



# DIRECTORATE GENERAL FACTORY ADVICE SERVICE AND LABOUR INSTITUTES

Ministry of Labour and Employment, Government of India  
Construction Advise Service Division

**15 days full time certificate course on  
“SAFETY IN EXCAVATION & TUNNELLING”  
03.10.2022 - 21.10.2022**

## Course Head

Dr. R. K. Elangovan  
Director General, DGFASLI  
Govt. of India, Mumbai

## Contact:

Shri. G.P. Nijalingappa,  
Deputy Director General  
E-mail: gpn@dglasli.nic.in

## Course Coordinator:

Shri. Rajkrishna M.R., Dy. Director (S)  
E-mail: rajkrishna@dglasli.nic.in

## Venue

Central Labour Institute, Mumbai

## Course Objective

The aim of this training is to equip the participants theoretical and practical knowledge to enable them to understand safety in excavation and trenching work. Gain Knowledge to identify the hazards and assess the risk, importance of soil classification, prevention of caving in, understand the 'Permit to Work' systems and the safe operating procedures. The course will provide knowledge of legal obligations contained within the OSHWC Code, 2020 and National standards for provision to ensure safe systems of work in excavation and tunneling work.

## Eligibility

Supervisors working in construction industry with minimum one year experience are eligible to attend the course. Only 50 candidates will be accepted on 'first come first serve basis' to ensure quality learning.

## Pattern of Examination

The candidates have to write pre-test as an assessment before the start of the course. Attendance of minimum 80% will be required for the candidates to appear for the final examination, which will be conducted at the end of the course. The candidate must secure minimum 60% marks to pass and be eligible for the award of the certificate. The successful candidates will be provided with certificate.

## About DGFASLI

DGFASLI is an attached office of the Ministry of Labour & Employment, Government of India and serves as a technical arm to assist the Ministry in formulating national policies on occupational safety and health in factories and docks. It also advises factories on various problems concerning safety, health, efficiency and well - being of the persons at work places.

## Background

In most cases the building or construction work starts with excavation. Excavation work generally means work involving the removal of soil or rock from a site to form an open face, hole or cavity, using tools, machinery or explosives. Excavation work includes work such as open excavations, potholing, pit excavations, trenches and retaining walls, etc.

The Indian standard 3764: 1992 lays down requirement for excavation and the safety code IS 4756: 1978 lays down the standards for tunneling work. Excavation and tunneling are amongst the most dangerous operations in the construction industry. Dangers can include cave-ins, falling loads, hazardous atmospheres, and hazards from using heavy equipment. Therefore sound knowledge in the work is required to ensure the safety of the workers. This course will help the Supervisors in understanding the importance of soil classification, hazards associated with excavation and trenching work and preventive measures to be taken.

This course will enable the responsible person for excavation and tunneling in building and other construction work to acquire the required skills and knowledge in the field of excavation and tunneling.



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## Course Methodology

The course is full time course of 15 days duration. The course consists of class room lectures, practical and field visits. The course consists of modules:

### Module 1

Types of Soil and its Characteristics

### Module 2

Legal Requirements and Standards

### Module 3

Types of Excavation and tunneling work

### Module 4

Methods of Protection, Installation and Removal Protective systems

### Module 5

Safe operating procedures while working in excavated area

### Module 6

Understand the Permit to work system (PTW)

### Module 7

Enter and Exit Procedures

### Module 8

Requirement of Ventilation

### Module 9

SOP and Permit to work systems

### Module 10

Site Visits

### Module 11

Case Studies

## Nomination

Interested candidates can register by sending email to the course coordinator. After confirmation of the course coordinator only, nominee will deposit institution fee @ Rs 10,000/- (Rs. Ten Thousand only) per candidate through Bharatkosh portal (<https://bharatkosh.gov.in>) using following steps. Fees once submitted will not be refunded/ adjusted.

- ❖ Login to <https://bharatkosh.gov.in>
- ❖ Quick Payment
- ❖ Ministry: 021 Labour & Employment
- ❖ Purpose: Other receipts under service and service fees
- ❖ Pay & Account Office (PAO): 030263 - PAO (DGFASLI), Mumbai
- ❖ DDO Code : 230265 (Central Labour Institute, Mumbai)
- ❖ Remarks: 15 days full time certificate course on Safety in Excavation & Tunnelling

## Hostel Facility

- ❖ Not available

## Class Timing

- ❖ 10:00 AM to 05:00 PM
- ❖ Saturday & Sunday are holidays

## Confirmation

After verifying the credentials, final confirmation of participation will be sent to the selected candidates by the coordinators through e-mail.

**Last date for applying to the course: 30.09.2022**



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## REGISTRATION FORM

Name of candidate	
Designation	
Category(SC/ST/OBC/Gen)	
Phone No	
E mail address	
Experience in years (Experience certificate shall be enclosed with the application)	
Company name & address	
Name of contact person with phone no (company)	
Fee details (As per Bharatkosh receipt)	

Place: \_\_\_\_\_

Date: \_\_\_\_\_

(Signature of candidate)