

# **FURTHER DETAILS REGARDING MAIN TOPICS OF PROGRAMME NO.08/2010**

## **CHIEF (INDUSTRY & INFRASTRUCTURE)**

**CATEGORY NO. 450/2007**

### **1. Industry and Infrastructure Fundamentals**

Trends in Industrial Economy. Shift from manufacturing to service economy. Use of internet as an enabler. Development of collaborative and virtual enterprises. Definition of industry. Types of industries. Factors to be considered for location of industry. Impact of social, economical, legal, technological and commercial issues including logistics and infrastructure planning.

Projects: definition, types of viabilities, choice of projects, essential requirements of a project report, tools and techniques for project implementation.

### **2. Development of Science and Technology**

Post independence scenario of science and technology. Establishment of Indian Institute of Technologies (IITs). Introduction of five year plans and role of planning commission. Setting up of DRDO, CSIR, ISRO and BARC and their policies. Emphasis on Atomic energy, Space technology, Electronics, Oceanography, Biotechnology parks and IT parks.

Role of the Department of Science and Technology in promoting basic research to cutting edge technologies.

### **3. Energy and Environment**

Pattern of energy consumption in house holds, business and industries. Dependence on traditional sources of energy and need for renewable energy. Concept of environmental degradation and health costs. Current status of biodiversity and thrust to biodiversity.

India as a signatory to Multilateral Environmental Agreement (MEA). Efforts of UNDP in India to protect bio-diversity, reduction in pollution, reverse land degradation and facing climate change.

#### **4. Micro, Small and Medium Enterprises**

Concept of micro, small and medium enterprises (MSME). MSME act (2006), policy initiative and reforms. National commission for enterprises in the unorganised sector (NCEUS). Role of MSME development organisation, National small industries corporation (NSIC), Khadi and village industries commission (KVIC), Coir Board, National Entrepreneur development Institute.

#### **5. Industrial Policies**

Objectives of industrial policies. Policy measures such as liberalisation of industrial licencing policy, Policy for small scale industries, NRI schemes, software technology parks (STP), promoting FDI and investment facilitation.

#### **6. Public Sector Reforms**

Government policy on public sector and National common minimum programme (NCMP)-Salient features. Liberalisation, disinvestment, privatisation of reserved public sector, budget driven disinvestment.

Objectives of disinvestment and trends. Role of public sector disinvestment commission.

#### **7. Construction Management**

Emergence of construction as a labour intensive industry, its impact in employment and society. Construction management tools and techniques. Management of resources, time and cost, quality and safety in construction.

Contract administration. Government of India policy on foreign equity in construction industry.

#### **8. Initiatives in Infrastructure**

Infrastructure initiatives in construction engineering , IT, entertainment, textiles, food, utility etc. by Govt. of India. Infrastructure for construction, heavy industries and core industries and hotel industry and tourism promotion.

Inputs to infrastructure industry, Growth of real estates and infrastructure.

## **9. Initiative for Development**

Guidelines for technical collaboration, construction and development project. UNIDO country program of co-operation with India for competitiveness and productivity for 2008-2012.

**NOTE: - It may be noted that apart from the topics detailed above, questions from other topics prescribed for the educational qualification of the post may also appear in the question paper. There is no undertaking that all the topics above may be covered in the question paper.**