# RAJASTHAN INDUSTRIAL SCIENTIFIC CORPORATION

established since 1963

#### WATER METER PRODUCTS & SOLUTIONS



www.rahulwatermeters.com



### ABOUT US

We are the leading manufacturer of 'RAHUL'® brand water meter in India since 1963. We have supplied more than two million water meters to our Govt. and other Corporate Clients in the past. We are a SSI unit. Our water meters are available in 15mm size to 50mm (Domestic Type) conforming to BIS specification IS: 779/1994 (Domestic Type water meter) and 50mm size to 500mm size in magnetic drive (Woltman Type water meter)in ISO specifications.

















### **COMPANY OVERVIEW**



√100% In-house manufacturing

100% indigenously developed designs & moulds. All parts are manufactured in-house ie 100% made in India.





Our technology products are cost effective, easy to deploy & provide seamless dashboard for remote monitoring & analytics.



Modern Manufacturing

We use special purpose hybrid CNC modules & high precision moulding machines. Our designing is carried out on the latest & best design softwares.



Quality Raw Material

We strictly monitor the selection of raw materials for our components.



Certified by BIS | FCRI | MID NTH / ISO 4064 / ISO 9000

Our product range is certified by recognised institutes like FCRI & BIS.



Manufacturer support

Our engineers can help with supervision & the installation/configuration of our systems.



#### VISION

Total commitment for developing & to innovate products to enable sustainability of our precious resource . To make indigenous production of products at par with global standards.

#### MISSION

Our mission is to provide the right solution which are reasonable & affordable. Our mission is to create an environment for seamless after sales for overseeing success of each Water supply project utilising our products /service.

















#### FACTS & FIGURES

60 YEARS of commitment

2.5 MILLION

**Units Sold** 

40,000 **Monthly Capacity**  200+

Projects Done











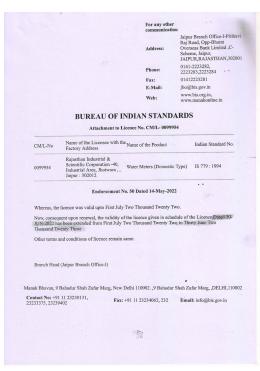


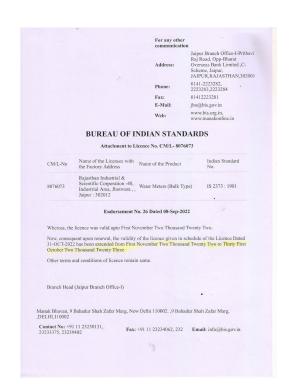




### CERTIFICATIONS







TM BIS BIS





















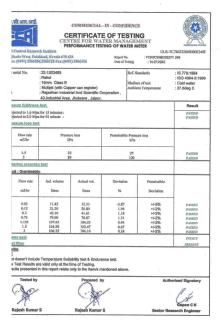


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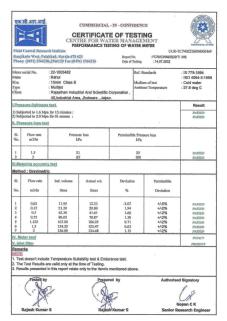
# FCRI PERFORMANCE & LIFE TEST CERTIFICATIONS

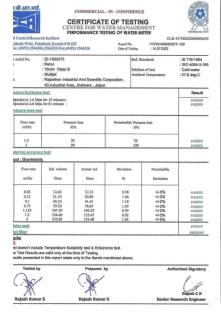






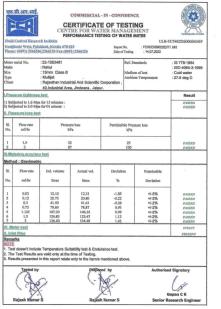








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Meter serial No. Make Size Type Client		:22-1003479 : Rahul :15mm Class B :Multijet : Rajasthan Industrial And Scientific :				: IS 779:1994 : ISO 4064-3:199 : Cold water : 27.6 deg C	
I.Press	sure tightnes	is test				Result	
2) Subj	ected to 1.6 M ected to 2.0 M ssure foss te	pa for 15 minutes : pa for 01 minute : st				PASSED PASSED	
SL No.	Flowrate m3/hr	Pressure loss kPa		Permissible	Pressure loss kPa		
1 2						PASSED PASSED	
	ering accura						
Metho	d : Gravimet	ric		_			
SI.	Flowrate	Ind. volume	Actual vol.	Deviation	n Permissible		
No.	m3/hr	fitres	libres	%	Deviation		
1 2	0.03 0.12	12.35 21.20	12.33 20.80	0:17 1.94	+/-2%	PASSED PASSED	
3	0.3	41.90 29.00	41.61 78.87	0.70		PASSED PASSED	
3	1.125	106,25	106.25	0.00	+/-2%	PASSED	
6 7	1.5	123.45 135.30	123.47 134.48	-0.01 .0.61	+1-2% +1-2%	PASSED PASSED	
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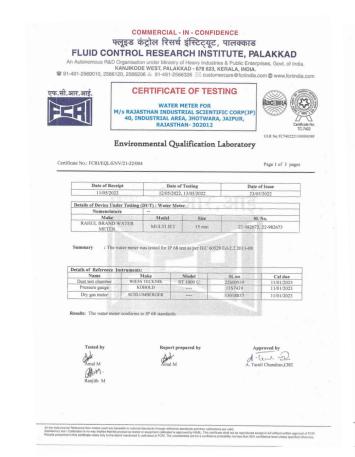








### IP 68 CERTIFICATIONS



















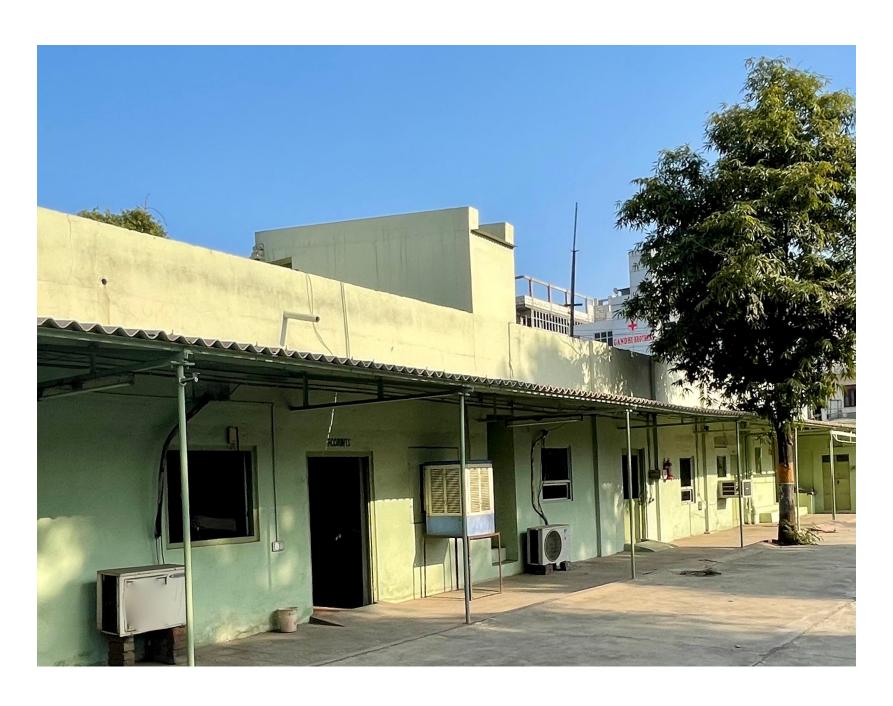








# ADMINISTRATIVE BLOCK













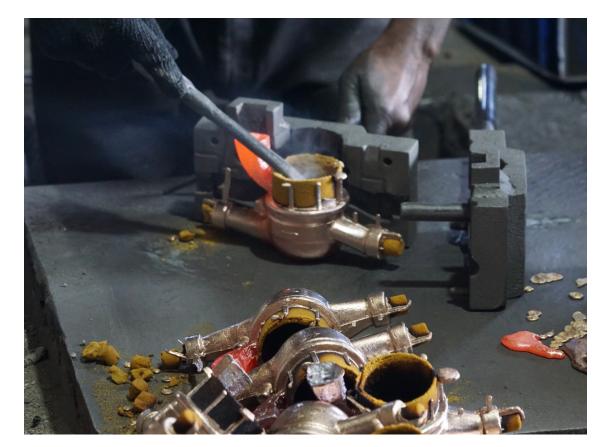








### FOUNDRY AREA







**CORE SHOOTER** 



**SHOT BLASTING** 



















# MACHINE ROOM























**CNC MACHINE (SPM)** 



# POWDER COATING BAY



**HEAT TREATMENT-POWDER COATING** 

**POWEDER COATING** 

















# DIAL PRINTING (PAD)



**PRINTED DIALS** 

**DIAL PAD PRINTER** 



















# DIGIT WHEEL PRINTING























**PRINTED PARTS** 



# TOTALISER ASSEMBLY







**DIGIT WHEEL COUNTER ASSEMBLY** 



**IMPELLER MAGNET FIXING** 

















# TOTALISER ASSEMBLY







**CHAMBER ASSEMBLY** 



**SAPPHIRE JEWEL FIXING** 



















# QUALITY CONTROL



**INSPECTION OF PARTS** 



**INSPECTION OF TOTALISER** 



**INSPECTION OF BODIES** 









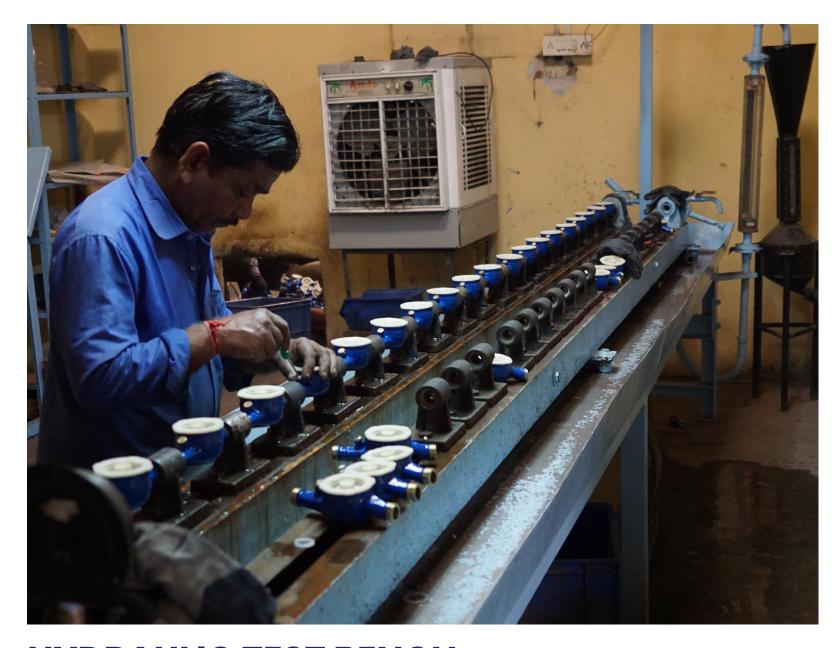








# PRESSURE TESTING BAY



















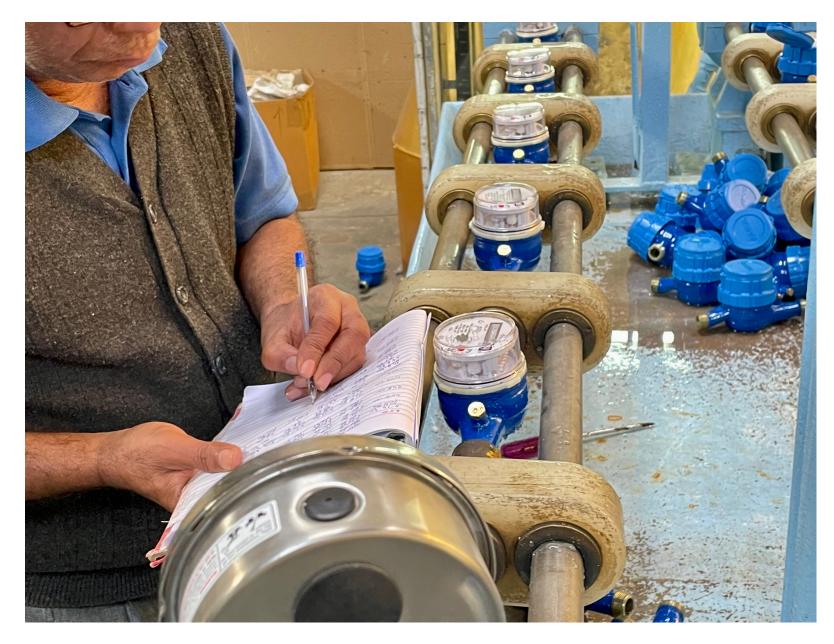




**AFTER CALIBRATION** 



# TESTING BAY



PERFORMANCE TEST - QMAX BENCH



















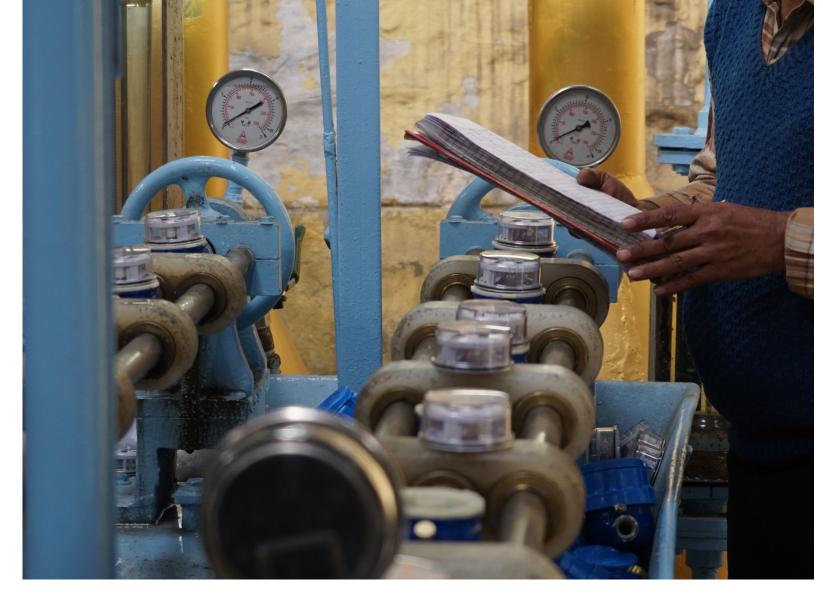


# TESTING BAY



PERFORMANCE TEST - QT BENCH





PERFORMANCE TEST - QN BENCH



# BULK FLOW METER TESTING BAY

















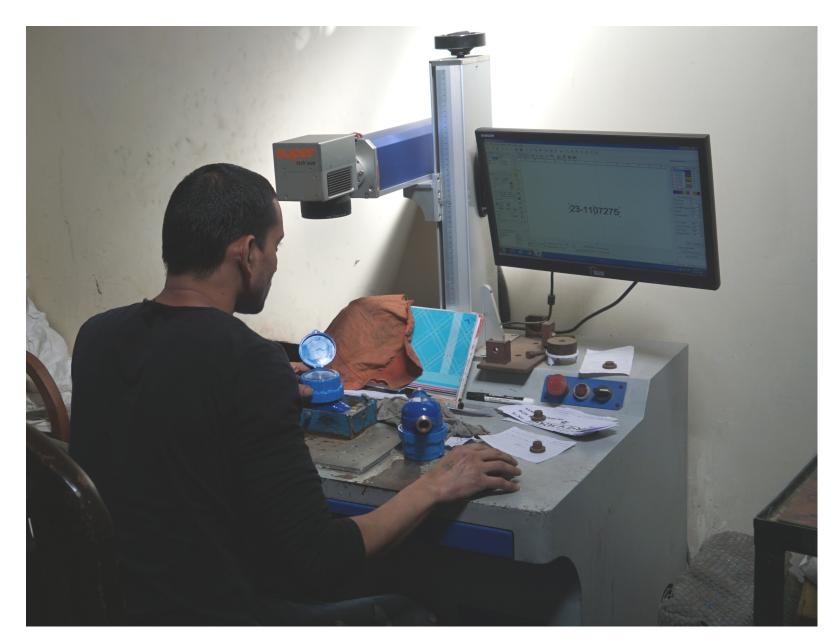




**HYDRAULIC TEST RIG** 



# LASER PRINTING



LASER PRINTING FOR SERIAL NO'S

















**ON DIAL** 



# PACKAGING BAY







**SEAL FIXING** 

**BOX PACKING** 

**DISPATCH** 

















# STORE ROOM





















**SPARE PARTS** 



### FINISHED GOODS GODOWN





**WOLTMAN TYPE & STRAINERS** 

#### **DOMESTIC FLOW METERS**









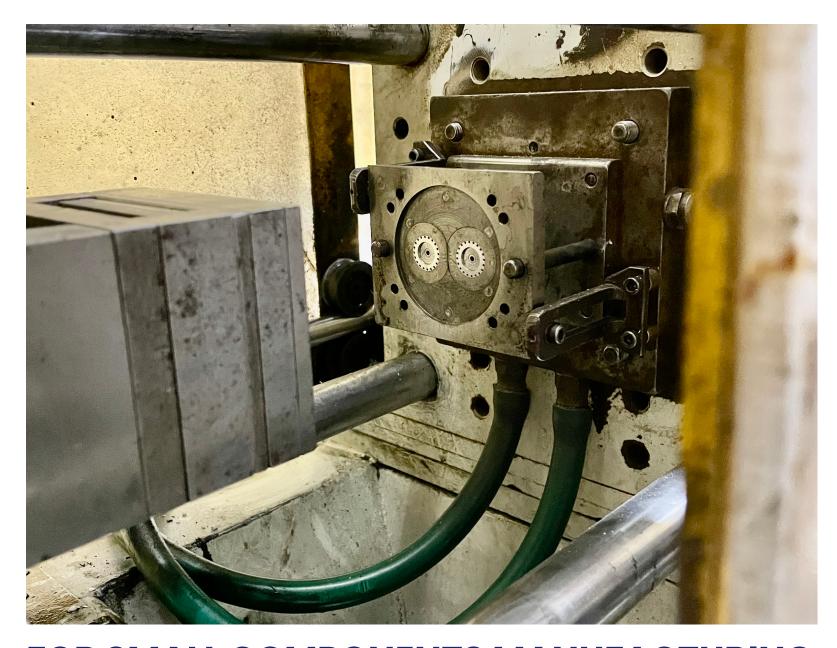








### PLASTIC INJECTION MOULDING PROCESS



FOR SMALL COMPONENTS MANUFACTURING



FOR BIGGER COMPONENTS MANUFACTURING









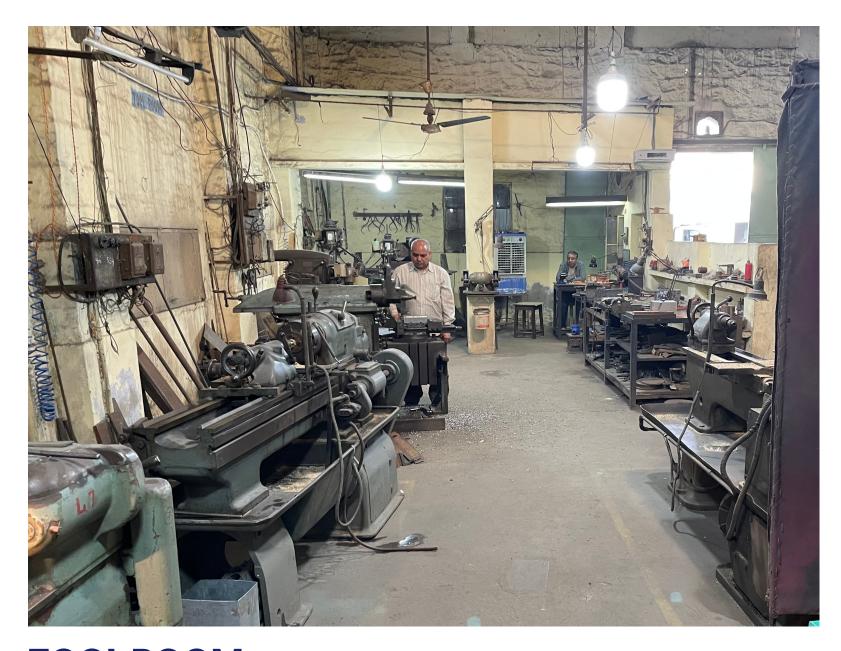








# R&D DEPARTMENT



**TOOL ROOM** 







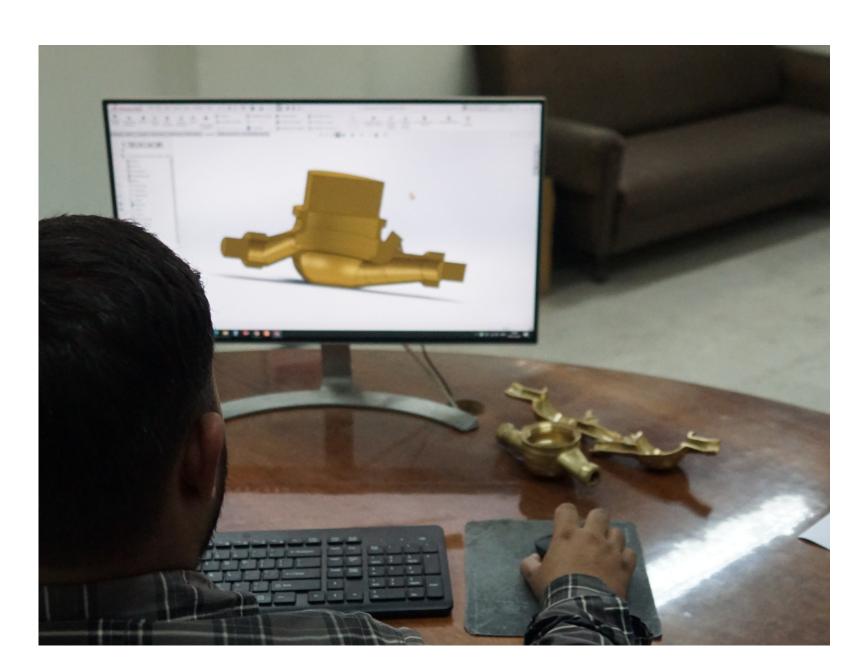










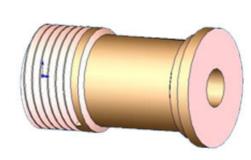


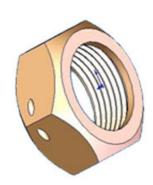


### PRODUCT RANGE - DOMESTIC SERIES









Single Jet Meters

Multi Jet Meters

Orifice Flow Equaliser

















# PRODUCT RANGE -BULK METER SERIES - DN 40MM - 500MM











Woltman Type Meters









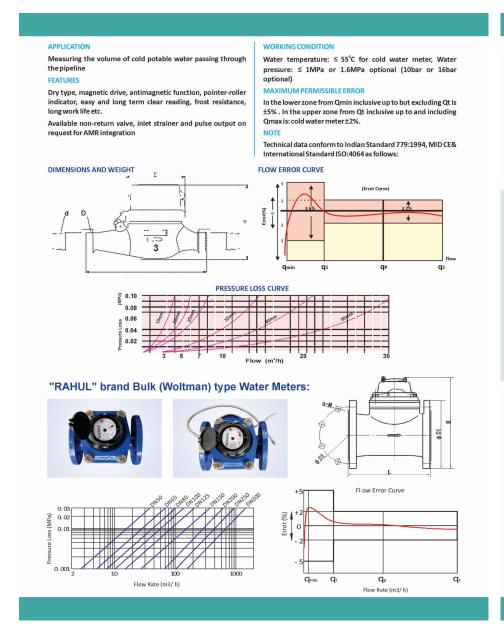








### TECH DATA SHEET























### AMR PRODUCTS & SOLUTIONS









GSM/GPRS Modem (RTU)

**RF Based Meters** 

Lorawan Node

Lorawan Gateway









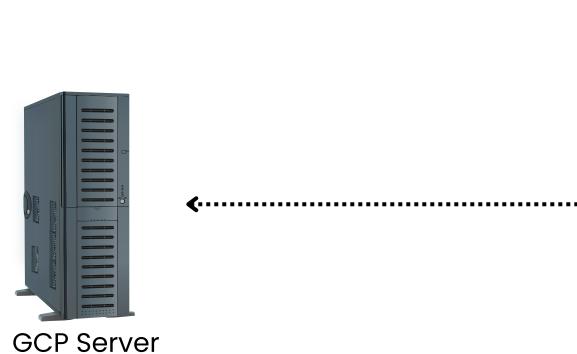




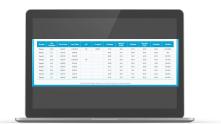




# GSM / GPRS RTU SCHEMATIC



**GSM Tower** 





Client Desktop / Mobile devices











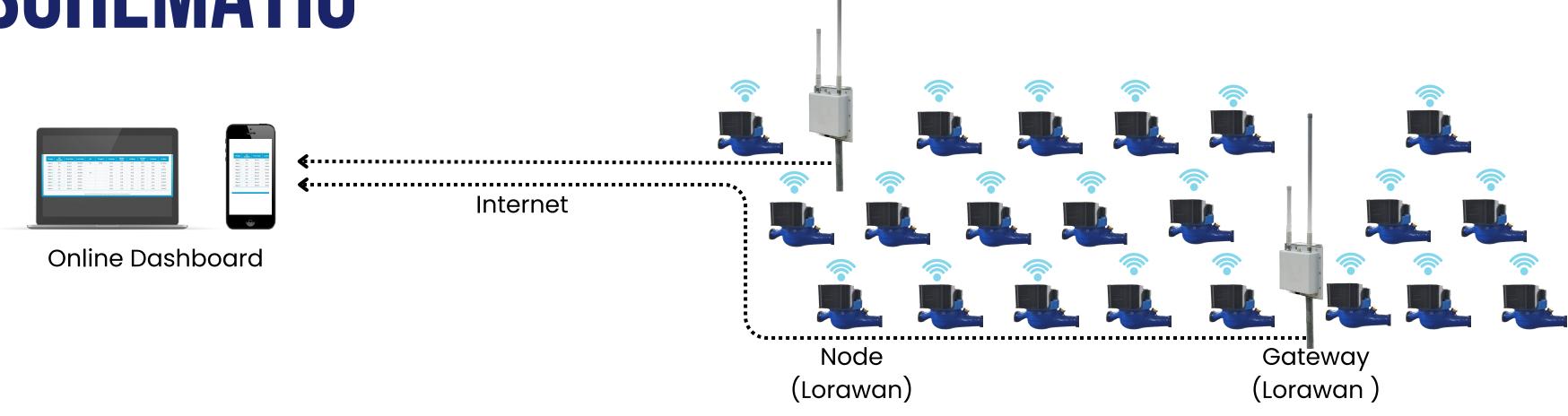








# LORAWAN AMR SOLUTION **SCHEMATIC**





















#### ONLINE DASHBOARD FEATURES -



- 1.Overflow Under flow of water, with time stamps
- 2. View & Download data
- 3. Continues water running alarm.
- 4. Meter Temper Detection
- 5.15 days data save in case of no network connectivity.
- 6. Magnet tempering detection and alarm
- 7.Lora Antenna blocking alarm
- 8.Backflow alarm
- 9. Battery Monitoring
- 10. Network strength monitoring.
- The meter node sends data once a day to the LORA gateway at the set-time.
- Meters configurations can also be done using LORA gateway.



### AWARDS



**FELICITATED BY BIS OFFICIALS** 

















**AMONGST OLDEST LICENCE OF WATER METERS** 



### RECOMMENDATIONS

#### Madhya Pradesh Urban Development Company Limited

(CIN No.U75110MP2015SGC034139)

(Department of Urban Development and Housing Government of Madhya Pradesh)

This is to certify that, M/s. Nitisha Enterprises Company has successfully Supplied and installed Material with us as a sub vendor under Rean Water Tech Pvt Ltd in our project, improvement of water Supply scheme in package-4D' Works done by Satisfactory and carried out following works as mentioned below

Sl.No	Description of Works	Location	Unit	Capacity	Amount	Completion Period
1	Domestic Water Meter Supply of 15MM Dia Multijet Mechanical Water Meter	4-D Package	Nos.	60,000	4,86,00,000	2021 (November)
2	Domestic Water Meter Installation of 15MM Dia Multijet Mechanical Water Meter	4-D Package	Nos.	60,000	1,50,00,000	2021 (November)

Work Order No-PO-005/ZO/WATER METER/4D/NITISHA ENT/2021-22

We wish him all the best in future and would like to thanks him for the contribution towards the projects. This certificate has been issued on request of M/s. Nitisha Enterprises Company for



#### TO WHOM IT MAY CONCERN

This is to certify that we M/s CHANDRA NIRMAN PVT LTD., 507, 5th Floor, "Empress", Beside Maruti Life Style, Kota Road, Raipur - 492001 (C.G.) are approved contractors for URBAN ADMINISTRATIVE DEVELOPMENT DEPARTMENT, RAIPUR (C.G.). We have in the past 3 years purchased and utilized RAHUL brand AMR compatible, non AMR & workman bulk size water meters manufactured by Rajasthan Industrial & Scientific corporation plot No.40 Jhotwara Jaipur - 302012.

The performance and after sales of RAHUL brand is satisfactory and we can recommend the said brand as good performer for timely supplies and after sales

For, CHANDRA NIRMAN PVT.LTD.



Date: 9th January 2023 Place: Raipur - (C.G.).

#### OFFICE OF THE EXECUTIVE ENGINEER, P.H.E.D.. REVENUE & DRAINAGE DIVISION, JODHPUR

No.: 1198

Date: 5/8/2010

#### TO WHOM IT MAY CONCERN

This is hereby certified that 15mm Class B Multijet Magnetic Water Meters of 'RAHUL' brand were installed in Jodhpur city. The performance of which is observed to be satisfactory in all respect.

> Executive Engine P.H. P. P. Divi क्षर क्षक (ग्रेंक्सी कृती है नेज व्यव स्वा० समि। विभाव





DATE:02/12/2022

GST No.: 08GIBPS9477N1Z3

To whom it may concern

This is to certify that we M/s Nitisha enterprises, Bhilwara are approved contractors for MPUDC Water Supply Projects (M.P.)And AMRUT PROJECTS(C.G. We have in the past 3 years purchased and utilised RAHUL brand AMR compatible, non AMR & workman bulk size water meters manufactured by Rajasthan Industrial & Scientific corporation plot no. 40 Jhotwara Jaipur - 302012 .

The performance and after sales of RAHUL brand is satisfactory and we can recommend the said brand as good performer for timely supplies and after sales

Authorized Signatory

FOR NITISHA ENTERPRISES PROPRIETOR

Ref.N.191/ZO/WATER METER/NITISHA ENT./2022-23

Date: 2nd December 2022

Office of the Superintending Engineer Public Health Engineering Department City Circle, Jaipur

No.: F-2(C)/SE/PHED/PC/WM/JPR/2004-05/ 9441

#### CERTIFICATE

#### To whom so ever it may concern

This is to certify that the Public Health Engineering Department, Jaipur has purchased 15mm Class B Multi Jet Mag. Water Meters under D.O.S.&D. rate contract in the year 2003-04 & 2004-05 from M/s Rajasthan Industrial & Scientific Corporation under their brand

They have provided excellent after sales service to the Public Health Engineerin Department of Jaipur.

The Installation of these meters has increased the water revenue tremendously in many zones i.e. by 50 to 60% thus resulting an overall increase of revenue by 21% and still is





















### RECOMMENDATIONS

#### OFFICE OF THE EXECUTIVE ENGINEER, P.H.E.D. REVENUE & DRAINAGE DIVISION, JODHPUR

No.: 1198

Date: 5/8/2010

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> Executive Engineer P.H. D. R.D. Division क्यर खब्द (जेंक्सी)क्यंत्र नेव वादक स्वाक समिक विभाव कोत्रपुर गोव कं 139

#### आगरा जल संस्थान, आगरा मीटर टेस्टिंग रिपोर्ट (राहुल मीटर)

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	पिछला	वर्तमान	(लीट्स में)			
1/2"	200.00	265.00	65.00	66.00	अधिक	ठीक
	265.00	279.10	14.10	14.00	कम	ठीक
3/4"	200.00	399.10	199.10	200.00	अधिक	ठीक
	399.10	404.80	5.70	6.00	कम	ठीक
1"	512.00	592.20	80.20	78.00	अधिक	ठीक
	592.20	618.70	26.50	25.00	कम	ठीक

सीनियर मीटर मैकेनिक

एम.डी.

सहायक अभियन्ता''मु0' (मै0 राजस्थान इडि0 एण्ड जल संस्थान, आगरा

No.: F-2(C)/SE/PHED/PC/WM/JPR/2004-05/ 9441

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overnment of Rajasthan Public Health Engineering Department

#### TO WHOMSOEVER IT MAY CONCERN

installed through PHED have found as per specification of BIS and their performance in the field

















### SOME OF OUR GOVT CLIENTS











Muncipal Corporation of Greater Mumbai.



Bangalore Water Supply & Sewerage Board (Bangalore).



Southern Railway, Chennai.



North Eastern Railway, Jaipur.



Public Health Engineering Deptt., Mizoram.

#### Other's:

Gujrat Water Supply & Sewerage Board, Ghandinagar (Gujrat). Garrison Engineers, Gujrat. Garrison Engineers, Barmer.

#### Other's:

Garrison Engineers, Kochi. Kerala Water Supply & Sewerage Board, Kerala.

















### SOME OF OUR CORPORATE CLIENTS





Reliance Gas Transportation Infrastructure Limited.













Adani Power Limited.

**ECOMM** 

i-comm-tele-ltd.



Coromandel Infrastructure Pvt. Ltd.

**DCM SHRIRAM** 

DCM-Shriram Industries Limited.





Maharaja Shree Umaid Mills Limited

Maharaja ummed Singh Mills.

GKC Projects. Limited.





Jaipur Metro.





Megha engineering and infrastructures ltd. Narayan Hardayala Multinational hospital























### REACH US



40, Industrial Area, Jhotwara, Jaipur, 302012, India



+91 94140 54555 +91 141 2340272/ 5094



rahulmeters@gmail.com













