



BANGARI'S FLAME SHIELD PVT.LTD.



Aag Raksha

BANGARI'S FLAME SHIELD PVT.LTD.





Safety is more than a product—it's a commitment.

At Aagraksha, we engineer advanced protection solutions that safeguard lives, equipment and infrastructure. Combining cutting-edge technology with premium materials, every solution reflects our commitment to quality, durability and trust.

**Tomorrow's
Safety.
Engineered
Today.**

**Delivering confidence
through innovation.**

We unite expertise across science to drive innovations that advances products in ecological and environmental safety



FOUNDER'S NOTE



AAAGRAKSHA



BANGARI SHRAWANTI
FOUNDER & CEO

With over a decade of experience as a story and script writer in the Indian film and OTT industry, I've always believed in the power of storytelling — not just to entertain, but to inspire change. My journey began in 2015, collaborating with Pen N Camera International and later, Don Cinema OTT Platform, where I wrote and developed content for diverse formats ranging from feature films to digital originals.

In 2019, I had the honor of being recognized as the First Lady Director of Odisha, a proud moment that validated my dedication to breaking barriers and creating impactful narratives. This recognition by Kalinga News Channel fueled my passion to not only tell stories — but to build solutions.

Today, I'm the Founder of purpose-driven venture:

Aag Raksha (Bangari's Flame Shield Pvt. Ltd.) –India's first affordable blast-proof gas cylinder shield, designed to save lives in domestic and commercial kitchens. We're on a mission to revolutionize fire safety across rural and urban households by combining innovation with accessibility..

INSULATION JACKETS

Gas Tank & Cylinder Insulation Jackets

Smarter Insulation for Safer, Efficient Gas Systems

-  Maintains Optimal Temperature
-  Improves Energy Efficiency
-  Enhances Operational Safety
-  Eco-Friendly & Sustainable



ROOFTOP GAS STORAGE TANK



VERTICAL GAS CYLINDER BANK

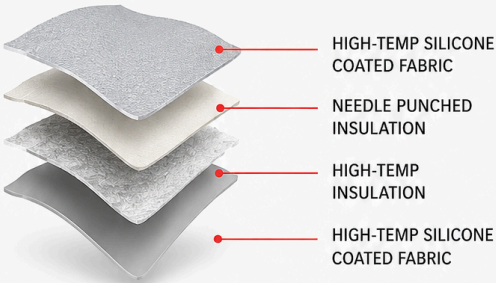


INDUSTRIAL GAS PIPELINE INSULATION



LIQUID GAS STORAGE TANK

MULTI-LAYER SYSTEM



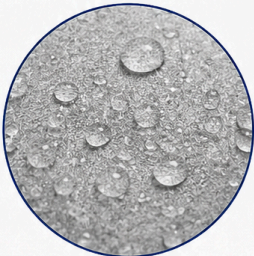
TYPICAL INSTALLATION



INSULATED SYSTEM IN THE FIELD

FEATURES & BENEFITS

-  Reduces energy loss and saves cost
-  Thermal protection and personnel safety
-  Water & chemical resistance
-  Easy to install and remove
-  Custom fit for all types of equipment



WATER & CHEMICAL RESISTANCE



DURABLE



SECURE FIT



INSULATION



WATER & UV RESISTANT



CHEMICAL RESISTANT



UV STABLE



LONG LIFE



EASY INSTALLATION

Our Series of **Insulation Jackets**

FLANGE INSULATION JACKET



PUMP INSULATION JACKET



ELBOW INSULATION JACKET



DUCT INSULATION JACKET



DURABLE



SECURE FIT



INSULATION



**WATER &
UV RESISTANT**



**CHEMICAL
RESISTANT**



**UV
STABLE**



LONG LIFE



**EASY
INSTALLATION**

Our Series of **Insulation Jackets**

PIPE INSULATION JACKET



VALVE INSULATION JACKET



TURBINE INSULATION JACKET



TANK INSULATION JACKET



DURABLE



SECURE FIT



INSULATION



WATER &
UV RESISTANT



CHEMICAL
RESISTANT



UV
STABLE



LONG LIFE



EASY
INSTALLATION

WHAT ARE TEMPERATURE INDICATING LABELS?

Temperature indicating labels show what surface is/are, that visible of change occurs at certain temperature points.

They provide an easy and cost-effective way to monitor surface temperatures at a glance.

KEY FEATURES



ACCURATE INDICATION

Changes color accurately at pre-determined temperature points.



EASY TO READ

Provides bright, clear indication visible at a look.



SELF-ADHESIVE

Strong adhesive backing ensures easy application on any clean surface.



DURABLE & RELIABLE

Resistant to oil, water, chemicals and abrasion.



COST EFFECTIVE

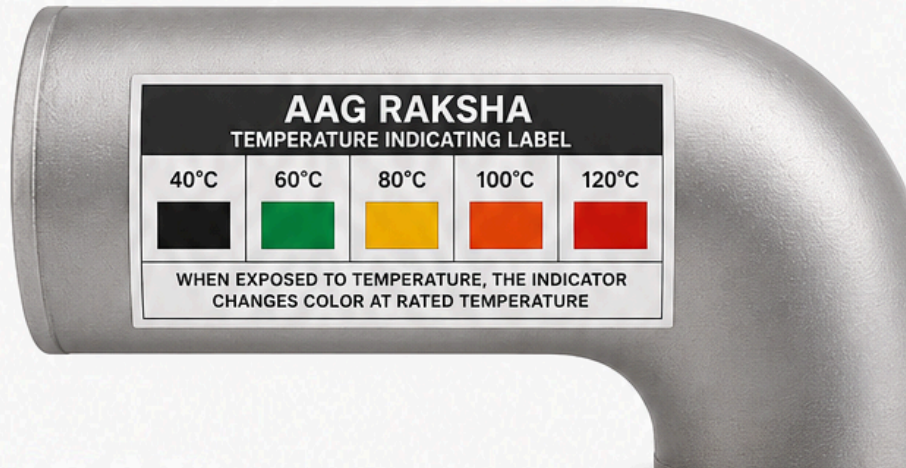
Economical solution for temperature monitoring and safety compliance.



WIDE TEMPERATURE RANGE

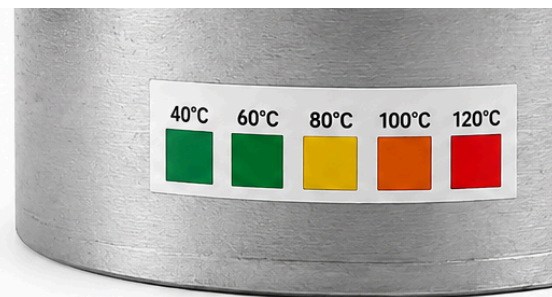
Available in various temperature ranges to cover multiple applications.

SMART TEMPERATURE MONITORING.
SIMPLE. **ACCURATE.** RELIABLE.



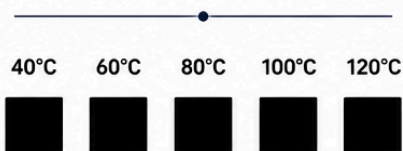
TEMPERATURE INDICATING LABELS

HOW IT WORKS



1

BEFORE TEMPERATURE EXPOSURE

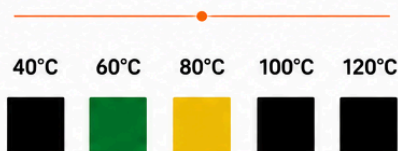


All indicators black

Before use, all temperature indicators are black.

2

AT TARGET TEMPERATURE

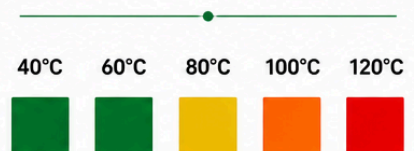


Indicator turns color at the rated temperature

When the target temperature is reached, the corresponding indicator changes color.

3

AFTER TEMPERATURE EXPOSURE



Clear, permanent visual indication

Indicators that have reached or exceeded their rated temperature remain permanently colored.



APRONS FOR HEAT FIRE & SAFETY



HEAT & FLAME **RESISTANT**



LIGHT WEIGHT & **COMFORTABLE**



BEST PROTECTION &
EXCELLENT DURABILITY

IDEAL FOR



INDUSTRIAL
WORKPLACES



WELDING &
FABRICATION



FOUNDRIES &
STEEL PLANTS



FIRE FIGHTING &
SAFETY TEAMS



SMART SAFETY. TOTAL PROTECTION.



GAS SAFETY DEVICE

Gas Safety Device is a smart, **automatic gas safety solution** designed to protect your home, family and business from gas leaks and overpressure hazards.



LEAK DETECTION

Detects gas leakage automatically.



AUTO CUT-OFF

Stops gas supply instantly in case of leakage.



PRESSURE CONTROL

Maintains safe gas pressure for continuous safety.



TOTAL PROTECTION

Protects your loved ones and property from gas leaks and overpressure hazards.



FOR HOMES



FOR SHOPS



FOR BUSINESSES



FOR INDUSTRIES

BE SAFE. BE SECURE. CHOOSE AAG RAKSHA.



SMART TIMER. SAFE COOKING.

AUTOMATIC GAS SHUT-OFF.
PEACE OF MIND, EVERY TIME.



GAS LOCK DEVICE

Timer-controlled safety solution that automatically shuts off your gas supply after a set period.

HOW IT WORKS



SET THE TIMER

Choose the desired time before cooking.



COOK WITH CONFIDENCE

Device keeps the gas flowing safely.



AUTO SHUT-OFF

Once the time is up, gas supply is instantly cut off.



WHO IT'S FOR



BUSY PROFESSIONALS

Never worry about leaving the stove on.



ELDERLY & SENIORS

Extra safety and independence at home.



FAMILIES WITH CHILDREN

Prevents gas leaks and unsupervised cooking.



ANYONE ON THE GO

Perfect backup for your busy lifestyle.



PREVENTS
ACCIDENTS



ENERGY
SAVING



DURABLE &
RELIABLE



EASY TO INSTALL
& USE



AAG RAKSHA

SURAKSHAA AAPKI, ZIMMEDARI HAMARI

BE SAFE. BE SECURE.
CHOOSE AAG RAKSHA.

MADE IN INDIA
MADE FOR SAFETY



**Every spark deserves respect,
Every life deserves protection.
Every family deserves peace,
Every tomorrow deserves prevention.**

**-Aagraksha—
Protecting Today. Securing Tomorrow.**



AUTHENTICITY YOU CAN TRUST. SAFETY YOU CAN RELY ON.

Every **Aagraksha** product is built on trust,
tested for safety and certified for your complete protection.

OUR LEGAL & BUSINESS AUTHENTICITY

CERTIFICATE OF INCORPORATION

GOVERNMENT OF INDIA
MINISTRY OF CORPORATE AFFAIRS
Central Registration Centre

CERTIFICATE OF INCORPORATION

I hereby certify that BANGARI'S FLAME SHIELD PRIVATE LIMITED is incorporated on this SIXTEENTH day of JUNE TWO THOUSAND TWENTY FIVE under the Companies Act, 2013 (18 of 2013) and that the company is Company limited by shares

Corporate Identity Number (CIN)
U32902OD2025PTC049614

Incorporated on: 16-06-2025



CIN: U32902OD2025PTC049614
INCORPORATED ON: 16-06-2025

GST REGISTRATION

GOVERNMENT OF INDIA
Goods and Services Tax
Registration Certificate

1. Legal Name	BANGARI'S FLAME SHIELD PRIVATE LIMITED
2. Trade Name	BANGARI'S FLAME SHIELD PRIVATE LIMITED
3. Constitution of Business	Private Limited Company
4. Address of Principal Place of Business	MOUZA RAYAGADA, KHATA NO: 504783, PLOT NO: 9/1/26/1/58/528 Rayagada, Rayagada, Odisha - 765001
5. Registration Number	21AANC6696B1Z0
6. Date of Liability	---
7. Period of Validity	From: 28/10/2025 To: Not Applicable
8. Type of Registration	Regular



GSTIN: 21AANC6696B1Z0
REGISTERED ON: 28-10-2025

PAN (e-PAN)

आयकर विभाग भारत सरकार
INCOME TAX DEPARTMENT GOVT. OF INDIA

e - Permanent Account Number (e-PAN) Card

AANCB6696B

नाम / Name
BANGARI'S FLAME SHIELD PRIVATE LIMITED

तारीख / Date of Incorporation
16/06/2025



PAN: AANCB6696B
ISSUED ON: 16-06-2025

TAN ALLOTMENT

Income Tax Department
Government of India

Ref. No.: 88305921647921171/TAN/NEW
Date: 17-06-2025

To:
BANGARI'S FLAME SHIELD PRIVATE LIMITED
Maa Santoshi Building, 3rd Ln,
Near Dileep Saloon Shop
Rayagada (K), Rayagada (K)
Rayagada - 765001
Odisha

Sir / Madam,
Sub: Allotment of Tax Deduction Account Number (TAN)
as per the Income Tax Act, 1961.

In this connection, the following TAN has been issued to you:

TAN
BBNB06703E



TAN: BBNB06703E
ISSUED ON: 16-06-2025

DPIIT STARTUP RECOGNITION

#startupidia

CERTIFICATE OF RECOGNITION

This is to certify that
BANGARI'S FLAME SHIELD PRIVATE LIMITED
incorporated as a Private Limited Company on
16-06-2025, is recognized as a startup by the
Department for Promotion of Industry and
Internal Trade.

CERTIFICATE NO.: DIPP210911
VALID UPTO: 15-06-2035



CERTIFICATE NO.: DIPP210911
VALID UPTO: 15-06-2035

RECOGNIZED & REGISTERED AS A STARTUP

DPIIT RECOGNIZED STARTUP

GOVERNMENT OF INDIA
Ministry of Commerce & Industry
Department for Promotion of Industry and Internal Trade

#startupidia

CERTIFICATE OF RECOGNIZED STARTUP

This is to certify that
BANGARI'S FLAME SHIELD PRIVATE LIMITED
incorporated as a Private Limited Company on 16-06-2025,
is recognized as a startup by the Department for Promotion of Industry
and Internal Trade.



CERTIFICATE NO.: DIPP210911 VALID UPTO: 15-06-2035

STARTUP ODISHA RECOGNITION

Micro, Small & Medium Enterprises Department
Government of Odisha

startup odisha

CERTIFICATE OF RECOGNITION

This is to certify that **BANGARI'S FLAME SHIELD PRIVATE LIMITED**
incorporated as a Private Limited vide no. **U32902OD2025PTC049614**
dated 16-06-2025, as per MCA21 portal is recognised as a
'Startup' under the Odisha Startup Policy - 2016.



REGISTRATION NO.: OSP/SP/02312 ISSUED ON: 08-08-2025

PRODUCT TESTING & QUALITY ASSURANCE



✓ **RIGOROUSLY TESTED**
Products tested in
accredited laboratories



✓ **FIRE SAFE**
Self extinguishing,
non-dripping, low smoke



✓ **WEATHER RESISTANT**
UV, Ozone & Chemical
resistant



✓ **THERMALLY EFFICIENT**
Low thermal conductivity
for better insulation



✓ **DURABLE & RELIABLE**
High strength, long-lasting
performance

INSULATION MATERIAL TEST RESULTS

TEST PARAMETER	RESULT
 Thermal Conductivity	0.032 - 0.038 W/m-K
 Water Absorption (by volume)	< 1% (Closed Cell)
 Temperature Range (Service)	-40°C to +105°C
 Fire Resistance	Class 1 / Class 'O' / UL94 HF1
 Smoke Density	Passed
 Oxygen Index	27.70%
 CFCs / HCFCs	NIL / FREE
 Structure	Closed Cell



TESTED AS PER CERTIFIED STANDARDS
WITH TRUSTED MANUFACTURERS

FABRIC TEST REPORT



Hydel Laboratories (P) Ltd
Ghaziabad (U.P.) India

TEST REPORT

Issued To :	Current Enterprise	Tested For :	Fabric (Insulation Jacket)
Sample Description :	Fabric	Colour :	Grey
Sample Qty. :	1 Pc.	Sample Received On :	10.10.2024
Report No. :	HLPL10-241009-01	Date of Reporting :	11.10.2024

S. No.	TEST PARAMETERS	UNIT / TEST RESULTS	REQUIREMENT	TEST METHOD
1.	Fire Resistance	Cover completely fire resistance, (Meets the resistance)	The fabric of Coverall shall be inherently resistance and not chemically coated/ treated for fire resistance properties.	HLPL/SP/ FABRIC/003



- ✓ FIRE RESISTANT - SELF EXTINGUISHING
- ✓ WATER PROOF - WEATHER PROOF
- ✓ DURABILITY - 5 TO 7 YEARS
- ✓ WORKS FROM -15.5°C TO 50°C EFFECTIVELY
- ✓ THICKNESS - 25 TO 30 MM



OUR COMMITMENT



100% AUTHENTIC
DOCUMENTS



CERTIFIED
PRODUCTS



TESTED FOR
SAFETY



TRUSTED BY
CUSTOMERS



COMMITTED TO
PROTECTION





MEDIGUARDIAN™

AUTONOMOUS MEDICAL GAS SAFETY &
THERAPY PROTECTION SYSTEM

From Kitchen & Industrial Safety
to **Medical Safety.**



- DETECT Risk Early
- PREVENT Accidents
- PROTECT Every Life
- EMPOWER Healthcare

SAFER KITCHENS → SAFER INDUSTRIES → SAFER HOSPITALS → SAFER TOMORROW

- INTELLIGENT MONITORING
- REAL-TIME ALERTS
- AUTONOMOUS SAFETY
- IoT ENABLED
- AI-POWERED INSIGHTS

PROTECTING LIVES.
EMPOWERING HEALTHCARE.



HOW MEDIGUARDIAN™ WORKS



SENSE

Sensors continuously monitor gas, pressure, flow, temperature & environment.



ANALYZE

Intelligent algorithm analyzes data in real time and detects abnormal conditions.



ALERT

Visual, audible & remote alerts are triggered instantly.



ACT

System automatically closes the valve and isolates the gas supply.



SAFE

Hazard controlled, patient & equipment are protected.



RESET

Authorized user manually resets the system.



Leak Detection



Pressure Monitoring



Flow Monitoring



Therapy Timer



Fire & Heat Detection



Auto Shut-Off



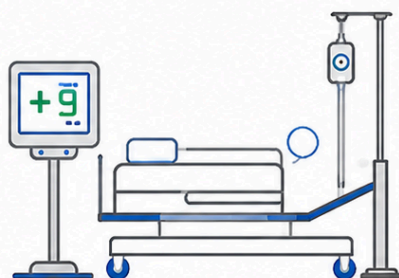
Smart Alerts & IoT

IDEAL FOR

- ICU / PACU / PICU
- Operation Theatres
- Ventilators & Anaesthesia
- Dialysis Units
- Home Oxygen Therapy
- Ambulances
- Emergency & Critical Care
- Medical Gas Pipelines

OUTPUT

To Point of Use
(Outlet / Equipment)



SUB PRODUCTS / VARIANTS

- MediGuardian™ Wall Outlet Unit
- MediGuardian™ Cylinder Regulator Unit
- MediGuardian™ Home Oxygen Unit
- MediGuardian™ Mobile / Ambulance Unit
- MediGuardian™ OT / ICU Central Monitor
- MediGuardian™ Pipeline Monitoring Hub



JAL RAKSHA INITIATIVE

PROJECT AQUASPECTRA



Jal Raksha is a pioneering initiative dedicated to transforming aquaculture and aquatic ecosystem management through the convergence of biosensing, artificial intelligence, environmental intelligence, and digital technologies. Designed to address the growing challenges of water quality degradation, disease outbreaks, environmental stress, and sustainable food production, the initiative aims to build next-generation smart solutions for shrimp farming, fisheries, freshwater systems, and aquatic ecosystems.

At the heart of the initiative is Aqua-Spectra—an AI-powered portable biosensing platform that integrates water quality monitoring, shrimp health assessment, pathogen surveillance, sediment analysis, feed quality evaluation, antibiotic residue detection, and ecological intelligence into a single intelligent ecosystem. By combining advanced electrochemical sensing, spectroscopy, molecular diagnostics, IoT connectivity, and predictive AI analytics, Jal Raksha empowers farmers, researchers, industries, and policymakers with real-time insights for precision aquaculture, early disease detection, sustainable resource management, and data-driven decision-making.

Jal Raksha envisions a future where every water body can be continuously monitored, every aquatic organism can be proactively protected, and every farming decision is guided by science, intelligence, and sustainability.



AQUA-SPECTRA™

WATER HEALTH & ECOLOGICAL INTELLIGENCE PLATFORM

REAL-TIME • MULTIPARAMETRIC • SMART • PORTABLE • AI-POWERED

ONE DEVICE.
COMPLETE INSIGHT.
HEALTHY WATERS.
SUSTAINABLE FUTURE.



WATER QUALITY
15+ Parameters



ECOLOGICAL HEALTH
Biomarkers & Toxins



AI-POWERED
Insights & Alerts



CLOUD CONNECTED
Anywhere, Anytime



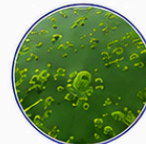
RUGGED & PORTABLE
Built for Field



SHRIMP AQUACULTURE
Early detection of stress, disease & water quality fluctuations



FISHERIES MANAGEMENT
Monitor water health for sustainable fisheries & higher productivity



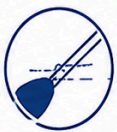
ALGAL BLOOM CONTROL
Track chlorophyll-a, nutrients & toxins to prevent outbreaks



WASTEWATER MONITORING
Ensure compliance & reduce environmental impact



RIVERS, LAKES & RESERVOIRS
Protect ecosystems with continuous ecological intelligence



OPTICAL BIOSENSORS
LSPR Technology



ELECTROCHEMICAL
High Sensitivity



BIOSENSING
Biomarkers & Toxins



MULTIPLEX CARTRIDGE
15+ Parameters



AI & DATA ANALYTICS
Smart Decisions

EMPOWERING HEALTHY WATERS & PRODUCTIVE LIVELIHOODS



Smart
Aquaculture



Sustainable
Fisheries



Water
Conservation



Ecosystem
Protection



Food
Security



Better
Tomorrow



JAL RAKSHA INITIATIVE



AQUA-SPECTRA™

WATER HEALTH & ECOLOGICAL INTELLIGENCE PLATFORM

REAL-TIME • MULTIPARAMETRIC • SMART • PORTABLE • AI-POWERED

ONE DEVICE.
COMPLETE INSIGHT.
HEALTHY WATERS.
SUSTAINABLE FUTURE.

OUR SERVICES



WATER QUALITY
MONITORING



ECOLOGICAL & TOXIN
BIOMONITORING



AI-POWERED
ANALYTICS



CLOUD CONNECTIVITY
& DATA PLATFORM



RUGGED & PORTABLE
SOLUTIONS



SHRIMP AQUACULTURE
MANAGEMENT



FISHERIES & POND
MANAGEMENT



ALGAL BLOOM
MONITORING



WASTEWATER
MONITORING



RIVERS, LAKES &
RESERVOIRS



MULTIPARAMETRIC
SENSING



LAB & FIELD
TESTING SERVICES



REPORTS &
COMPLIANCE



MOBILE APP &
DASHBOARD



TRAINING &
CONSULTING

Aqua-Spectra provides an integrated suite of AI-powered water, aquaculture, and ecological intelligence services designed to support sustainable aquatic ecosystem management. Combining advanced biosensors, electrochemical sensing, spectroscopy, molecular diagnostics, IoT, cloud computing, and artificial intelligence, the platform delivers real-time monitoring, predictive analytics, and decision support across water quality, shrimp health, pathogen surveillance, sediment quality, feed quality, environmental monitoring, and regulatory compliance. Aqua-Spectra enables farmers, industries, researchers, and government agencies to make faster, data-driven decisions that improve productivity, reduce disease risks, optimize resource utilization, and promote long-term environmental sustainability.



SMARTER
DECISIONS



SUSTAINABLE
FUTURE



BETTER
PRODUCTIVITY



ANYWHERE,
ANYTIME



PARTNER IN
PROGRESS

MEASURE • UNDERSTAND • PROTECT • SUSTAIN

AQUA-SPECTRA

DIGITAL TWIN

REAL-TIME INSIGHT. PREDICTIVE INTELLIGENCE. SUSTAINABLE AQUACULTURE.



REAL-TIME
MONITORING



AI-POWERED
PREDICTIONS



SCENARIO
SIMULATION



SMART
DECISIONS



SUSTAINABLE
FUTURE



Aqua-Spectra Digital Twin is an AI-powered virtual ecosystem that integrates real-time biosensor, IoT, laboratory, and environmental data into a unified digital platform. It delivers live visualization, predictive analytics, risk forecasting, and scenario simulation for water quality, shrimp health, feed, sediment, pathogens, and ecosystem dynamics—empowering precision aquaculture through intelligent, data-driven decision-making.

**Every Drop Deserves Protection.
Every Ecosystem Deserves Intelligence.
Every Farmer Deserves Confidence.
Every Future Deserves Sustainability.**

**- Jalraksha -
Protecting Water. Securing Tomorrow.**



ADDRESS :

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Mail: shravanti@agraksha.com