

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

01 June. 2018



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

Nominal & Operational Capacity, Generation & Consumption Until 01 June. 2018

Description	Measure	unit
Nominal Capacity of the Power plants	Thermal	64230
	Nuclear	1020
	Hydro	11881
	Renewable	364
	DG & CHP	1231
Total	78726	
*Increase of Nominal Capacity	Steam	
	Gas	
	Combined Cycle	160
	Diesel	
	Renewable	
	Hydro	
	DG & CHP	82
	Total	242
*Actual Capacity at Peak Load Time (30/05/2018 at 41:31)	Thermal	50591
	Hydro & Renewable	11461
	Total	62052
*Available Gen. at Peak Load Time (30/05/2018 at 14:31)	Thermal	41473
	Hydro & Renewable	2760
	Total	44233
*Imported Power at Peak Load Time	326	
*Supplied Demand at Peak Load Time	44559	
*Max. Managed Consumption in 2018	Day(30/05/2018 at 14:31)	44559
	Night(31/05/2018 at 21:21)	44170
*Gross Generation	Thermal	57630
	Hydro & Renewable	1620
	Total	59250
*Imported Energy	Change (%) =-21	748
*Exported Energy	Change (%) =-14	1509

MW

GWH

* 21 March.2018 - 01 June.2018

Reference : Iran Grid Management Co. (IGMC)

Fuel Consumption, 21 March.2018- 01 June.2018

Description	Change (%)	Measure	unit
Natural Gas	4.3	13520	10 ⁶ m ³
Diesel	199.5	656	10 ⁶
Fuel Oil	75.3	333	Liter
Total	8.48	14509	

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

Date of Syn-chronization	Name	Type	Unit No.	Nominal Capacity
Synchronized Power Plants Units				
2018	DG & CHP	DG & CHP		82
16/04/2018	Jahrom	Combined Cycle	1	160
Total Synchronized Power Plants Units				242
Forecasted Power Plants Units				
	Shirvan	Combined Cycle	1,2	320
	West mazandaran	Combined Cycle	1	140
	West mazandaran	Gas	1	307
	Bandarabas 2	Gas	1	307
	Ghadire Gheshm	Gas	1,2	324
	Khoram Abad	Gas	1,2	324
	Dalahoo	Gas	1	304
	Goharan	Combined Cycle	1	160
	Haris	Gas	1	310
	Makoo	Gas	1,2,3	110
	Parand	Combined Cycle	2,3	320
	Jahrom	Combined Cycle	2,3	320
	Sabalan	Combined Cycle	1	160
	Kashan	Combined Cycle	1	160
	Ferdosi	Combined Cycle	1,2,3	480
	Asalooye	Combined Cycle	1,2,3	480
	Dariyan	Hydro	3	70
	Sardasht	Hydro	1,2,3	150
	Renewable	Renewable		960
	DG & CHP	DG & CHP		118
Total Forecasted Power Plants Units				5824
Synchronized & Forcasted Power Plants Units				6066

**21 March.2018 - 20 March.2019

Transmission & Sub_Transmission Lines & Substations

Description	March. 2018	Increase	May 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	78	48444
	Total	72119	78	72197
Capacity of Substations	400 Kv	63763	315	64078
	230 Kv	81695	0	81695
	Total	145458	315	145773
	132 Kv	32066	188	32254
	63&66 Kv	72489	339	72828
	Total	104555	527	105082
	Total	250013	842	250855
	Power Plant Substations	88544	200	88744
Total Substations	338557	1042	339599	

Km-Circuit

MVA

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	
Capacity of Substations	400 Kv	2545
	230 Kv	2495
	Transmission Total	5040
	132 Kv	430
	63&66 Kv	1940
	Distribution Total	2370
Total	7410	

Km-Circuit

MVA

Reference : Regional Electric Companies