

Sales, Customers, Rural & Distribution Networks Situation

Description	March 2017	March 2018	unit
Total Monthly Sales	237436	255724	
Residential	78378	84682	GWh
Public	22914	24340	
Agricultural	36222	39437	
Industrial	77603	83781	
Other Consumption (Commercial)	17620	18871	
Street Lighting	4699	4612	
Total Customers	33824	34854	
Residential	27354	28103	10 ³ Customers
Public	1543	1624	
Agricultural	400	422	
Industrial	225	236	
Other Consumption (Commercial)	4301	4469	
Distribution Network(March.2018)			
Length of Medium-Voltage Lines	416	424	10 ³ Km
Length of Low-Voltage Lines	353	362	
Number of Transformers	658	686	10 ³ Units
Capacity of Transformers	114945	118830	MVA
Electrified Villages(March.2018)			
Total Number of Electrified Villages	56793	57065	Villages
Total Electrified Villages Households	4492752	4497427	H.h.
Length of Rural Medium-Voltage Lines	145049	145557	Km
Length of Rural Low-Voltage Lines	99958	100131	
Number of Rural Transformers	76735	77060	Units
Capacity of Rural Transformers	7687	7700	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	3013	

Various Consumption Sectors (%)

Description	March 2017	March 2018
Residential	33.0	33.1
Public	9.7	9.5
Agricultural	15.3	15.4
Industrial	32.7	32.8
Other Consumption (Commercial)	7.4	7.4
Street Lighting	2.0	1.8

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

22 June. 2018



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

Nominal & Operational Capacity, Generation & Consumption Until 22June. 2018

Description	Measure	unit
Nominal Capacity of the Power plants	Thermal	64230
	Nuclear	1020
	Hydro	11881
	Renewable	364
	DG & CHP	1241
Total	78736	
*Increase of Nominal Capacity	Steam	
	Gas	
	Combined Cycle	160
	Diesel	
	Renewable	
	Hydro	
	DG & CHP	92
	Total	252
*Actual Capacity at Peak Load Time (20/06/2018 at 14:33)	Thermal	50186
	Hydro & Renewable	11477
	Total	61663
*Available Gen. at Peak Load Time (20/06/2018 at 14:33)	Thermal	45737
	Hydro & Renewable	3102
	Total	48839
*Imported Power at Peak Load Time	601	
*Supplied Demand at Peak Load Time	49440	
*Max. Managed Consumption in 2018	Day(20/06/2018 at 14:33)	50713
	Night(20/06/2018 at 21:29)	49446
*Gross Generation	Thermal	78248
	Hydro & Renewable	2439
	Total	80687
*Imported Energy	Change (%) =-16	1013
*Exported Energy	Change (%) =-10	2153

MW

GWH

* 21 March.2018 - 22 June.2018

Reference : Iran Grid Management Co. (IGMC)

Fuel Consumption, 21 March.2018- 22June.2018

Description	Change (%)	Measure	unit
Natural Gas	4.0	18773	10 ⁶ m ³
Diesel	126.2	735	10 ⁶
Fuel Oil	91.6	454	Liter
Total	7.23	19962	

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

Date of Synchronization	Name	Type	Unit No.	Nominal Capacity
Synchronized Power Plants Units				
2018	DG & CHP	DG & CHP		92
16/04/2018	Jahrom	Combined Cycle	1	160
Total Synchronized Power Plants Units				252
Forecasted Power Plants Units				
	Shirvan	Combined Cycle	1,2	320
	West mazandaran	Combined Cycle	1	140
	West mazandaran	Gas	1	307
	Dalahoo	Gas	1	304
	Goharan	Combined Cycle	1	160
	Makoo	Gas	1,2,3	110
	Parand	Combined Cycle	2,3	320
	Jahrom	Combined Cycle	2	160
	Sabalan	Combined Cycle	1	160
	Kashan	Combined Cycle	1	160
	Dariyan	Hydro	3	70
	Sardasht	Hydro	1,2,3	150
	Zahedan	Gas	1,2,3,4	174
	Renewable	Renewable		960
	DG & CHP	DG & CHP		108
Total Forecasted Power Plants Units				3603
Synchronized & Forcasted Power Plants Units				3855

**21 March.2018 - 20 March.2019

Transmission & Sub_Transmission Lines & Substations

Description	March. 2018	Increase	June 2018	Unit
Length of Lines	400 Kv	20793	363	21156
	230 Kv	32084	1	32085
	Total	52877	364	53241
	132 Kv	23753	0	23753
	63&66 Kv	48366	245	48611
Total	72119	245	72364	Km-Circuit
Total	124996	609	125605	
Capacity of Substations	400 Kv	63763	1030	64793
	230 Kv	81695	45	81740
	Total	145458	1075	146533
	132 Kv	32066	343	32409
	63&66 Kv	72489	548	73037
	Total	104555	891	105446
	Total	250013	1966	251979
Power Plant Substations	88544	200	88744	MVA
Total Substations	338557	2166	340723	

Lines & Substations Projects With More Than 85% Progress

Description	Jan. 2018	Unit
Length of Lines	400 Kv	597
	230 Kv	732
	Transmission Total	1329
	132 Kv	377
	63&66 Kv	928
Distribution Total	1305	
Total	2634	Km-Circuit
Total	2634	
Capacity of Substations	400 Kv	2545
	230 Kv	2495
	Transmission Total	5040
	132 Kv	430
	63&66 Kv	1940
Distribution Total	2370	
Total	7410	MVA
Total	7410	

Reference : Regional Electric Companies