

Project Planning & Control

Lesson 4

Construction Industry and National Growth

Koshy Varghese, Ph.D.

Professor

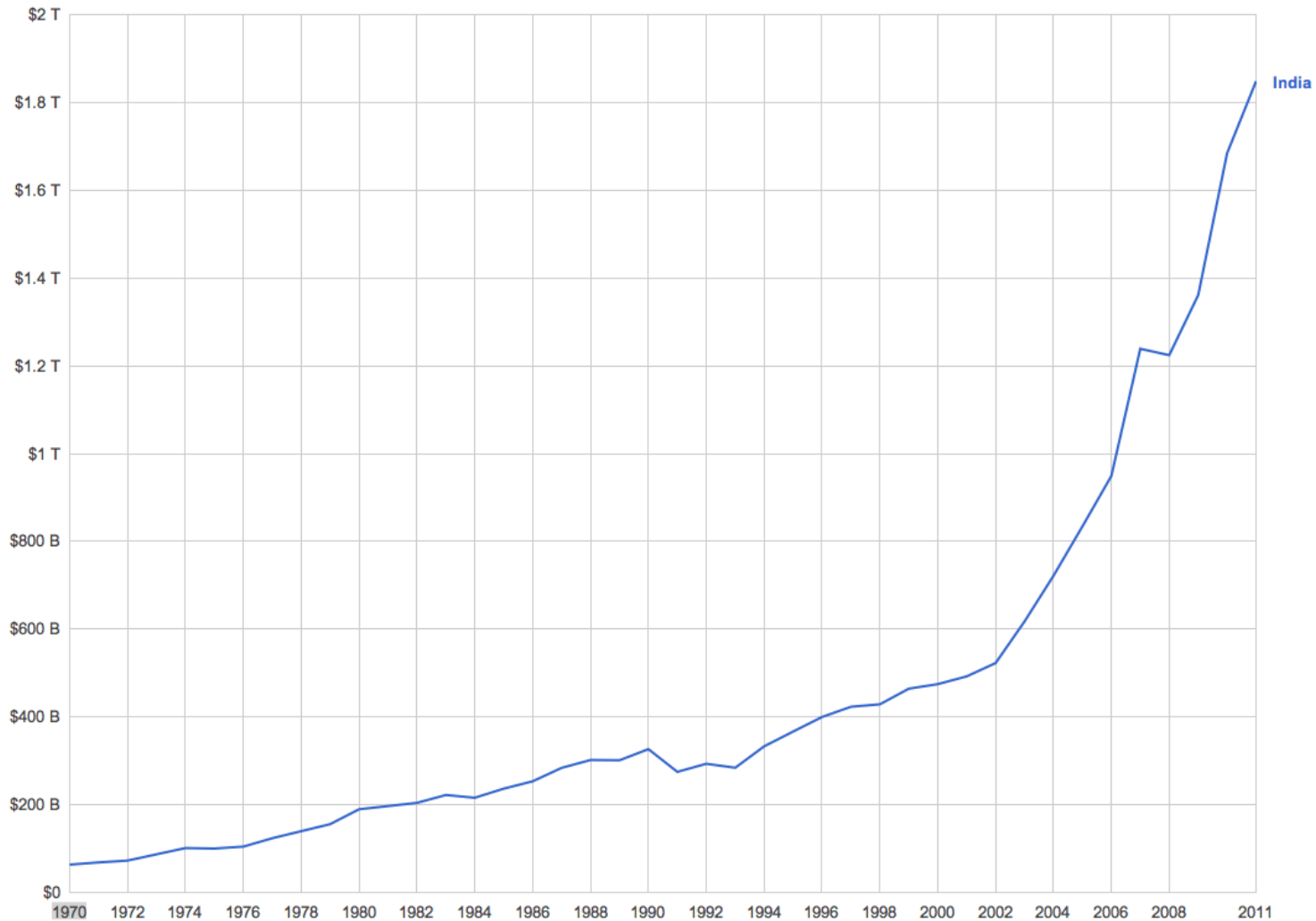
Building Technology & Construction Management

Department of Civil Engineering

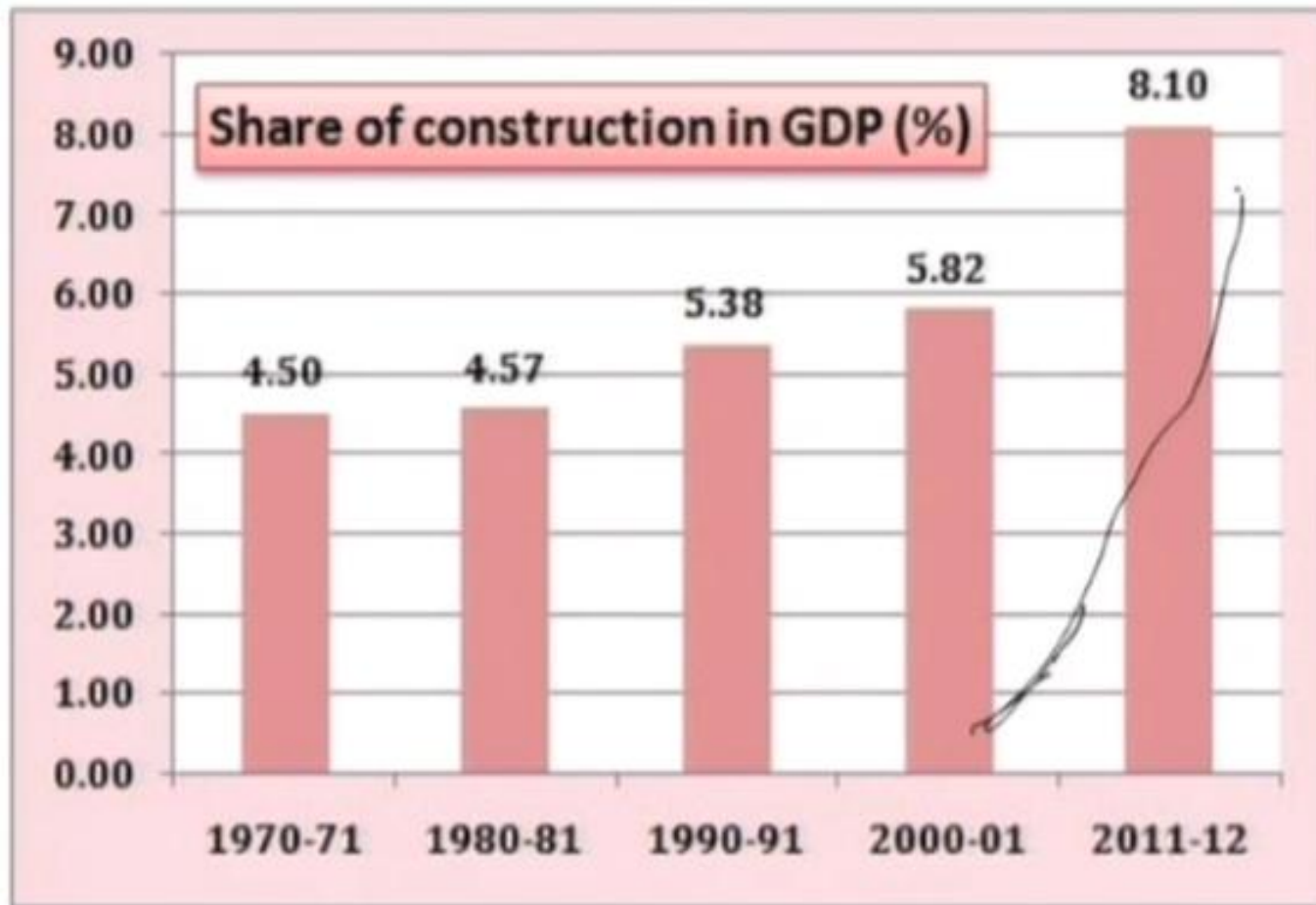
I.I.T. Madras



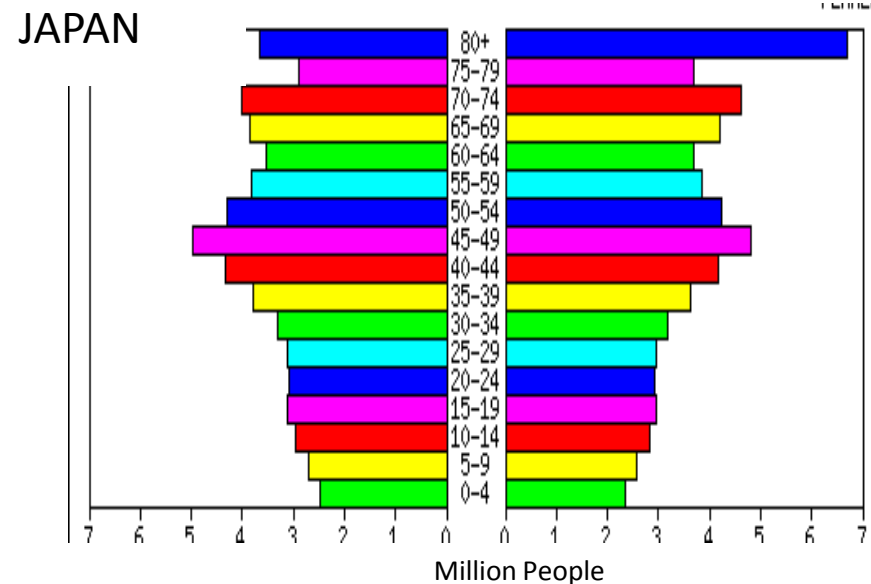
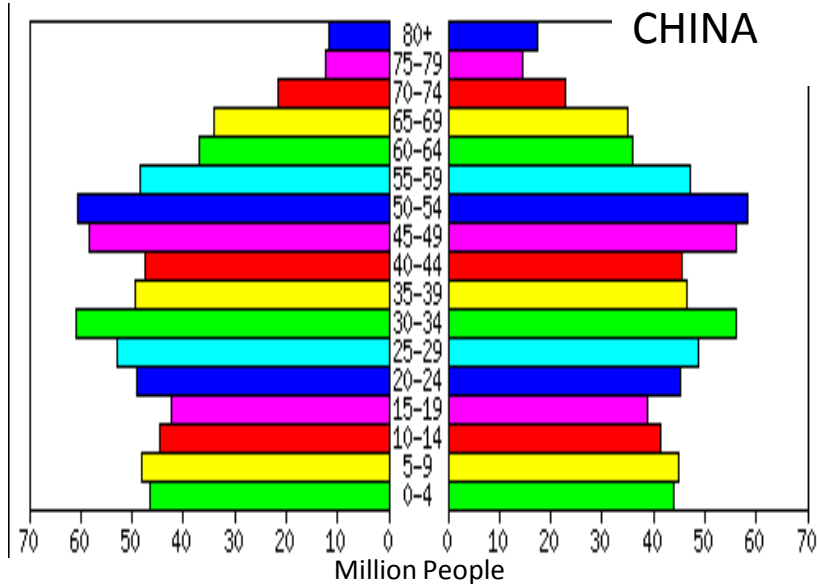
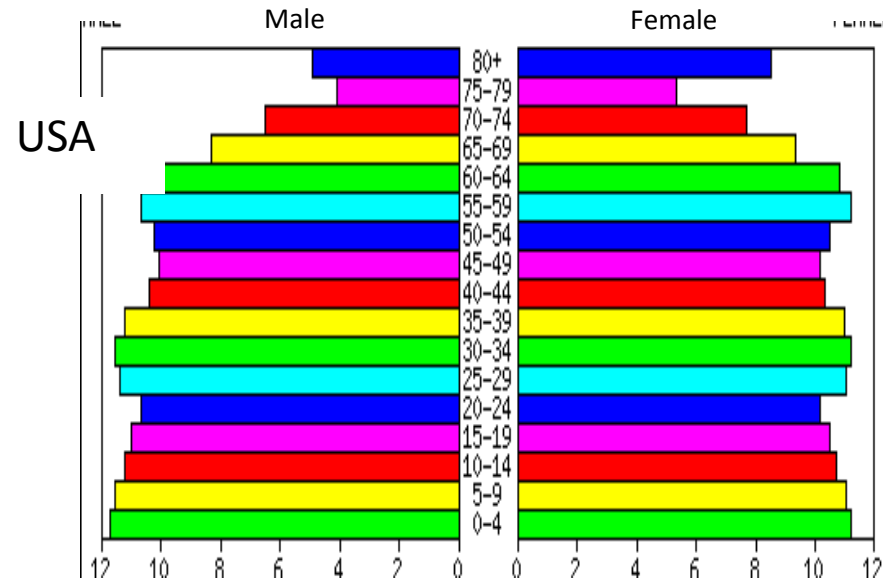
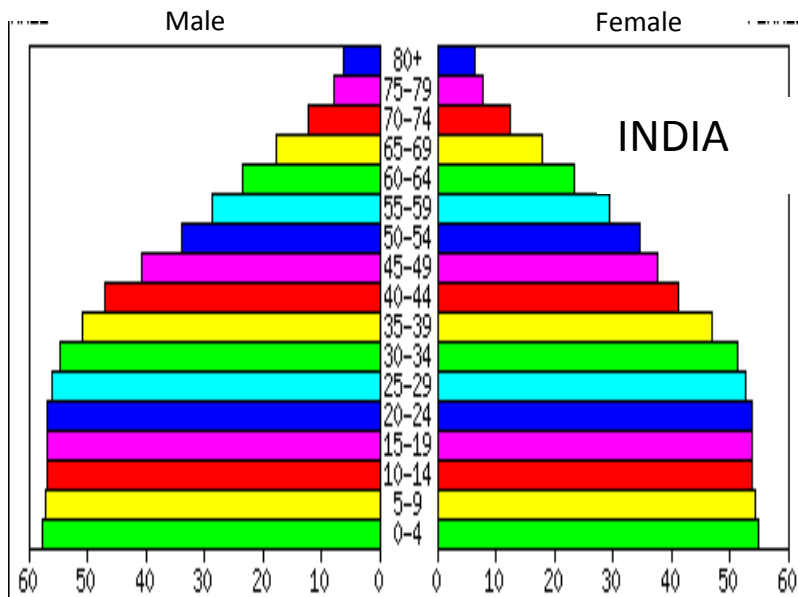
Construction Contribution to GDP in India



Construction Contribution to GDP in India



Population Distributions (2020)



**INFRASTRUCTURE DEVELOPMENT
IS ESSENTIAL FOR CONTINUED
GROWTH**

Roads



PORTS

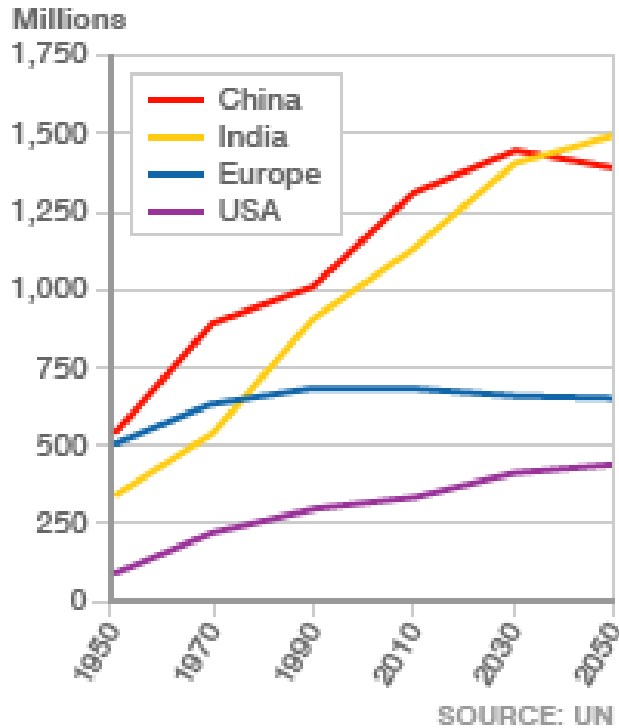


Airports

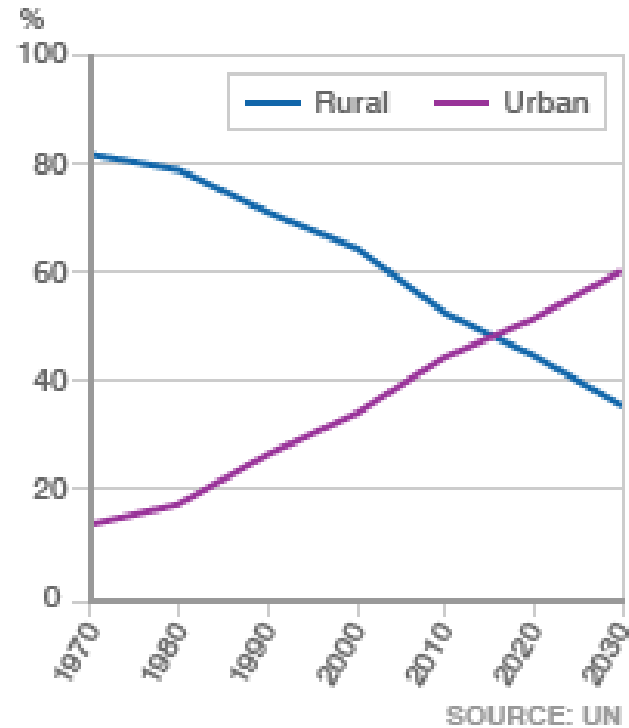


Urban Population Growth

POPULATION GROWTH AND PROJECTIONS

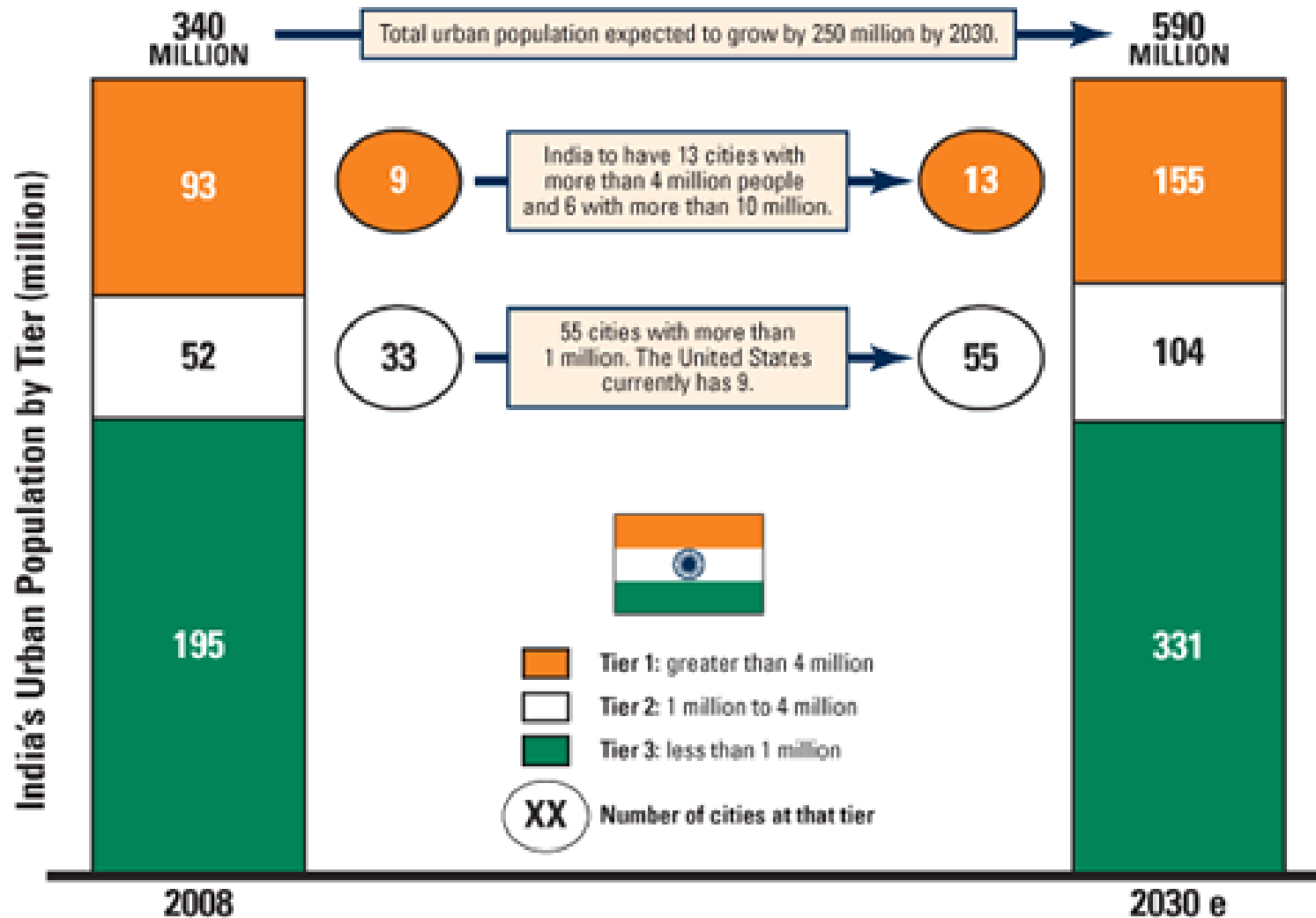


RURAL AND URBAN POPULATION



http://news.bbc.co.uk/2/shared/spl/hi/in_depth/china_modern/html/2.stm

India's Future Is In Its Cities



Real Estate & Urban Infrastructure



Rural Infrastructure



Power – Conventional & Renewable



Average Annual Sectorial Financial Outlays

All figures are in US\$ mn per annum

S No.	Department	2007 -2012	11th FYP	2012 -2017	12th FYP
1	Electricity		27,608		60,067
2	Renewable Energy		3,569		12,743
3	Roads and Bridges		18,125		38,776
4	Telecommunication		15,398		37,756
5	Railways		8,049		20,872
6	MRTS		1,667		4,966
7	Irrigation (incl. Watershed)		9,740		20,175
8	Water Supply and Sanitation		4,831		10,198
9	Ports (+ILW)		1,781		7,911
10	Airports		1,452		3,509
11	Oil and Gas pipeline		2,501		5,957
12	Storage		717		2,338
	Total		95,439		225,268

ARE PROJECT OBJECTIVES MET ?

Discussion.....