



**CHT ACTIVITY COMMITTEE MEET ON**  
**BEST INSPECTION PRACTICES**

Refineries, Petrochemicals, Oil & Gas Installations and Pipelines

Organized by  
**CHT and MRPL**

# PROGRAM SCHEDULE

 **24<sup>th</sup> & 25<sup>th</sup> November 2022**

 **THE OCEAN PEARL, MANGALURU**

## Inauguration Ceremony

From	To	Programme
08:30	09:00	Registration of participants
09:00	09:15	Seating inside hall
09:15	09:20	Prayer and MRPL Anthem
09:20	09:25	Lamp Lighting Ceremony
09:25	09:35	Welcome of dignitaries to Dais
09:35	09:40	Welcome Address by GGM – TS
09:40	09:50	Theme Address by ED, CHT
09:50	10:00	Presidential Address by MD, MRPL
10:00	10:05	Vote of thanks by CGM – TS (E&I)
10:05	10:15	Group Photo
10:15	10:50	Tea Break

### Day 1: Technical Sessions

Sl. No.	From	To	Presentation By	Organization	Topic
1	10:50	11:00	Dr. Kannan Chandrasekaran, ED (R&D Center)	IOCL, R&D Center, Faridabad	Keynote address on Best Inspection Practices
2	11:00	11:20	Mr. Praveen MN	MRPL, Mangaluru	Challenges in Implementation of Risk Based Inspection software in Refinery – A case study
3	11:20	11:40	Mr. Tom Steinvooorte	ROSEN India Pvt. Ltd.	Inline Inspection Solutions For Challenging Pipelines
4	11:40	12:00	Mr. A Mashahary	IOCL, Barauni Refinery	Process Change Impact Assessment
5	12:00	12:20	Mr. Ajay Kumar Sharma	HMEL	RCA of SRU Reaction Furnace WHB Tube Leakage
6	12:20	12:40	Mr. Deepak Gupta , Mr. U. K. Verma	EIL	Integrity Assessment and Defect Mitigation of Mounded Storage Vessel
7	12:40	13:00	Mr. Gokuldas K K	BPCL, Kochi	Augmented reality-based (AR) laser scanning Confined space UAV inspections in PFCCU RxRg Systems
	13:00	14:00	<b>Lunch Break</b>		
8	14:00	14:20	Mr. Mukund Pilania	NRL	Analysis of failure in ground flare

Sl. No.	From	To	Presentation By	Organization	Topic
9	14:20	14:40	Mr. Rajnil Kalola	RIL	Best Inspection Practice and Critical case studies
10	14:40	15:00	Mr. R Rajagopal	IOCL, Haldia Refinery	Failure of universal expansion bellows in process gas duct in Wet Sulphuric acid unit at Haldia refinery
11	15.00	15.20	Mr. Pushkin Singh	MRPL, Mangaluru	Case Study on Ammonium Bisulphide Corrosion of Reactor Effluent Air Cooler Tubes in Hydrocracker Unit
12	15:20	15:40	Mr. Devang Majithia	HPCL, Mumbai	Corrosion Management – CUI Failure, Learnings And Improvements
	15:40	16:10	<b>Tea Break</b>		
13	16:10	16:30	Mr. Pushp Raj Patel	IOCL, Pipelines Head Office	Assessment and Identification of AC Induced Corrosion on Pipelines
14	16:30	16:50	Mr. Vikas Sainik	IOCL, Gujarat Refinery	Best Inspection Practices and Major Failures at Gujarat Refinery, IOCL
15	16:50	17:10	Mr. Manoj Akkad	Ami Polymers, Ankaleshwar	A Disruptive Inspection System – Potentially ‘No Inspection’
16	17:10	17:30	Mr. Varun Nidhi	Alethe Labs India Pvt Ltd	Construction Concurrent Digital Twin for Pipeline Health Monitoring and Maintenance
	19:30 onwards		<b>Entertainment Program with Gala Dinner at The Ocean Pearl Hotel, Pacific II Hall</b>		
			<b>End of Day 1</b>		

### Day 2: Technical sessions

Sl. No.	From	To	Presentation By	Organization	Topic
1	09:15	09:35	Mr. Krishnakumar V	BPCL, Kochi	“Risk Based Inspection” and “Integrity Operating Window” as tools for Integrity Management of Static Equipment
2	09:35	09:55	Mr. A P Patel	BPCL, Mumbai Refinery	Failure investigation of Reformer Pigtail tube and SDSS tube in sea water service
3	09:55	10:15	Mr. Deepak Kumar	MRPL, Mangaluru	A Case Study on Inspection, Monitoring and Assessment of Skirt-Cone Attachment Weld of Coke Drum in Delayed Coker Unit



Sl. No.	From	To	Presentation By	Organization	Topic
4	10:15	10:35	Mr. Bharat Singh Thakur, Mr. Rajesh Chitara	EIL	Root Cause Analysis of Cryogenic Tank Failure
	10:35	11:05	<b>Tea Break</b>		
5	11:05	11:25	Mr. Ankur Verma	BPCL, R&D, Greater Noida	Atmospheric Column Overhead Corrosion Control
6	11:25	11:45	Mr. Aditya Divvela	IOCL R&D Faridabad	Investigation of Reformer tube failure of Hydrogen generation unit (HGU) in an oil refinery
7	11:45	12:05	Mr. Manoranjan Singh	IOCL, RHQ (M&I), Delhi	Repeated failure of REAC Tubes in OHCU- a case study
8	12:05	12:25	Mr. Haresh K Sippy	TEMA India	Challenges in Inspection & Maintenance of leaking Screw-plug Heat Exchangers
9	12:25	12:45	Mr. G V .Gokula Kannan	GAIL (India) Ltd	Advanced Inspection Techniques for assessment of Weld Anomalies in Gas Pipelines
10	12:45	13:05	Mr. Kaushalendra Kumar	IOCL, Guwahati & Barauni Refinery	Repetitive failure of Heater Coil Return bend in Coker unit
	13:05	14:00	<b>Lunch Break</b>		
11	14:00	14:20	Mr. Deepak Agarwal	IOCL, Pipelines division	Best inspection and monitoring practices in pipelines
12	14:20	14:40	Mr. Anil Gautam	IOCL R&D Faridabad	Failure analysis of 30" crude oil pipeline – A case study
13	14:40	15:00	Ms. Sonali Nilesh Palekar	BPCL, Bina refinery	Best Inspection Practices
	15:00	15:30	<b>Tea Break</b>		
	15:30	16:30	<b>Question and Answer session</b>		
	16:30	16:45	<b>Key Takeaways by Convener</b>		
	16:45	17:00	<b>Vote of Thanks by CHT</b>		

### Day 3: Refinery Visit (Optional)

Sl. No.	From	To	Programme
1	09:15	13:00	MRPL Refinery Visit
2	13:00	14:00	Lunch

### For any Assistance

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## Mangalore Refinery and Petrochemicals Limited (MRPL)

Mangalore Refinery and Petrochemicals Limited (MRPL) is a Category 1 Miniratna CPSE under the MoPNG. The 15MMTPA capacity Refinery has been designed to process Crudes of various APIs, producing Naphtha, LPG, MS, HSD, Kerosene, ATF, Sulphur, Xylene, Bitumen along with Pet Coke and Polypropylene.

MRPL has an integrated Aromatic Complex (located at MSEZ) capable of producing Para Xylene & Benzene. MRPL has Two Captive Jetties in NMPA Port, SPM, While Oil Loading Facility, Rail Wagon Loading Silo and Truck Loading Silos for Petcoke. MRPL is having Marketing Infrastructure Depots at Kasargod (Kerala), Hindupur (AP), and Hosur (TN).

Shell MRPL Aviation Fuels and Services Limited (SMA) is a 50:50 joint venture between MRPL and Shell Gas B.V. (Shell), a step-down subsidiary of Royal Dutch Shell Plc, Netherlands markets ATF to airlines.

## About the Meet

ACM on Best Inspection practices in Refineries, Petrochemicals, Oil & Gas Installations and Pipelines intends to act as a common platform for all Oil and Gas Inspection fraternity to collaborate, share their best practices and dissemination of information.

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The technical sessions have been structured to spell out the issues connected with the theme of the meet. Technical deliberations during the ACM will include presentations on different topics in the related areas, case studies and recent developments. Dignitaries from best of Indian refineries are expected to participate in the meet and eminent speakers from Oil and Gas sectors across India are invited as resource persons to enlighten the event.

## Technical Sessions

The major topics to be covered in the ACM are as mentioned below

1. Major challenges faced in reliability of critical equipments in Oil & Gas sector and Pipelines
2. Case studies on critical failures and mitigation methods implemented
3. Innovation implemented in Inspection
4. Latest technologies trends in Inspection
5. Best practices followed for Oil & Gas sector and Pipeline inspection



## About Mangalore, Karnataka

Mangalore (or Mangaluru) is an Arabian Sea port and a major commercial centre in the state of Karnataka. It is famous for its banking industry and educational Institutions. It is home to Kadri Manjunath Temple, known for its bronze statues, and the 9<sup>th</sup>-century Mangaladevi Temple. Its Catholic sites include Milagres Church, dating to the 17<sup>th</sup> century and St. Aloysius Chapel, which features exquisite interior paintings. Tannirbavi and Panambur beaches are popular for sunset views.

## Places of Interest to see in Mangalore

1. Mangaladevi Temple
2. Kadri Manjunath Temple
3. Gokarnanatheshwara Temple
4. St. Aloysius Chapel
5. Tannirbavi Beach, Panambur Beach
6. Sultan Battery
7. Pilikula Nisargadhama (Botanical park and Zoo)

## How to Reach Mangalore

1. Direct flights from Delhi, Mumbai & Bangalore to Mangalore International Airport (IXE) and connecting flights from all major cities.
2. Direct Trains from all major cities in India which includes New Delhi, Mumbai, Bangalore, Chennai, Trivandrum and Kolkata. Mangalore Central (MAQ) and Mangalore Junction (MAJN) are two stations in Mangalore.

## Stay at Mangalore

1. The Gateway Hotel
2. The Ocean Pearl
3. Goldfinch
4. Hotel Deepa Comforts
5. Ginger Hotel
6. AJ Grand Hotel

## For Any Assistance

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