**Course name: e-ITEC Course on Industrial, Infrastructure and Sustainable Project Preparation & Appraisal (Basic Level)**

**Proposed dates: 11th January to 22nd January, 2021**

**Duration: 2 weeks**

Rationale:

Economic development depends upon investment. New investment is a necessary condition for economic growth; in fact, investment is needed just to maintain the current level of economic activity as the productive capacity of the economy is diminished by technological depreciation over time.

In countries where investment resources are scarce, there is a particular need to take care of their allocation, and project study and planning is the key to efficient utilization of these resources. A well-executed plan is a road map to successful investment.

Objective:

This programme has been designed for two weeks to improve and update the knowledge of officials in the areas of industrial and infrastructure project preparation & appraisal techniques, and decision-making process, which will lead to selection of sustainable and viable investment decisions.

Target Group:

Officials from middle-level management from any of the following types of organizations can participate:

* Industry & Economic Ministry
* Investment Promotional Agencies
* Chambers of Commerce & Industry
* Development Bodies participating in Industrial Development
* Development Financial Institutions
* Commercial Banks
* Consultancy Organisations Executing Projects
* Business and Management Development Organisations
* Industries, Business and Educational Establishments
* Institutions and organizations involved in framing infrastructure policies & implementing the same
* Academicians teaching Business Plan

Educational Qualifications:

Graduation, with basic knowledge of English language.

The participants should possess basic computer literacy, and should be well-versed with the use of Word Processor & Spreadsheet.

Course Content:

Module 1: Introductory & Foundational Concepts

The development of an industrial, infrastructure and sustainable project & its appraisal from the stage of the initial idea until the project is in operation. The cycle comprising three distinct phases, the pre-investment, the investment and the operational phases will be covered.

Module 2: General Methodology to Formulate/Prepare Projects

Economic Environmental Analysis: Identifies problems, conflicts, or resource constraints that may affect the natural environment or the viability of a project. After predicting potential issues, the economic environment analysis identifies measures to minimize problems and outlines ways to improve the project's feasibility.

Market Analysis: Identifies the potential consumers and their needs, how these needs can be satisfied by the project. It will enable the learner to estimate the market share accessible to the project and demand forecasting and the sales revenues for consideration in financial analysis.

Technical Analysis: Designs the process, defines the engineering, technology, equipment, location and other technical parameters, estimates capital and operating cost, which are needed for financial analysis.

Financial Analysis: Provides a prediction of financial benefits and costs. It is linked to market analysis that provides an idea of revenues to be generated by the project and to technical analysis that permits estimation of project costs.

Module 3: General Methodology to Appraise a Project

How to prepare accounting tables and statements including Cash Flows will be covered in this course. The focus will also be given to understanding cost of capital, performance indicator of a project and its viability analysis.

* Preparation of Accounting Tables
* Cash flows
* Cost of Capital
* Performance Indicators
* Viability Analysis

Module 4: Significance of Industrial & Infrastructure Projects and their special features for Project Preparation & Appraisal

Discussions and sessions will be held on ‘how the industrial & infrastructure projects are being prepared’ and ‘what are the ways to conduct appraisal of these projects’.

Module 5: Sustainability of Industrial & Infrastructure Projects

Business sustainability is a necessary component of the business planning and an integral part of any risk management process. Discussions will cover the key areas such as Social Cost Benefit Analysis and Environment Impact Analysis of Industrial & Infrastructure Projects

* Social Cost Benefit Analysis
* Environment impact analysis

Expected Outcome:

* Understanding the process of industrial and infrastructure project formulation and appraisal
* Identifying data requirements and analyzing their suitability for project preparation and appraisal
* Understanding the application of various tools and techniques used for project formulation and appraisal
* Understanding the importance of environmental impact study and economic analysis on sustainability of industrial & infrastructure projects
* Understanding of computer supported comprehensive appraisal, viability and sensitivity analyses through spread sheet

Schedule of Classes:

* Each week: 4 online live sessions (45-60 minutes each) of training inputs each day, beginning from 10.00 am (IST), for five days in a week.

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**Delivery Mechanism, Features, Pedagogy, and Evaluation**

Methodology:All participants will join the programme through their respective web-link generated by EDII and the online training will be imparted through the Learning Management System (LMS).

Unique Features of LMS:

* Participants will find relevant content much faster and easier
* It will shorten the time to learn and maximize retention
* Will be delivered through app-based access to read, view, play all content formats
* Participants can learn this programme through Notepad/Tablet, Mobile etc. Need to have Windows-10 app or android/IOS system
* Digital attendance of the participants
* Course content can be accessed through Cloud-based repository

Pedagogy & Delivery: It is proposed to offer 4 online live sessions (45-60 minutes each) of training inputs each day, for five days in a week. The two-week course will thus have 40 sessions in all, spread over a period of 10 days.

EDII faculty will deliver the sessions using various approaches namely: Online lecture, PPTs etc.

The participants will also be given assignments/case-studies to discuss, analyse and make presentation either individually or in small groups. They will also have the benefit of interacting with the faculty over email to solve their questions/queries related to the subject delivered online.

Participation through video attendance is mandatory, and the participants should be well-versed with the use of Word Processor & Spreadsheet.

Evaluation Mechanism: To know the learning acquired by the trainees, the impact will be assessed through online evaluation mechanism at the end of the programme. The participants will also be asked to submit their action plan to help us understand the necessary actions to be undertaken at our end.