

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	425	10 ³ Km
Length of Low-Voltage Lines	353	362	
Number of Transformers	658	687	10 ³ Units
Capacity of Transformers	114945	119185	MVA
Electrified Villages(March.2018)			
Total Number of Electrified Villages	56793	57030	Villages
Total Electrified Villages Households	4492752	4496797	H.h.
Length of Rural Medium-Voltage Lines	145049	145421	Km
Length of Rural Low-Voltage Lines	99958	100091	
Number of Rural Transformers	76735	77003	Units
Capacity of Rural Transformers	7687	7698	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

06 July. 2018



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

Nominal & Operational Capacity, Generation & Consumption Until 06 July. 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 (03/07/2018 at 16:02)	Thermal	49162
	Hydro & Renewable	11478
Total	60640	
*Available Gen. at Peak Load Time (03/07/2018 at 16:02)	Thermal	45427
	Hydro & Renewable	4036
Total	49463	
*Imported Power at Peak Load Time		262
*Supplied Demand at Peak Load Time		49725
*Max. Managed Consumption in 2018	Day(03/07/2018 at 16:02)	56641
	Night(03/07/2018 at 21:49)	54292
*Gross Generation	Thermal	93020
	Hydro & Renewable	3244
	Total	96264
*Imported Energy	Change (%) =-18	1145
*Exported Energy	Change (%) =-15	2400

* 21 March.2018 - 06 July.2018

Reference : Iran Grid Management Co. (IGMC)

Fuel Consumption, 21 March.2018- 06 July.2018

Description	Change (%)	Measure	unit
Natural Gas	4.5	22546	10 ⁶ m ³
Diesel	92.3	804	10 ⁶
Fuel Oil	27.9	495	Liter
Total	6.57	23845	

Synchronized & Forcated 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 & Forcated 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	
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	
Total Substations	338557	2166	340723	

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	483
	63&66 Kv	1358
Distribution Total	1841	
Total	3500	
Capacity of Substations	400 Kv	3175
	230 Kv	3090
	Transmission Total	6265
	132 Kv	540
	63&66 Kv	2225
Distribution Total	2765	
Total	9030	

Reference : Regional Electric Companies