



**Name:** Mr. Milind Madhusudan Tare  
Dean –School of Safety & Fire

**Education Qualifications:**

M Tech (Energy Systems Engg), IIT-Mumbai  
B SC ( ChemEngg) ,REC Rourkela  
Post Diploma in Industrial Safety, TEB Gujarat

**Research Interest:**

Chemical Engineering, Industrial Safety, Fertilizer Technology, QRA, Fire prevention & protection;  
Safety Laws etc.

**Publications:**

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**Industry Experience:**

Summary Table-

Sr. No.	Duration	Department & Organization	Positions held
1	Jan 1984 to Nov 2000	Research Centre, GSFC Ltd., PO Fertilizernagar	-Assistant Research Engineer -Sr. Research Engineer -Manager (Research)
2	Nov 2000 to Feb 2015	Safety & Fire Department, GSFC Ltd., PO Fertilizernagar	-Manager (Safety) -Sr. Manager (Safety) -Dy. GM (Safety) -Chief (Safety & Fire Service) Dy. MR
3	Feb 2015 to Feb 2018	Production Department, GSFC Ltd., PO Fertilizernagar	Chief (Production – Acid, PG & FB Plants) Dy. MR
4	Feb 2018 to till date	I & MB Department, GSFC Ltd., PO Fertilizernagar	Chief (I & MB) & Dy. MR

The details of Industry work experience is given in trailing pages.

**Courses Taught:**

Safety in Chemical Industry; Safety Laws;

**Conference & Seminars:**

Attended many Seminars on Industrial Safety as delegate from GSFC Ltd. Also presented papers in four Conferences & Seminars.

**Awards & Honours:**

Awarded rank/s in Slogan Competitions in GSFC.

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## Details of the Work Experience:

### A) Research, Development, Environment and Project experience:

This work includes career's first *seventeen* years (from Jan 1984 to Nov 2000) at the corporate *Research Center* of M/s Gujarat State Fertilizers & Chemicals Ltd, Vadodara, Gujarat, India at various positions ranging from Astt Research Engr to Mgr (Research).

The brief work summary is:

- Association with laboratory scale process development.
- Design, procurement, operation of multipurpose Pilot plants.
- Scale up operation in Pilot Plant for data collection, product manufacture etc.
- Implementation & commissioning of the project of India's first commercial RO seawater desalination Plant.
- Associated with Company's environment pollution control programs. Also served as a member of Task Force on Environment.
- Team member of several process development projects. e.g. HAS Crystal Project.
- Procurement, commissioning of various pilot plant equipment. e.g. Chilling Plant for HAS Crystal Project.
- Publication of papers & giving Seminars / lectures on research topics.
- Involved in offering Technical Services/ advice to production Plants. e.g. MEK Oxime Plant.
- Associated with several Effluent utilization & treatment projects. e.g. Recovery of value added chemicals from Waste Liquors of Capro I & Capro II Plant.

### B) Safety & Fire related experience:

For more than fourteen years (From Nov 2000 to Feb 2015), was working at the Safety & Fire Department of M/s Gujarat State Fertilizers & Chemicals Ltd, Vadodara, India (a *ISO 9002/ 14001 /OHSAS 18001* certified & *Responsible Care logo accredited*) leading a team of Safety Representatives, Safety Officers, Firemen & DCOs and Fire Officers . (Total 70 team members).

#### Positions held:

- Chief (Safety & Fire Services) Dy MR (OHSAS 18001)

from June 2013 to Feb 2015.

- Dy. General Manager (Safety) --July 2010 to June 2013.

- Sr. Manager (Safety) --Nov 2002 to July 2010

- Manager (Safety) --Nov 2000 to Oct 2002.

The safety & fire related work mainly includes:

- Interpretation, implementation, licensing, advising & ensuring compliance of various statutes in the Company.

- Obtaining statutory approvals for new schemes & projects from various statutory authorities like Director of Industrial Safety & Health Gujarat, C C E Nagpur etc--*Approval for about twenty schemes/projects obtained.*
- Accident / Incident /Near Miss:- prevention, investigation, reporting, record keeping, MIS and interpretation. ---*About 100 Reportable accidents & incidents investigated.*
- Conduct / Coordinate internal & external safety inspection and audits respectively. (Including British Safety Council Audit & as per IS 14998)---*I was a lead member of multi-disciplinary teams for the internal Safety inspections of 12 hazardous Plants.*
- Critical Review & participation in QRA,HAZOP studies, Pre commissioning safety surveys (PSSRs) for proposed modifications, (Management of Change) in Plants. ---- *HAZOP study of five major schemes done.*
- Procurement, periodical inspection, maintenance, of various safety appliances. --- *Since fourteen years, procurement of all safety appliances done for the factory including training & demonstration.*
- Conducting affairs of eleven Plant EHS Committees Meetings consisting of total 220 members as per statutory requirement as a Secretary--*about 260 meetings conducted.*
- Campaigning for safety by publishing quarterly *GSFC EHS Bulletin*, posters, circulars, Safety Quiz, Celebration of National Safety Week etc.—*have been leading the campaign of National Safety Week since eight years.*
- Preparation & updating of On Site Emergency Action Plan ,Safety Report , Safety Manual & conducting Rehearsals. (Mock Drills)--*Actively participated in about 80 Mock Drills. About 50 of them as Secretary-Mock Drill Observers Committee.*
- Safety Training ranging from workers to executives on various topics. -- *About 50 class room lectures, 30 PPE Demos & about 30 Site talks given.*
- Helping during real emergencies of ---*Fire & Ammonia, Acid, Oleum, Chlorine leakages & electric sub stations fire etc.*
- Maintaining & complying with various requirements of ISO 9001, OHSAS 18001& ISO 14001 laid down for the Safety Department since 13 years.
- Giving Safety clearances for Confined Space Entry Permits. Guiding for major Hot Work Permits in hazardous process Plants.
- Working for OHSAS 18001 & Responsible Care as a Core Team Member & Leader for Safety Department.
- Independently Conducted a Fire & Safety Audit of one separate Unit of the Company twice & gave valuable suggestions.
- Led a team of about 60 Fire personnel with 9 fire tenders, snorkel etc. Attending emergencies, Maintenance of fire tenders, firewater network, equipments etc.

### **C) Production experience:**

Since 21 2 1015 to 25 2 2018, Chief (Production – Acid, Phosphatic Group & Fertilizers Bagging Plants) Dy MR (OHSAS-18001) at GSFC Fertilizernagar, Vadodara.

Responsible for Production for: Sulfuric Acid Plants (2 Nos)- 1750 tpd total  
 Phosphoric Acid Plant-165 tpd  
 APS Fertilizer Plant-750 tpd  
 Fertilizer Bagging Plants (2 Nos)  
 Urea & Melamine Plants ( for one year only)

Above experience includes Achieving production targets, Production planning, budgeting, shutdown monitoring, coordination with services Depts., Maintaining environment standards, Maintaining specific consumption with respect to energy, utilities & raw materials, Maintaining quality of products & manpower control etc.

**D) Inspection & Monitoring Bureau ( I & MB) experience:**

Since 26 02 2018 to till date, Chief (Inspection & Monitoring Bureau) & Dy MR.I & MB is newly constituted Deptt (since 29 1 2018) to improve the efficiency of operations & stream lining of procedures.

Work done involves:

- Cost benefit analysis of implemented Schemes in Plants.
- To critically survey the assets of the Company esp. in Plants.
- To review procedure of sampling & analysis of rock phosphate.
- To review SOPs of Sikka Unit
- To review various systems, procedures for GATL & GSFC University.

Worked in about 23 different areas & submitted about 31 Reports to the management.

**E) GSFC University:**

Since 17 10 2018, additional responsibility of Dean- Safety & Fire faculty GSFC University.