



# **AVONE GROUP**

**Work Together, Grow Together**

**(An ISO 9001 : 2015 Company)**

**AVONE System & Controls**

**AVONE TechSys Pvt Ltd**

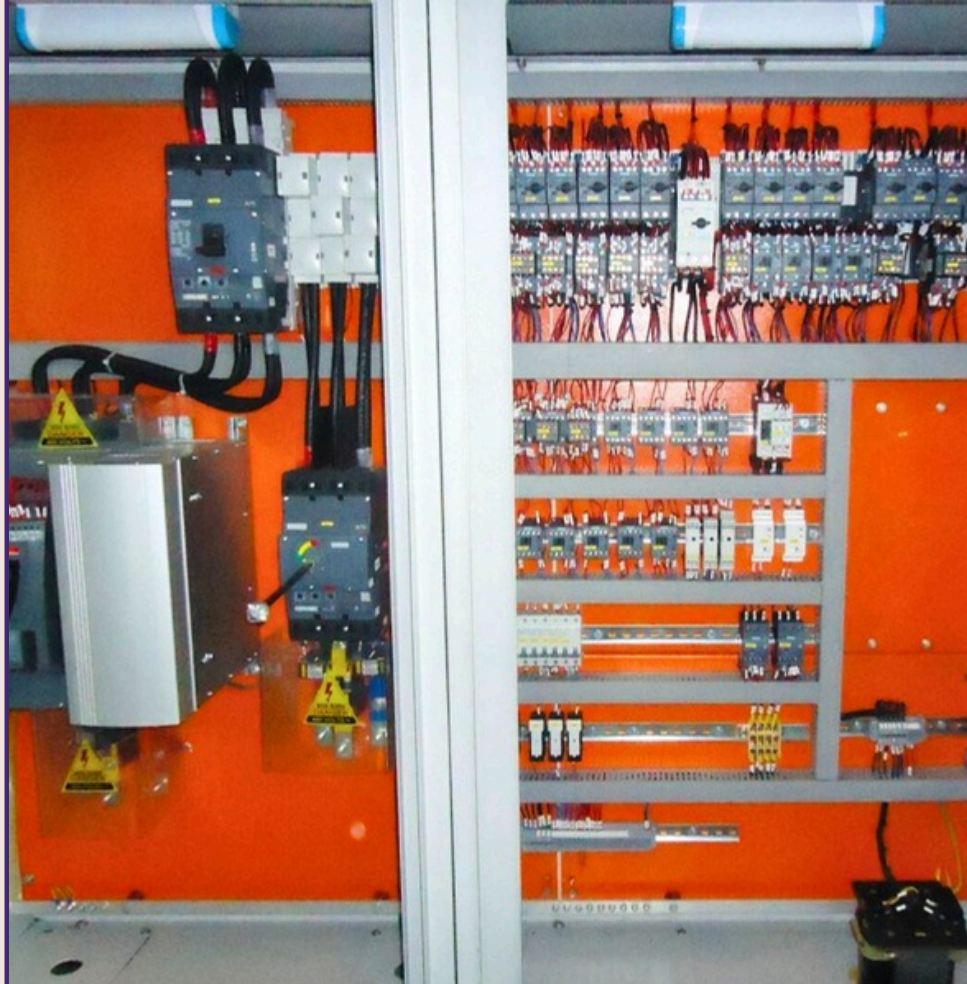
**Comprehensive Engineering, Precision Switchgear Manufacturing  
and Advanced Automation for Modern Distribution Systems**



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# About Avone

Founded in 2007 with just two dedicated professionals and a modest workspace, AVONE has grown into a trusted name in the field of custom-built low-voltage switchgear and automation systems. Our journey began with a vision – to combine engineering excellence with uncompromising quality, creating solutions that drive industries forward.

The company's founders and directors, Mr. A.K. Verma and Mr. Vipin K. Goel, are qualified Electrical Engineers with decades of combined experience. Having served in renowned organisations such as M/s CIMMCO Birla Limited and M/s McNally Bharat Co. Ltd., they brought to AVONE a deep understanding of industry requirements, robust technical expertise, and a passion for innovation.

From our humble beginnings, AVONE has expanded into an enterprise with over 56,000 sq. ft. of world-class infrastructure, spread across multiple manufacturing and office facilities.

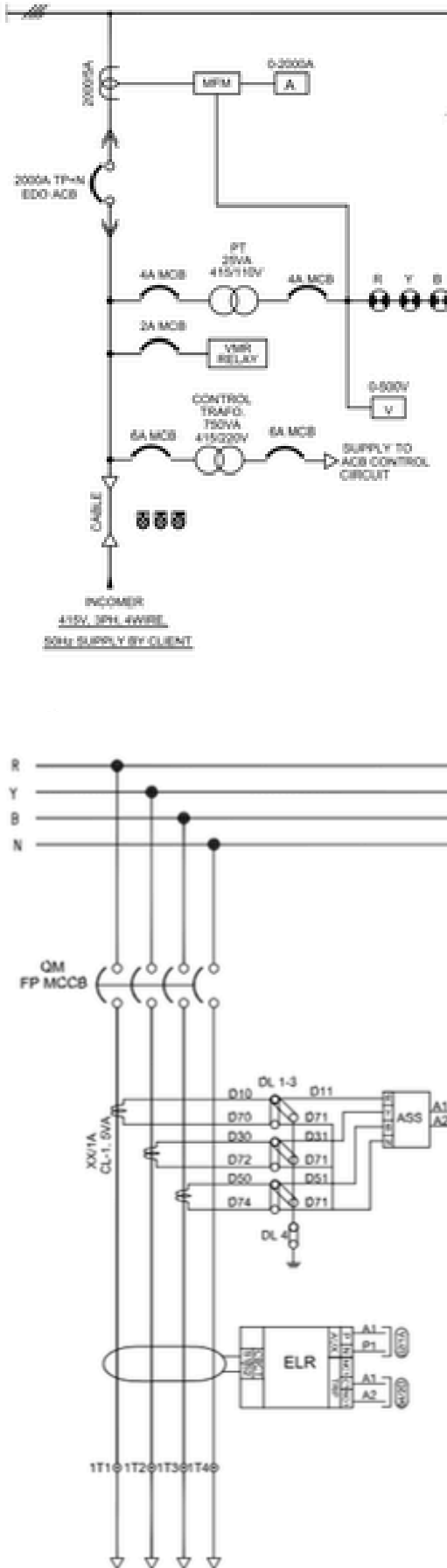
We specialise in complete turnkey execution of electrical, instrumentation, and automation projects across diverse sectors:

- Medium & Large Cement Plants
- Hydel Power Projects
- Material Handling, Crushing & Screening Facilities
- Chemical & Fertilizer Plants
- Steel Plants & Coal Washeries
- Large-scale Commercial Complexes & Residential Developments

As a "Class A" Contractor, AVONE is committed to delivering projects with unmatched precision, reliability, and efficiency. Our engineering teams blend advanced design capabilities with hands-on execution, ensuring every project meets the highest standards of quality and safety.

With every project, AVONE reaffirms its role as a partner in progress – powering industries, enabling growth, and engineering the future.

**"Total customer satisfaction is not a goal—  
it's our way of doing business."**





# Core Capabilities



## Turnkey Electrical Projects

Complete solutions — from concept design to final handover — tailored to client requirements



## Custom-Built Low Voltage Switchgear

Precision-engineered panels for reliable and safe power distribution



## Industrial Automation & Control Systems

Smart, efficient, and future-ready systems for process optimisation



## Project Engineering & Design

Detailed electrical and instrumentation design for diverse industrial sectors



## In-House Manufacturing & Assembly

State-of-the-art facilities delivering quality with consistency



## On-Site Installation & Commissioning

Seamless integration and testing for operational readiness



## Maintenance & Support

Ensuring long-term reliability and performance of your systems



# ***Electrical & Power Systems***

## **Turnkey Electrical Projects**

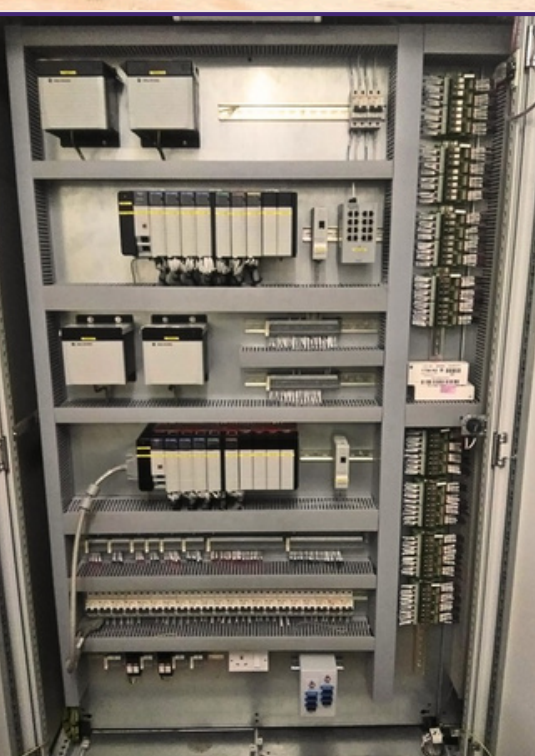
From design to commissioning, delivering safe and reliable operations

## **Custom Switchgear Manufacturing**

Precision-built LV panels tailored to client specifications

## **Energy Efficiency Solutions**

Optimising systems to reduce energy usage and operating costs



# ***Automation & Control***

## **PLC & SCADA Integration**

Seamless automation for smarter, faster, and more accurate control

## **Industrial IoT (IIoT)**

Real-time data monitoring and analytics for informed decisions

## **Process Optimisation**

Automated solutions designed to maximize efficiency and minimize downtime



# ***Project Services***

## **Engineering Design & Documentation**

Detailed electrical layouts, schematics, and BOM preparation

## **On-Site Installation & Testing**

Professional integration with rigorous quality checks

## **Commissioning Support**

Ensuring smooth system startup and optimal performance



# Infrastructure & Product Capabilities



## Modern Manufacturing Facility

Equipped for custom-built low voltage switchgear & automation systems



## Comprehensive Design Department

CAD, simulation, and electrical design expertise



## Precision Fabrication & Assembly

State-of-the-art tools & skilled technicians



## Electrical Testing Laboratory

Compliance with IS/IEC standards



## In-house PLC & Control Programming

Seamless automation integration



## On-site Installation Support

Safe & efficient deployment



## Dedicated QA & Inspection Team

Ensuring reliability & performance



## Custom Panel Solutions

PCC, MCC, AMF, synchronising panels, and more



## Integrated Logistics & Dispatch

Timely delivery across India



## Client-Centric Engineering Support

From concept to completion





# Product Suite



## Power Distribution Panels

- Power Control Centers
- AC / DC Distribution Boards
- LT Switchboards
- LT / MV Switchgear
- LT Bus Ducts



## Plant Equipment Panels

- Motor Control Centers (MCC)
- Incoming / AMF / Auto Load Sharing / Synchronizing Panels
- VFD Panels
- Soft Starter Panels
- DG Set Panels
- AC/DC Motor Starter Panels



## Control Panels

- Control Cabinets
- Control Desk with Hardwired MIMIC
- PLC/DCS/Motion Control
- SCADA/Operating Station



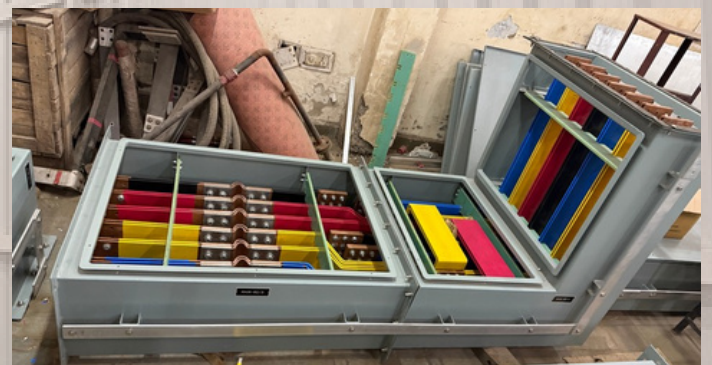
## Auxiliary Panels

- Automatic Power Factor Correction
- Local Push Button Station
- Feeder Pillars / Kiosks / Marshalling Boxes
- Junction Box
















# Certificates




## TEMPERATURE RISE 4000A

# ISO 9001:2015

## SHORT CIRCUIT TEST - 70KA

CENTRAL POWER RESEARCH INSTITUTE		 <b>CPRI</b>
TEST REPORT		
Test Report Number	: CPRI/NOAH/MVSC25T0376	Date: 12 June 2025
Name and Address of the Customer	M/s. Avione System and Controls F - 287, Sector - 63, Noida - 201301 (UP)	
Name and Address of the Manufacturer	M/s. Avione System and Controls F - 287, Sector - 63, Noida - 201301 (UP)	
Particulars of sample tested	415 V/ 4000 A, 3 Phase, Busduct Non Segregating / Air Insulated	
Type	Refer Sheet 2 of 6	
Description of test sample	NI	
Serial Number	One	
Number of samples tested	One	
Date(s) of Test(s)	09 June 2025	
CPRI Sample code Number(s)	NOAH/MVSC250453	
Particulars of tests conducted	Refer sheet 3 of 6	
Test in accordance with Standard Specification	As per customer requirement	
Sampling Plan		
Customer's Requirement		
Deviations if any		
1 Temperature rise test to be conducted following general procedure of IEC 61439-1: 2004 & IEC 61439-6: 2012 2 Tests to be conducted on the busduct of length 3.6 meters		
Customers representative	NI	
Other than customer's representatives	1 Mr. Rajkishor Singh 2 Mr. Sanjeev Kumar	
Test subcontracted with address of the laboratory	NI	
Documents constituting this report (in words)	NI	
Number of Sheets	Six	
Number of Oscillograms(s)	NI	
Number of Graphs	NI	
Number of Photographs	One	
Number of Test Circuit Diagram(s)	NI	
Number of Drawings(s)	Four	
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">   <b>L.N. GIRI</b>            Engineering Officer Gr. 4            Reviewed and Authorized by         </div> <div style="text-align: center;">  </div> </div>		
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="text-align: center;">   <b>S.K. KUMAR</b>            Test Engineer         </div> <div style="text-align: center;">  </div> </div>		





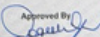
[illegible]

<b>CENTRAL TEST REPORT INSTITUTE</b> <b>TEST REPORT</b>	
<b>Test Report Number</b> : CPRI/BLSTN/MBSC24T0002	<b>Date</b> : 07 February 2024
<b>Name and Address of the Customer</b>	: Avione Systems and Controls F-287, Sector-63, Gaudam Buddha Nagar, Noida, Uttar Pradesh, 201307
<b>Name and Address of the Manufacturer</b>	: Avione Systems and Controls F-287, Sector-63, Gaudam Buddha Nagar, Noida, Uttar Pradesh, 201307
<b>Particular of Sample Tested</b>	: 415V, 4000A, 1.L Panel (Non Extendable)
<b>Condition of sample(s) on receipt</b>	: New
<b>Type</b>	: Power Cum Motor Control Centre
<b>Description of test sample</b>	: Refer sheet 2 of 6
<b>Serial Number</b>	: AS/CC/CPRI/SC001
<b>Number of Samples Tested</b>	: One
<b>Date(s) of Test(s)</b>	: 03 January 2024
<b>CPRI Sample code Number(s)</b>	: STN/MS/C24S0004
<b>Particulars of test(s) conducted</b>	: Verification of the short circuit withstand strength test.
<b>Test(s) in accordance with Standard/Specification</b>	: As per customer's requirement and procedure generally followed as per CI.10.11.5.3.2 to 10.11.5.3.5 of IS/IEC:61439-1, 2011 & IS/IEC:61439-2, 2011
<b>Sampling Plan</b>	: Nil
<b>Customer's Requirement</b>	: SCWS test to be conducted on busbar only
<b>Deviations, if any</b>	: SCWS test was conducted on busbar only.
<b>Name of the witnessing persons</b>	: Mr. Sumit
<b>Customer's representative</b>	: Nil
<b>Other than Customer's representatives</b>	: Nil
<b>Test subcontracted with and address of the laboratory</b>	: Nil
<b>Documents constituting this report (in words)</b>	
Number of Sheets	: Six
Number of Oscillogram(s)	: Two
Number of Graph(s)	: Nil
Number of Photograph(s)	: One
Number of Test Circuit Diagram(s)	: Two
Number of Drawings(s)	: Four
<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">   <b>(Prabhashu Jain)</b>  <b>Test Engineer</b> </div> <div style="text-align: center;">  </div> <div style="text-align: center;">   <b>(Himangshu Rishi)</b>  <b>Head of Division</b>  <b>Reviewed and Authorized by</b> </div> </div>	
<div style="display: flex; justify-content: space-between;"> <div> <b>DISPATCHING TESTING &amp; DELIVERY STATION</b>            GOURPURUA, BHOPLA - 462002 M.P., INDIA            Telephone : +91(0)755 258662 Fax : +91(0)755 258774         </div> <div style="text-align: right;"> <b>Sheet No. 1 of 6</b> </div> </div>	

**IP 55**

**IP 65 AS PER IEC 60529**

**IP 65**

	<p>भारत सरकार Government of India</p> <p>राष्ट्रीय प्रमाणन एजेंसी (एनईए) National Testing House (NTE)</p> <p>कमला नेशनल टेस्टिंग हाउस, एनआईटी रोड KAMLA NATION TESTING HOUSE, ENI ROAD</p> <p>एनआईटी रोड एनईए</p>	 <p>BUREAU OF STANDARDS AND CALIBRATION</p> <p>एनआईटी रोड एनईए</p>
<p>1190094</p>	<p><b>TEST CERTIFICATE</b></p>	<p>INTERRAPPAL REPORT</p>
<p>परिचय पत्रिका का सं. / Test Certificate No.</p> <p>1190094</p>	<p>करी डेटे की तिथि / Date of Issue</p> <p>07/03/2019</p>	<p>पृष्ठ सं. / Page</p> <p>1</p>
<p>परिचय पत्रिका का सं. / Issued To</p> <p>विश्व कौशल केंद्र</p>	<p>कोड सं. / Code No.</p> <p>144928723627</p>	<p>पृष्ठ की संख्या / No of Pages</p> <p>2</p>
<p>पता / Address</p>	<p>AVONE SYSTEM &amp; CONTROLS</p> <p>F-287, sector 43, NOIDA-201307</p>	
<p>प्राप्तक का संदर्भ सं. / Customer's Ref. No.</p>	<p>NIL</p>	<p>Date: 30/11/2002</p>
<p>परिचय सं. एवं दिनांक / Ref No &amp; Date</p>	<p>00115/NTH/ENR(LIA)/22/02/2019</p>	
<p>परिचय का पत्रिका का विवरण / Description of Test Item</p>	<p>Panel box (Size:650mmx500mmx200mm)</p>	
<p>परिचय का पत्रिका का सं. / Identification of Test Item</p>	<p>AVONE MAKE Panel box for IP 55</p>	
<p>नमूना का विवरण ( यदि हो ) / Product Specification (If any)</p>	<p>IS/IEC 60529 - 2001</p>	
<p>नमूना प्राप्ति की तिथि / Date of Receipt of the Test Item</p>	<p>07/02/2019</p>	
<p>कॉर्ड परमाण्वीय की तिथि / Date(s) of Performance of Tests</p>	<p>From: 25/02/2019 To: 07/03/2019</p>	
<p>आवृत्ति प्रमाणीयता का सं. / Method(s) used for Test</p>	<p>As per IS specification</p>	
<p>नमूना प्राप्ति का वही प्रमाणिक सं. / Sampling Procedure where relevant</p>	<p>NA</p>	
<p>Tested By</p> <p></p> <p>Manoj Pratap</p> <p>SA(Electrical)</p>	<p>Checked By</p> <p></p> <p>Nahar Singh</p> <p>Scientist-C (Electrical)</p>	<p>Approved By</p> <p></p> <p>Yogesh Singh</p> <p>Scientist-C (Electrical)</p>
<p>ULR-TC687019100000041*</p>		




## CLASSIC INSTRUMENTATION PVT. LTD.

C-45, Sector-65, Noida-201 307 (U.P.)

Ph: 0120-4278934, Contact : 9717699751


Email : classiclab@gmail.com, Website : www.classictestinglab.com



Cert. No. TC-5089

ULR: TC-508921105056653F

### TEST REPORT

Report No. ....	CITES/2K21/12/009
Date of Issue .....	08/12/2021
Total number of pages .....	04
Testing Laboratory .....	CLASSIC INSTRUMENTATION PVT.LTD
Address .....	C-45, Sector-65, Noida-201307 (U.P.)
Manufacturer name .....	AVONE SYSTEM & CONTROLS
	F-287,SECTOR-63,NOIDA-201301
Test specification .....	IP-65 As per IEC 60529
Summary of Test Result .....	Sample confirms to the requirement of IP65 Tests as per the Standard
	Product Name: Control panel
	Model No. / Type reference: IP65 Panel
	Brand / Trademark: AVONE
Test item description .....	
Sample Identification no(s) .....	CITES/2K21/12/009
Product Group .....	ENVIRONMENTAL TEST FACILITY
Discipline .....	Electrical
Tested by (Name + Signature + Function) .....	Hemanshu Sharma (Sr-Testing Engineer) 
Reviewed by (Name + Signature + Function) .....	Sunendra Kumar (Deputy Technical Manager) 
Approved By (Name + Signature + Function) .....	Diksha Sharma (Laboratory Head) 

Page 1 of 4

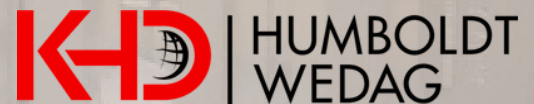
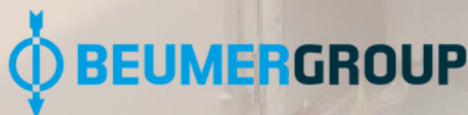
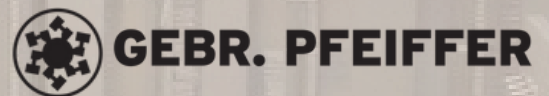
Test Report No: CITES/2K21/12/009



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	<p>नवीन संस्थापन Government of India राष्ट्रीय परीक्षण गृह (उद्योग) <b>National Test House (NRH)</b> बंगलूरु, भारत 560 022 KAMLA NAGAR, BANGALURU-560 002 पंजीकृत संस्थापन संख्या-2019022</p>	 <p>मंत्रालय MIN. DEFENCE उप-सचिव DEPT. SECRETARY</p>
<p><b>TEST CERTIFICATE</b></p>		
<p>1190095</p> <p>परीक्षण संख्या / Test Certificate No. : 1190095</p> <p>विशेष नमूना का ई-पत्र / E-LETTER TO :</p> <p>पता / Address :</p>	<p>करी कोरे की तिथि / Date of Issue : 07/03/2019</p> <p>कोड नं. / Code No. : 1549528723027</p> <p>पृष्ठ संख्या / Page No. : 2</p>	<p>परीक्षण की तिथि / Date of Test : 30/11/2002</p> <p>परीक्षण का प्रकार / Test Type : 00115NTH(NR)/EUA/22/302019</p> <p>परीक्षण का विवरण / Description of Test Item : Panel box (Size: 650mmx800mmx200mm)</p> <p>परीक्षण का प्रकार / Identification of Test Item : AVONE MAKE Panel box for IP-45 test</p>
<p>उत्पाक का नाम / Customer's Ref. No. : 001</p> <p>परीक्षण का विवरण / Register No. &amp; Date : 001</p> <p>परीक्षण का विवरण / Description of Test Item : 001</p> <p>परीक्षण का प्रकार / Identification of Test Item : 001</p>	<p>उत्पाक का विवरण / Product Specification (If any) : IS:IEC 60529-2001</p> <p>परीक्षण की तिथि / Date of Receipt of the Test Item : 07/02/2019</p> <p>परीक्षण का विवरण / Details of Performance of Tests : From : 25/02/2019 To : 07/03/2019</p> <p>परीक्षण का विवरण / As per IS specification : As per IS specification</p> <p>परीक्षण का प्रकार / Method used for Test : NA</p> <p>परीक्षण का विवरण / Sampling Procedure where relevant : NA</p>	<p>परीक्षण का विवरण / Test By : 001</p> <p>परीक्षण का विवरण / Design Protap : 001</p> <p>परीक्षण का विवरण / SAE(Electrical) : 001</p>
<p>Tested By:  Design Pratap SAE(Electrical)</p> <p>Checked By:  Nahar Singh SAE(Electrical)</p> <p>Approved By:  Yogesh Singh SAE(Electrical)</p>		
<p>ULR-TC67019100000041F</p>		

# Trusted by Industry Leaders





# Manufacturing Plants

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**AVONE System & Controls**



**F-287, Sector 63, Noida, Uttar Pradesh, India - 201301**



**AVONE System & Controls Nepal Pvt Ltd.**



**Balambu Village Development Committee, Ward No.5,  
Kathmandu District, Nepal**

## Contact Us

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**[www.avonetech.com](http://www.avonetech.com)**



**[www.linkedin.com/company/avone-system-controls](https://www.linkedin.com/company/avone-system-controls)**



**[contact@avonetech.com](mailto:contact@avonetech.com)**



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