

Chairman Visits MRPL

Shri Arun Kumar Singh, Chairman of MRPL was in Mangalore from 24.12.2023 to 26.12.2023 for an official visit to MRPL. During his visit, he inspected the Desalination plant at Tannirbhavi, focusing on the project's expansion from 30 MLD to 40 MLD. Discussions with the management also centered on Green Energy initiatives.



Chairman Singh took the opportunity to tour the Phase-3 Control room, engaging with MRPL employees.



On December 26, he commenced the day with a Guard of Honor from the Central Industrial Security Force (CISF) Unit in front of the administration building.



A significant highlight of the visit was the laying of the foundation stone for the **Power System Upgradation Projects** adjacent to CPP 1 & 2, specifically in the east side 100KV grid area. The project aims to establish grid connectivity at 220/33 KV levels to the Refinery and at 110/33 KV levels to the Aromatics complex. Additionally, it aspires to import 100 MVA for the Refinery and 35 MVA for Aromatics Complex, thereby minimizing dependency.



Chairman paid a visit to the MRPL Technical Services-R&D department, aiming to engage in discussions about the future trajectory and the pivotal role of research and development (R&D) and innovation in the company's advancement. Welcoming the chairman, the R&D team provided an overview of ongoing projects, and the Chairman inaugurated six key R&D initiatives:



- Real Time Optimizer for CPP.
- Real Time Prediction of MFI & XS for PPU.
- Real Time Optimizer For PFCC Unit.
- AI Based Early Warning System for CHT RGC.
- Deodorizing Unit.
- Super Hydrophobic Skimmer.



During the meeting, the R&D team showcased their accomplishments, highlighting the recognition received with the Best Innovation award for two consecutive years from MoPNG, GOI, and the filing of a total of 19 patents, with 7 already granted. The application of artificial intelligence (AI) and machine learning (ML) in various aspects was thoroughly discussed with the chairman.

Expressing his admiration for the remarkable achievements of the R&D team within a relatively short timeframe, the Chairman commended their dedication and success. He specifically acknowledged the team's efforts in leveraging AI for process enhancements, underscoring the transformative potential of AI in shaping the future and its versatile applications to boost plant efficiency.

The Chairman stressed the importance of prioritizing the exploration and implementation of AI applications in MRPL R&D. He encouraged a strategic focus on automating plant units to achieve precision and economic efficiency in various operational facets. The emphasis on AI for process optimization and streamlining across all units was a key takeaway from the Chairman's address, signifying a commitment to harnessing technology for enhanced performance and operational excellence.

Chairman Singh also performed the Bhoomi Pooja for the **ISO-BUTYL BENZENE (IBB) Pilot cum Demo plant (200TPA)** near PFCC east area. This project, for which MRPL holds a patent, involves the production of IBB—an Active Pharmaceutical Ingredient used in painkillers and the perfume industry. The innovative process utilizes captive feedstock available within MRPL.



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