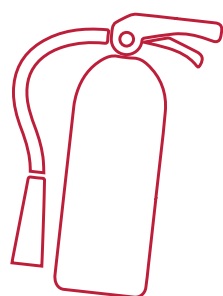




BUREAU  
VERITAS



# ELECTRICAL AND FIRE SAFETY **AUDITS** **OF BUREAU VERITAS**



## IN-SERVICE VERIFICATION SERVICES (IVS)

- **Initial Electrical and Fire Safety Assessment**
  - To have a preliminary idea of existing electrical system and hazards related to electrical fire of buildings & infrastructure.
  - To have a preliminary idea of existing fire detection, suppression & evacuation system of buildings & infrastructure.
- **Detailed Electrical and Fire Safety Assessment**
  - Detail analysis of existing electrical and fire system of building & infrastructure with recommendation & solution in resolving all the hazards related to potential fire incidents and mitigating the same.
- **Detail Energy Assessment**
  - To conduct a detail analysis for identifying major energy consuming equipment, their related loss and recommend action plan for improvement with cost-benefit analysis.
  - To determine the energy efficiency of electro mechanical equipment.
- **Sub-station Inspection**
  - To identify operational risks and functionality checking.
- **Periodical Inspection/testing of Electrical System**
  - To know the existing condition of electrical system, which mainly includes earthlings system, insulation condition of cables, conditions of electrical circuit and power quality.
  - Functionality checking of circuit breaker by tripping test to determine the safety of the electrical systems.
- **Electrical and Fire Safety Training**
  - To acquire knowledge on the requirements of electrical and fire safety as per national statutory requirements and industry based practices.
- **Acceptance Test/Functionality Test of Fire Detection and Protection System**
  - To have an idea on the newly installed fire detection and suppression system's workability.
  - To know the condition of existing fire detection and suppression system.
- **Design review/appraisal of Electrical, Fire Detection and suppression System.**
  - To verify whether the design of electrical and fire systems meets the all applicable requirements of the related codes and standards
- **On-site Quality Control (QC) supervision for Electrical and Fire System Installation Works**
  - To ensure quality and compliance level of installation works for electrical and fire system.
- **Fire safety pre-plan preparation and assistance of receiving approval from FSCD, Bangladesh**



## RECOGNITIONS & APPROVALS

Approved by DIFE, under MOLE as  
competent organization for :

- Competent person for lift / lifting equipment inspection
- Detail Engineering Assessment (DEA) of civil structures
- Assessment of electrical system & fire detection and suppression system.

Approved by Bangladesh Fire Service  
and Civil Defense Authority for :

- For Fire safety pre-plan preparation of any installations in Bangladesh







## WHO CAN CHOOSE THESE SERVICES:

Any industry looking for a safe working condition, which includes - RMG & textiles, Leather Industry, FMCG, Telcom Operators, Cement Plants, Pharmaceuticals Industry, Power Plants, Petrochemical industries, Food and other industries, Multi storied commercial complex, Shopping Malls, Retail outlets.



## BENEFITS

- Planning your future investments
- Fire safety plan / pre-plan approval from FS&CD, Bangladesh
- Safeguarding the lives of your employees
- Maintaining good business relation with your buyers and stakeholders
- Safeguarding of your valuable assets
- Achieving 360 degree business success through fire/electrical risk management
- Safeguarding your brand / company reputation

## OTHER SERVICES IN TIC INDUSTRY



## CONSTRUCTION SERVICES

- Design Review for compliance to code of Building/civil structures, Electrical System, Fire detection and suppression system
- Laboratory services for Testing of Concrete Strength, Core, Cement, Steel, Soil, Concrete mix design
- Project Management Assistance for any construction project including scheduling, onsite project QA/QC supervision, BOQ verification, vendor bill verification, tracking of work progress against plan.
- Integrity assessment of existing civil structures/buildings and retrofit design recommendation through detailed engineering assessment following BNBC
- Non-destructive and semi-destructive testing of civil structures (UPV, re-bound hammer, core testing, re-bar scanning)
- Supervision and certification of Retrofitting works
- Onsite supervision of any mechanical fabrication works (including pre-fabricated steel structured buildings, pipeline, and storage tanks) by AWS/CSWIP certified welding inspectors.
- Hydrostatic pressure test of pressure vessels and calibration of safety valves.
- Periodic inspection of safety harness.
- LPG bottle certification as per US DOT requirements.
- Asset Integrity Management (AIM) and Remaining Life Assessment (RLA) of equipment (Boiler/reactors) used in process plants.
- HAZOP and HAZID Study.



## INDUSTRIAL SERVICES

- Environmental Study including IEE, EIA and EMP
- Periodic monitoring & testing of environmental parameters (Stack emissions, Ambient air, water, Noise level) during pre-construction, construction and operational phases as required by Department of Environment.
- Indoor Air Quality, light and noise level Monitoring
- Non-destructive testing (UT, MPI & DPT), Paint coating thickness testing (DFT)
- Periodic thorough inspection and load testing of lift, Cranes, EOTs, Forklifts, Lifting tackles/tools as per the requirement of Bangladesh Labour Rule 2015



## CERTIFICATION SERVICES

- Certification against ISO 9001:2015, ISO 14001:2015, ISO 45001:2018 (OHSAS 18001), ISO 22000, FSSC packaging, BRC, ISO 27001, SA 8000, ISO 50001, ASC, BAP etc
- CQI-IRCA (UK) accredited Lead Auditor and internal auditor training program and HSE related training etc
- 2nd party or customized audit



## COMMODITIES & GENERAL TRADE SERVICES

- Pre-shipment inspection and post landing inspection of Imports and exports
- Inspection & testing of metals and minerals
- Inspection & testing of Agri-food and commodities.

## WHY CHOOSE BUREAU VERITAS?

Bureau Veritas is proven brand with a **history of 190 years** working in the field of Quality, Health, Safety and Environment and Social Responsibility (QHSE-SA). Bureau Veritas is one of the top **3 TIC (Testing, Inspection and Certification)** companies in the world.

With operations of more than **140+ countries**, having more than **1450 offices and laboratories** and an **employee strength of 85000 +**, Bureau Veritas is **highly trusted partner** of many mega brands of the world.

With more than **130+ qualified professionals**, Bureau Veritas Bangladesh is pioneer in designing and executing **Fire safety audit, Electrical safety audit and Structural safety audit and other industrial inspection and certifications services.**

By choosing **Bureau Veritas**, you will be assured of world class services at affordable prices with an added benefit of **global recognition** of your industry community.



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VERITAS**

# A GLOBAL LEADER

TESTING, INSPECTION AND CERTIFICATION