

# RAHSARA

Construction-Procurement-Engineering

## PROFILE



SINCE 1990





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## WHO WE ARE

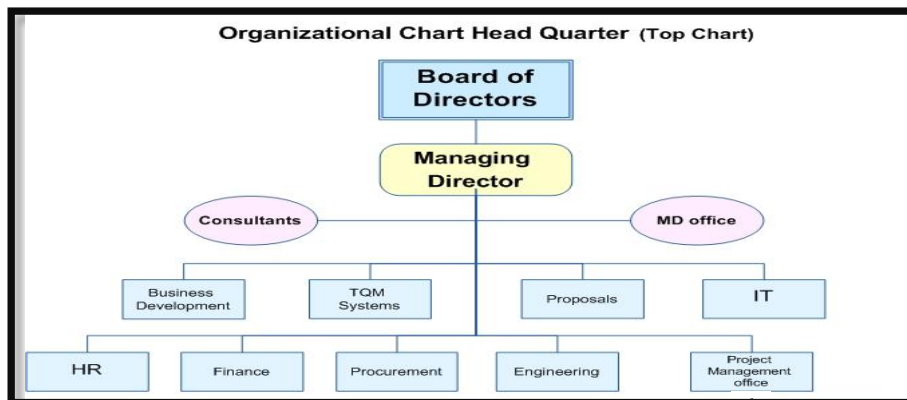
RAHSARA is a leading provider of engineering, procurement, construction, and project management services in Water industry.

With more than 50 projects delivered in Water sector since 1990, RAHSARA has developed a wealth of organizational processes enhanced by the lessons learnt, qualified technical and management staff, and a full spectrum of supply chain, all in the back drop of a professional credibility in the industry, to realize delivery of construction project in time, within budget, and at highest degree of quality and safety.

## WHO WE ARE (cont.)

### Core Areas of Activity

- Construction of Water Transmission Lines
- Construction of Pumping Stations
- Construction of Irrigation and Drainage Network
- Construction of Water and Sewage Treatment Plants
- Construction of Mechanized Irrigation Systems
- Design and implementation of Tele-metering and Control Systems
- Procurement of Mechanical, Electrical, and Instrumentation Equipment, and Control Systems

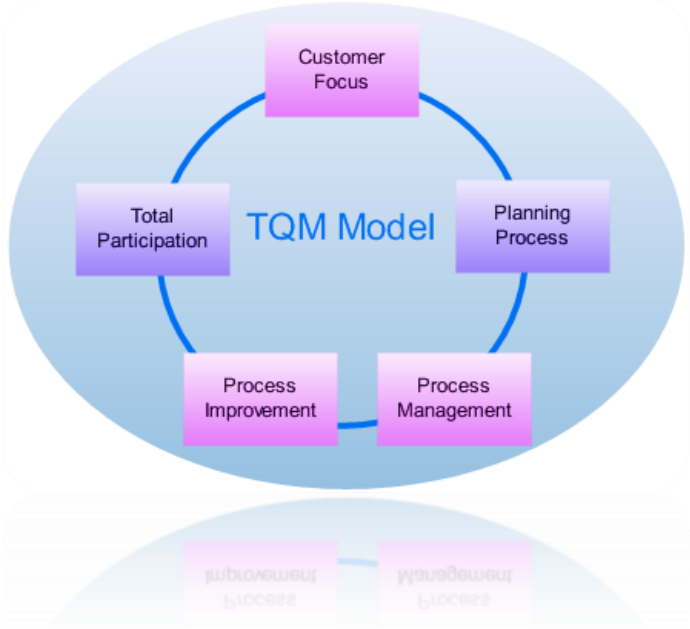


# MISSION

## Driven By Total Quality Philosophy



RAHSARA<sup>®</sup> is a leading privately-held construction company, which provides engineering, procurement, and construction services in the sector of water, wastewater, and energy infrastructure. Our company's three-decades-long heritage is built on the foundation of integrity, excellence, commitment, and social responsibility. Customer satisfaction through completing projects on time and within budget and exceeding customer's expectations of quality, safety, and value, alongside with employing environmentally-friendly practices are areas where we create differences.



## OUR SCOPE OF WORK

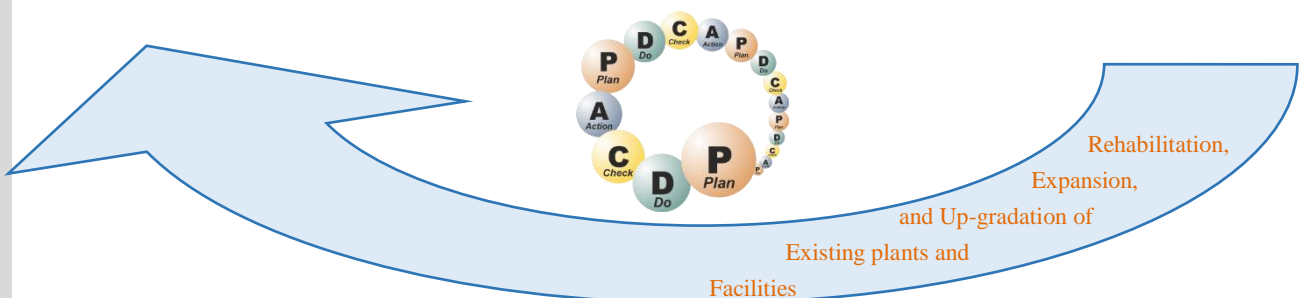
### An Integrated Project Approach



Once the project scope is defined by the client and the Front End Engineering Design has been carried out by engineering consultant, RAHSARA takes over to direct the project through all execution phases up to the hand-over point.

RAHSARA provides revamping and expansion services, including a design review and improvement and debottlenecking process, to the existing plants.

Engineering	Procurement	Construction	Operation
<ul style="list-style-type: none"> <li>◆ Preparing construction detail documents</li> <li>◆ Preparing tech. specifications and data sheets for equipment and material</li> <li>◆ Preparing supply requisition documents</li> <li>◆ Field engineering</li> <li>◆ Change order management</li> </ul>	<ul style="list-style-type: none"> <li>◆ Global sourcing of project equipment</li> <li>◆ Vendor qualification</li> <li>◆ Requisitioning</li> <li>◆ Techno-commercial assessment/negotiation</li> <li>◆ Order placement</li> <li>◆ Order expediting</li> <li>◆ Shop inspection and certification</li> <li>◆ Transportation to project site</li> </ul>	<ul style="list-style-type: none"> <li>◆ Highly skilled manpower,</li> <li>◆ Comprehensively documented work procedures</li> <li>◆ Wide range of tools and machinery</li> <li>◆ Efficient quality assurance system</li> <li>◆ Computerized material control</li> <li>◆ Well-established HSE and security performance</li> </ul>	<p>Some clients plan to run their water plant by a skilled and professional contractor, till their own operation crews are well trained and developed. RAHSARA's operation and maintenance department operate water treatment plants upon request.</p>





## FIELDS OF OPERATIONS

### *Pipelines*

No matter of route and amount, we'll transfer it

Projects using Steel, PE, and GRP pipes of up to 3000 mm OD have been implemented by RAHSARA.  
Coating and lining of steel pipes are carried out by RAHSARA.



### *Irrigation & Land Drainage*

Water should revive the land not to deteriorate

New mechanized irrigation systems including center pivot, wheel line, and supplemental methods are widely used for efficient irrigation. Land drainage systems, result in land improvement and water conservation.







# FIELDS OF OPERATIONS

## *P*umping Station

Moving Water Everywhere From Challenge to Projects

Water pumping stations ranging from 300 to 5000 lit/s have been constructed by RAHSARA since 1995.

*Large, double-suction, 1.5 MW pumps, requiring special installation provisions.*



## *W*ater Treatment Plants

Improved well-being, health, and safety by clean water

RAHSARA provided services for EPC and PC execution of WT projects at capacities up to 1500 lit/s, and operation and maintenance of large plants of 5000 lit/s.





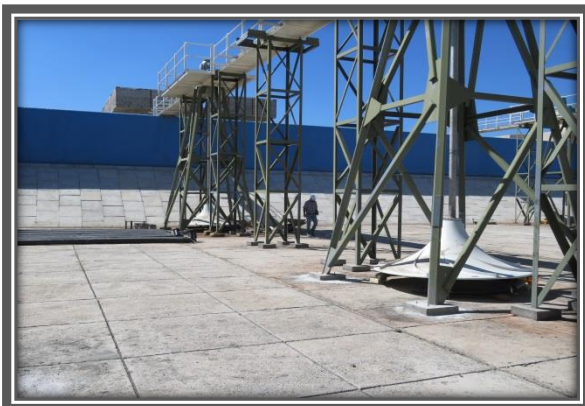
# FIELDS OF OPERATIONS

## **W**aste Water Treatment Plants

Waste water treatment accounts for half of all water treatment capacity.

Waste water treatment is as vital as raw water treatment in terms of public health and water conservation.

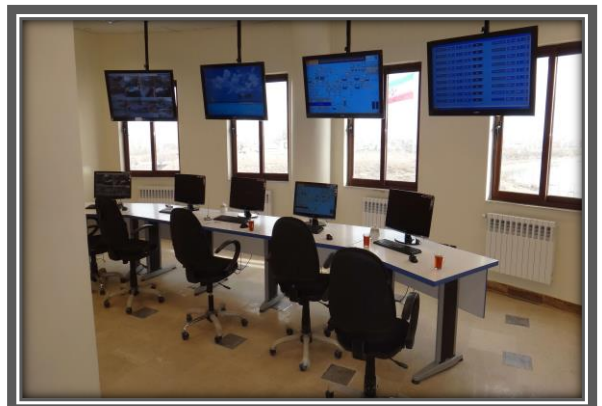
RAHSARA implements urban and industrial sewage treatment plants.



## **T**elemetry Systems

Telemetry systems for water network monitoring offer cost savings, flexibility and easy access to remote locations.

RAHSARA implemented Telemetry measuring and monitoring system on water supply and distribution network of a one million people city in 2012. Network points are distributed over a 27km radius. All quantitative and qualitative parameters of water in the network, as well as live pictures are transmitted through low-watt radio devices to the central control room.



# FIELD OF OPERATIONS

## Civil and Industrial Buildings

### Building is creating

Buildings in various usages of public services, office space, residential, and industrial have been constructed by RAHSARA.

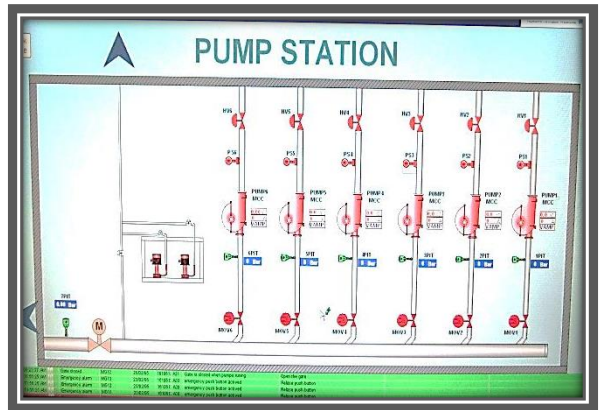
Construction of ground reservoirs, water canals, earth moving and road making are also performed by RAHSARA.



## Plant Operation Services

### Protect capital investment by correct operation

As a social responsibility to safeguard national capital, we offer plant operation and maintenance services at a professional quality for water sector. RAHSARA provides services for pumping stations, water and wastewater treatment plants and telemetry systems.

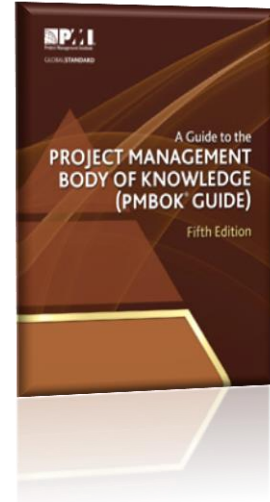




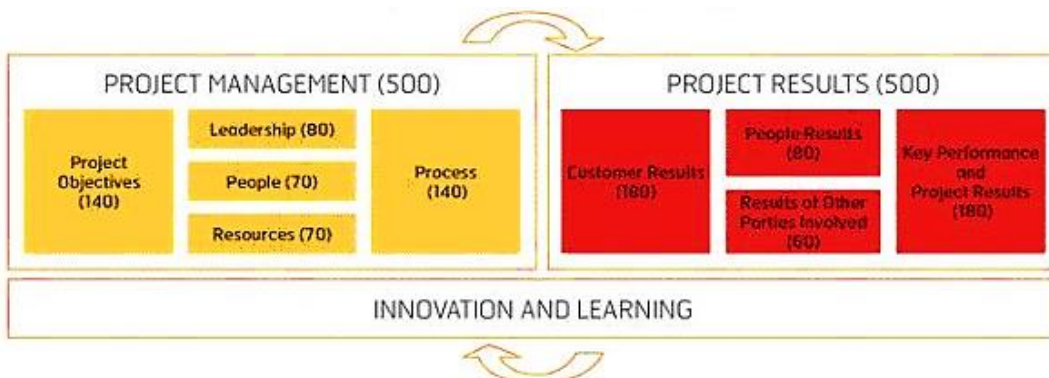
# MANAGEMENT APPROACH

RAHSARA has adopted PMBOK - the most accepted project management standard in the globe- as its framework for project implementation and has developed internal work-flows and procedures to ensure practical and efficient application of the standard. We now enjoy a well-defined and consistent approach to the projects of any type and size within our scope.

Total Quality Management- TQM- is our organizational commitment to quality affairs of all aspects and nature.

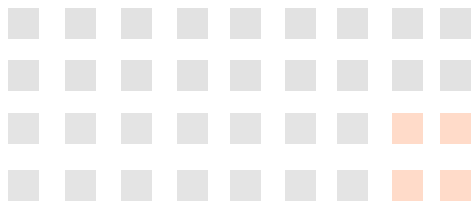


## PROJECT EXCELLENCE MODEL



## MANAGEMENT APPROACH (cont.)

The commitment is fulfilled by our structured focus on development and improvement of written procedures for all operational processes and provision of continual professional training programs for employees.



RAHSARA is continually audited by accredited bodies to ensure all quality systems are in place.



## USTAINABILITY

### Do Good, Do Well

Sustainability is being able to endure and survive in an environment into the future. RAHSARA, ever since its establishment in 1990, has realized its economic, social, and environmental responsibilities, and has developed intimate and healthy connections with these systems.

Compliance with business codes and professional standards, focus on customer benefits, long-range vision, and adhering to social and environmental commitments, have enabled RAHSARA to prove sustainability through the last two decades and to carry on towards new global markets.



## CERTIFICATES

RAHSARA is entitled by the Plan and Budget Organization of Iran -the administrative body for ranking of companies- to carry out construction projects. The certified operation fields and the associated company rankings are:

### ***Rank 1 for Industrial Utilities and Facilities projects***

Mechanical and Hydro-mechanical equipment of water dams, building systems and facilities, pumping stations, water and wastewater treatment plants, communication systems, computer networks of buildings, cathodic protection, coating and lining.

### ***Rank 1 for Water Infrastructure projects***

large scale water and wastewater treatment plants and pumping stations, water transfer pipelines and canals, offshore and onshore structures, civil works, Water reservoirs and distribution networks.

### ***Rank 5 for Oil and Gas***

Transfer pipelines, storage tanks and reservoirs, pump stations

### ***Rank 5 for Electrical Power***

Transfer and distribution from power plants and within network



## PROJECTS

### A Wealth of Lessons Learnt

RAHSARA has delivered over 50 successful projects in various water infrastructure categories. Some samples are listed here:

No.	Rahsara Ref.	Category	Scope	Descriptions	Client	Location	Year
1	P95155	Inverted Siphons	PC	5 Parallel Siphons of 3000 dia, to a total length of 1400 m	EAZWO	E.Az/Iran-NW	2016
2	P95154	Mechanized Irrigation network	PC	2150 Hectars	EAZAO	E.Az/Iran-NW	2016
3	P94153	WWTP	PC	700 lit/s	WAZWO	W.Az/Iran-NW	2016
4	P94152	WWTP	PC	600 lit/s	ARWO	Ardebil/Iran-NW	2015
5	P94151	Reservoir + Valve chamber	PC	30000 m <sup>3</sup> concrete, UG	EAZWO	E.Az/Iran-NW	2015
6	P94150	Telemetry and control system (phase II)	PC	Area under coverage 2000 km <sup>2</sup>	ARWO	Ardebil/Iran-NW	2014
7	P88149	Pumping Station	PC	1626 lit/s	EAZWO	E.Az/Iran-NW	2010
8	P90148	Pumping Station	PC	1018 lit/s	EAZWO	E.Az/Iran-NW	2012
9	P90147	Pumping Station	PC	4 m <sup>3</sup> /s	WAZWO	W.Az/Iran-NW	2011
10	P90146	Water Treatment	EPC	217 lit/s	WAZWO	W.Az/Iran-NW	2011
11	P90145	Pumping Station	PC	5 m <sup>3</sup> /s	ARWO	Ardebil/Iran-NW	2011
12	P89144	Telemetry (phase I)	EPC	Area under coverage 2000 km <sup>2</sup>	ARWO	Ardebil/Iran-NW	2011
13	P89143	Pumping Station	PC	4688 lit/s	ARWO	Ardebil/Iran-NW	2010
14	P89142	Pumping Station	C	4688 lit/s	ARWO	Ardebil/Iran-NW	2010
15	P87141	Water Treatment	EPC	1200 lit/s	ARWO	Ardebil/Iran-NW	2008
16	P87140	Wastewater Treatment	EPC	7000 population residential complex	EAZWO	E.Az/Iran-NW	2008
17	P86139	Pumping Station	PC	1950 lit/s	EAZWO	E.Az/Iran-NW	2007
18	P85138	Pumping Station	PC	1018 lit/s	EAZWO	E.Az/Iran-NW	2006
19	P84137	Water Treatment	EPC	600 lit/s	ARWO	Ardebil/Iran-NW	2006
20	P84136	Water Transfer Line	C	St. pipe 22 Km-900mm dia.	EAZWO	E.Az/Iran-NW	2005
21	P84135	Pipeline Coating	C	St. pipe 2.8 Km-900mm dia.	P.S	E.Az/Iran-NW	2005
22	P83134	Water Treatment	EPC	217 lit/s	WAZWO	W.Az/Iran-NW	2004
23	P83133	Pipeline Coating	C	St. pipe 18 Km-600mm dia.	P.S	Ardebil/Iran-NW	2004
24	P82132	Pipeline Coating	C	St. pipe-2000mm dia.	P.S	Ardebil/Iran-NW	2004

## PROJECTS (cont.)

No.	Rahsara Ref.	Category	Scope	Descriptions	Client	Location	Year
25	P82131	Water Treatment	EPC	600 lit/s	ARWO	Ardebil/Iran-NW	2003
26	P82130	Water Treatment	EPC	1200 lit/s	ARWO	Ardebil/Iran-NW	2003
27	P81129	Pipeline Coating	C	8.5 Km-500_1100mm dia.	P.S	Ardebil/Iran-NW	2003
28	P81128	Pipeline Coating	C	8.5 Km-500_1100mm dia.	P.S	Ardebil/Iran-NW	2003
29	P81127	Pipeline Coating	C	St. pipe 25 Km- 600mm dia.	P.S	Ardebil/Iran-NW	2002
30	P80126	Water Transfer Line	C	St. pipe 20 Km-500_1200mm dia. + Cncrt pipe 6 Km 350_600mm dia.	EAZWO	E.Az/Iran-NW	2001
31	P79125	Water Treatment	EPC	1500 m <sup>3</sup> /h	WAZWO	W.Az/Iran-NW	2001
32	P79124	Water Treatment	EPC	5 m <sup>3</sup> /s	EAZWO	E.Az/Iran-NW	2000
33	P78123	Water Transfer Line	C	18.2 Km-900mm dia.	IWWEC	Asaluye/Iran-S	1999
34	P78122	Wastewater Treatment	EPC	608 m <sup>3</sup> /h	P.S	E.Az/Iran-NW	1999
35	P77120	Water Transfer Line	C	7.5 Km- 1800mm dia.	P.S	E.Az/Iran-NW	1998
36	P75113	Pumping Station	PC	300 lit/s	EAZWO	E.Az/Iran-NW	1997
37	P75112	Pumping Station	PC	300 lit/s	EAZWO	E.Az/Iran-NW	1997
38	P75111	Pumping Station	PC	300 lit/s	EAZWO	E.Az/Iran-NW	1997
39	P75110	Water Treatment	PC	5 m <sup>3</sup> /s	P.S	E.Az/Iran-NW	1996
40	P75107	Reservoir	PC	1000 m3 Res.+ Pump house+ Buildings	EAZWO	E.Az/Iran-NW	1996
41	P74106	Water Transfer Line	PC	Drinking Water Line	EAZWO	E.Az/Iran-NW	1996
42	P74105	Water Transfer Line	PC	Steel/Concrete/PE pressurized irrigation network	EAZAO	E.Az/Iran-NW	1995
43	P74104	Pumping Station	PC	2.9 m <sup>3</sup> /h discharge	EAZWO	E.Az/Iran-NW	1995
44	P74103	Reservoir	PC	6x Water Reservoirs	EAZAO	E.Az/Iran-NW	1995
45	P74102	Water Transfer Line	PC	Steel & Concrete pipes + valving	EAZAO	E.Az/Iran-NW	1995
46	P73101	Water Transfer Line	PC	14 x (Wellhead equipment + Pumping house +line)	EAZWO	E.Az/Iran-NW	1994

<b>EAZWO:</b> East Azerbaijan Province Water Organization	<b>EAZAO:</b> East Azerbaijan Province Agriculture Organization
<b>IWWEC:</b> Iran Water and Wastewater Engineering Co.	<b>ARWO:</b> Ardebil Province Water Organization
<b>WAZWO:</b> West Azerbaijan Province Water Organization	<b>P.S.:</b> Private Sector

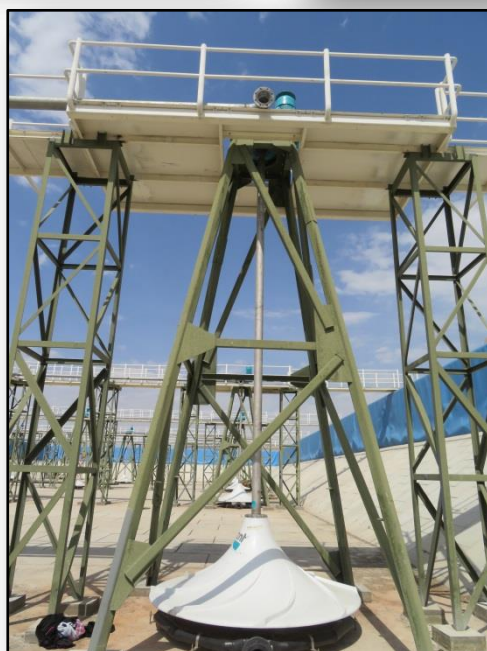


## PROJECT PHOTOS (cont.)





## PROJECT PHOTOS (cont.)





## PROJECT PHOTOS (cont.)





## PROJECT PHOTOS (cont.)





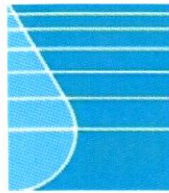
## PROJECT PHOTOS (cont.)



# CERTIFICATE OF REGISTRATION



**RAHSARA**



**TABRIZ-IRAN**

**Bldg.23, Opposity of Municipality No.1 Farabi Ave.**

American Global Standards, issues this certificate to the firm named above, having assessed and approved the firm's management system and finding the system conforms to the standards of:

**ISO9001:2015**

**Quality Management System**

The management system is applicable to the following:

**Engineering, Procurement and Construction of Projects**

This approval is subject to the firm maintaining its system to the required standards, which will be monitored by AGS. In the issuance of this certificate, AGS assumes no liability to any party other than the firm named above, and then only in accordance with the agreed upon Quality Management System Assessment Agreement.

Certification Number: AGS-I-1211-Q  
Original Approval: February29,2012  
Date of Issue: February29,2021  
Date of Expiration: February28,2024

  
For and on Behalf of American Global Standards, LLC



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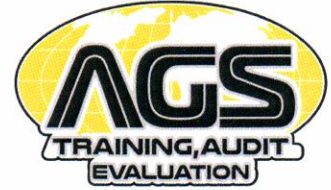
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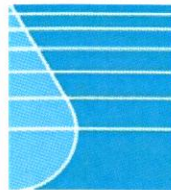
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# CERTIFICATE OF REGISTRATION



**RAHSARA**



**TABRIZ-IRAN**

**Bldg.23, Opposely of Municipality No.1 Farabi Ave.**

American Global Standards, issues this certificate to the firm named above, having assessed and approved the firm's management system and finding the system conforms to the standards of:

**ISO10006:2017**

**Quality Management in Projects**

The management system is applicable to the following:

**Engineering, Procurement and Construction of Projects**

This approval is subject to the firm maintaining its system to the required standards, which will be monitored by AGS. In the issuance of this certificate, AGS assumes no liability to any party other than the firm named above, and then only in accordance with the agreed upon Quality Management in Projects System Assessment Agreement.

Certification Number: AGS-I-1211-QMP  
Original Approval: February29,2012  
Date of Issue: February29,2021  
Date of Expiration: February28,2024

  
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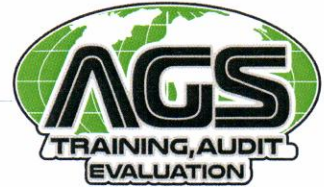
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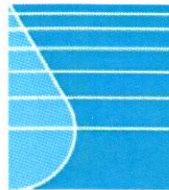
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# CERTIFICATE OF REGISTRATION



**RAHSARA**



**TABRIZ-IRAN**

**Bldg.23, Opposely of Municipality No.1 Farabi Ave.**

American Global Standards, issues this certificate to the firm named above, having assessed and approved the firm's management system and finding the system conforms to the standards of:

**ISO14001:2015**

**Environmental Management System**

The management system is applicable to the following:

**Engineering, Procurement and Construction of Projects**

This approval is subject to the firm maintaining its system to the required standards, which will be monitored by AGS. In the issuance of this certificate, AGS assumes no liability to any party other than the firm named above, and then only in accordance with the agreed upon Environmental Management System Assessment Agreement.

Certification Number: AGS-I-1211-E  
Original Approval: February 29,2012  
Date of Issue: February 29,2021  
Date of Expiration: February 28,2024

  
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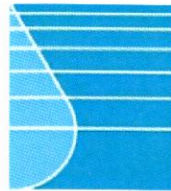
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**RAHSARA**



**TABRIZ-IRAN**

**Bldg.23, Opposately of Municipality No.1 Farabi Ave.**

American Global Standards, issues this certificate to the firm named above, having assessed and approved the firm's management system and finding the system conforms to the standards of:

**ISO29001:2020**

**Petroleum, Petrochemical and Natural Gas Industries  
Specific Quality Management Systems**

The management system is applicable to the following:

**Engineering, Procurement and Construction of Projects**

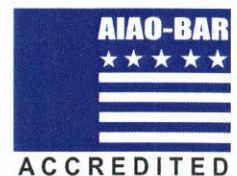
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Certification Number: AGS-I-1211-SQMS  
Original Approval: February 29,2012  
Date of Issue: February 29,2021  
Date of Expiration: February 28,2024

  
For and on Behalf of American Global Standards, LLC



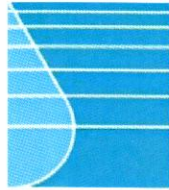
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# CERTIFICATE OF REGISTRATION



**RAHSARA**



**TABRIZ-IRAN**

**Bldg.23, Oppositley of Municipality No.1 Farabi Ave.**

American Global Standards, issues this certificate to the firm named above, having assessed and approved the firm's management system and finding the system conforms to the standards of:

**ISO31000:2018**

**Risk Management System**

The management system is applicable to the following:

**Engineering, Procurement and Construction of Projects**

This approval is subject to the firm maintaining its system to the required standards, which will be monitored by AGS. In the issuance of this certificate, AGS assumes no liability to any party other than the firm named above, and then only in accordance with the agreed upon Risk Management System Assessment Agreement.

Certification Number: AGS-I-1211-RM  
Original Approval: February 29,2021  
Date of Issue: February 29,2021  
Date of Expiration: February 28,2024

  
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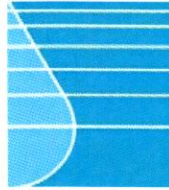
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**RAHSARA**



**TABRIZ-IRAN**

**Bldg.23, Opposely of Municipality No.1 Farabi Ave.**

American Global Standards, issues this certificate to the firm named above, having assessed and approved the firm's management system and finding the system conforms to the standards of:

**ISO45001:2018**

**Occupational Health and Safety Management System**

The management system is applicable to the following:

**Engineering, Procurement and Construction of Projects**

This approval is subject to the firm maintaining its system to the required standards, which will be monitored by AGS. In the issuance of this certificate, AGS assumes no liability to any party other than the firm named above, and then only in accordance with the agreed upon Occupational Health and Safety Management System Assessment Agreement.

Certification Number:	AGS-I-1211-O
Original Approval:	June 16, 2018
Date of Issue:	February 29, 2021
Date of Expiration:	February 28, 2024

  
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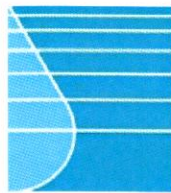
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# CERTIFICATE OF REGISTRATION



**RAHSARA**



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**Bldg.23, Oppositely of Municipality No.1 Farabi Ave.**

American Global Standards, issues this certificate to the firm named above, having assessed and approved the firm's management system and finding the system conforms to the standards of:

## **HSE MANAGEMENT SYSTEM**

**Health, Safety & Environmental Management System**

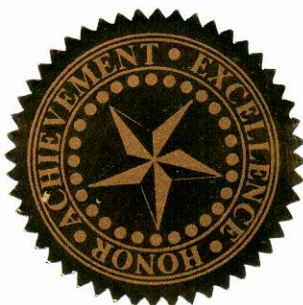
The management system is applicable to the following:

### **Engineering, Procurement and Construction of Projects**

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Certification Number: AGS-I-1211-HSE  
Original Approval: February 29,2012  
Date of Issue: February 29,2021  
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