

GEOVAS

....keeping you informed

Live Webcam Demo of Remote Prepaid Metering

1. Link for running the Demo

- In order to view the **Live Demo**, kindly send your company background & contact information to the below email ID:
contact@geovas.com
- Details for the same will be mailed on request & verification of the contact details.
- To view the **Live Demo** screens, please continue to the next page.

2. View a Meter

To View a Meter, Navigate to **Manage Meters->Meters->Meter Serial No. (Highlighted)**.

METRIX Automatic Meter Reader Control Panel

demo 21:22:31

Manage User
Manage Meters

Meters

Add Meter

Meter Setup
Read Meters
Meter Control
Instantaneous
History
Tamper
Load Survey
TOD
Payment GateWay
Prepaid Settings
Simulator
Graph
Prepaid Status
Postpaid Status
Meter Alert Report
Live Demo

Meter Setup
Meter List

1 2 3 4 5 ... Last

SI No	Meter Serial No	Consumer Name	Consumer Code	Meter Type	Category	Sanction Load	IMEI	IP	Edit	Delete
11	00110007	Geovas	Demo-TriBand-1	mGPRS 1Ph (5-30A)	Category		353451044537643			
12	00110008	PTMPURA	R&D	mGPRS 1Ph (5-30A)	Category		353451044534087			
13	00110010	Bombay	DEMO	mGPRS 1Ph (5-30A)	Category	100	353451044605242			
14	00110011	R&D		mGPRS 1Ph (10-60A)	Category		545435434343233	27.61.223.28		
15	00110012	Bangalore	DEMO	mGPRS 1Ph (5-30A)	Category	1	353451044607339	223.177.78.128		
16	00110020	AlliedTest		mGPRS 1Ph (5-30A)	Category	100	359011032739470	223.189.56.109		
17	00110021	NDPL	NDPL-Test	mGPRS 1Ph (5-30A)	Category	100	359011032766192	117.96.247.13		
18	00111011			mGPRS 1Ph (5-30A)	Category		359771036571134			
19	00111101	A2Z	DEMO	mGPRS 1Ph (5-30A)	Category		359771034449416	115.244.124.46		
20	00111102	A2Z	DEMO	mGPRS 1Ph (5-30A)	Category		353451040030643			

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3. View a Meter Cont'd

METRIX Automatic Meter Reader Control Panel Help Home Logout

demo 21:20:57

- Manage User
- Manage Meters
 - Meters
 - Add Meter
- Meter Setup
- Read Meters
- Meter Control
- Instantaneous
- History
- Tamper
- Load Survey
- TOD
- Payment GateWay
- Prepaid Settings
- Simulator
- Graph
- Prepaid Status
- Postpaid Status
- Meter Alert Report
- Live Demo

View Meter

[Print](#)

Meter No	:	00110012	Meter Model	:	IAMR-WITH-RELAY
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Customer Details

Customer Code	:	DEMO	Category	:	Category
Customer Name	:	Bangalore	Sanction Load	:	1
Customer Address	:	Electrical Room	Division	:	RHN
	:		Zone	:	421
Phone Number	:	+91 9742083692	Transformer No	:	none
Customer Email	:		Pole No	:	none

Meter Details

Meter Seal	:		Country	:	Other
TB Seal	:		SMS Gateway	:	geovas
MeterBox Seal	:		SIM Number	:	+91 9686669785
Mfg Date	:		Network Operator	:	Airtel
Meter Type	:	mGPRS 1Ph(5-30A)			

Connection Type :- Prepaid

Tamper Alert Numbers

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4. Edit Meter

To Edit a Meter, Navigate to **Manage Meters-> Meters-><Page#>->Pencil Icon for Edit (Highlighted).**

METRIX Automatic Meter Reader Control Panel

demo 21:10:27

Manage User

Manage Meters

Meters

Add Meter

Meter Setup

Read Meters

Meter Control

Instantaneous

History

Tamper

Load Survey

TOD

Payment GateWay

Prepaid Settings

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Meter Alert Report

Live Demo

Meter Setup

Meter List

1 2 3 4 5 ... Last

SI No	Meter Serial No	Consumer Name	Consumer Code	Meter Type	Category	Sanction Load	IMEI	IP	Edit	Delete
11	00110007	Geovas	Demo-TriBand-1	mGPRS 1Ph (5-30A)	Category		353451044537643			
12	00110008	PTMPURA	R&D	mGPRS 1Ph (5-30A)	Category		353451044534087			
13	00110010	Bombay	DEMO	mGPRS 1Ph (5-30A)	Category	100	353451044605242			
14	00110011	R&D		mGPRS 1Ph (10-60A)	Category		545435434343233	27.61.223.28		
15	00110012	Bangalore	DEMO	mGPRS 1Ph (5-30A)	Category	1	353451044607339	223.177.78.128		
16	00110020	AlliedTest		mGPRS 1Ph (5-30A)	Category	100	359011032739470	223.189.56.109		
17	00110021	NDPL	NDPL-Test	mGPRS 1Ph (5-30A)	Category	100	359011032766192	117.96.247.13		
18	00111011			mGPRS 1Ph (5-30A)	Category		359771036571134			
19	00111101	A2Z	DEMO	mGPRS 1Ph (5-30A)	Category		359771034449416	115.244.124.46		
20	00111102	A2Z	DEMO	mGPRS 1Ph (5-30A)	Category		353451040030643			

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5. Edit Meter Cont'd...

METRIX Automatic Meter Reader Control Panel Help Home Logout

demo 21:14:19

- Manage User
- Manage Meters
 - Meters
 - Add Meter
- Meter Setup
- Read Meters
- Meter Control
- Instantaneous
- History
- Tamper
- Load Survey
- TOD
- Payment GateWay
- Prepaid Settings
- Simulator
- Graph
- Prepaid Status
- Postpaid Status
- Meter Alert Report
- Live Demo

Edit Meter

Meter No	:	00110012	Meter Model	:	IAMR-WITH-RELA
----------	---	----------	-------------	---	----------------

Customer Details

Customer Code	:	DEMO	Category	:	Domestic
Customer Name	:	Bangalore	Sanction Load	:	1
Customer Address	:	Electrical Room	District/Division	:	RHN
	:		Zone	:	421
Phone Number	:	+91 9742083692	Transformer No	:	None
Customer Email	:		Pole No	:	None

Meter Details

Meter Seal	:		Country	:	Other
TB Seal	:		SMS Gateway	:	Geovas
MeterBox Seal	:		SIM Number	:	9686669785
Mfg Date	:		Do not Enter Country Code		
Meter Type	:	mGPRS 1Ph(5-30)	Network Operator	:	Airtel

☐ Postpaid ☒ Prepaid

Tamper Alert Numbers

Number1	:	9742083692
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6. Prepaid Settings

METRIX Automatic Meter Reader Control Panel

Help Home Logout

demo 17:49:24

- Manage User
- Manage Meters
- Meter Setup
- Read Meters
- Meter Control
- Instantaneous
- History
- Tamper
- Load Survey
- TOD
- Payment GateWay
- Prepaid Settings
 - PrePaid Settings
- Simulator
- Graph
- Prepaid Status
- Postpaid Status
- Meter Alert Report
- Live Demo

Prepaid Settings

Please Select a Meter ▾

Select

7. Prepaid Settings Cont'd...

METRIX Automatic Meter Reader Control Panel Help Home Logout

demo 17:51:13

- Manage User
- Manage Meters
- Meter Setup
- Read Meters
- Meter Control
- Instantaneous
- History
- Tamper
- Load Survey
- TOD
- Payment GateWay
- Prepaid Settings
 - PrePaid Settings
- Simulator
- Graph
- Prepaid Status
- Postpaid Status
- Meter Alert Report
- Live Demo

Prepaid Settings

Please Select a Meter

- Please Select a Meter
- 00110012
- 00111210
- 00441101
- 1112-Prepaid

Select

8. Prepaid Settings Cont'd...

Rate per kWh and/or Threshold can be set to higher value while testing.

The screenshot displays the 'METRIX Automatic Meter Reader Control Panel' interface. The top navigation bar includes links for 'Help', 'Home', and 'Logout'. The user is logged in as 'demo' at 17:52:12. A left sidebar lists various system functions, with 'Prepaid Settings' highlighted. The main content area, titled 'Current Prepaid Settings', contains two input fields: 'Rate per kWh' set to '500.00' and 'Alert Threshold' set to '5'. Both fields are followed by 'rs' (Rupees). A 'Save' button is positioned below these fields.

Current Prepaid Settings	
Rate per kWh	500.00 rs
Alert Threshold	5 rs

Save

9. Before Recharge

Before Recharge, the meter is disconnected - no Load condition. To view the Live Demo/Meter navigate to last menu: ***Live Demo***.



10. Recharge Meter

METRIX Automatic Meter Reader Control Panel

Help Home Logout

demo 17:54:17

- Manage User
- Manage Meters
- Meter Setup
- Read Meters
- Meter Control
- Instantaneous
- History
- Tamper
- Load Survey
- TOD
- Payment GateWay
- PrePaid**
- Prepaid Settings
- Simulator
- Graph
- Prepaid Status
- Postpaid Status
- Meter Alert Report
- Live Demo

Prepaid Meter Data

Select a Meter :

11. Recharge Meter Cont'd...

METRIX Automatic Meter Reader Control Panel Help Home Logout

demo 19:22:33

- Manage User
- Manage Meters
- Meter Setup
- Read Meters
- Meter Control
- Instantaneous
- History
- Tamper
- Load Survey
- TOD
- Payment GateWay
 - PrePaid
- Prepaid Settings
- Simulator
- Graph
- Prepaid Status
- Postpaid Status
- Meter Alert Report
- Live Demo

Prepaid Meter Data

Select a Meter : 00110012

Balance Left : -161.00

Add Amount :

Done

Previous Transactions

SL NO	kWh	Recharge Amount	Current Balance	TimeStamp
1	66.7630	200.00	194.50	2011-12-01 10:11:05
2	66.8640	1.00	145.00	2011-12-01 10:30:31
3	67.0330	40.00	100.50	2011-12-01 10:43:01

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12. Recharge Meter Cont'd...

METRIX Automatic Meter Reader Control Panel Help Home Logout

demo 19:23:21

- Manage User
- Manage Meters
- Meter Setup
- Read Meters
- Meter Control
- Instantaneous
- History
- Tamper
- Load Survey
- TOD
- Payment GateWay
 - PrePaid
 - Prepaid Settings
 - Simulator
 - Graph
 - Prepaid Status
 - Postpaid Status
 - Meter Alert Report
 - Live Demo

Prepaid Meter Data

Select a Meter : 00110012

Balance Left : -161.00

Add Amount : 1000

Done

Previous Transactions

SL NO	kWh	Recharge Amount	Current Balance	TimeStamp
1	66.7630	200.00	194.50	2011-12-01 10:11:05
2	66.8640	1.00	145.00	2011-12-01 10:30:31
3	67.0330	40.00	100.50	2011-12-01 10:43:01

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13. Recharge Meter Cont'd...

METRIX Automatic Meter Reader Control PanelHelp Home Logout

 demo19:23:53

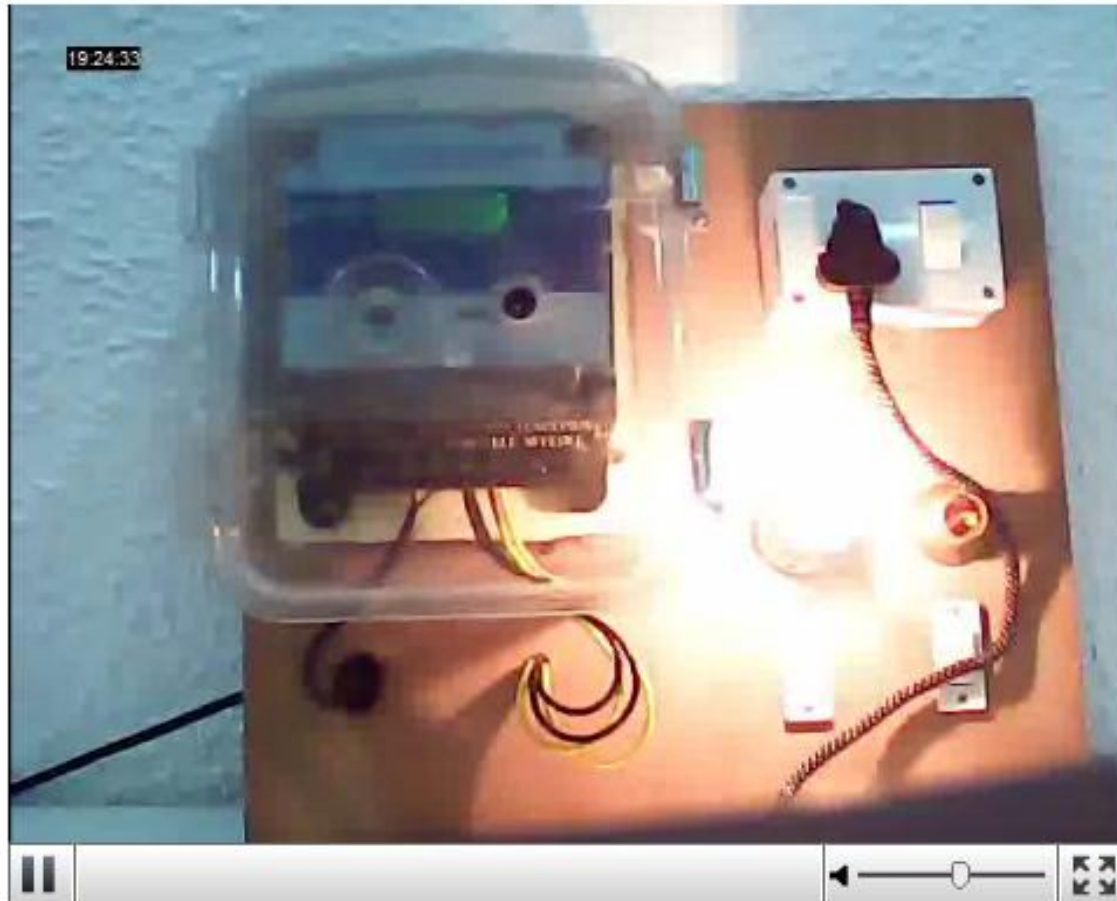
- Manage User
- Manage Meters
- Meter Setup
- Read Meters
- Meter Control
- Instantaneous
- History
- Tamper
- Load Survey
- TOD
- Payment GateWay
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- Live Demo

You have successfully recharged for 1000rs Your current balance is 839rs

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14. After Recharge

After Recharge the meter is connected - Load condition.

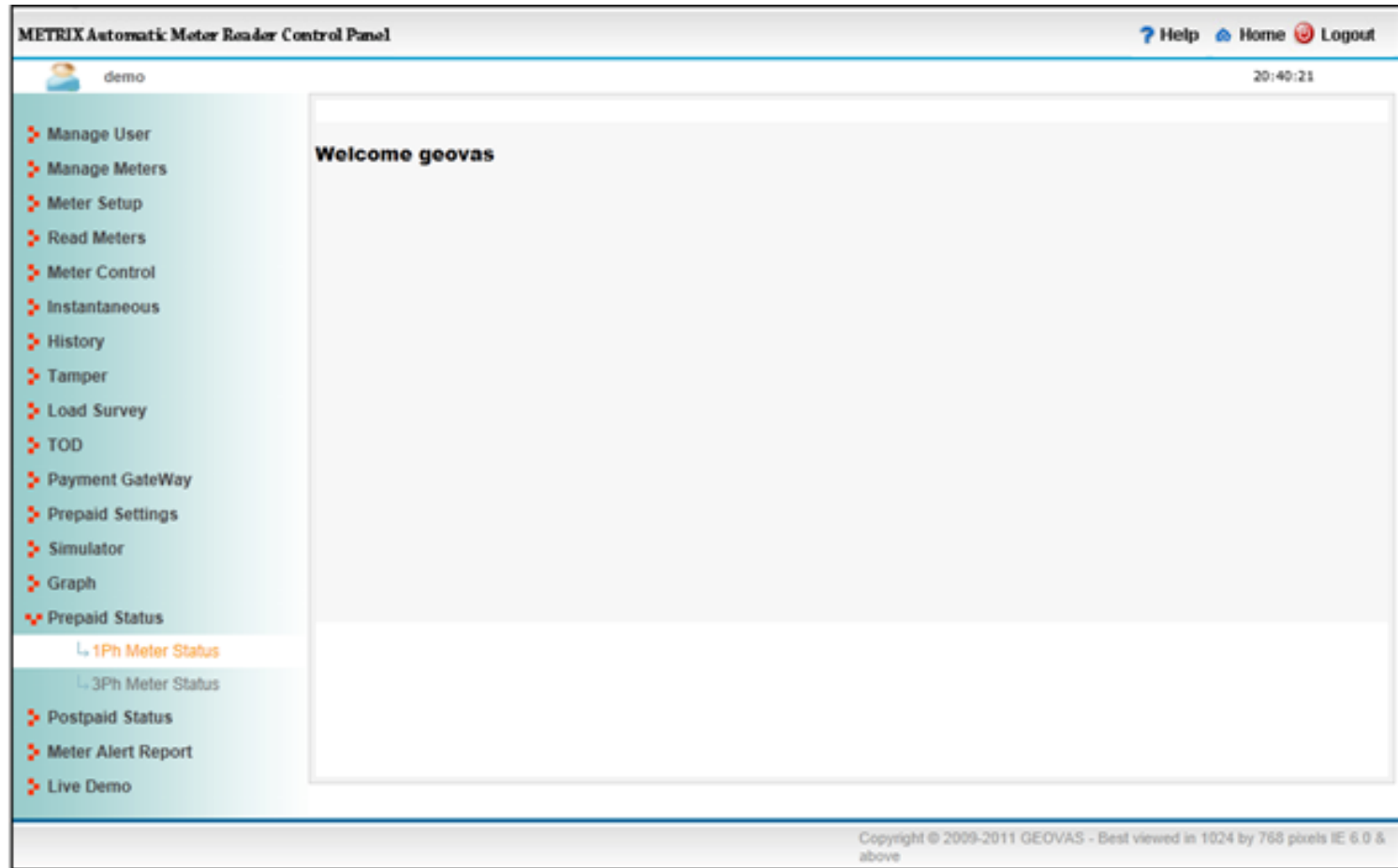


15. Prepaid Meter Billing Calculation

- As meter starts running , KWh increments, and Amount decrements according to the formula.
- ***Amount = Amount- (KWh incremented * rate)***
- ***KWh incremented = KWh – Old KWh***

16. Various Prepaid Scenarios

Navigate to *Prepaid Status-> 1Ph Meter Status*



17. Various Prepaid Scenarios

PREPAID METER STATUS

SNo	Meter Serial	Time Stamp	Voltage	Current	PF	Frequency	Load(in kW)	kWh	Load Status	Signal(dB)	Recent Download	Balance
1	00110012	2011-12-02 18:10:28	227.6	4.46	1.00	50.0	1.0193	67.3700	Connected	27	present@2011-12-02 18:10:28	477.50
2	00111210	2011-11-28 17:06:45	200.8	0.02	0.00	50.1	0.0000	0.0000	Connected	28	present@2011-11-28 17:06:45	100.00
3	00441101	2011-11-29 17:25:53	232.1	4.99	0.99	49.6	1.1614	1.9420	Connected	20	present@2011-11-29 17:25:53	335.50
4	1112-Prepaid	2011-09-02 20:32:36	240.0	0.00	1.00	50.0	0.0000	100.0000	Connected	30	present@2011-09-02 20:32:36	344.55

Figure A

PREPAID METER STATUS

SNo	Meter Serial	Time Stamp	Voltage	Current	PF	Frequency	Load(in kW)	kWh	Load Status	Signal(dB)	Recent Download	Balance
1	00110012	2011-12-02 18:14:14	227.6	4.40	1.00	50.0	1.0053	67.4330	Connected	27	present@2011-12-02 18:14:14	446.00
2	00111210	2011-11-28 17:06:45	200.8	0.02	0.00	50.1	0.0000	0.0000	Connected	28	present@2011-11-28 17:06:45	100.00
3	00441101	2011-11-29 17:25:53	232.1	4.99	0.99	49.6	1.1614	1.9420	Connected	20	present@2011-11-29 17:25:53	335.50
4	1112-Prepaid	2011-09-02 20:32:36	240.0	0.00	1.00	50.0	0.0000	100.0000	Connected	30	present@2011-09-02 20:32:36	344.55

Figure B

18. Various Prepaid Scenarios Cont'd...

From Figure A, we see Kwh value is 67.3700 and Amount is Rs.477.50

From Figure B, we see Kwh value is 67.4330 and Amount is Rs.446.00

Kwh incremented is 0.063 and Rate per kwh as set in the prepaid setting page is Rs.500.

Therefore the Amount is decremented by Rs.31.5.

Final balance is Rs.446.00.

19. Various Prepaid Scenarios Cont'd...

When the Amount becomes less than the Threshold value (Set in the prepaid settings) SMS alert will be sent to the Customer Mobile with the following content.

“ Dear Customer, your prepaid balance is less than Rs.5, Please recharge soon to avoid disconnection! ”

You can add your number in the highlighted **Customer Details->Phone no.** field, in the next slide, **“4. Edit a Meter”**(Slide 5 & 6), to test the SMS. The Gateway to be selected while adding the meter is “Geovas” .

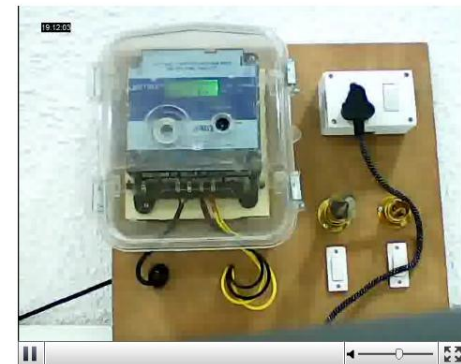
20. Various Prepaid Scenarios Cont'd...

When the balance decreases to zero or goes less than zero, load will be disconnected.

PREPAID METER STATUS

SNo	Meter Serial	Time Stamp	Voltage	Current	PF	Frequency	Load(in kW)	kWh	Load Status	Signal(dB)	Recent Download	Balance
1	00110012	2011-12-02 18:30:03	231.3	0.00	---	49.9	0.0000	67.6950	Disconnected	27	present@2011-12-02 18:30:03	-81.00
2	00111210	2011-11-28 17:06:45	200.8	0.02	0.00	50.1	0.0000	0.0000	Connected	28	present@2011-11-28 17:06:45	100.00
3	00441101	2011-11-29 17:25:53	232.1	4.99	0.99	49.6	1.1614	1.9420	Connected	20	present@2011-11-29 17:25:53	335.50
4	1112-Prepaid	2011-09-02 20:32:36	240.0	0.00	1.00	50.0	0.0000	100.0000	Connected	30	present@2011-09-02 20:32:36	344.55

Now the load is disconnected.





Thank you!