



# SMC ENGINEERING SERVICES

**SMC ENGINEERING SERVICES** is the most reliable company in the field of Inspection & Testing, Technical services, Training & Calibration, Mechanical Work, Pipeline Installation & repair work, Maintenance Work in various industries all over India.

## Mission

Our mission is to provide Safety & Quality at the highest level and lead our service field with the advanced technologies and application in Quality, Safety, Environment & Engineering.

SMC Inspection & Testing offers periodic on-going monitoring, testing services to ensure reliability, efficiency and safe working of plant, machineries, equipment's by providing Audits, Trainings, Safe Load Test, Calibration, Inspection, Verifications, Third Party Inspections, Destructive & Non-Destructive testing .

Our goal is to serve & maintain safety of every individual by providing value-based services maintaining the standards of professionalism and business integrity.



Construction Projects



Power Plants



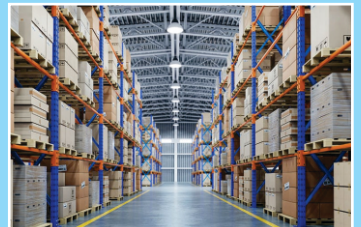
Sugar Factories



Chemicals & Fertilizers



Refineries (Oil & Gas)



Logistics & Warehousing



Pharmaceutical



Engineering/Metal Industry



Food Processing



Aviation Industry

## Our Services:-

- Test , Examination & certification of Lifts & Hoists, Under Factories Act,1948-Section 28
- Test, Examination & certification of Lifting Tools & Tackles ( Slings/Belts/D's hackles/Eye Bolts/EOT Cranes/ Hoists/Pallets & Stackers/Jib Cranes/ Hydra/Fork Lift etc. Under Factories Act,1948-Section 29
- Test ,Examination & certification of Pressure Vessels & pressure plant Under Factories Act,1948-Section 31
- Third Party Inspection
- NDT Testing by qualified ASNT LEVEL II
- Safety Audits Under Factories act ,1948 Guideline by Authorised Competent Person
- HAZOP Study , Onsite Emergency Plan
- Racks Inspection & Stability Certification by Chartered Engineer
- Calibration of measuring & monitoring equipment
- Risk Assessment/RLA Study
- Repair & Maintenance Of Chain Pulley Blocks and Monorail Trolley up to 10 Ton
- Repair & Maintenance of EOT Cranes
- Repair & Maintenance of Pipeline, Pressure vessels
- Hydro testing of Pressure Vessels & Pipelines

## Third Party Inspection -

We provide Third Party Inspection Services which includes Vendor Inspection Services, Welding and Coating Inspection Services, Drawing & Design Verification Services, Dimensions Check , Raw material verification, Process Verification for Industry.



## Lifting Tools & Tackles Inspection & Certification

We provide Load Test certificates under statutory provisions for the equipment's passed in the testing process under Provisions of Industrial Safety (Factories Act, 1948), Govt. of Maharashtra (Issuance of Form 11). Inspection and Certification of lifting tools and tackles are carried out directly by the competent person and/or by a person so authorized by an institution recognised to be a competent person. These inspections are carried out as per the rules prescribed under section 28 and 29 in The Factories' Act, 1948. EOT cranes, Tower cranes, Gantry Cranes, Hydras, Cherry-pickers, Hoists, Chain Pulley Blocks, Winches, Goods Lifts, and lifting tackles/gear. We also undertake the repairs and servicing of EOT Cranes, Hoists and Chain Pulley Blocks.



## Pressure Vessels Inspection & Certification

We provide certificates under statutory provisions for the equipment's passed in the testing process. Under Provisions of Industrial Safety (Factories Act, 1948), Govt. of Maharashtra (Issuance of Form 13). Inspection carried out directly by the competent person and/or by a person so authorized by an institution recognised to be a competent person. These inspections are carried out as per the rules prescribed under section 31 in The Factories' Act, 1948. Pressure Vessels, Piping, Heat Exchangers, Reactors, Distillation Columns, etc





## HYDRO TESTING

Our experienced and competent team is capable to perform Pressure vessel hydro-static testing for LPG Bullets, Horton sphere, Pressure Vessels, Heat Exchangers, Pipe lines, etc. as per requirements described in ASME Code Section VIII. A hydrostatic test is a way in which pressure vessels such as pipelines, plumbing, gas cylinders, boilers and fuel tanks can be tested for strength and leaks.



## SAFETY VALVE CALIBRATION

Our experienced and competent team is capable to perform maintenance & repair & calibration of Safety Valve.

(Size Up to 1/2" to 14")



## PIPELINE TESTING & COMMISSIONING

We offer various services for testing and commissioning of Oil & Gas pipelines and Facilities including pipeline pigging services, hydro testing, Pre-Commissioning, Drying using Super Dry Air or Vacuum Drying and Nitrogen Purging. We have built an expertise in installing Oil, Gas and Water pipelines.



## RACKS INSPECTION /WAREHOUSE INSPECTION

Our Rack Inspection service provides a comprehensive audit of your beams, uprights, frame bracing, floor fixings and lock-in clips. As the inspections are carried out in typical operational conditions, the inspectors also check that it is fit for purpose. At the end, they issue a report on any damage, and provide advice on how it can be fixed.



## SAFETY SERVICES

SMC provides special services during the Operate Phase.

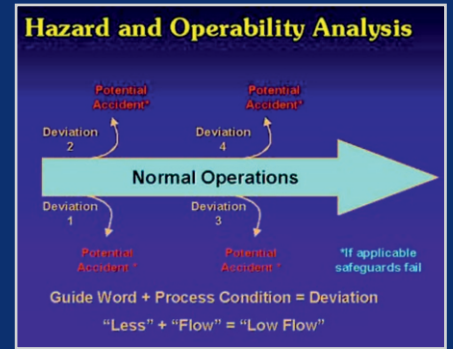
### Safety Services

- Safety Audits Under Factories Act 1948 & IS 14889
- Safety Training
- On site Emergency Plan
- Fire Safety Training
- Risk Assessment.



## HAZOP STUDY & RISK ANYALISIS

We provide support for plants by identifying risk , verifying procedures, detailed study of operation , cause & effects , process analysis . A Hazard and Operability Study systematically investigates each element in a process. We provide- Remaining Life Assessment (RLA Study) & Failure Analysis



## NDT TESTING

We provide modern non-destructive tests which are used in manufacturing, fabrication and in-service inspections to ensure product integrity and reliability, to control manufacturing processes, lower production costs and to maintain a uniform quality level .We provides qualified Inspectors and Technicians for NDT inspections during plant shutdowns. & ASNT LEVEL – I & II CERTIFICATION (NDT COURSE & TRAINING)



## CALIBRATION SERVICES

We provide measuring instruments calibration (On-site & In-House). Calibration is a comparison between a known measurement (the standard) and the measurement using your instrument. Typically, the accuracy of the standard should be ten times the accuracy of the measuring device being tested. Tie up with NABL Accreditation agency.



## PESO CONSULTANCY

We provide consultancy in

- ✓ PESO license
- ✓ Approval & Grant of New Explosive License PESO.
- ✓ Renewal of Explosive License from PESO.
- ✓ CCOE & SMPV Testing & Certification
- ✓ Petrol Pump License Services



**SMC  
ENGINEERING  
SERVICES**

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