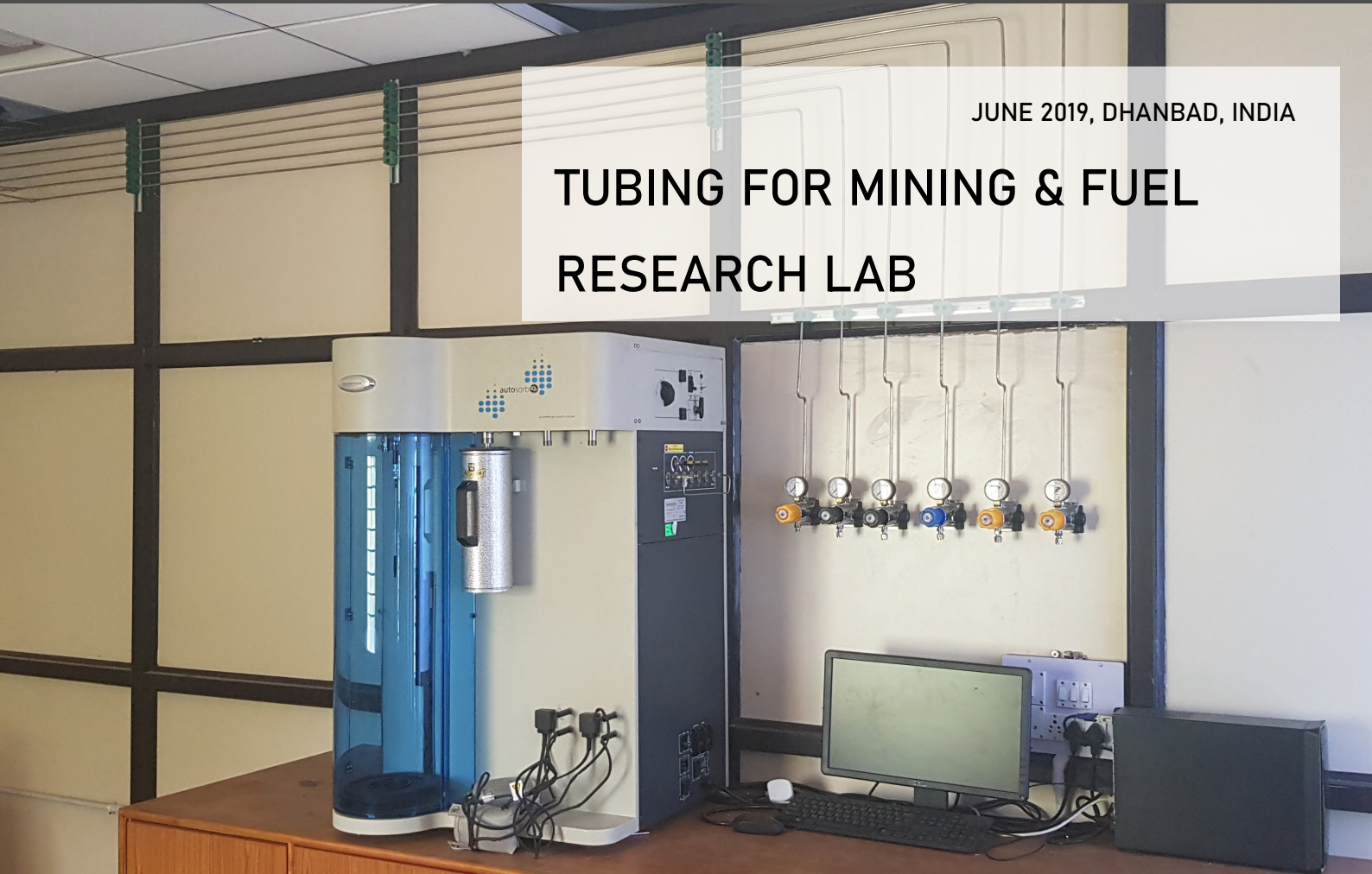


JUNE 2019, DHANBAD, INDIA

TUBING FOR MINING & FUEL RESEARCH LAB

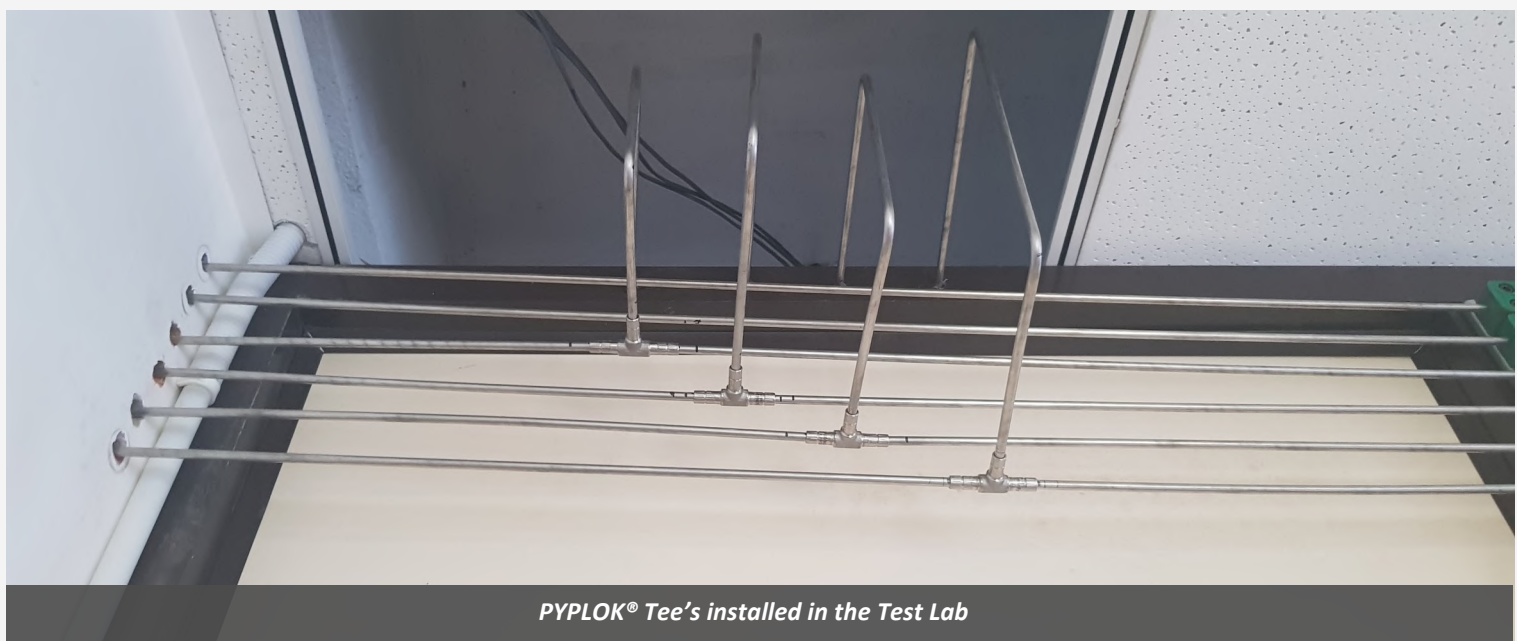


Aneer Engineers, a leading gas solutions provider was awarded with the tubing work (about 1300 m) for a Mining & Fuel Research Lab in CSIR-CIMFR (Central Institute for Mining and Fuel Research) - a Govt, of India Undertaking. They chose PYPLOK® for connecting their tubes due to the time advantage and convenience it provides.

The piping had to be done for variety of Gases like Nitrogen (N₂), Oxygen(O₂), Carbon Dioxide (CO₂), Carbon, Monoxide (CO), Helium (He), Hydrogen (H₂), Argon (Ar), Methane (CH₄), Krypton (Kr), Xenon (Xe), Sulphur Dioxide (SO₂) and Acetylene (C₂H₂). All lines were had a sizing of 1/4" OD.

The project involved installation of the fitting in heights and difficult to access areas which was an ideal use case for PYPLOK® due to its well designed tool which can fit into tight spaces and the ease of installation it offers.

The Project can be divided into two systems based on the Supply Point and the Receiving Labs. **A) The Left Side System** which serves four Labs and its corresponding manifold station and **B) The Right Side System** which serves the GC-MS, Chromatography lab and two other labs from its manifold station.

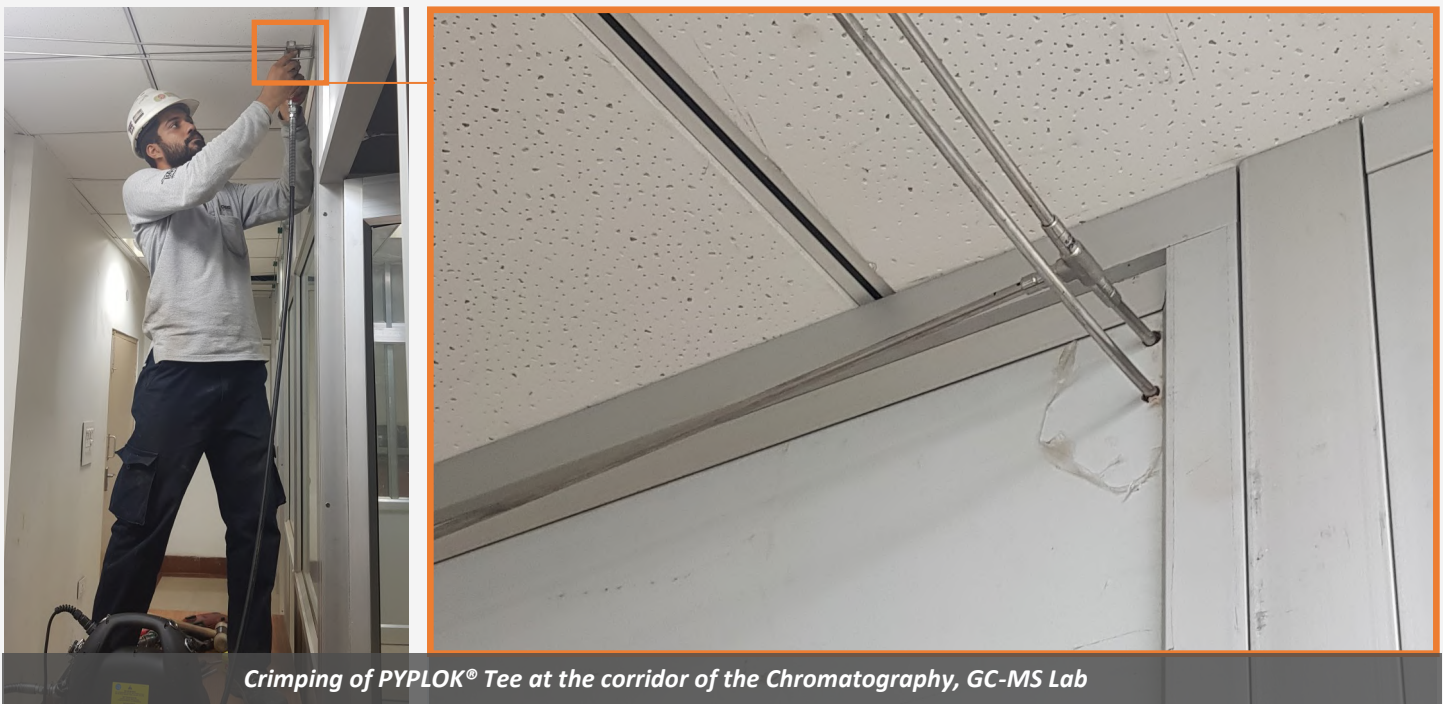




Tubing outside the lab complex



Tubing at the internal corridors



Crimping of PYPLOK® Tee at the corridor of the Chromatography, GC-MS Lab



Above images showing the PYPLOK® installer installing PYPLOK® onto the tubing. As seen above, the installation in sequence- **a) Check and prepare the tube end b) Crimp the fitting and c) Check and verify for proper crimp.**

PROJECT SPECIFICATIONS

1	Line Sizes	Imperial OD - 1/4", approx. 1300 metre length
2	Non-Welded Piping Technology Used	PYPLOK® - SS316L
3	Scope of Work	PYPLOK® Installation and Check
4	Pressure Rating	4 -10 Bar (based on the line)
5	Medium	Gases - Nitrogen (N2), Oxygen(O2), Carbon Dioxide (CO2), Carbon Monoxide (CO), Helium (He), Hydrogen (H2), Argon (Ar), Methane (CH4), Krypton (Kr), Xenon (Xe), Sulphur Dioxide (SO2) and Acetylene (C2H2)

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