

AVONE GROUP

Work Together, Grow Together

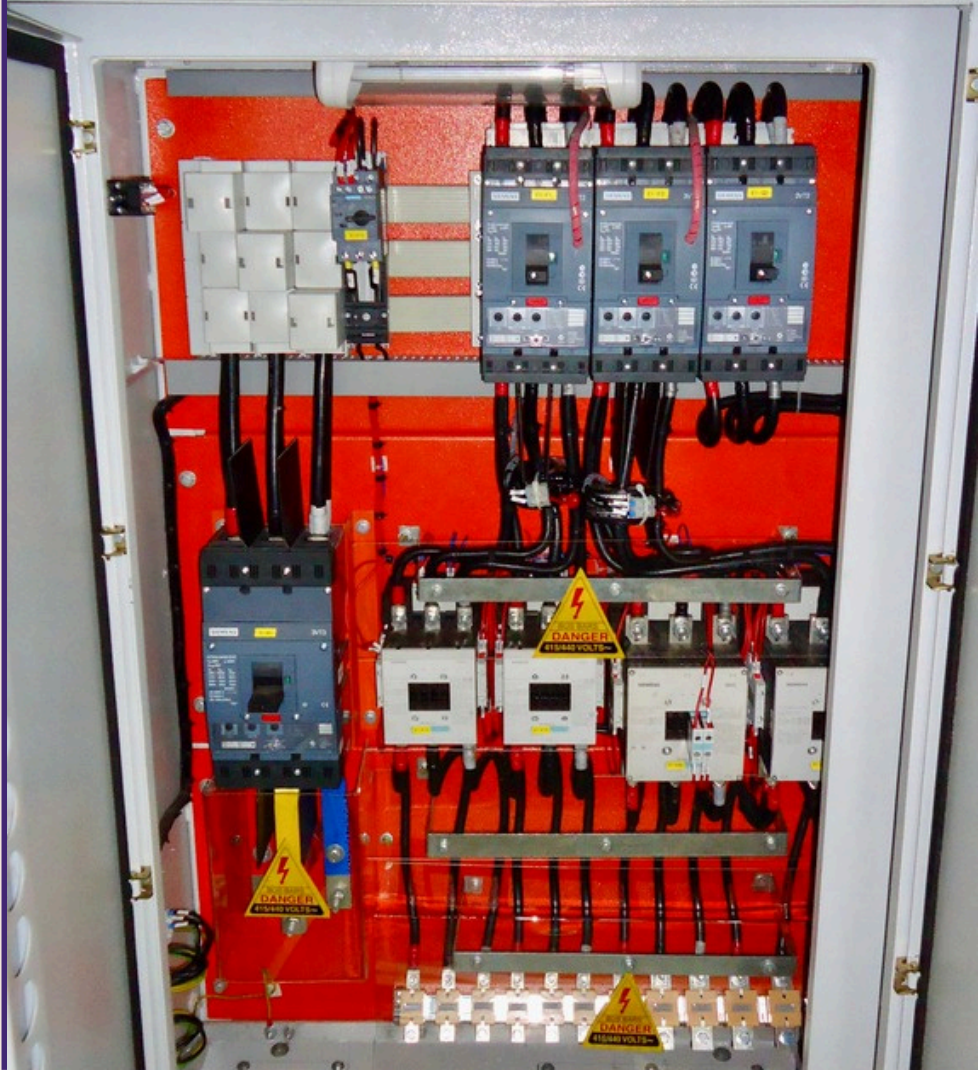
(An ISO 9001 : 2015 Co.)

**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.

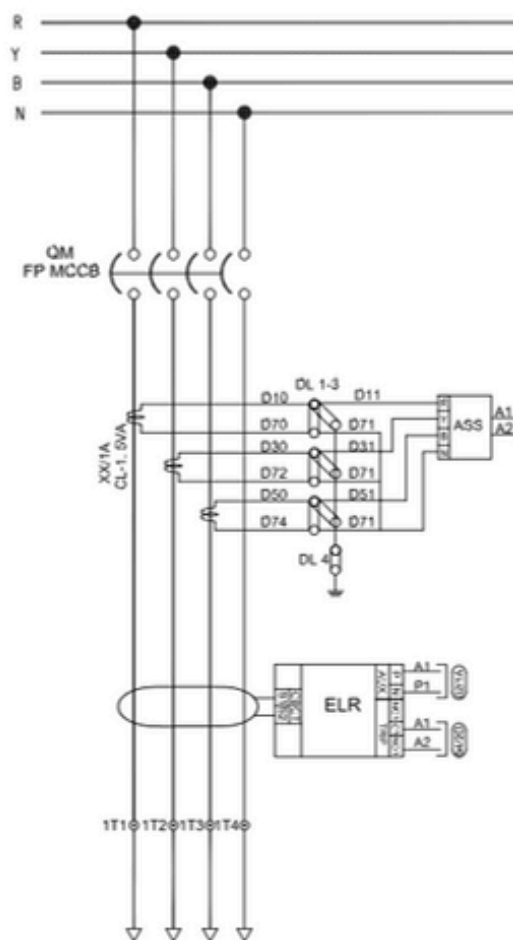
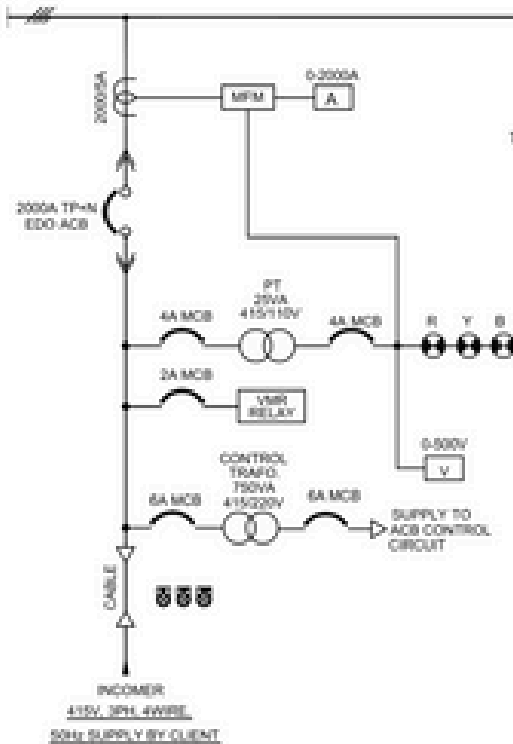
We specialise in complete turnkey execution of electrical, instrumentation, and automation projects across diverse sectors:

- **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



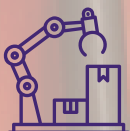
Industrial Automation & Control Systems

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

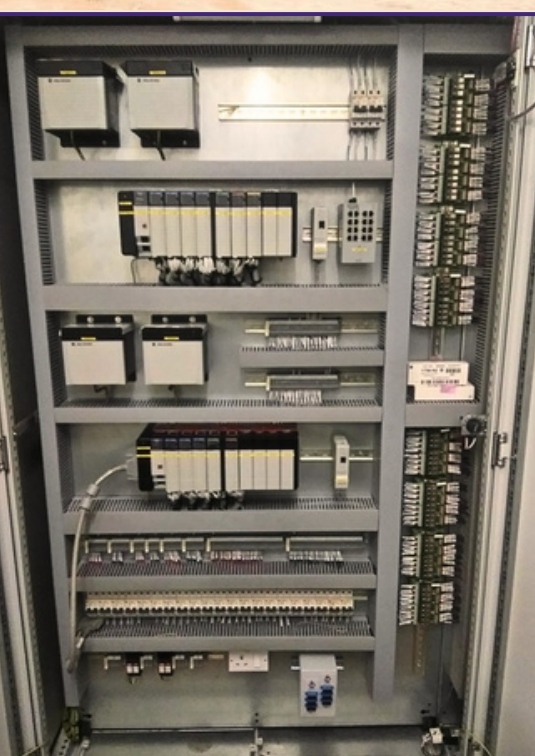
From design to commissioning, delivering safe and reliable operations

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





Custom Switchgear & Automation

We design and manufacture tailored low-voltage switchgear & automation solutions for diverse industries, integrating advanced protection, control, and monitoring.

Skills -

- PCC, MCC, AMF, Synchronising Panels
- PLC & SCADA Integration
- Relay Logic & Control Wiring
- Intelligent Metering & Monitoring
- Custom Electrical Layouts
- Fault Analysis & Troubleshooting

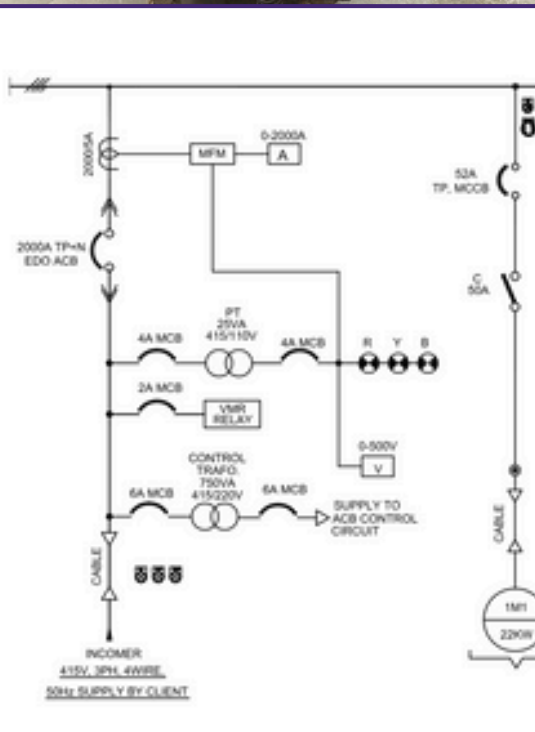


Testing & Quality Assurance

Our in-house testing ensures every panel meets stringent IS/IEC standards, guaranteeing safety, durability, and performance in the field.

Skills -

- Type & Routine Testing
- Insulation Resistance & HV Testing
- Functional Logic Verification
- Load & Performance Testing
- Compliance Documentation
- On-site Commissioning Support



Electrical Design & Engineering

From schematic creation to final implementation, our engineering team ensures precision in design, integration, and optimization.

Skills -

- SLD & GA Drawings
- Cable Scheduling & Routing
- Component Selection & Sizing
- Earthing & Lightning Protection Design
- Energy Efficiency Optimisation
- Retrofit & Upgrade Solutions

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		 CPRI
TEST REPORT		
Test Report Number	: CPRINOHVMSTC25T0376	Date: 12 June 2025
Name and Address of the Customer	M/s. Avion System and Controls F - 287, Sector - 63, Noida - 201301 (UP)	
Name and Address of the Manufacturer	M/s. Avion System and Controls F - 287, Sector - 63, Noida - 201301 (UP)	
Particulars of sample tested	1. 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	: 09 June 2025	
Date(s) of Test(s)	: NCHAHV25S0453	
CPRI Sample code Number(s)	: Refer sheet 3 of 6	
Particulars of tests conducted	: As per customer requirement	
Test in accordance with	: NI	
Standard/Specification	1. Temperature rise test to be conducted following general procedure of IEC 61439-1: 2020 & IEC 61439-6: 2012 2. Tests to be conducted on the busduct of length 3.6 meters	
Sampling Plan	: NI	
Customer's Requirement	1. Mr. Rakishor Singh 2. Mr. Sanjeev Kumar	
Deviations if any	: NI	
Name of the witnessing persons		
Customers representative		
Other than customer's representatives	: NI	
Test subcontracted with address of the laboratory	: NI	
Documents constituting this report (in words)		
Number of Sheets	: Six	
Number of Oscillograms(s)	: NI	
Number of Graph(s)	: NI	
Number of Photograph(s)	: One	
Number of Test Circuit Diagram(s)	: NI	
Number of Drawings(s)	: Four	
		 (E.N.GIRD) Engineering Officer Gr. 4 Designed and Authorized by

[illegible]

CENTRAL POWER SUPPLY INSITUATE

TEST REPORT

CPRI

Test Report Number : CPRI/PL/STNB/MSC2478002 Date: 07 February 2024

Name and Address of the Customer : Avone Systems and Controls
F-287, Sector-63, Gurgaon Budhha Nagar,
Noida, Uttar Pradesh, 201307

Name and Address of the Manufacturer : Avone Systems and Controls
F-287, Sector-63, Gurgaon Budhha Nagar,
Noida, Uttar Pradesh, 201307

Particulars of Sample Tested : 415V, 4000A L.T. Panel (Non Extendable)

Condition of sample(s) on receipt :

Type : Power Cum Motor Control Centre

Description of test sample : Refer sheet 2 of 6

Serial Number : ASIC/CPRI/SC001

Number of Samples Tested : One

Date(s) of Test(s) : 03 January 2024

CPRI Sample code Number(s) : STNB/MSC2450004

Particulars of test(s) conducted : Verification of the short circuit withstand strength test.

Test(s) in accordance with Standard/Specification : As per customer's requirement and procedure generally followed as per CI.10.11.5.3.3 and 10.11.5.3.5 of IS/IEC-61439-1, 2011 and IS/IEC-61439-2, 2011

Sampling Plan : NI

Customer's Requirement : SCWS test to be conducted on busbar only.

Deviations, if any : SCWS test was conducted on busbar only.

Name of the witnessing persons : Mr. Sumit

Customer's representative : NI

Other Customer's representatives : NI

Test subcontracted with and address of the laboratory : NI

Documents constituting this report (in words)

Number of Sheets : Six

Number of Oscillogram(s) : Two

Number of Graph(s) : Nil

Number of Photograph(s) : One

Number of Photograph Diagram(s) : Two

Number of Drawings(s) : Four

(Prabhashu Jain)
Test Engineer

(Himangshu Roy)
Head of Division
Reviewed and Authorized by



SWITCHGEAR TESTING & DEVELOPMENT STATION
GOVERNMENT OF INDIA, 420023, M.P., INDIA
Telephone : +91(075) 2566862 Fax : +91(075) 2587774

Sheet No. 1 of 6

IP 55

IP 65 AS PER IEC 60529

IP 65

	<p>सरकार भारत Government of India</p> <p>परिचालन परीक्षण प्रयोगशाला (परी-एचओ) National Test House (NTH) कामला नगर, पश्चिम बंगाल-701002 KAMLA NAGAR, WEST BENGAL-701002</p>	
<p>1190094</p> <p>TEST CERTIFICATE</p>		
<p>परिचालन प्रयोगशाला का Test Certificate No. 1190094/20190094</p>	<p>कार्य के विवरण Date of Issue 07/03/2019</p>	<p>कोड नं. Code No. 15402872367</p>
<p>परीक्षण करने के लिए Issued To</p>	<p>AVONE SYSTEM & CONTROLS</p>	
<p>पता Address</p>	<p>F-287, sector-63, NOIDA-201307</p>	
<p>आपक का संदर्भ नं. Customer's Ref. No.</p>	<p>NL</p>	<p>दिनांक: 30/11/2002</p>
<p>परिचालन नं. Register No. & Date</p>	<p>00115/NTH(NRU)/EJA/22/02/2019</p>	
<p>परिचालन का पत्र Description of Test Item</p>	<p>Panel box (Size:650mmx600mmx200mm)</p>	
<p>परिचालन का पत्र Identification of Test Item</p>	<p>AVONE MAKE Panel box for IP 55</p>	
<p>नमूना का विवरण (If any) Product Specification (If any)</p>	<p>IS/IEC 60529 - 2001</p>	
<p>नमूना प्राप्त की तिथि Date of Receipt of the Test Item</p>	<p>07/02/2019</p>	
<p>कार्य प्रदर्शन के विवरण Date(s) of Performance of Tests</p>	<p>From: 25/02/2019</p>	<p>To: 07/03/2019</p>
<p>आपक द्वारा प्रयोग किए गए विवरण Method(s) used for Test</p>	<p>As per IS specification</p>	
<p>नमूना प्रक्रिया की जानकारी Sampling Procedure where relevant</p>	<p>NA</p>	
<p>टेस्टिंग By Dinesh Prasad SA(Electrical)</p>	<p>चेक किया By Nahar Singh Scientist-C (Electrical)</p>	<p>अपPROVED By Yogesh Singh Scientist-C (Electrical)</p>
<p>ULUR-TC687019100000041P</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-50892110505653F

TEST REPORT

Report No.....	CI/TS/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).....	CI/TS/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) 

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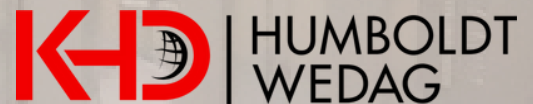
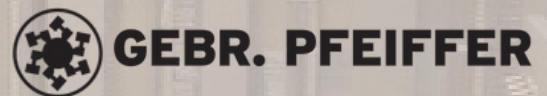
Test Report No: CI/TS/2K21/12/009



One Roof Solution For Total Testing and Calibration

 1190095	 भारत सरकार Government of India राष्ट्रीय परीक्षा गृह (एनटीए) National Test House (NTH) KANUNJ NAGAR, NEW DELHI, INDIA-110002 KANUNJ NAGAR, NEW DELHI-110002	 NTH ADDRESS CERTIFICATE NO. TC-68
TEST CERTIFICATE		
परीक्षा केंद्र का नाम Exam Centre Name NTH/DELHI/ANDHRA/001	जारी होने की तिथि Date of Issue 07/03/2019	कोड नं. Code No. 1549528723027
जिसे भेजा गया है Forward To	INTERIMINAL REPORT पृष्ठों की संख्या No of Pages 2	
पत्र Address	AVONE SYSTEM & CONTROL F-287, sector-63, NOIDA-201307	
पाठक का ब्यक्ति नं एवं विवरण Customer's Ref. No.	NIL	Date: 30/11/0002
रीकॉर्ड नं एवं विवरण Register No & Date	00115ANTHRU/ELJA/22/02/2019 Panel box (Size: 650mmx600mmx200mm)	
विवरण का उद्देश्य का विवरण Description of Test Item	AVONE MAKE Panel box for IP-65 test	
विवरण का उद्देश्य का विवरण Identification of Test Item		
नमूना का विवरण (हार्ड वॉर) Product Specification (Hard war)	IS/IEC 60529-2001	
नमूना प्रतीति की तिथि Date of Receipt of the Test Item	07/02/2019	
कार्य प्रदर्शन की तिथि Date of Performance of Tests	From: 29/02/2019	To: 07/03/2019
कार्य प्रदर्शन की विधियाँ Methods used for Test	As per IS specification	
नमूना प्रतीति का बर्तन प्रतीति की तिथि Sampling Procedure where relevant	NA	
Tested By  Dinesh Pratap SA(Electrical)	Checked By  Zahar Singh Scientist-C (Electrical)	Approved By  Yogesh Singh Scientist-C (Electrical)
ULR-TC687019100000041f		

Trusted by Industry Leaders



Manufacturing Plants



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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website

