

## Sales, Customers, Rural & Distribution

### Networks Situation

Description	March 2017	March 2018	unit
<b>Total Monthly Sales</b>	<b>237436</b>	<b>255724</b>	
Residential	78378	84682	GWh
Public	22914	24340	
Agricultural	36222	39437	
Industrial	77603	83781	
Other Consumption (Commercial)	17620	18871	
Street Lighting	4699	4612	
<b>Total Customers</b>	<b>33824</b>	<b>34854</b>	
Residential	27354	28103	10 <sup>3</sup> Customers
Public	1543	1624	
Agricultural	400	422	
Industrial	225	236	
Other Consumption (Commercial)	4301	4469	
<b>Distribution Network(March.2018)</b>			
Length of Medium-Voltage Lines	416	424	10 <sup>3</sup> Km
Length of Low-Voltage Lines	353	362	
Number of Transformers	658	686	10 <sup>3</sup> Units
Capacity of Transformers	114945	118830	MVA
<b>Electrified Villages(March.2018)</b>			
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
<b>Total</b>	<b>46756</b>	<b>100</b>



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

29 June. 2018



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

**Nominal & Operational Capacity, Generation & Consumption Until 29 June. 2018**

Description	Measure	unit
Nominal Capacity of the Power plants	Thermal	64230
	Nuclear	1020
	Hydro	11881
	Renewable	364
	DG & CHP	1241
<b>Total</b>	<b>78736</b>	
*Increase of Nominal Capacity	Steam	
	Gas	
	Combined Cycle	160
	Diesel	
	Renewable	
	Hydro	
	DG & CHP	92
<b>Total</b>	<b>252</b>	
*Actual Capacity at Peak Load Time (27/06/2018 at 16:23)	Thermal	49559
	Hydro & Renewable	11478
<b>Total</b>	<b>61037</b>	
*Available Gen. at Peak Load Time (27/06/2018 at 16:23)	Thermal	45697
	Hydro & Renewable	4110
<b>Total</b>	<b>49807</b>	
*Imported Power at Peak Load Time		430
*Supplied Demand at Peak Load Time		50237
*Max. Managed Consumption in 2018	Day(27/06/2018 at 16:23)	<b>54456</b>
	Night(27/06/2018 at 21:25)	51759
*Gross Generation	Thermal	85577
	Hydro & Renewable	2784
	<b>Total</b>	<b>88361</b>
*Imported Energy	Change ( %) =-17	1089
*Exported Energy	Change ( %) =-10	2335

\* 21 March.2018 - 29 June.2018

Reference : Iran Grid Management Co. ( IGMC )

**Fuel Consumption, 21 March.2018- 29 June.2018**

Description	Change ( %)	Measure	unit
Natural Gas	3.9	20643	10 <sup>6</sup> m <sup>3</sup>
Diesel	116.6	771	10 <sup>6</sup>
Fuel Oil	55.5	451	Liter
<b>Total</b>	<b>6.63</b>	<b>21865</b>	

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

Date of Synchronization	Name	Type	Unit No.	Nominal Capacity
<b>Synchronized Power Plants Units</b>				
2018	DG & CHP	DG & CHP		92
16/04/2018	Jahrom	Combined Cycle	1	160
<b>Total Synchronized Power Plants Units</b>				<b>252</b>
<b>Forecasted Power Plants Units</b>				
	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
<b>Total Forecasted Power Plants Units</b>				<b>3603</b>
<b>Synchronized &amp; Forcated Power Plants Units</b>				<b>3855</b>

\*\*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
	<b>Total</b>	<b>52877</b>	<b>364</b>	<b>53241</b>
	132 Kv	23753	0	23753
	63&66 Kv	48366	245	48611
<b>Total</b>	<b>72119</b>	<b>245</b>	<b>72364</b>	
<b>Total</b>	<b>124996</b>	<b>609</b>	<b>125605</b>	
Capacity of Substations	400 Kv	63763	1030	64793
	230 Kv	81695	45	81740
	<b>Total</b>	<b>145458</b>	<b>1075</b>	<b>146533</b>
	132 Kv	32066	343	32409
	63&66 Kv	72489	548	73037
	<b>Total</b>	<b>104555</b>	<b>891</b>	<b>105446</b>
<b>Total</b>	<b>250013</b>	<b>1966</b>	<b>251979</b>	
Power Plant Substations	88544	200	88744	
<b>Total Substations</b>	<b>338557</b>	<b>2166</b>	<b>340723</b>	

**Lines & Substations Projects With More Than 85% Progress**

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

Reference : Regional Electric Companies