

1. Calibration of inline ultrasonic flow meters of size 12" at Water Flow Laboratory
2. Mass flow meter of size 1" calibration at Oil Flow Laboratory
3. Flow elements Calibration at Air Flow Laboratory
4. Operational test and Hydraulic frictional loss test on Butterfly Valves
5. Calibration of multipath insertion type ultrasonic flow meters at WFL
6. Testing of 20" valve at Water Flow laboratory
7. Calibration of PD meter at Oil Flow laboratory
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9. On-site Testing of Dredger pump
10. Testing of 350mm NRV
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1. Calibration of inline ultrasonic flow meters of size 12" at Water Flow Laboratory

20-Point Calibration of inline ultrasonic flow meters of size 12" was performed at Water Flow Laboratory by gravimetric method



Calibration of inline ultrasonic flow meters of size 12" at WFL

2. Mass flow meter of size 1" calibration at Oil Flow Laboratory

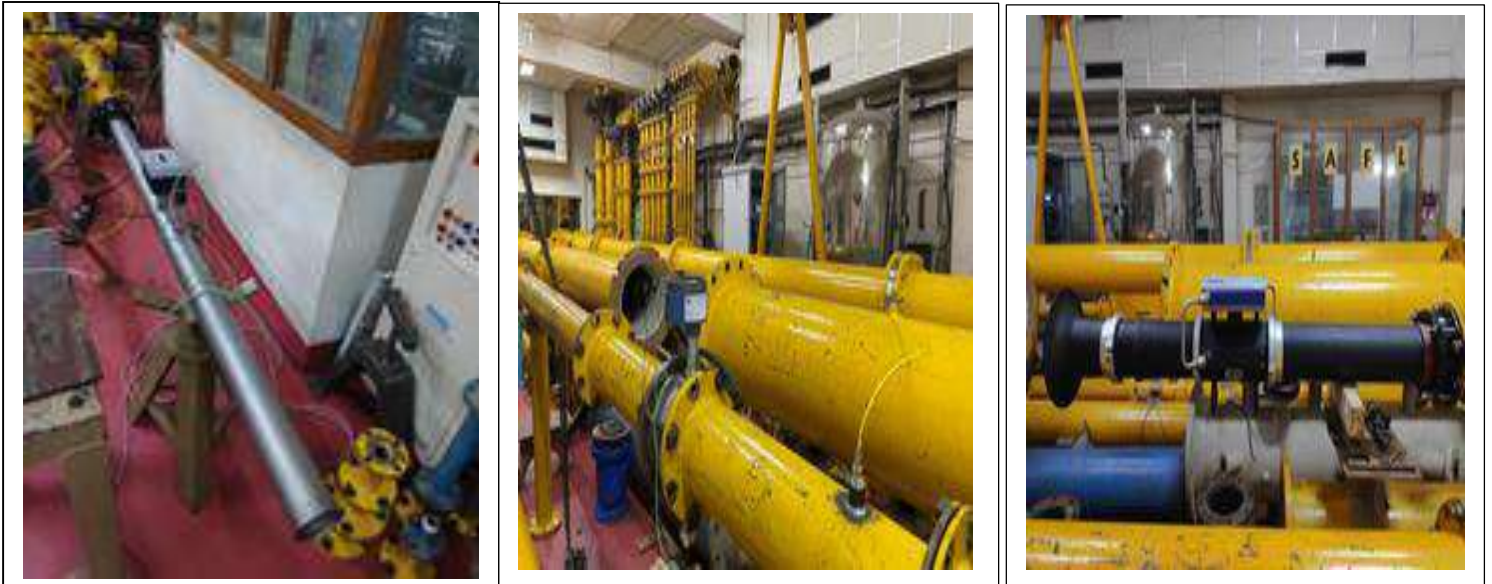
Mass flow meter of size 1" was calibrated at Oil Flow Laboratory.



Mass Flow Meter Calibration at OFL

3. Flow elements Calibration at Air Flow Laboratory

Various Flow elements such as Mass flow meter/Blow By meter/Laminar flow elements/CFO were calibrated at Air Flow Laboratory



Flow elements Calibration at Air Flow Laboratory

4. Operational test and Hydraulic frictional loss test on Butterfly Valves

Operational test and Hydraulic frictional loss tests on butterfly valves of sizes 50 mm to 150 mm were performed at the Valve Cavitation and Research Centre (VCRC). The tests were part of UL certification of valves.



Test on Butterfly Valve in Valve Cavitation and Research Centre of FCRI.

5. Calibration of multipath insertion type ultrasonic flow meters at WFL

Calibration of 3" and 4" (Qty-06) multipath insertion type ultrasonic flow meters were performed at Water Flow Laboratory.



Calibration of multipath insertion type ultrasonic flow meter

6. Testing of 20" valve at Water Flow laboratory

Cv testing of 20" Control valve was conducted at Water Flow Laboratory



Testing of 20" valve at WFL

7. Calibration of PD meter at Oil Flow laboratory

PD meters of various sizes were calibrated at Oil Flow Laboratory



Calibration of PD meter at OFL

8. Lot Acceptance Testing of water meters

Lot acceptance testing of 3 sets of water meters of size 15mm were conducted for three separate clients.



9. On-site Testing of Dredger pump

On-site Testing of Dredger pump was performed at installed location at Kochi. Pump discharge were measured at various delivery heads. The test was witnessed by Officials from Irrigation Department, Govt. of Kerala. Clamp-on Ultrasonic flow meter was used as reference for the measurement of discharge.



10. Testing of 350mm NRV

Testing of 350mm Non-Return Valve (NRV) was conducted by K Value was determined at zero degree orientation of valve. Flow test was carried out at forward conditions with single inlet (14") and single outlet configuration (14"). The test was conducted at various flow rates and same was measured through 14" outlet of NRV. During the test, the leakage flow was measured through 24" outlet of NRV Valve. The flap inside NRV was kept at 55 deg., 65 deg. and 75 deg. opening position. The opening position was locked by welding SS material on to the flap angle body. The static pressures and differential pressures at various locations was logged during test runs. The test was conducted with main flap fixed at a particular angle throughout the test.



11. Mass flow meter (6") Calibration at Oil Flow Laboratory

6" mass flow meter was calibrated at Oil Flow Laboratory of FCRI.



Calibration of 6" mass flow meter at OFL

12. FCRI Foundation Day

The 33rd Foundation Day of FCRI was celebrated on 18 April 2022. The 2022 Foundation Day lecture was delivered by reputed psychologist Shri C K Suresh of ATMA Foundation.

A cultural night was celebrated the same evening where employees superannuating during the year were felicitated. This was followed by Bharathanatyam recital by Kalamandalam Jancy Sanu and her team.



Foundation Day Lecture



Foundation Day Lecture Session



Foundation Day Cultural nite inauguration by lighting of lamp



From Foundation Day Cultural nite

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