

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

04 May. 2018



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

Nominal & Operational Capacity, Generation & Consumption Until 04May. 2018

Description	Measure	unit
Nominal Capacity of the Power plants	Thermal	64230
	Nuclear	1020
	Hydro	11881
	Renewable	364
	DG & CHP	1190
Total	78685	
*Increase of Nominal Capacity	Steam	
	Gas	
	Combined Cycle	160
	Diesel	
	Renewable	
	Hydro	
	DG & CHP	41
	Total	201
*Actual Capacity at Peak Load Time (30/04/2018 at 20:44)	Thermal	52725
	Hydro & Renewable	11477
	Total	64202
*Available Gen. at Peak Load Time (30/04/2018 at 20:44)	Thermal	35921
	Hydro & Renewable	1522
	Total	37443
*Imported Power at Peak Load Time	538	
*Supplied Demand at Peak Load Time	37981	
*Max. Managed Consumption in 2018	Day(29/04/2018 at 14:21)	37096
	Night(20:44)	37981
*Gross Generation	Thermal	34243
	Hydro & Renewable	933
	Total	35176
*Imported Energy	Change (%) =-16	467
*Exported Energy	Change (%) =3	883

MW

GWH

* 21 March.2018 - 04 May.2018

Reference : Iran Grid Management Co. (IGMC)

Fuel Consumption, 21 March.2018- 04 May.2018

Description	Change (%)	Measure	unit
Natural Gas	6.1	7545	10 ⁶ m ³
Diesel	750.0	578	10 ⁶
Fuel Oil	235.9	262	Liter
Total	15.58	8385	

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		41
16/04/2018	Jahrom	Combined Cycle	1	160
Total Synchronized Power Plants Units				201
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
	Pasargade 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		159
Total Forecasted Power Plants Units				5865
Synchronized & Forcasted Power Plants Units				6066

**21 March.2018 - 20 March.2019

Transmission & Sub_Transmission Lines & Substations

Description	March. 2018	Increase	April 2018	Unit
Length of Lines	400 Kv	20793	0	20793
	230 Kv	32084	0	32084
	Total	52877	0	52877
	132 Kv	23753	0	23753
	63&66 Kv	48366	74	48440
	Total	72119	74	72193
Capacity of Substations	Total	124996	74	125070
	400 Kv	63763	0	63763
	230 Kv	81695	0	81695
	Total	145458	0	145458
	132 Kv	32066	3	32069
	63&66 Kv	72489	70	72559
	Total	104555	73	104628
	Total	250013	73	250086
Power Plant Substations	88544	200	88744	
Total Substations	338557	273	338830	

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	

Reference : Regional Electric Companies