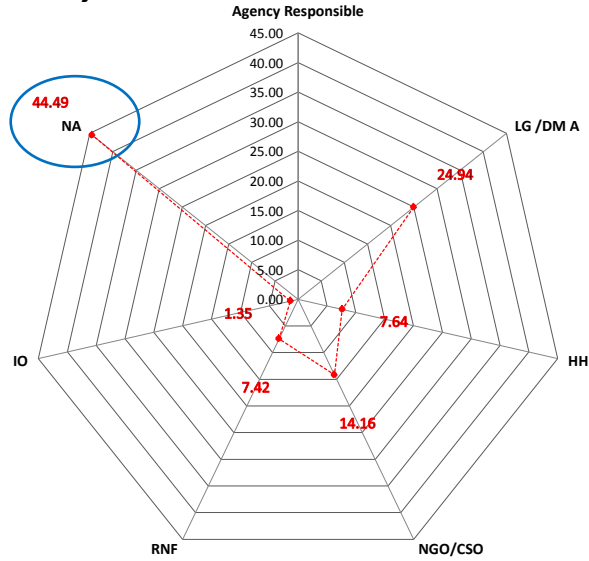
	Not Important	Moderately Important	Very Important	Most Important	Don't Know
Heat waves	20.90	32.58	34.16	11.69	0.67
Street Crime	46.29	44.94	5.62	1.80	1.80
Rainfall/Flooding	31.91	47.42	13.71	6.07	0.90
Earthquake	27.42	4.27	0.45		67.87
Coastal Flooding	32.36	0.22			67.42
Terrorism	52.36	10.56	3.37		33.71
Fire	67.87	4.72			27.42

Seismic zone iv

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Responsibility



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Preparedness



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Prior to event

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Local Government's Action in Future

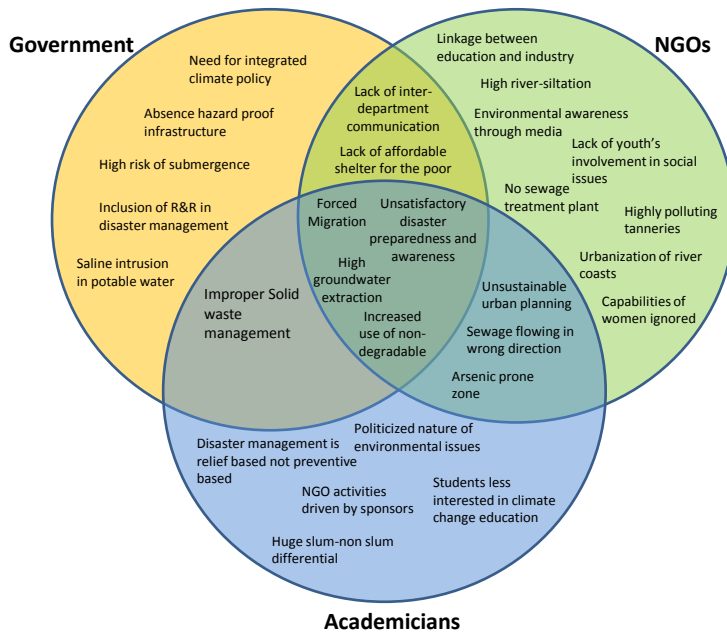
Status	XII	XV
Maintain	14	12
Reduce	89	93
Increase	79	81

Rainfall Flooding

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Response on Vulnerabilities



Response on Resilience

