

Sales, Customers, Rural & Distribution

Networks Situation

Description	March 2018	July 2018	unit
Total Monthly Sales	255586	84327	
Residential	83402	26035	GWh
Public	24387	8627	
Agricultural	39379	13380	
Industrial	84658	28855	
Other Consumption (Commercial)	18736	6076	
Street Lighting	5022	1353	
Total Customers	34846	35191	
Residential	28106	28338	10 ³ Customers
Public	1613	1645	
Agricultural	422	431	
Industrial	236	239	
Other Consumption (Commercial)	4468	4538	
Distribution Network	Mar-18	Aug-18	unit
Length of Medium-Voltage Lines	425	428	10 ³ Km
Length of Low-Voltage Lines	362	364	
Number of Transformers	687	696	10 ³ Units
Capacity of Transformers	118830	120300	MVA
Electrified Villages	Mar-18	Jul-18	unit
Total Number of Electrified Villages	57030	57083	Villages
Total Electrified Villages Households	4496820	4497457	H.h.
Length of Rural Medium-Voltage Lines	145436	145531	Km
Length of Rural Low-Voltage Lines	100091	100127	
Number of Rural Transformers	77002	77086	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	3126	
Ave.Con. Of each Household	2968	

Various Consumption Sectors (%)

Description	March 2018	July 2018
Residential	32/6	30.9
Public	9/5	10.2
Agricultural	15/4	15.9
Industrial	33/1	34.2
Other Consumption (Commercial)	7/3	7.2
Street Lighting	2/0	1.6

Power Industry Personnel, March 2018

Description (Degree)	Person	%
School Education	3185	6/8
High School Diploma	7349	15/8
Associate Degree	7549	16/2
B.A. / B.S. Degree	21454	46/1
M.S. & Ph.D.	7037	15/1
Total	46756	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

05 Oct. 2018



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

Nominal & Operational Capacity, Generation & Consumption Until 05 Oct. 2018

Description		Measure	unit
Nominal Capacity of the Power plants	Thermal	64697	MW
	Nuclear	1020	
	Hydro	11951	
	Renewable	452	
	DG & CHP	1293	
Total		79413	
*Increase of Nominal Capacity	Steam		
	Gas	307	
	Combined Cycle	320	
	Diesel		
	Renewable	88	
	Hydro	70	
	DG & CHP	144	
Total		929	
*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	185441	
	Hydro & Renewable	6728	
	Total		192169
*Imported Energy	Change (%) =-29	1761	
*Exported Energy	Change (%) =-38	3338	

* 21 March.2018 - 05 Oct.2018

Reference : Iran Grid Management Co. (IGMC)

Fuel Consumption, 21 March.2018- 05 Oct.2018

Description	Change (%)	Measure	unit
Natural Gas	7.1	45809	10 ⁶ m ³
Diesel	-22.0	1106	10 ⁶
Fuel Oil	-31/4	1108	Liter
Total	4.87	48023	

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

Date of Synchronization	Name	Type	Unit No.	Nominal Capacity
Synchronized Power Plants Units				
2018	Renewable	Renewable		88
2018	DG & CHP	DG & CHP		144
16/04/2018	Jahrom	Combined Cycle	1	160
22/07/2018	Kaspian	Gas	1	307
31/07/2018	Dariyan	Hydro	3	70
06/08/2018	Parand	Combined Cycle	2	160
Total Synchronized Power Plants Units				929
Forecasted Power Plants Units				
	Shirvan	Combined Cycle	1,2	320
	Kaspian	Combined Cycle	1	140
	Dalahoo	Gas	1	304
	Goharan	Combined Cycle	1	160
	Makoo	Gas	1,2,3	110
	Parand	Combined Cycle	3	160
	Jahrom	Combined Cycle	2	160
	Sabalan	Combined Cycle	1	160
	Kashan	Combined Cycle	1	160
	Sardasht	Hydro	1,2,3	150
	Zahedan	Gas	1,2,3,4	174
	Renewable	Renewable		872
	DG & CHP	DG & CHP		56
Total Forecasted Power Plants Units				2926
Synchronized & Forcasted Power Plants Units				3855

**21 March.2018 - 20 March.2019

Transmission & Sub_Transmission Lines & Substations

Description	March. 2018	Increase	Sep. 2018	Unit	
Length of Lines	400 Kv	20617	363	20980	
	230 Kv	31589	534	32123	
	Total	52206	897	53103	
	132 Kv	23504	61	23565	
	63&66 Kv	48295	429	48724	
Total	71799	490	72289	Km-Circuit	
Total	124005	1387	125392		
Capacity of Substations	400 Kv	64093	1760		65853
	230 Kv	82045	1231		83276
	Total	146138	2991		149129
	132 Kv	32251	448	32699	
	63&66 Kv	72794	1073	73867	
Total	105045	1521	106566	MVA	
Total	251183	4512	255695		
Power Plant Substations	89027	873	89900		
Total Substations	340210	5385	345595		

Lines & Substations Projects With More Than 85% Progress

Description	March. 2018	Unit
Length of Lines	400 Kv	634
	230 Kv	1025
	Transmission Total	1659
	132 Kv	595
	63&66 Kv	1412
Distribution Total	2007	Km-Circuit
Total	3666	
Capacity of Substations	400 Kv	3175
	230 Kv	3090
	Transmission Total	6265
	132 Kv	540
	63&66 Kv	2225
Distribution Total	2765	MVA
Total	9030	

Reference : Regional Electric Companies