Outage Monitoring :

Outage Monitoring is done by using SAIFI/SAIDI reports. This report is used to monitor the feeder health during the month (Study Period), its Max demand during the Month, reliability factors, and Power availability so as to check the functionality of the feeder during the month. It also helps to identify unmetered location, MF issue, Outages.

Step for generating SAIDI-SAFI report:

To understand and generating MDAS reports, you need to login into the application and follow steps:-

- Enter the URL in the address bar of the internet browser as shownhttp://sso.uppclonline.com:8080/opensso/UI/Login.
- > Enter User Name and Password in the respective **EMPLOYEE LOGIN** screen.
- Click Log In. The system displays the R-APDRP System Home Page.
- Click MDAS link. The MDAS Home Page is opened.
- > MDAS Home Page \rightarrow Global \rightarrow Reports \rightarrow View Report.
- > Click **MIS Reports Network wise** and select **Report 101**.
- > View Report detail. Select Date/Month and click Show Study.
- > Select **Study**. All devices are appeared and select all substations.
- SAIDI SAIFI Report appeared.

UTTAR PRADESH P	OWER CORPORATION LTD.
	EMPLOYEE LOGIN User Name: Password: Log In

(1) System Login Page

			Cha	inge Password Logout
MBC	MDAS and EA GIS and NA	VVAM	Other Systems	Consumer Related
New Connection	* MDAS-MVVNL* GIS	* Asset Management	Document Management System	n * Reset Consumer Logii
Metering	> EA-MVVNL > Network Analy	sis ^{>} Maintenance Managen	nent ^{>} Reports	> My Page
Billing				> Web Self Service
Collection				
> Disconnection				
Customer Care Cen	ter			

(2) R-APDRP System Home Page

MRC	MDAS and EA GIS and N	0.000	Other Sustame	hange Password Logout
> New Connection	MDAS-MW/NI GIS	Asset Management	 Document Management Systems 	em > Reset Consumer Logi
> Metering	> EA-MVVNL > Network Ana	Ilysis> Maintenance Manager	ment [»] Reports	 My Page
> Billing				> Web Self Service
Collection				
Disconnection				
Customer Care Cere	nter			

(3) Click MDAS link

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MADERANGERL-VIDUEr/VEARAN/Nexm/Beb.lucknow Secure Meter Data Acquisition Version.	and Analysis 1.1.0.2 (1102.6)
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Integrator Image: Secure Meter Data Acquisition and Analysis Watch ss (Data Centre) Image: Secure Meter Data Acquisition and Analysis Integrator Encryser (MIS) CIM Global Global Secure Meter Data Acquisition and Analysis Secure Meter Data Acquisition and Analysis Secure Acquisition and the purpose and generate exceptions and MIS reports for proper planing, monitoring, decisions and taking correct on the business activities by the management. It is time consuming & cost ineffective to collect meter reading data by manually visiting accurate billing ourposes and generate exceptions and MIS reports for proper planing, monitoring, decisions and taking correct on the business activities by the management. It is time consuming & cost ineffective to collect meter reading data by manually visiting accurate billing location. Secure Online Monitoring - Substations (Data Centre) solution receives feeder meter data at predefined frequency from deployed system at the ubstation through GPRS communication technology. The system and Consumer meters using GSM/GPRS communication technology any human intervention, monitor important system parameters/events and generate alarms on critical system conditions. The solution offers rich, socialized functionality which is of great heigh to the tot the information needs. It is operational and performance parameters of HT feeders and distribution transformers as analyzed from meter reading. The solution provides an excellent, user-friendly interface to share meter information and meter reading data by form external sources as well. Supply quality and reliability is the	scenario & .nt system ive actions in & every respective aisilion and y, avoiding icludes the points. The .itoring and \$ reliability,
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(4) MDAS Home Page



(5) Global: View Report

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+ User Management	Select Report Category Pl	ublished Rep	orts			
♣ Administrative Area		Report ID	Report Name	Report Description		
= Reports	-Analysis Reports	100	Distribution Transformer-wise Unbalancing Report	Report for Unbalancing at Distribution Transformer	View Report	
Publish Report	MIS Reports - Network Wise	101	MIS Report of Distribution Feeder	Report for MIS at Distribution Feeder	View Report	
Synchronize Setting	MIS Reports - Administration Auto Department	102	MIS Report of Distribution Transformer	Report for MIS at Distribution Transformer	View Report	
View Report	PFC Reports	etwork wise	Operation \& Reliability Report	Report for Operation \& Reliability	View Report	
-Consumer Data Analysis Report	-Excel Reports	104	MIS Report of Overloaded Distribution Transformer	Report for MIS at Overloaded Distribution Transformer	View Report	
Reading Analysis Report Meter Event Report	·····Reading Status Report	105	MIS Report of Underloaded Distribution Transformer	Report for MIS at Underloaded Distribution Transformer	View Report	
Alarm and Notification		166	Distribution Transformer-Reliability \& Continuous Loading Report	Report for Reliability \& Continuous Loading at Distribution Transformer	View Report	
		186	Voltage Variation Report Of Feeder And DT	Voltage Variation Report Of Feeder And DT	View Report	
		187	Power Factor Report Of Feeder	Power Factor Report Of Feeder	View Report	
		600	Metering Node	Metering Node	View Report	_
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(6) MIS Reports Network wise



(7) Report 101

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User Management Administrative Area Reports Publish Report Synchronize Sotting View Report Consume Colas Analysis Report Reading Analysis Report Reter Event Report Alarm and Notification secure	Study Period Study Period Date Wise From Date :	From Time: 00 → Nr(00 → min: To Time: 00 → Nr(00 → min: Year: 2016 →									

(8) View Report Detail



(9) Show Study



(10) Find Sub Station

cure Meter Data Acquisition and Analysis -	Window	ws Internet Explorer			-	_	-				<u> </u>					_	-						
MADHYANCHAL VIDYUT VI	TARAN	NIGAM EID. DUG	KNOW										Se	cure l	Meter	Data	Acquis v	ition an arsion. 1.	nd Analy 1.0.2 (110				
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 Administrative Area 		MIS Report of Distribution Feeder																					
Publish Report																							
Synchronize Setting	SR. No.	Feeder Name	Feeder Code			Reliability Indices Peak Loading Condition										Condition							
View Report Consumer Data Analysis Report Reading Analysis Report				Meter Serial No.	MF	HINS	(HAPPA) JOINS	HISV	(HARAH)	НЮ	CAIDI (HEHH)	CTAIDT (HEMM)	INSM	MO	HIM	INSAED	Peak kVA	Average Current (Amp.)	Date &Tir (DD/MM/ HH:MM				
Meter Event Report	Subs	station Name: NAK	TADHANA																<u> </u>				
 Alarm and Notification 	1	AWAS VIKAS#	34213310014 AVK	352401	40	55.93	217:04	-	-	65.93	03:52	217:04	0.71	1.00	0.00	-	0.00	0.00	31/05/10 23				
	2	KASHI RAM#	34213310014 KRM	352697	40	61.07	258:49			61.07	04:14	258:49	0.65	1.00	0.00		2831.41	104.07	17/05/16 19				
	3	KHAKRA POSHAR#	34213310014 KPR	532178	40	66.78	230:00	-	-	66.78	03:28	230:00	0.69	1.00	0.07	-	1505.07	89.87	18/05/18 19				
	4	NOTAP#	34213310014	352694	120	-	-	-	-	-		-	-	-	-	-	8305.08	434.80	10/05/18 14				
		POLICE LINE#	34213310014	352699	20	75.60	204:04	-		75.60	02:41	204:04	0.73	0.99	1.27	-	1127.22	00.73	25/05/10 17				
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(11) SAIDI SAIFI Report

	MIS Report of Distribution Feeder																	
Stu	Study Period: 01-May-2016 To: 01-Jun-2016																	
							Reliabil	ity Indices		Power A and Inte	vailability erruption			Peak				
SF No	۲. ٥.	Feeder Name	Feeder Code	Substation Name	Meter Serial No.	MF	<u>Saifi</u>	<u>SAIDI</u> (HH:MM)	Total (HH:MM)	On (HH:MM)	Off (HH:MM)	No.	% Availability	Peak kVA	Average Current (Amp.)	Date & Time (DD/MM/YY HH:MM)	Diversity Factor	Reactive Compensation kVAr
	11	1 KVA FEEDER NO.1#	22303110107FD1	MAINPURI FATAK	UD013145	40	38.88	48:51	744:00	669:30	74:30	31	89.99	3,809.60	205.47	16/05/16 14:00	.53#	584.48
	21	1 KVA FEEDER NO.2#	22303110107FD2	MAINPURI FATAK	UD013163	40	37.93	50:57	720:00	668:30	51:30	20	92.85	1,862.40	66.72	15/05/16 20:30	.27#	328
	31	1 KVA FEEDER NO.3#	22303110107FD3	MAINPURI FATAK	UD013162	40	22.07	40:00	744:00	683:00	61:00	30	91.8	2,747.20	143.97	15/05/16 21:30	.24#	586.4
	41	1 KVA FEEDER NO.4#	22303110107FD4	MAINPURI FATAK	UD013166	40	59.8	63:06	744:00	674:30	69:30	29	90.66	1,123.20	63.65	20/05/16 15:00	.45#	550.4
	51	1 KVA FEEDER NO.5#	22303110107FD5	MAINPURI FATAK	UD013164	40	17.62	28:43	744:00	709:00	35:00	20	95.3	0.00	0	31/05/16 23:30	_	-
	6 N	IOTAP	22303110107	MAINPURI FATAK	-	0	-	-	-	-	-	-	-	-	-	-	-	-

(12) SAIDI SAIFI Report