



## Ahar Projects List

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**AHAR** |  
Power Station Services

## The List of Ahar Projects in Iran

No.	Project	Type	Organization Name	Old Brand /Type	Capacity (MW)
<b>Gas/Steam Turbine Control and Protection Projects (Ramyar)</b>					
1	Upgrading of Steam Turbine Compressor Control System and Replacing with AHAR New Designed System	Steam Turbo generator	Neka Power Plant	Siemens Compressor	320
2	Upgrading of Turbine Control System and Replacing with AHAR RAMYAR System	Steam Turbo generator	Ramin Steam Power Plant	LMZ Unit 6	320
3	Upgrading of Turbine Control System and Replacing with AHAR RAMYAR System	Steam Turbo generator	Shazand Power Plant	Dang Fang	320
4	Upgrading of BMS Control System and Replacing with AHAR New Designed System	Steam Turbo generator	Bandarabbas Power Plant	Franco Tosi	320
5	Upgrading of Turbine Protection, Monitoring & Control System and Replacing with AHAR RAMYAR System	Gas Turbo generator	Kazeroun Power Plant	Mitsubishi, Unit 1,2	130
6	Upgrading of Turbine Control System and Replacing with AHAR RAMYAR System	Gas Turbo generator	Rey Power Plant	Mitsubishi Unit 34	85
7	Design and Installation of Drum Level Control Systems and Air and Vacuum Control of Steam Units	Steam Turbo generator	Mashhad Power Plant	Skoda, Unit 1, 2	60
8	Upgrading of Turbine Control, Protection & Monitoring System and Replacing with AHAR RAMYAR System	Gas Turbo generator	Rey Power Plant	Acec, Units 1&3&5	40
9	Upgrading of Turbine Control, Protection & Monitoring System	Gas Turbo generator	Abadan Refinery	Hitachi, Unit 1&2	25

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	and Replacing with AHAR RAMYAR System				
10	Upgrading of Turbine Control, Protection and Monitoring System and Replacing with AHAR RAMYAR System	Gas Turbo generator	Kangan Power Plant	GE, Frame 5, Unit 3	25
11	Upgrading of Turbine Control, Protection and Monitoring System and Replacing with AHAR RAMYAR System	Gas Turbo generator	West Asia Steel Company	GE, Frame 5	25
12	Supervisor Turbine Control, Protection & Monitoring System	Gas Turbo generator	Parsian Gas Refinery	Hitachi Unit 1, 2	25
13	Upgrading of Turbine Control System and Replacing with AHAR RAMYAR System	Gas Turbo generator	Khark Power Plant	GE, Frame 5	25
14	Upgrading of Turbine Control System and Replacing with AHAR RAMYAR System	Gas Turbo generator	Polyacryl Power Plant	GE, Frame 5, Unit 2	25
15	Upgrading of Turbine Control System and Replacing with AHAR RAMYAR System	Gas Turbo generator	Tarasht Power plant	Hitachi H25, Unit 1	25
16	Upgrading of Turbine Protection, Monitoring & Control System and Replacing with AHAR RAMYAR System	Gas Turbo generator	Kish Power plant	GE Frame 5, Unit 3	25
17	Upgrading of Turbine Control System and Replacing with AHAR RAMYAR System	Gas Turbo generator	Sarakhs Power Plant	Frame 5	25
18	Upgrading of Turbine Control, Protection & Monitoring System and Replacing with AHAR	Gas Turbo generator	West Asia steel	Frame 5	25

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	RAMYAR System				
19	Upgrading of Turbine Control with System and Replacing AHAR RAMYAR System & Upgrading of Generator Excitation System and Replacing with AHAR SANYAR System	Gas Turbo generator	Qeshm Power Plant	GE, Frame5, Units 1, 3	25
20	Upgrading of Turbine Control System and Replacing with AHAR RAMYAR System & Upgrading of Generator Excitation System and Replacing with AHAR SANYAR System	Gas Turbo generator	Hashemi-Nezhad Gas Refinery	Westinghouse W-101G, Unit C	7.5
21	Upgrading of Turbo pump Control System and Replacing with AHAR RAMYAR System	Turbo pump	Zanganeh Oil Transfer Center	Siemens EGT100, Unit 1-5	5.7
22	Upgrading of Turbopump Control System and Replacing with AHAR RAMYAR System	Turbo pump	Chamran Oil Transfer Center	Siemens SGT100, Unit 1-5	5.7
23	Upgrading of Turbo compressor Control Device (Digital Governor) and replacing with AHAR RAMYAR 401 System	Turbo compressor	Hashemi-Nezhad Gas Refinery	Woodward	1
<b>Generator Excitation Control and Protection Projects (Sanyar)</b>					
1	Upgrading of Generator Excitation System and replacing AHAR SANYAR System	Steam Turbo generator	Sahand Power Plant	Shanghai, Unit 1,2,3	325
2	Upgrading of Generator Excitation System (Dynamic to Static) and Replacing with AHAR	Steam Turbo generator	Shazand Power Plant	Dang Fang, Unit 5	320

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	SANYAR System				
3	Upgrading of Generator Excitation System (Dynamic to Static) and Replacing with AHAR SANYAR System	Steam Turbo generator	Ramin Steam Power Plant	LMZ, Unit 5	320
4	Upgrading of Generator Excitation System and replacing AHAR SANYAR System	Steam Turbo generator	Isfahan Power Plant	Ansaldo, Unit 4,5	320
5	Upgrading of Generator Excitation System and replacing AHAR SANYAR System	Steam Turbo generator	Toos Power Plant	BBC	150
6	Upgrading of Generator Exciting System and Replacing with AHAR SANYAR System	Gas Turbo generator	Qom Power Plant	Mitsubishi, Unit 3	118
7	Upgrading of Generator Exciting System and Replacing with AHAR SANYAR System	Gas Turbo generator	Neka Power plant	Kraft Unit 1,2	120
8	Upgrading of Generator Static Excitation System and Replacing with AHAR SANYAR System	Steam Turbo generator	Besat Thermal Power Plant	GE, Unit1	100
9	Upgrading of Turbine Protection, Monitoring & Control System and Replacing with AHAR RAMYAR System	Gas Turbo generator	Rey Power Plant	Mitsubishi, Unit 34	85
10	Upgrading of Generator Exciting System and Replacing with AHAR SANYAR System	Gas Turbo generator	Bandar Emam Power Plant	BBC	70
11	Upgrading of Generator Exciting System and Replacing with AHAR SANYAR System	Gas Turbo generator	Yazd Power Plant	Kraft Units 1&2	68

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12	Upgrading of Generator Excitation System and Replacing with AHAR SANYAR System	Steam Turbo generator	Mashhad Power Plant	Skoda, Units 1, 2	60
13	Upgrading of Generator Excitation System and Replacing with AHAR SANYAR System	Steam Turbo generator	Abadan Refinery	English Electric, Units 1, 2, 3, 4	37.5
14	Upgrading of Generator Excitation and Protection System and Replacing with AHAR SANYAR System	Gas Turbo generator	Khark Power Plant	GE, Frame 5	33
15	Upgrading of Generator Excitation System and Replacing with AHAR SANYAR System	Gas Turbo generator	Abadan Refinery	Hitachi, Units 1, 2	25
16	Upgrading of Generator Excitation System and Replacing with AHAR SANYAR System	Gas Turbo generator	Parsian Gas Refinery	Hitachi, Units 1, 2	25
17	Replacement and Upgrading of Excitation, Protection and Monitoring System of Gas Turbine Generator No. 3, Model	Gas Turbo generator	Kish Power Plant	GE, Frame5	25
18	Upgrading of Generator Excitation, Protection and Monitoring System and Replacing with AHAR SANYAR System	Gas Turbo generator	Kish Power Plant	GE, Frame5, Unit 3	25
19	Upgrading of Turbine Control with System and Replacing AHAR RAMYAR System & Upgrading of Generator Excitation System and Replacing with AHAR SANYAR System	Gas Turbo generator	Qeshm Power Plant	GE, Frame5, Units 1, 3	25

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20	Upgrading of Generator Excitation System and Replacing with AHAR SANYAR System	Gas Turbo generator	Tabriz Refinery	SGT Unit 1, 2	12
21	Upgrading of Generator Excitation, Protection and Monitoring System and Replacing with AHAR SANYAR System	Gas Turbo generator	Tehran Refinery	Siemens Power Plant	9
22	Upgrading of Turbine Control System and Replacing with AHAR RAMYAR System & Upgrading of Generator Excitation System and Replacing with AHAR SANYAR System	Gas Turbo generator	Hashemi-Nezhad Gas Refinery	Westinghouse W-101G, Unit C	7.5
<b>Synchronous Machine Drive (Rastar)</b>					
1	Upgrading of SFC Drive System and Replacing with AHAR RASTAR System	Gas Turbo generator	Neka Power Plant	Kraft Units 1&2	120
2	Upgrading of SFC Drive System and Replacing with AHAR RASTAR System	Gas Turbo generator	Yazd Power Plant	Kraft Units 1&2	68
<b>Yokogawa DCS System (Ramona)</b>					
1	Designing and installing IO modules	Gas Refinery Plant	South Pars Refinery	Yokogawa	-
2	Designing and installing CPU modules	Oil Refinery Plant	Abadan Refinery	Yokogawa	-
3	Designing and installing IO and Communication modules	Oil Refinery Plant	Shazand Oil Refinery	Yokogawa	-
4	Designing and installing IO modules	Petrochemical Plant	Nouri Petrochemical	Yokogawa	-

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5	Designing and installing IO modules	Petrochemical Plant	Mobin Petrochemical	Yokogawa	-
6	Designing and installing CPU modules	Steel Company	Khorasan Steel Company	Yokogawa	-
<b>Fire and Gas Protection System (Manyar)</b>					
1	Replacing and updating the fire and gas system	-	Abadan Refinery	Hochiki	-
<b>Overspeed Protection</b>					
1	Upgrading Overspeed Protection system	Gas Turbo generator	Abadan Refinery	Hitachi H25 7258 rpm	30
2	Upgrading Overspeed Protection system	Gas Turbo generator	Rey Power Plant	ACEC 4800 rpm	40
3	Upgrading Overspeed Protection system	Gas Turbo generator	Hasheminejad Gas Refinery	Westinghouse 4800 rpm	10
4	Upgrading Overspeed Protection system	Gas Turbo generator	Tarasht Power Plant	Hitachi H25 7258 rpm	30
5	Upgrading Overspeed Protection system	Gas Turbo generator	Rey Power Plant	Mitsubishi 3000 rpm	85
6	Upgrading Overspeed Protection system	Gas Turbo generator	Kazeroun Power Plant	Mitsubishi 3000 rpm	130
7	Upgrading Overspeed Protection system	Gas Turbo generator	Qeshm Power Plant	GE 5100 rpm	25
8	Upgrading Overspeed Protection system	Gas Turbo pump	Chamran Oil Transfer Company	Siemens SGT100 21000 rpm	5.8
9	Upgrading Overspeed Protection system	Gas Turbo generator	Mashhad Power Plant	GE 5100 rpm	25
10	Upgrading Overspeed Protection system	Gas Turbo generator	Kangan Power Plant	GE 5100 rpm	25
11	Upgrading Overspeed Protection system	Gas Turbo generator	Polyacryliran	GE 5100 rpm	25
12	Upgrading Overspeed Protection	Gas Turbo	Sarakhs	GE	25

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	system	generator		5100 rpm	
13	Upgrading Overspeed Protection system	Gas Turbo generator	Kish Power Plant	GE 5100 rpm	25
14	Upgrading Overspeed Protection system	Gas Turbo generator	Khark Power Plant	GE 5100 rpm	25
15	Upgrading Overspeed Protection system	Gas Turbo generator	Shiraz Refinery	Sulzer 6400 rpm	10
16	Upgrading Overspeed Protection system	Gas Turbo generator	Iranshahr Power Plant	BBC 3000 rpm	64
17	Upgrading Overspeed Protection system	Gas Turbo compressor	OTC Company	SGT600 7700 rpm	25

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