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फ्लूइड कंट्रोल रिसर्च इंस्टिट्यूट, पालक्काड
FLUID CONTROL RESEARCH INSTITUTE, PALAKKAD

An ISO 9001-2015 Certified Establishment

ISO/IEC 17025 Accredited Testing Laboratory by NABL vide Certificate Number TC-7402

An Autonomous R&D Organisation under Ministry of Heavy Industries, Govt. of India.

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एफ.सी.आर.आई.



CERTIFICATE OF TESTING

INGRESS PROTECTION TEST (IP68)
OF WATER METER FOR

M/S MEGA WORKER PRIVATE LIMITED, WARD NO 3,
GAS GODAAM ROAD, ANNA HAZARE CHOWK, MEHU WALA
MAFI, DEHRADUN - 248171, UTTARAKHAND, INDIA.



TC-7402

ULR No.TC740226210000008F

Electro Technical Laboratory

Certificate No.: T21/260087/008

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Date of Receipt	Date of Testing	Date of Issue
28.04.2026	28.04.2026 & 29.04.2026	30.04.2026

Details of Device Under Testing (DUT) :

Nomenclature	Water Meter			
Make	Model No.	Size	Sl. No.	TEST
METRYS	16112025	15mm	600638	IP 6X
			600620	IP X8

Condition of Item (DUT) Received: New

Summary: Water Meter was tested for IP 68 test as per IEC 60529 Ed-2.2 2013-08

Details of Reference Instruments:

Name	Make	Model	Sl. No	Cal due
Dust test chamber	WIESS TECHNIK	ST 1000 U	22600939	05.02.2027
Pressure gauge	KOBOLD	---	1387439	05.02.2027
Dry gas meter	SCHLUMBERGER	---	13018837	06.02.2027

Results: Water Meter conforms to IP68 standards

Tested by

Sahabudheen S

S Jeeja

Report Prepared by

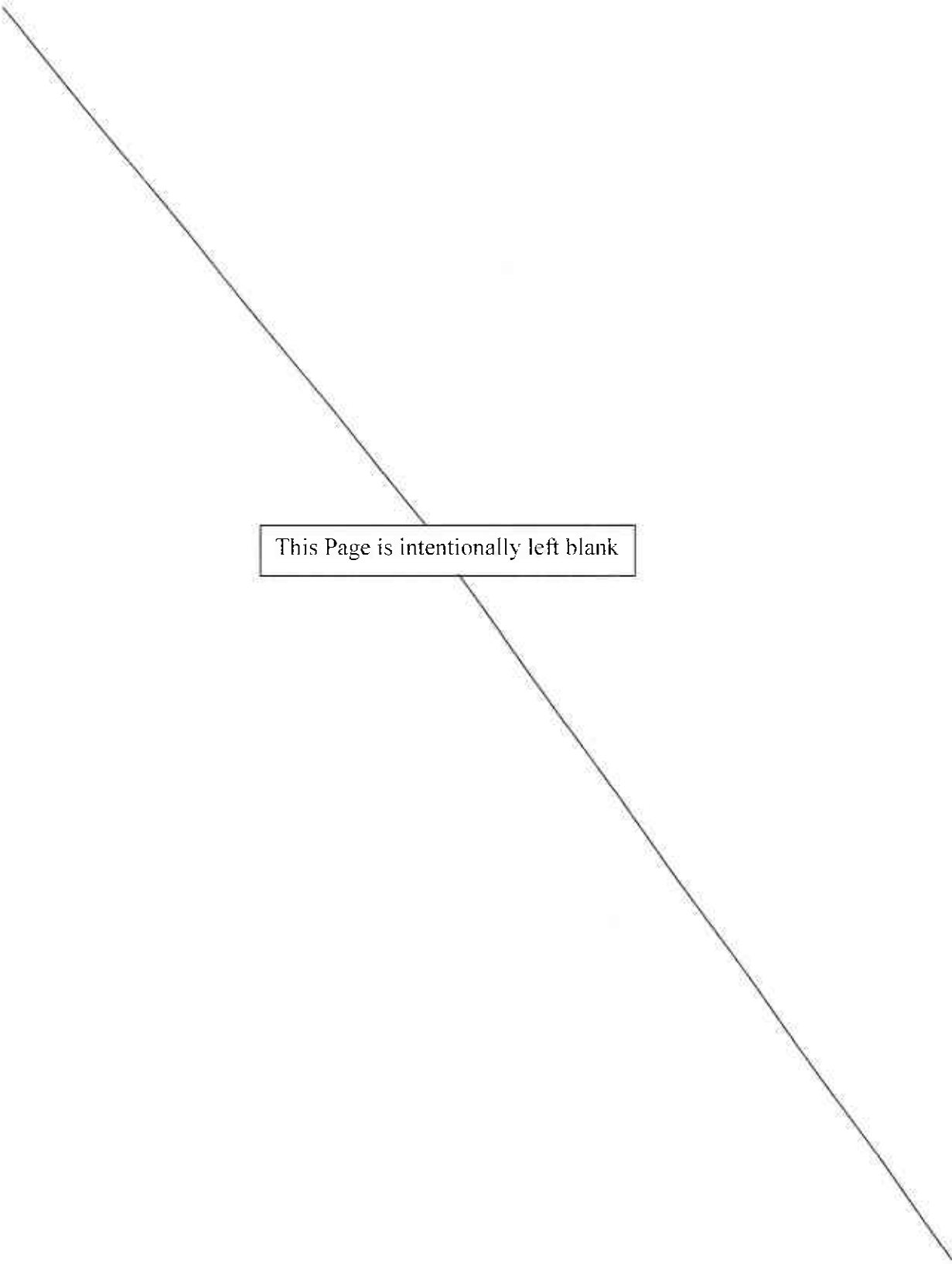
Sahabudheen S

Report Checked by

S Jeeja

Approved by

Dhanya M P, CRE



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1 Test Procedure

Ingress Protection Test -IP 6X

The IP 6X test was conducted on the sample as per the test procedure specified in the standard IEC 60529 Ed-2.2 2013-08 (section 13.4), for a period of 8 hrs.

Ingress Protection Test -IP X8

The IP X8 test was conducted on the sample as per the test procedure specified in the standard IEC 60529 Ed-2.2 2013-08 (section 14.2.8). The test unit was immersed in water at a depth of 1.5m for a period of 4 hrs.

2 Observations & Result

The Ingress protection tests were conducted as per section 1. The observed conditions are as below.

- Ingress Protection Test – (IP 6X): There was no deposit of dust particles inside the water meter.
- Ingress Protection Test – (IP X8): There was no ingress of water droplets inside the water meter.



Figure A: IP X8 testing



Figure B: DUT After IP X8 test(Open Condition)

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Figure C: DUT Before IP 6X testing

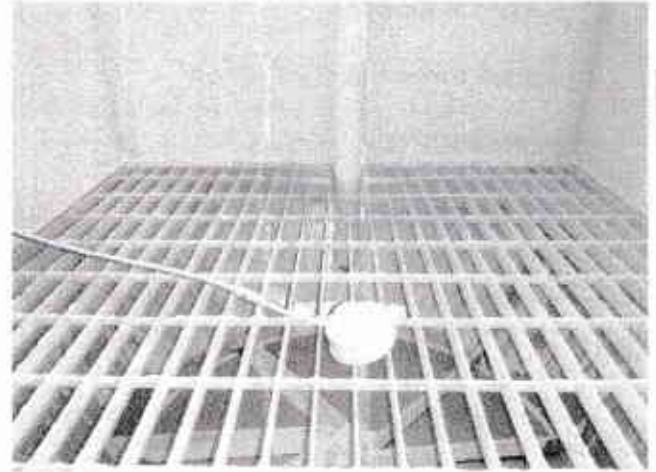


Figure D: DUT After IP 6X testing



Figure E: DUT After IP 6X test (Open Condition)