INDIAN CONSTRUCTION INDUSTRY

Dr. KUPPUSWAMY ANANTHA NARAYANAN

ASSOCIATE PROFESSOR DEPARTMENT OF CIVIL ENGINEERING INDIAN INSTITUTE OF TECHNOLOGY, MADRAS CHENNAI. INDIA PIN No.600036 kananth@jitm.ac.in

ORGANISATION

- Introduction
- Indian Construction Industry
- Infrastructure
- Information Technology
- e- Procurement

INDIAN CONSTRUCTION INDUSTRY-INTRODUCTION

Construction becomes the basic input for socioeconomic development of any country. The construction industry generates substantial employment.

- India is currently the second fastest growing economy in the World
- The Indian construction industry contributing approx. 8% to GDP
- The construction sector being the second largest employer in India, next only to agriculture.
- □ The sector generated around 31 million jobs

INDIAN CONSTRUCTION INDUSTRY -FUTURE TREND

- The Government of India proposes to achieve 9.0% GDP growth during the Eleventh Plan period
- To achieve this, adequate infrastructure is the most basic requirement.
- The government is developing a program for infrastructure investment through both public and private sectors

INDIAN CONSTRUCTION INDUSTRY-DEVELOPMENT

- The following Associations and Councils have contributed a lot in the development of Construction Industry
- NBCC National Building Construction Corporation of India wholly owned Government of India Enterprise under the aegis of the Ministry of Urban Development
- CIDC Construction Industry Development Council: The Planning Commission, Government of India, jointly with the Indian construction industry
- BAI- Builders Association of India: was formed in 1941 in Pune
- NBO National Buildings Organisation : Ministry of Housing for technology transfer, experimentation, development and dissemination of housing statistics.
- □ **BIS- Bureau of Indian Standards -**standardization and quality systems to ensure better implementation of Indian Standards

CONSTRUCTION INDUSTRY

THREE MAJOR SEGMENTS.

GENERAL CONTRACTORS

HEAVY ENGG CONSTRUCTION CONTRACTORS

> SPECIALTRADE CONTRACTORS

Build residential, Industrial, commercial etc.

Build roads, highways, bridges, tunnels, ports, harbors etc.

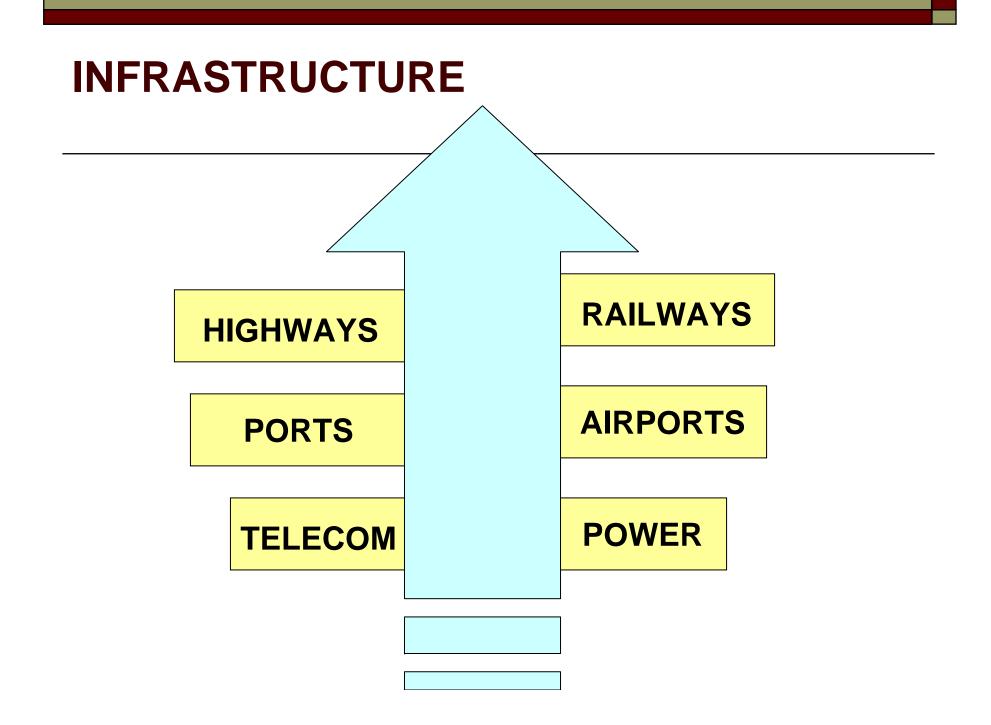
Carpetry, painting, plumbing, electrical works etc.

CENTRAL PUBLIC WORKS DEPARTMENT (CPWD)

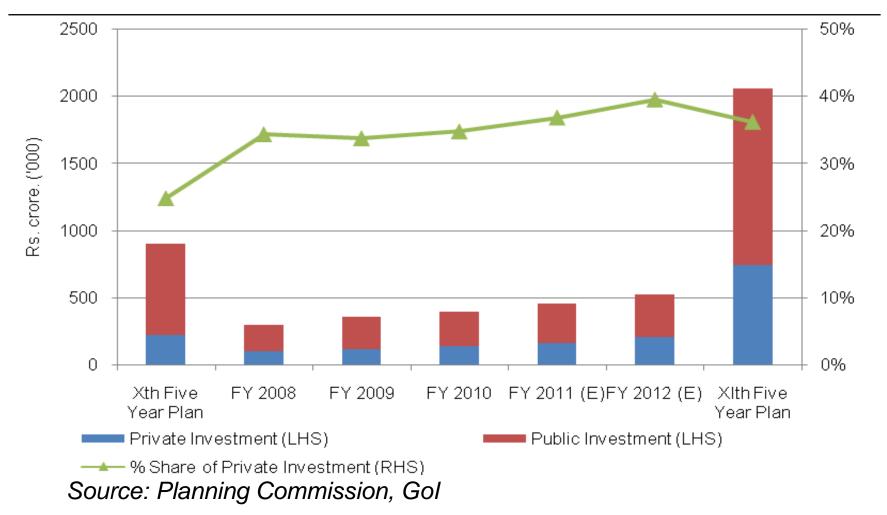
- # CPWD is a Central Government owned authority that is in charge of public sector works in the country.
- # The "CPWD Specifications" give the standards for building materials and are very useful guide for execution of works, measurements as well as rates.

CABINET COMMITTEE ON INFRASTRUCTURE (CCI)

- The CCI is under the Chairmanship of the Prime Minister, was constituted on July 6, 2009.
- The CCI approves and reviews policies and monitors implementation of projects across infrastructure sectors to create world class infrastructure delivering services
- Developing structures that maximize the role of public-private partnerships (PPPs)



TREND IN INFRASTRUCTURE INVESTMENTS





Indian road network of 33 lakh Km.is second largest in the world about 65% of freight and 80% passenger traffic is carried by the roads.

GOLDEN QUARDRILATERAL

5846 km as on 30th April 2011

DELHI-MUMBAI1419 KM (100%)MUMBAI-CHENNAI1290 KM (100%)KOLKATA- CHENNAI1684 KM (98.51%)DELHI-KOLKATA1453 KM (99.99%)

NATIONAL HIGHWAY DEVELOPEMENT PROJECT(NHDP) 50405 km length

Ref: http://www.nhai.org/

AIRPORTS

Projects	Project Cost (INR crore)	
Bangalore International Airp	oort 2400	
Rajiv Gandhi International Airport, Hyderabad 2920		
IGI Airport at New Delhi	8975	
CSI Airport at Mumbai	9802	

MAJOR PORTS

Projects	Project Cost	(INR. crore)
Completed 23 Projects		5762
In Pipeline 29 Projects		18465
Under implementation 13 P	rojects	10509

RAILWAYS

Redevelopment of 50 Railway Stations into World-class Stations INR90000 Crores

POWER

8 State power Projects INR 9073 Crores In pipe line 34 Projects INR62032 Croes

Company	Sales (INR.Million)	Market Cap.(INR Million)
Larsen & Toubro	370348.00	1034660.38
JP Associate	100889.10	187338.76
Lanco Infratech	58866.99	79457.56
IL&FS	8454.65	40213.42
NCC	47778.22	22707.67
Punj Lloyd	71166.96	21536.41
Hind.Cons	39030.00	19712.32
IVRCL Ltd.	55082.59	19291.46
Simplex Infra	44434.81	14891.17
Gamm.Indi	45908.80	13441.80
IL&FS Engg	9554.40	12692.55

http://info.shine.com/ListofCompany/Construction-and-Real-Estate/855.aspx

DEPARTMENT OF INFORMATION TECHNOLOGY

Objective of the Information Technology Department

- e-Government: Providing e-infrastructure for delivery of e-services.
- e-Industry: Promotion of electronics hardware manufacturing and IT-ITeS industry.
- e-Innovation / R & D: Providing Support for creation of Innovation Infrastructure in emerging areas of technology.
- e-Education: Providing support for development of e-Skills and Knowledge network.
- e-Security: Securing India's cyber space.

Ref: http://www.mit.gov.in/

NATIONAL INFORMATICS CENTRE (NIC)

National Informatics Centre (NIC) is a premiere S & T institution of the Government of India, established in 1976, for providing e-Government / e-Governance Solutions adopting best practices, integrated services and global solutions in Government Sector

http://www.nic.in/document

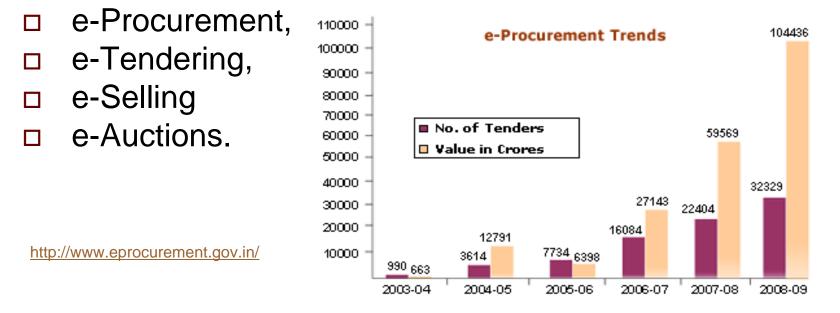
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PROFILE OF CURRENT SERVICES BY NIC

- Digital Archiving and Management and Digital Library
- E-Commerce and E-Governance
- IT Training and GIS Geographical Information System
- Network Services (Internet, Intranet) and Video Conferencing
- Web Services and General Informatics Services
- Medical Informatics and Setting up of Data Centres
- Intellectual Property and Know-How Informatics Services

E-PROCUREMENT

E-Procurement gov.in is a comprehensive einfrastructure that will help the government and the citizens. Providing a robust, proven platform used by the largest companies in India and the world, it enables trade between companies of different sizes, platforms and locations. This will provide services like



SURVEY OF INDIA

Survey of India -The National Survey and Mapping Organization of the country under the Department of Science & Technology, was set up in 1767

The Survey of India acts as adviser to the Government of India on all survey matters, viz. Geodesy, Photogrammetry, Mapping and Map Reproduction.

Vision

Survey Of India will take a leadership role in providing user focused, cost effective, reliable and quality geospatial data, information and intelligence for meeting the needs of national security, sustainable national development, and new information markets.

http://dst.gov.in/scientific_services/survey.htm

MAIN RESPONSIBILITIES AND DUTIES OF THE SURVEY OF INDIA

All Geodetic Control (Horizontal and Vertical) and Geodetic and geophysical Surveys.

All Topographical control, Surveys and Mapping within India.

Surveys for Developmental Projects.

Large-scale Cities, Guide Maps & Cadastral Surveys etc.

Research and Development in Digital Mapping and creation of Digital Topographical Data Base on 1:250,000, 1:50,000 and 1:25,000 scale, Printing, Geodesy, Photogrammetry, Topographical Surveys and Indigenization.

NATIONAL REMOTE SENSING CENTRE (NRSC)

- National Remote Sensing Centre (NRSC) is one of the centers of Indian Space Research Organisation under the Department of Space, Govt. of India.
- NRSC is engaged in the operational use of remote sensing data span wide spectrum of themes which include water resources, agriculture, soil and land degradation, geomorphologic mapping, coastal and ocean resources monitoring, forest mapping, land use and land cover mapping and urban area studies, large scale mapping, etc.

http://www.nrsc.gov.in/

NATIONAL REMOTE SENSING CENTRE (NRSC)

- NRSC has carried out approximately 400 nos. of various aerial survey and photogrammetric mapping projects,
- R&D Projects : Preparation of large scale base map Preparation of large scale topographic maps from TES stereo data is in progress. Preparation of 3D city maps and visualization.

http://www.nrsc.gov.in/



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