

Sales, Customers, Rural & Distribution

Networks Situation

Description	March 2018	Sep. 2018	unit
Total Monthly Sales	255026	137300	
Residential	83402	47094	GWh
Public	24328	13753	
Agricultural	39379	22194	
Industrial	84218	42053	
Other Consumption (Commercial)	18681	10136	
Street Lighting	5017	2070	
Total Customers	34836	35390	
Residential	28101	28478	10 ³ Customers
Public	1611	1662	
Agricultural	422	435	
Industrial	236	241	
Other Consumption (Commercial)	4465	4574	
Distribution Network	Mar-18	Nov-18	unit
Length of Medium-Voltage Lines	425	430	10 ³ Km
Length of Low-Voltage Lines	362	367	
Number of Transformers	687	703	10 ³ Units
Capacity of Transformers	119361	121015	MVA
Electrified Villages	Mar-18	Nov-18	unit
Total Number of Electrified Villages	57030	57095	Villages
Total Electrified Villages Households	4496820	4497578	H.h.
Length of Rural Medium-Voltage Lines	145436	145543	Km
Length of Rural Low-Voltage Lines	100091	100133	
Number of Rural Transformers	77002	77099	Units
Capacity of Rural Transformers	7698	7701	MVA

Electricity Industry at a Glance, March 2018



Description	Measure	unit
Installed Capacity per Capita	959	W
Generation per Capita	3820	KWh
Consumption per Capita	3117	
Ave.Con. Of each Household	2968	

Various Consumption Sectors (%)

Description	March 2018	Sep. 2018
Residential	32.7	34.3
Public	9.5	10.0
Agricultural	15.4	16.2
Industrial	33.0	30.6
Other Consumption (Commercial)	7.3	7.4
Street Lighting	2.0	1.5

Power Industry Personnel, March 2018

Description (Degree)	Person	%
School Education	3110	6.7
High School Diploma	7114	15.3
Associate Degree	7436	16.0
B.A. / B.S. Degree	21370	46.1
M.S. & Ph.D.	7316	15.8
Total	46346	100

Islamic Republic of Iran
Ministry of Energy


Tavanir Company

Statistical Summary of Iran Electricity Industry

Deputy of Research & Human Resources

Information , communication Technology & Statistics Bureau

14 Dec. 2018



<http://amar.tavanir.org.ir>

Nominal & Operational Capacity, Generation & Consumption Until 14 Dec. 2018

Description		Measure	unit
Nominal Capacity of the Power plants	Thermal	65109	MW
	Nuclear	1020	
	Hydro	11938	
	Renewable	651	
	DG & CHP	1335	
Total		80053	
*Increase of Nominal Capacity	Steam		
	Gas	585	
	Combined Cycle	320	
	Diesel		
	Renewable	98	
	Hydro	70	
	DG & CHP	186	
Total		1259	
*Actual Capacity at Peak Load Time (11/07/2018 at 16:38)	Thermal	49142	GWH
	Hydro & Renewable	11466	
Total		60608	
*Available Gen. at Peak Load Time (11/07/2018 at 16:38)	Thermal	44884	
	Hydro & Renewable	3775	
Total		48659	
*Imported Power at Peak Load Time		214	
*Supplied Demand at Peak Load Time		48873	
*Max. Managed Consumption in 2018	Day(11/07/2018 at 16:38)	57098	
	Night(10/07/2018 at 21:37)	55175	
*Gross Generation	Thermal	234534	
	Hydro & Renewable	8014	
	Total		242548
*Imported Energy	Change (%)=-19	2415	
*Exported Energy	Change (%)=-32	4322	

* 21 March.2018 - 14Dec.2018

Reference : Iran Grid Management Co. (IGMC)

Fuel Consumption, 21 March.2018- 14 Dec.2018

Description	Change (%)	Measure	unit
Natural Gas	5.8	56451	10 ⁶ m ³
Diesel	-27.8	1735	10 ⁶
Fuel Oil	-20.4	1764	Liter
Total	3.44	59950	

Synchronized & Forcated Power Plants Units In(2018-2019)**

Date of Synchronization	Name	Type	Unit No.	Nominal Capacity
Synchronized Power Plants Units				
2018	Renewable	Renewable		98
2018	DG & CHP	DG & CHP		186
16/04/2018	Jahrom	Combined Cycle	1	160
22/07/2018	Caspian	Gas	1	307
31/07/2018	Dariyan	Hydro	3	70
06/08/2018	Parand	Combined Cycle	2	160
07/10/2018	Golbarg(Makoo)	Gas	1,2	76
12/11/2018	Zahedan	Gas	1	42
25/11/2018	Hormoz	Gas	1	160
Total Synchronized Power Plants Units				1259
Forecasted Power Plants Units				
	Shirvan	Combined Cycle	2	160
	Dalahoo	Gas	1	307
	Jahrom	Combined Cycle	2	160
	Sabalan	Combined Cycle	1	160
	Kashan	Combined Cycle	1	160
	Sardasht	Hydro	1,2,3	150
	Renewable	Renewable		302
	DG & CHP	DG & CHP		14
	Asalooye	Combined Cycle	1	160
	Gharbe Karoon	Gas	1	162
	Iran LNG	Gas	1,2,3	480
	Ferdosi	Combined Cycle	1	160
Total Forecasted Power Plants Units				2375
Synchronized & Forcated Power Plants Units				3634

**21 March.2018 - 20 March.2019

Transmission & Sub_Transmission Lines & Substations

Description	March. 2018	Increase	Nov. 2018	Unit
Length of Lines	400 Kv	20617	363	20980
	230 Kv	31589	557	32146
	Total	52206	920	53126
	132 Kv	23504	101	23605
	63&66 Kv	48295	509	48804
	Total	71799	610	72409
Capacity of Substations	400 Kv	64093	1760	65853
	230 Kv	82045	1751	83796
	Total	146138	3511	149649
	132 Kv	32251	608	32859
	63&66 Kv	72794	1278	74072
	Total	105045	1886	106931
Power Plant Substations	89027	1073	90100	
Total Substations	340210	6470	346680	

Lines & Substations Projects With More Than 85% Progress

Description	Sep. 2018	Unit
Length of Lines	400 Kv	409
	230 Kv	374
	Transmission Total	783
	132 Kv	680
	63&66 Kv	1861
	Distribution Total	2541
Total		3324
Capacity of Substations	400 Kv	2545
	230 Kv	3480
	Transmission Total	6025
	132 Kv	635
	63&66 Kv	2685
	Distribution Total	3320
Total		9345

Reference : Regional Electric Companies