



*KHARA DEZH CONSTRUCTION CO.  
FIRST RANK IN THE FIELD OF WATER PLANT,  
FIRST RANK IN THE ROAD INDUSTRY  
FOURTH RANK IN THE BUILDING FIELD*





BALAKHANLOU DAM



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## THE MANAGING DIRECTOR'S MESSAGE

*KHARADZH IS AN ORGANIZATION THAT IS RESPONSIBLE FOR THE SUCCESS OF CONTRACTING PROFESSION IN IRAN.*

*KHARADZH IS A TASK-ORIENTED, COMMITTED, INTERACTION-ORIENTED, LOYAL, KNOWLEDGEABLE BOARD OF DIRECTORS.*

*THIS COMPANY IS A SUCCESSFUL LEADER IN INFRASTRUCTURE PROJECTS AT THE NATIONAL LEVEL AND HOPES TO BECOME A RELIABLE CONTRACTOR AT THE REGIONAL LEVEL, THEREFORE IT ADHERES TO ENVIRONMENTAL STANDARDS IN ALL AREAS OF ITS ACTIVITIES.*

## MEMBERS OF THE BOARD

### CEO

MORTEZA GHORBANI CHEGENI / MBA MANAGEMENT EXPERT

### CHAIRMAN OF THE BOARD

FAZLOLLAH GHORBANI CHEGENI / SENIOR EXPERT IN CIVIL ENGINEERING  
WATER RESOURCES ENGINEERING

### VICE CHAIRMAN OF THE BOARD

LOTFOLLAH GHORBANI CHEGENI / SCIENCE

### MEMBERS OF THE BOARD:

MANSOUREH CHANGIZI / MASTER OF SCIENCE IN PSYCHOLOGY  
SINA GHORBANI CHEGENI / BACHELOR OF MECHANICS  
SASAN GHORBANI CHEGENI / BACHELOR OF CIVIL ENGINEERING  
ALI RANJBAR / BACHELOR OF CIVIL ENGINEERING  
JALEH YARAHMADI / MASTER OF MANAGEMENT



EXPERT TEAM

Name	Educational certificate	University	Proficiency	Position	Experience (years)
FAZLOLLAH GHORBANI CHEGENI	Master of Water plant mng.	university of South Tehran	Project Manager	Director Manager	30
SASAN GHORBANI CHEGENI	Civil Engineering	Sanati sharif university	Operation Engineer	Operation Engineer	10
SINA GHORBANI CHEGENI	Mechanical Engineering	Tehran university	Project Manager	Operation Engineer	15
AZIN GHORBAN CHEGENI	Architectural engineering	Shahid beheshti university	Technical engineer	Technical Office Employee	15
ARASH KARBAF	Civil Engineering	Shahid chamran university	Project Manager	Project Manager	25
MORTEZA KAMALVAND	Civil Engineering	Lamard biomant texas university	Project Manager	Project Manager	20
ABDOLKARIM ARIAN	Civil Engineering(Water facilities)	Sannat ab o bargh abbaspour university	Site Manager	Site Manager	16
ALI RANJBAR	Civil Engineering	Tabriz university	Site Manager	Site Manager	20
BEHZAD JAMSHIDI	Civil Engineering	Khoramabad azad university	Site Manager	Site Manager	15
SAMAN GHORBANI CHEGENI	Civil Engineering	Lorestan university	Site Manager	Site Manager	15
MOHAMMADREZA BAHMANI	Civil Engineering	Elm o sanaat iran university	Site Manager	Site Manager	20
FARSHID JAHANGIRI	Civil Engineering	Lorestan university	Operation Engineer	Operation Engineer	15
ARMIN SARTIP NIA	Civil Engineering	Sanandaj azad university	Operation Engineer	Operation Engineer	15
REZA HAMI	Civil Engineering	Malayer university	Operation Engineer	Operation Engineer	15
FARZAD MAAZI	Civil Engineering	Kermanshah azad university	Operation Engineer	Operation Engineer	15
MEHDI ALI NEZHADI	Bachelor of Irrigation	Shahid chamran university	Operation Engineer	Operation Engineer	15
ALI KOLIVAND	Civil Engineering	Sanandaj azad university	Operation Engineer	Operation Engineer	15
HASANALI SHAMSI	Civil Engineering	Tabriz university	Operation Engineer	Operation Engineer	15
OLDOUZ SHIRIN ZADEH	Civil Engineering	Guilan university	Operation Engineer	Operation Engineer	15
BEHZAD ASADIAN FILI	Mechanical Engineering	Shahid chamran university	Operation Engineer	Operation Engineer	15
AMIRKHOSRO SHIDOOSH	Mechanical Engineering	Takestan azad university	Operation Engineer	Operation Engineer	15
VAHID AMIRI	Civil Engineering	Khouzestan azad university	Technical Office Employee	Technical Office Employee	15
ALIREZA NAJAFI	Civil Engineering	Khoramabad azad university	Technical Office Employee	Technical Office Employee	15
YASER VAFAIE	Civil Engineering	Khoramabad azad university	Technical Office Employee	Technical Office Employee	15
MOHSEN CHANGAIE	Civil Engineering	Shooshtar azad university	Technical Office Employee	Technical Office Employee	15
ALI NIAIE	Civil Engineering	Shooshtar azad university	Technical Office Employee	Technical Office Employee	15
SOHEIL ABBASI GARAVAND	Topography engineering	Isfahan university	Topography	Topographer	15
SHAHOO ASADZADEH	Topography engineering	Sanandaj azad university	Topography	Topographer	15
MORTEZA MIRSOLEIMANI	Topography engineering	South tehran azad university	Topography	Topographer	10
MONA SHOKOUHIFAR	Topography engineering	Tabriz university	Topography	Topographer	15
HAMID GHOLAMI	Topography engineering	Lorestan Technical and Vocational Training Organization	Topography	Topographer	15







## ABOUT KHARADEZH

*FIRST RANK IN THE FIELD OF WATER PLANT,  
FIRST RANK IN THE ROAD INDUSTRY AND TRANSPORTATION FIELD,  
AND THE FOURTH RANK IN THE BUILDING FIELD  
FROM THE COUNTRY'S PROGRAM AND BUDGET ORGANIZATION.*

The Kharadezh Construction Company, (private Joint Stocks), was founded in 1984 with the intention to get involved in the national construction projects of Iran.

After successful completion of residential, office, educational and health providing structures throughout Iran, the company got involved actively as a contractor in construction of water infrastructure of the country.

The company is very proud that is able to take part in the development of the water industry infrastructures in Iran by contributing its two decades of experience in the field of construction, high management capabilities, state of the equipment and professional staff. The Kharadezh Construction Company is one of the most active and successful construction companies in Iran with sound financial capabilities, which utilizes the most skilled type of personnel & the state of the art machinery and tools to carry out construction projects. Currently, the Kharadezh Construction Company is actively present in doing the national construction projects in Iran.

The following are partial list of the services that the company can provide: Dam Constructions

Water Plants

Road Constructions

Tunnels

High Pressure Irrigation & Drainage Systems Water transfer Pipelines

Constructing Buildings

Water Transfer Canals

Water & Waste Water Treatment Plants

The Kharadezh Company has adopted the following 3 principles, to make it possible for the company to provide efficient & high quality services to its customers.

To gain customers satisfaction and trust

Constantly review and make improvements in the processes of the execution of the projects. To enhance the skills and knowledge of its employees continuously by holding educational & training programs.



MACHINERY	FACTORY	MODEL
Excavator	Komatsu	220
Excavator	Komatsu	220
Chain wheel excavator	Zoomline	360
Chain wheel excavator	Hyundai	330
Chain wheel excavator	Hyundai	330
Excavator	Komatsu	220
Chain wheel excavator	Komatsu	200
Excavator	Daewoo	220
Chain wheel excavator	Hyundai	210
Chain wheel excavator	Zoomline	230
Chain wheel excavator	Zoomline	360
Excavator	Kobelco	200
Excavator	caterpillar	224
Rubber wheel excavator	Komatsu	150
Bulldozer 200 horsepower	Komatsu	155
Bulldozer 200 horsepower	Komatsu	155
Bulldozer 200 horsepower	Komatsu	155
Bulldozer 200 horsepower	Komatsu	155
Bulldozer 200 horsepower	Komatsu	155
Bulldozer 200 horsepower	Komatsu	155
Bulldozer 200 horsepower	Komatsu	155
bulldozer	Komatsu	65

MACHINERY	FACTORY	MODEL
dump	Volvo	NL 12
dump	Volvo	N 12
dump	Volvo	NL 12
dump	Volvo	Ann 10
dump	Volvo	NL 12
dump	Volvo	Ann 10
dump	Benz	2624
dump	Benz	1113
dump	Benz	2624
dump	Benz	2624
dump	Iveco	380
dump	Iveco	380
dump	Iveco	380
dump	Iveco	380
dump	Volvo	FM 440
dump	Bey Ben	26 tons
dump	Bey Ben	26 tons
dump	Bey Ben	26 tons
dump	Bey Ben	26 tons
dump	Bey Ben	26 tons
dump	Bey Ben	26 tons
dump	Benz	2624
dump	Volvo	NL 12
dump	Volvo	FM 440
dump	Benz	2624
dump	Benz	2624
dump	Benz	2624
dump	Benz	2624
dump	Benz	2624
dump	Benz	2624
dump	Volvo	FH 440
dump	Iveco	330



MACHINERY	FACTORY	MODEL
Volvo	Hepco Volvo	150
Volvo	Komatsu	470
Volvo	Komatsu	470
Volvo	Komatsu	470
Volvo	Komatsu	320
Volvo	Changlin	957
Volvo	Hepco Volvo	200
Volvo	Komatsu	320
Volvo	Daewoo	300
Volvo	Komatsu	420
Volvo	Changlin	957
grader	Komatsu	661
grader	Komatsu	705
grader	Komatsu	705
grader	Komatsu	661
grader	Komatsu	705
grader	Komatsu	661
grader	Komatsu	705
grader	Komatsu	661
Water tanker truck	Bey Ben	NG 80
Water tanker truck	Bey Ben	NG 80
Water tanker truck	Volvo	NL 12
Manual vibrating roller	Hepco	V 6
Back-breaking car vibration roller	Hepco	HS 100a
roller	Hepco	100b
roller	Hepco	100b
Vibrating roller	Hepco	100 c
Vibrating roller with drum drive	Hepco	100c
Vibrating roller with cooler without drum drive	Hepco	100 c

MACHINERY	FACTORY	MODEL
Vibrating roller with cooler without drum drive	Hepco	100c
Truck mixer with Volvo tractor	Volvo	NL10
Mixer truck	Volvo	FM 440
Mixer truck	Volvo	N10
Mixer truck	Volvo	N10
Mixer truck	Volvo	N10
Batching	Rah Mashin	Batching plant
Rah Mashin	car road	Batching plant
Batching	Pars Novin	Batching plant
Batching	Tehran Rah	Batching plant
Batching	Tehran Rah	Batching plant
Double cabin truck-crane	Mitsubishi	E200
Crane on Volvo n10	Volvo	On truck
Total electronic station	Total	TCR 407
Total electronic station	Total	TCR 407
Total electronic station	Total	TCR 407
Total electronic station	Total	TCR 407
Total electronic station	Total	TCR 407
Riding	Peugeot	Pars
pickup truck	Mazda	B 2000
double cabin van	Nissan	DX
Your truck is a van	Nissan	2400
Your truck is a van	Nissan	2400
Double cabin van	Mazda	B 2000
Double cabin van	Nissan	DX 2400
pickup truck	the arrow	1600
pickup truck	Mazda	B2000
pickup truck	Mazda	B2000
pickup truck	the arrow	1600
Riding	Nissan	Patrol 4 doors







MACHINERY	FACTORY	MODEL
Riding	Nissan	Patrol 2 doors
Generator engine	Commons	250kva
Generator engine	Perkins	45kva
Generator engine	Perkins	45kva
diesel generator	Perkins	60kva
diesel generator	Perkins	60kva
Generator engine	Volvo	100kva
Generator engine	Volvo	100kva
diesel engine	Volvo	TAD1241
diesel engine	Perkins	65 horsepower
diesel engine	Perkins	65 horsepower
diesel engine	Volvo	220 horsepower
diesel engine	Volvo	220 horsepower
diesel engine	Volvo	220 horsepower
tractor	Iran Tractor	ITM399
tractor	Iran Tractor	ITM399
Industrial tractor	Iran Tractor	650 - MT
Industrial tractor	Romania	650 - MT
Industrial tractor	Romania	650 - MT
Industrial tractor	Iran Tractor	650-KVA
Industrial tractor	Iran Tractor	650-KVA
Truck - fuel tanker	Volvo	N88
wheeled tanker (water)	Saki Tanker	20000 liters
wheeled tanker (water)	Saki Tanker	20000 liters
fixed tanker (water)	Saki Tanker	17000 liters
fixed tanker (water)	Saki Tanker	17000 liters
fixed tanker (water)	Saki Tanker	17000 liters
fixed tanker (water)	Saki Tanker	17000 liters
Wheeled tanker (diesel)	Saki Tanker	20000 liters
Wheeled tanker (diesel)	Saki Tanker	20000 liters
fixed tanker (diesel)	Saki Tanker	20000 liters
fixed tanker (diesel)	Saki Tanker	20000 liters

MACHINERY	FACTORY	MODEL
fixed tanker (diesel)	Saki Tanker	20000 liters
fixed tanker (diesel)	Saki Tanker	20000 liters
Lincoln welding engine with wheels and chassis	Lincoln	SAE 400
Compressor	Ingersoll Rand	XP900
Compressor	caterpillar	3306
Mineral compressor	Compressor manufacturing in Tabriz	P175
Double cabin van	Nissan	DX
Your truck-van	Nissan	2400
Your truck-van	Nissan	2400
Double cabin van	Nissan	2400
Tow truck	Volvo	FH
Tow truck	Iveco	NT
Compactor	Rubin	-
Compactor	Rubin	-
Electric vibrator	-	100 kg
Electric vibrator	-	100 kg
Electric vibrator	-	100 kg
Electric vibrator	-	100 kg
Electric vibrator	-	100 kg
Electric vibrator	-	100 kg
Electric vibrator	-	100 kg
Electric vibrator	-	100 kg





## WATER CATEGORY PROJECTS

- CONSTRUCTION OF WATER TRANSFER CANAL TO LAKE URMIA
- CONSTRUCTION OF BALAKHANLU RESERVOIR DAM
- OPERATIONS OF THE FIRST PHASE OF TEHRAN'S SIXTH WATER TREATMENT PLANT
- KHORRAM-ABAD WATER TRANSMISSION SYSTEM
- EXECUTIVE OPERATION OF TUNNEL B OF SORKHE HESAR
- CONSTRUCTION OF RESERVOIR DAM OF KHAN ABAD AND PUMP STATION
- CONSTRUCTION OF ALIGUDERZ SEWAGE TREATMENT PLANT
- CONSTRUCTION OF IRRIGATION AND DRAINAGE NETWORK OF JIROAFT
- CONSTRUCTION OF A WATER SUPPLY CANAL FOR REZBAR
- CONSTRUCTION OF KAHMAN ALESHTAR DAM





## ROAD CATEGORY PROJECTS

- SUBGRADE OPERATIONS FOR SECTION 5/A OF THE SHIRAZ - BUSHEHR - ASALUYEH RAILWAY
- COMPLETION OPERATIONS FOR THE CONSTRUCTION OF THE GARMSAR - SIMIN DASHT - FIRUZKUH AXIS WITH A LENGTH OF 18.340 KILOMETERS
- COMPLETION OF THE THIRD PART OF THE FOUR-LANE AXIS OF KOHDASHT-KHORRAMABAD AND KASHKAN BRIDGE
- THE SECOND SECTION OF THE FOUR-LANE KOHDASHT-KHORRAMABAD
- THE FIRST SECTION OF KOHDASHT-KHORRAMABAD
- THE FIRST PART OF THE FOUR-LANE AXIS OF BORUJERD-ASHTARINAN
- THE THIRD PART OF THE FOUR-LANE AXIS OF KOHDASHT-KHORRAMABAD AND KASHKAN BRIDGE
- THE ACCESS ROAD TO BALAKHANLU RESERVOIR DAM
- ACCESS ROAD TO KHAN ABAD DAM
- THE WAY TO ACCESS THE KAHMAN DAM



CERTIFICATES





CERTIFICATE OF QUALIFICATION AS CONTRACTOR



SAFE CONTRACTOR ACCREDITATION CERTIFICATE



ISO CERTIFICATES

MEMBERSHIPS



MEMBERSHIP CERTIFICATE  
(SYNDICATE OF IRAN CONSTRUCTION COMPANIES)



ECONOMIC CODE





CERTIFICATE OF VALUE ADDED TAX



MEMBERSHIP CERTIFICATE  
(SYNDICATE OF IRAN CONSTRUCTION COMPANIES)

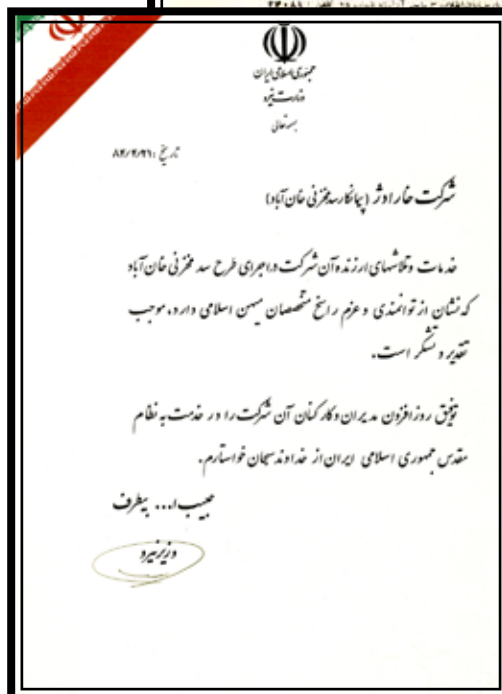
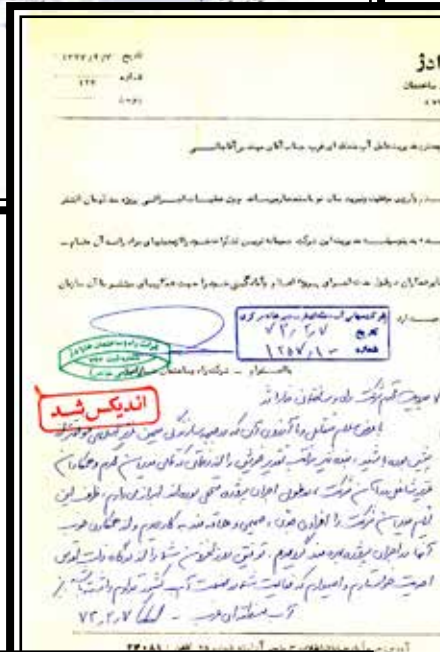


MEMBERSHIP CERTIFICATE  
(SYNDICATE OF LORESTAN CONSTRUCTION COMPANIES)



CERTIFICATE OF LEGAL MEMBERSHIP







CERTIFICATES OF APPRECIATION AND  
COMMENDATION LETTERS

Emblem  
The Islamic Republic of Iran  
The Ministry of Energy

To:Kharadezh Company  
Kharadezh Dam Contractor

Date: July 12th, 2005

The valuable efforts and services of the Kharadezh Company in constructing the KhanAbad Dam, which clearly demonstrate the high capabilities and determination of the professionals of this land, are highly appreciated.  
We wish the success of the managers and the employees of this great company serving the country.

May God bless you and Iran

Habibolah Bitaraf  
The Minister of Energy

Emblem  
The Islamic Republic of Iran  
State Water & Sewage Engineering Company

Dear Mr. Morteza Qorbani  
Managing Director  
Kharadezh Constraction Company

Date: March,2005

The development of the water and sewage industry of Iran requires great amount of wisdom, talent and strength. Part of this capability has demonstrated on your side during the construction of the Aligodarz waste treatment plant.  
The experience that you and your comrades have gained during the construction of this plant is a valuable asset that will make it easier for the country to achieve its goal of constructing water and waste water treatment plants in the future.  
Hereby, the efforts of you and your coworkers, in planning & execution of the project are highly appreciated.

May God help you to remain a source of aspiration for the great people of this country by keeping up the good work.

Abbas Shafiei  
Vice Minister of Energy in Water & Sewage Affairs  
Managing Director of State Water & Sewage Engineering Company

Commendation Letter  
The Ministry of Energy  
Kerman Regional Water Company (PJS)

Date: August 15th, 2005

To: Kharadezh Construction Company

In light of the great accomplishments of the Kharadeg Company in execution of the second part of Jiroft irrigation & drainage network project, which is the subject of contract # 19/27848, dated November 6th, 1996, the Kerman Regional Water Company appreciates such great achievements by your company.

Seyed Ahmad Alavi  
Board of Directors Chairman & Managing Director

Letter of Commendation  
Emblem  
The Islamic Republic of Iran  
The Ministry of Energy  
West Regional Water Company

Date: May 5th, 1994

To: Management of Consultations, Builders and Contractors  
Subject:Kahman Dam Construction

Please be advised that the honorable president of the Islamic republic of Iran along with respectful members of his cabinet recently visited the great province of Lorestan.  
During this visit, he and his cabinet members got an opportunity to visit the first phase of the construction of the Kahman Diversion Dam which was accomplished by the grace of Almighty God and the efforts of you and your staff.  
The president admired the job done with respect to its quality and its quantity and was very happy to see such great accomplishment.  
The Kharadezh Construction Company was introduced to the president as the company which was responsible for the construction of the Kahman Diversion Dam project.  
The president was informed that the company and its staff devoted a great amount of effort toward the achievement of such goal.  
Hence, your good work in accomplishing the project is recognized and greatly appreciated.

Signed & Sealed by:  
Seyed Mohammad Lahijani  
Division of Design & Execution

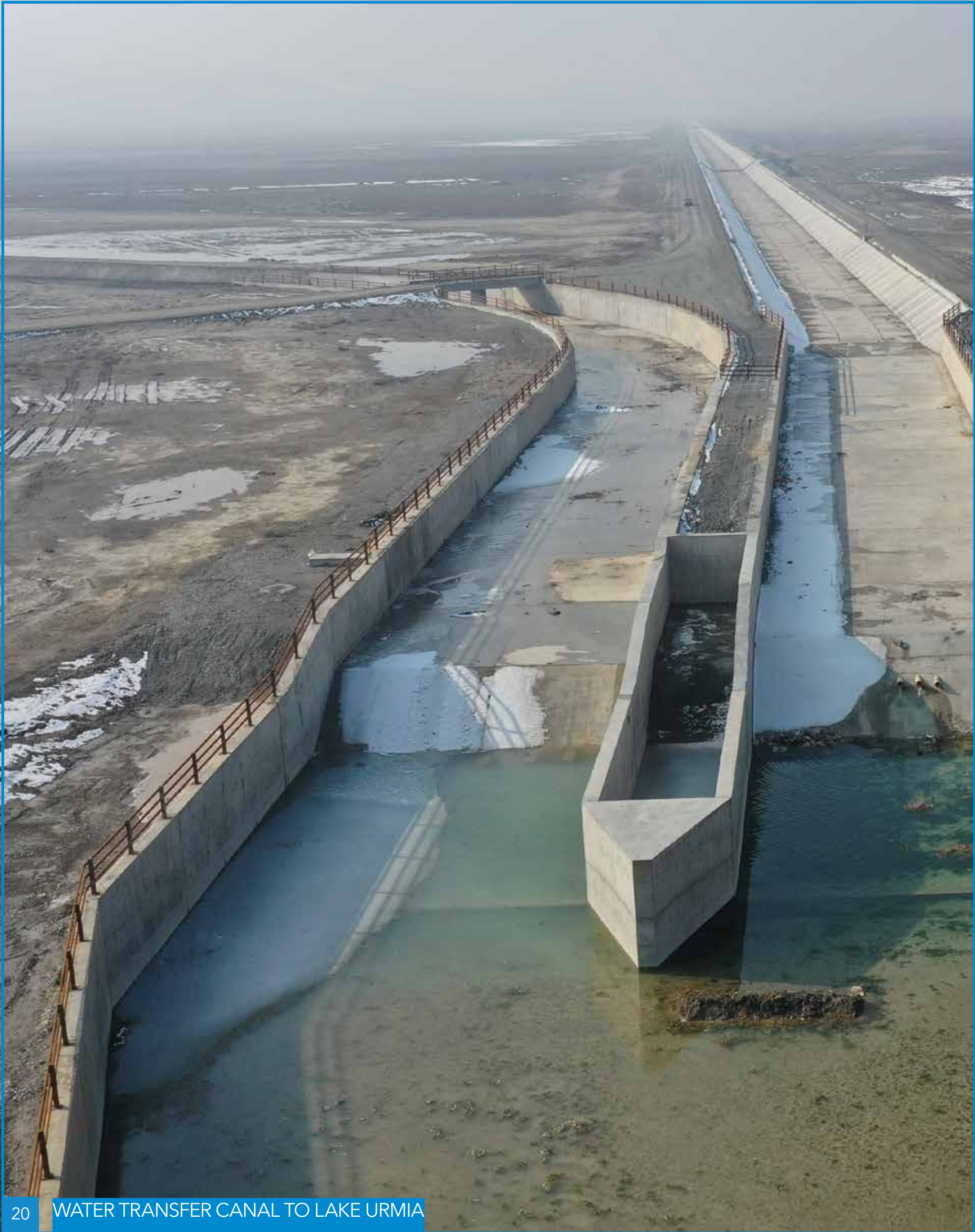
Commendation Letter

April 27th, 1994  
To: Kharadeg Construction Company

Reciprocally, I would like to say hell and wish you success in your efforts in building our Islamic motherland.  
I would like to recognize and appreciate all the efforts that you and your coworkers have devoted toward the accomplishment of the Kahman Alashtar Dam Project.  
During the execution of the project, we realized that the employees and the management of your company are very serious, determined and enthusiastic about their job.  
I do appreciate the staff of your company for being very cooperative during the project.  
I wish that almighty God, help you and your employees to succeed in your efforts in the development of the water industry of Iran.

West Water Regional Authority







## WATER TRANSFER CANAL TO URMIA LAKE

CONSTRUCTION OF WATER TRANSFER CANAL FROM THE EXIT OF KANI SIB TUNNEL TO URMIA LAKE.  
FINISHING YEAR : IN PROGRESS  
PLACE: NAQADEH, URMIA PROVINCE, IRAN  
PRICE: 16,184,949.17 \$





Lake Urmia is an endorheic salt lake in Iran. The lake is located between the provinces of East Azerbaijan and West Azerbaijan in Iran, and west of the southern portion of the Caspian Sea. At its greatest extent, it was the largest lake in the Middle East and the sixth-largest saltwater lake on Earth, with a surface area of approximately 5,200 km<sup>2</sup> (2,000 sq mi), a length of 140 km (87 mi), a width of 55 km (34 mi), and a maximum depth of 16 m (52 ft).

By late 2017, the lake had shrunk to 10% of its former size (and 1/60 of water volume in 1998) due to persistent general drought in Iran, but also the damming of the local rivers that flow into it, and the pumping of groundwater from the surrounding area. This dry spell was broken in 2019 and the lake is now filling up once again, due to both increased rain and water diversion from the Zab River by the Lake Urmia Restoration Program.

Lake Urmia, along with its approximately 102 (former) islands, is protected as a national park by the Iranian Department of Environment.















THIS PROJECT INCLUDES A TRAPEZOIDAL CANAL WITH CONCRETE COVER AND MASSIVE CONCRETE STRUCTURES, WHICH INCLUDES THE FOLLOWING TWO MAIN PARTS:

Section A: including the construction of a water transfer canal with a trapezoidal cross-section, about 6.4 km long, with a capacity of about 42 cubic meters per second, with a floor width of 10 meters and a height of 2.5 meters, along with 10 concrete structures and 5 pedestrian bridges. steel and 4 steel pipelines of 500 mm length of 115 meters.

Section B: including the widening and deepening of the existing drain in the area, about 4.5 km long, with a capacity of 52 cubic meters per second, with a floor width of 12 meters and a height of 3.4 meters, along with 9 massive concrete structures. The total volume of lining concrete is 21,500 cubic meters and structural concrete is 19,300 cubic meters, and the weight of the reinforcement used is 1,900 tons. The volume of excavation, canaling, and sludge removal is 659,000 cubic meters, embankment is 161,000 cubic meters, and gravel is 188,000 cubic meters. Due to the width of the canal above 20 meters, the traditional culverts have been cut on the way, using 500 mm long 115 meter steel lines, the said pipes were cut and assembled and installed by the company's welding team at the workshop.







## BALAKHANLOU DAM

BALAKHANLOU EMBANKMENT DAM FOR 38.5 MILLION  
CUBIC METER CAPACITY FINISHING YEAR : IN PROGRESS  
PLACE: BUIN ZAHRA, QAZVIN PROVINCE, IRAN  
LENGTH OF THE DAM CROWN: 360 M  
HEIGHT:84M FROM FOUNDATION PRICE: 19,097,288.80 \$



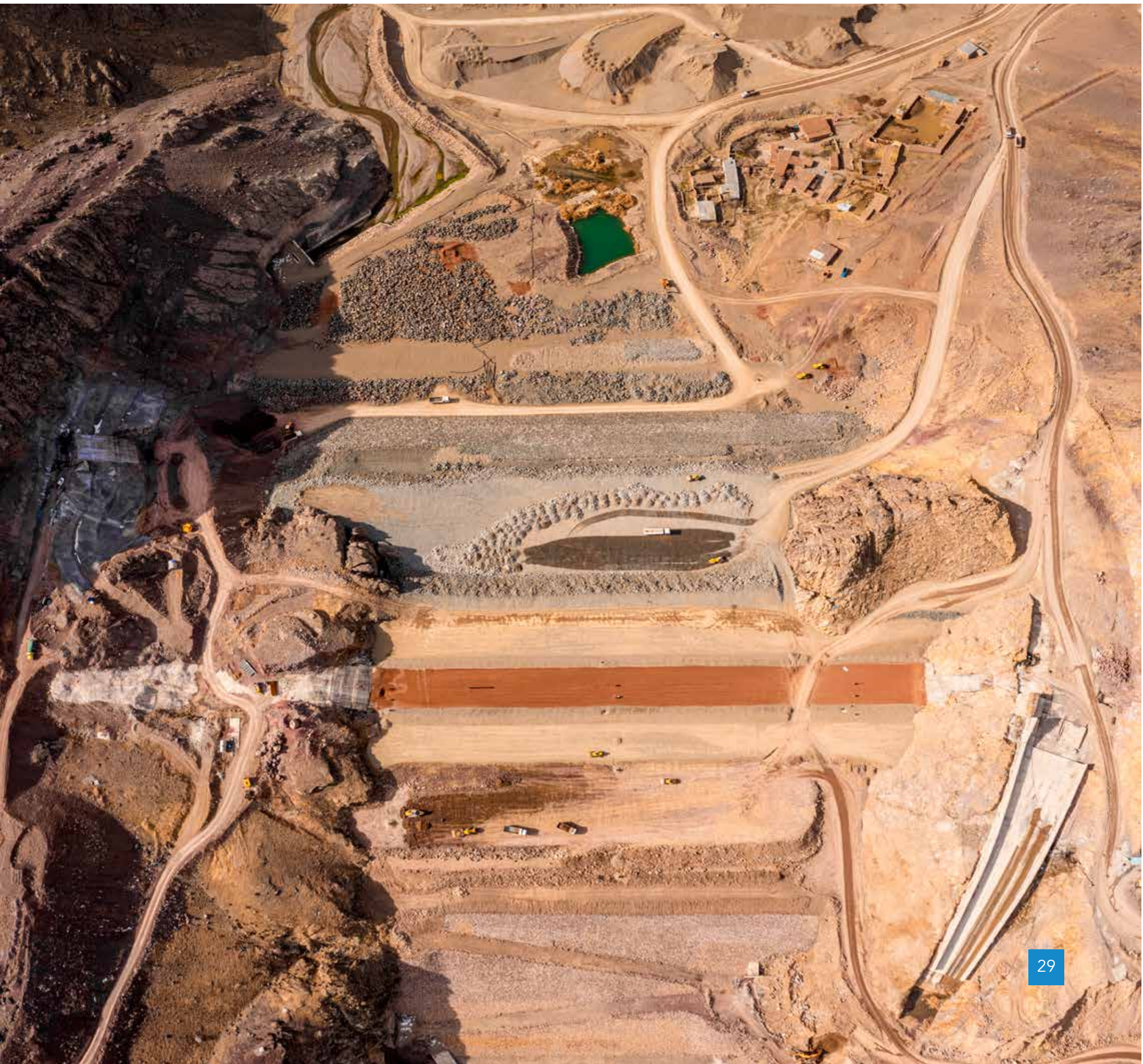




One of the important infrastructural projects of Qazvin province is the construction of the Balakhanlu Reservoir Dam. With the completion of this dam and its full exploitation, drinking water will be provided to 5 southern cities of Qazvin province, including Asfarorin, Boyinzahra, Dansfahan, Shall and Abgarm, as well as 30 villages around this dam. became. Balakhanlu dam with a clay core, which is 35 kilometers southwest of Qazvin in Boyinzahra city, its construction started a decade ago and considering that it is being built 100 meters downstream of Balakhanlu village on the Haji Arab river.

Balakhanlu Dam is an earthen dam with a clay core, which is under construction with a height of 84 meters from the foundation, a crown length of 370 meters, and a reservoir volume of 38.5 million cubic meters. This dam aims to regulate the flow of the Haji Arab river and control the river floods in order to supply part of the drinking water and health needs of 5 cities and 30 villages in the south of the province at the rate of 5 million cubic meters per year and to supply the water needed for 4200 hectares of agricultural lands at the rate of 3 2 million and 200 thousand cubic meters will be built in improved conditions through integration with underground water resources and seasonal water resources of the middle basin of the dam and supply 4 million and 400 thousand cubic meters of artificial and ecological feeding needs of Haji Arab river flow.



































## 6th WATER TREATMENT PLANT IN TEHRAN

EMPLOYER: TEHRAN REGIONAL WATER COMPANY

CONSULTANT: REYAB CONSULTING ENGINEERS COMPANY

CONTRACTOR: KHARADEZH COMPANY

AMOUNT: \$5,480,000

START DATE: 2023/09/20 (1402/6/28 IN PERSIAN CALENDAR)

CONTRACT DURATION: 30 MONTHS





The Sixth Water Treatment Plant in Tehran is one of the most important infrastructure projects aimed at supplying drinking water to the capital of Iran. This project is designed and implemented to increase water treatment capacity and improve the quality of drinking water in Tehran. Below are some key aspects of this project:

**Project Objectives:**

**Increasing Water Treatment Capacity:** The plant is being constructed to meet the growing demand for drinking water in Tehran.

**Improving Water Quality:** Advanced technologies will be used to enhance the quality of drinking water.

**Reducing Pressure on Existing Plants:** The operation of this treatment plant will alleviate the burden on Tehran's current water treatment facilities.

**Location and Capacity:**

The treatment plant is being built in a strategic location in or around Tehran.

Its exact capacity depends on the final design, but it is expected to supply a significant portion of Tehran's drinking water.

**Project Phases:**

**Phase 1:** Includes the construction of main infrastructure such as the perimeter wall, central control building, mechanical room, laboratory, and filtration units.

**Subsequent Phases:** Involve the completion of other units such as the recovery unit, administrative building, and security and surveillance systems.

**Key Components of the Project:**

**Filtration Units:** For the removal of physical impurities from water.

**Central Control Building:** For managing and monitoring the treatment process.

**Mechanical Room and Facilities:** For providing energy and technical support.

**Recovery Unit:** For the recovery and reuse of water resources.

**Surveillance System:** For monitoring and ensuring the security of the treatment plant.

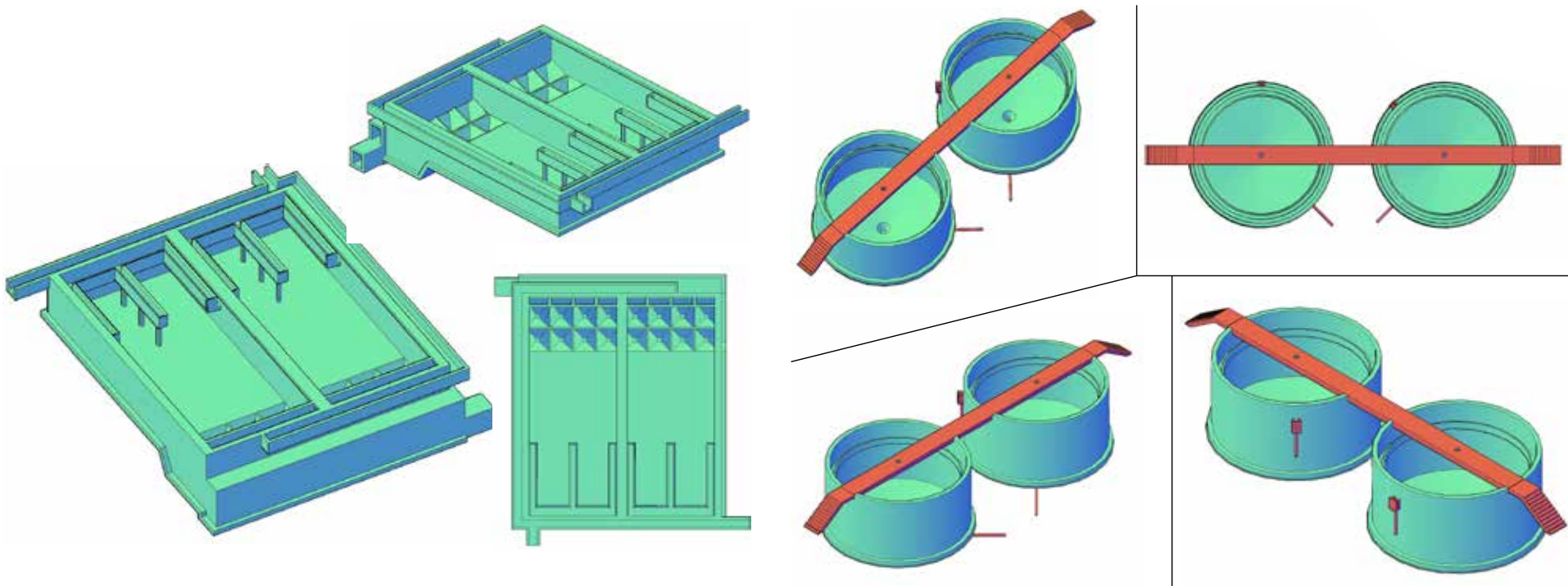
**Importance of the Project:**

**Sustainable Drinking Water Supply:** This project plays a key role in providing a sustainable drinking water supply for Tehran's growing population.

**Environmental Protection:** The use of advanced technologies minimizes negative environmental impacts.

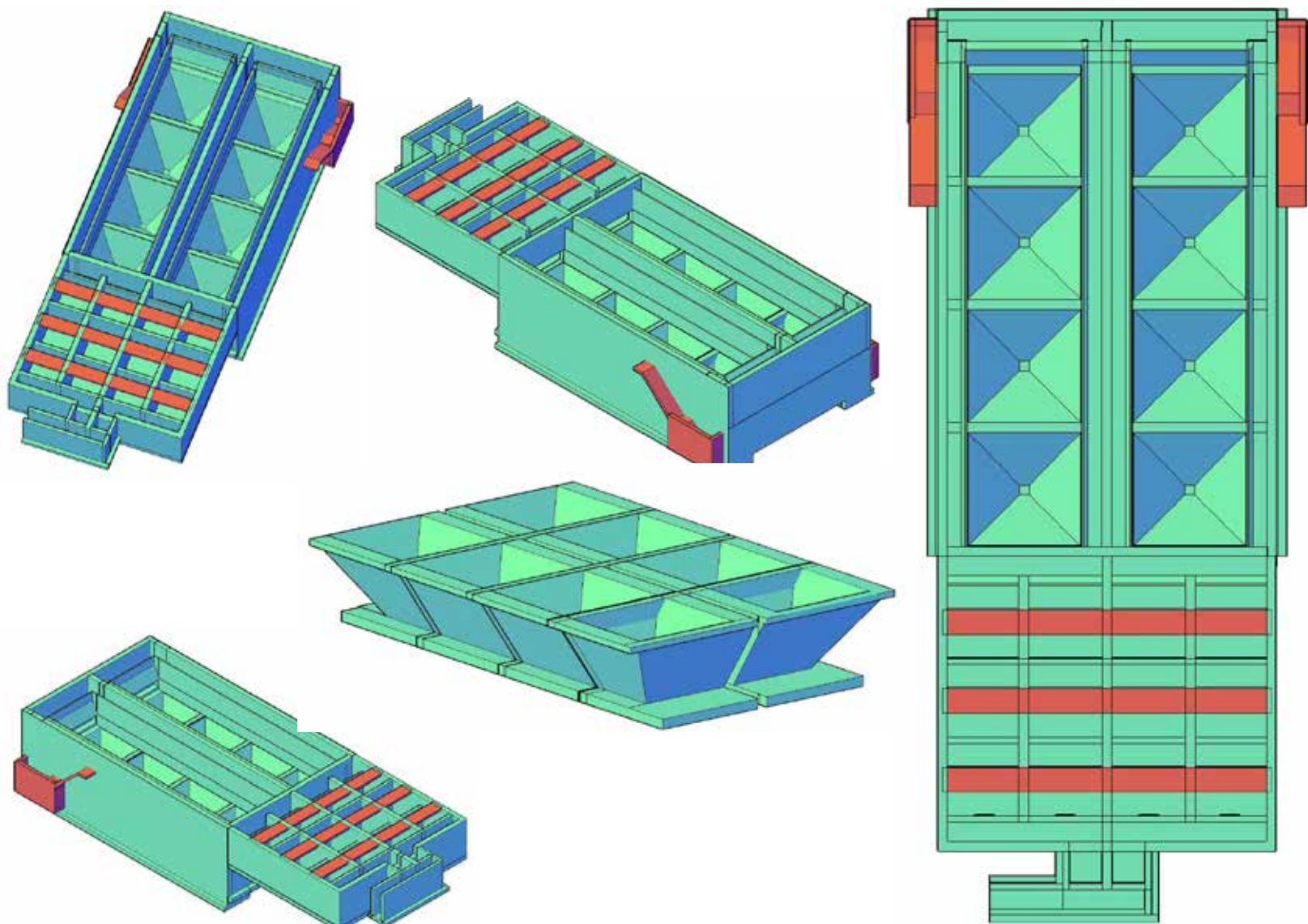
**Job Creation:** The implementation of this project directly and indirectly creates employment opportunities.





Equalization Basin

Thickening Structure



Clarifier Structure

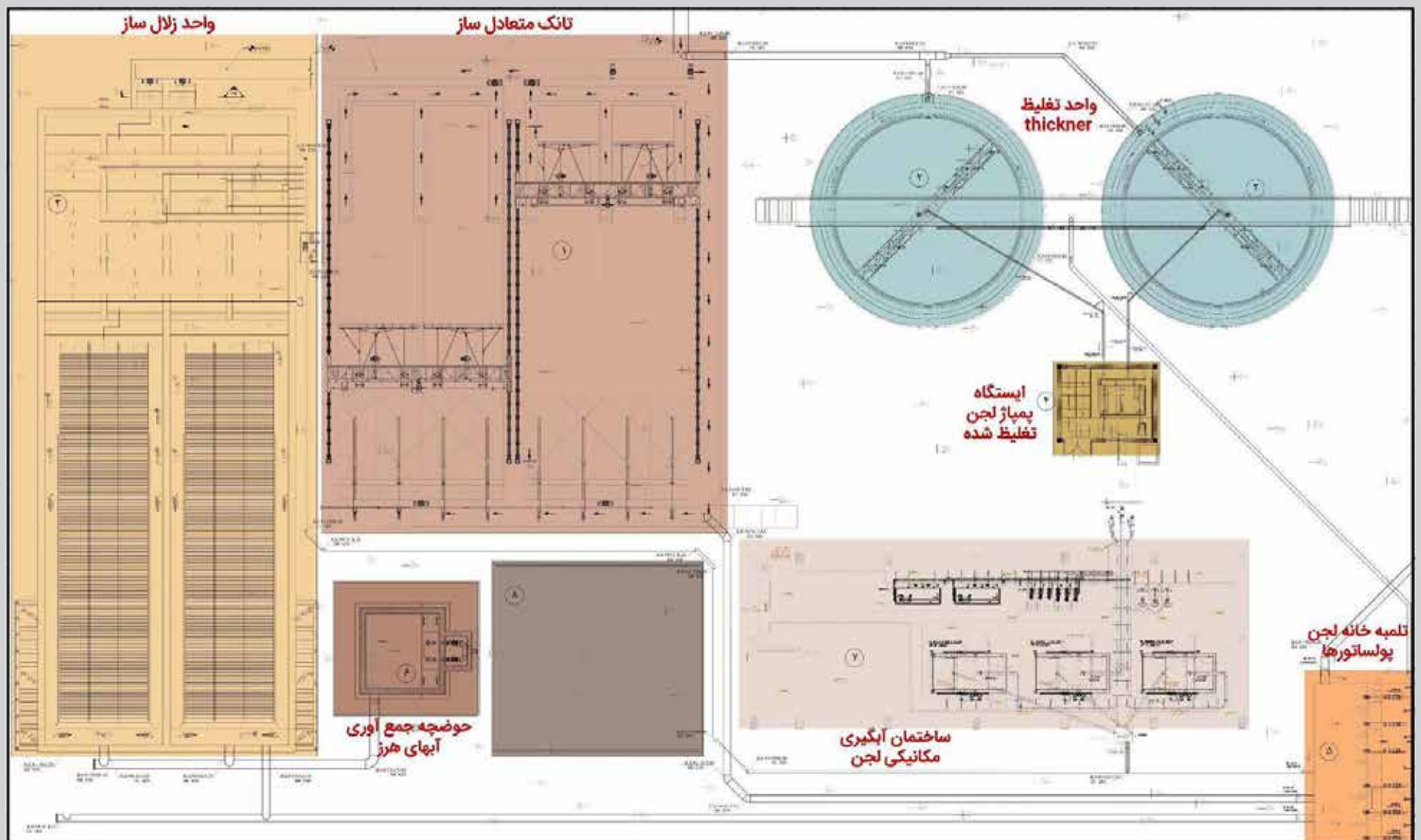






## Subject of the Contract:

1. Construction of the perimeter wall
2. Completion of the substructure and laboratory facilities
3. Construction of the central control building
4. Completion of the substructure and mechanical room facilities
5. Completion of the western flood channel
6. Construction of the covering around the water feature
7. Construction of the space frame structure over the filtration unit
8. Construction of the administrative building and its facilities
9. Construction of the recovery unit structures
10. Completion of the finishing and architectural work for the central operational building rooms
11. Completion of the warehouse shed
12. Implementation of the infrastructure for the treatment plant's video surveillance system



Recovery Unit









## KHORRAMABAD WATER TREATMENT PLANT

KHORRAMABAD WATER TREATMENT  
PLANT FINISHING YEAR : 2014  
PLACE: KHORRAMABAD, LORESTAN  
PROVINCE, IRAN PRICE: 8,618,098.01 \$





Implementation of two steel lines with a diameter of 1800 mm and a length of 7 km. Two strands of GRP pipeline with a diameter of 1800mm. Construction of a reinforced concrete structure for the tunnel exit waterfall, 200 meters long and 5 meters wide. Construction of a water tunnel with a finished diameter of 7.3 meters and an approximate length of 5220 meters Implementation of tunnel entrance and exit structures Construction of a concrete transmission canal with a capacity of 15 cubic meters per second and a length of 6587 meters.













**TUNNEL B**

EXECUTION OF TUNNEL B & REMAINING PARTS OF CANAL B FINISHING YEAR : 2013

PLACE: TEHRAN, TEHRAN PROVINCE, IRAN

PRICE: 5,342,919.21 \$



### Sorkheh Hesar Tunnel (Tunnel B)

Construction of tunnel B between Vafadar Highway and Maythami Street and the remaining branches of B Canal in Meat (Gousht) Organization Street and the northern part of Shahid Rajaei Street (piping)

Approximate length of the tunnel: 2200 meters

The approximate length of the open trench canal is 55 meters

Pipe laying operation of 300 meters by tunnel method and 110 meters by open trench method















## KHAN ABAD DAM

45 KM OF ACCESS ROAD TO KHAN ABAD DAM. FINISHING YEAR : 2003

PLACE: ALIGODARZ, LORESTAN PROVINCE, IRAN



## Dam Position

Country Iran

Province Lorestan

Dam Location 25 Km From South  
East Of Aligudarz

Dam Specification

Type Earthfill Dam With Clay Core

Crest Length 290m

Height From Foundation 31.5m

Reservoir Volume At Normal Level  
17.9 Million M3
















## ALIGODARZ WASTEWATER TREATMENT PLANT

ALIGODARZ WASTEWATER TREAT-  
MENT PLANT

FINISHING YEAR : 2006

PLACE: ALIGODARZ, LORESTAN

PROVINCE, IRAN PRICE: 1,556,802.59 \$







Inlet pump, aeration and clarification pools, overflows, chlorination building, side buildings, landscaping, fencing, electrical and mechanical installations of side buildings, construction of a concrete bridge unit to pass a 1000 mm sewer pipe, construction of manholes and 1000 mm diameter piping and the length of 270 meters of sewage transmission line to the treatment plant, the construction of 600 and 800 mm sewage pipelines next to the crossings with a length of 270 meters, the construction of 1500 meters long pipeline for the treatment plant, a canal with a trapezoidal section of 3000 meters









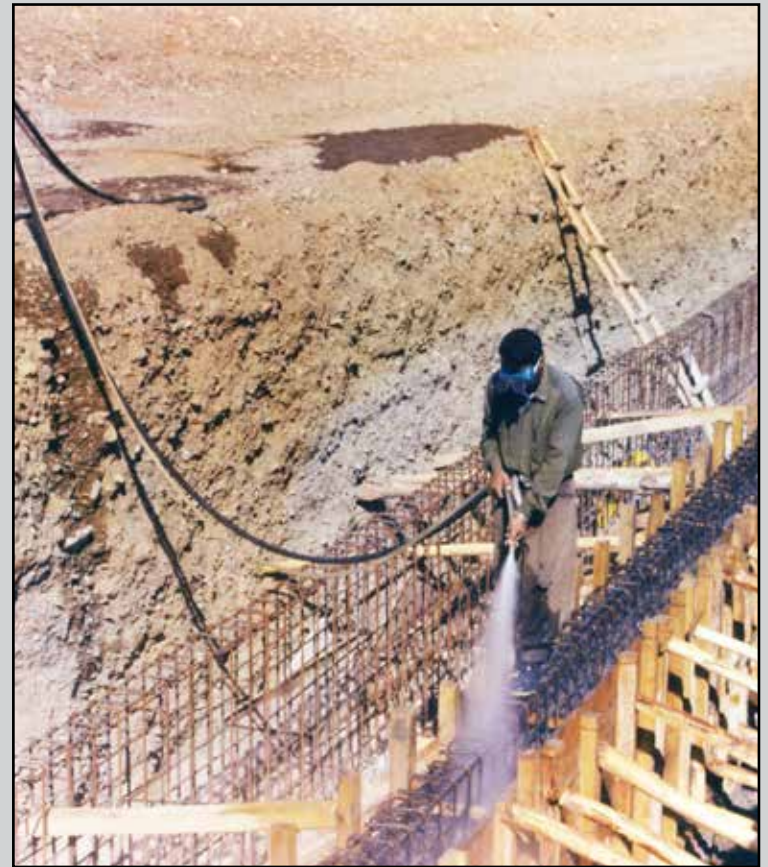
## JIROFT IRRIGATION AND DRAINAGE

A REPORT FROM IRAN STATES THAT THE HALIL RUD REGION NEAR "JIROFT BECAME FAMOUS BETWEEN 2002/2003 [WHEN NEWS OF] THOUSANDS OF CONFISCATED BURIAL GOODS, ESPECIALLY ELABORATED CARVED CHLORITE VESSELS FROM THE NECROPOLISES OF HALIL RUD" WERE RELEASED TO PUBLIC.

SINCE FEBRUARY 2003, ARCHAEOLOGISTS HAVE RECOVERED A WEALTH OF ARTIFACTS FROM THE NECROPOLIS WHICH THEY HAD NAMED MAHTOUTABAD. FOR EXAMPLE, ONE GRAVE CONTAINED "ANIMAL BONES AND FOOD OFFERINGS, CERAMICS, AND STONE AND COPPER ITEMS ... [INDICATING] A COHERENT CULTURAL AND CHRONOLOGICAL FRAMEWORK, AROUND 2400-2200 BC".



Jiroft is a city and capital of Jiroft County, Kerman Province, Iran. At the 2006 census, its population was 95,031, in 19,926 families. It is located 230 kilometres (140 mi) south of the city of Kerman, and 1,375 kilometres (854 mi) south of Tehran along Road 91. In the past it was also called Sabzevaran, and on account of its being very fertile land it is famous as Hend-e-Koochak (the little India). The civilization found in Jiroft is one of the oldest human civilizations (according to some, the oldest) and the manuscripts obtained from this civilization are before the cuneiform discovered in Mesopotamia.





Jiroft is located in a vast plain, Halil River, on the southern outskirts of the Jebal Barez mountain chain, surrounded by two rivers. The mean elevation of the city is about 650 metres (2,130 ft) above sea level. The weather of the city is sweltering in summer - it is one of the hottest places in Iran - but temperatures are moderate in winter.

There is a large dam (Jiroft Dam) upstream the city (40 km North-East of Jiroft) on the Halil River (Halilrood). It is under operation since 1992. Having a reservoir of more than 410 million cubic meters of water, irrigates 14200 hectares of the downstream and generates electricity.









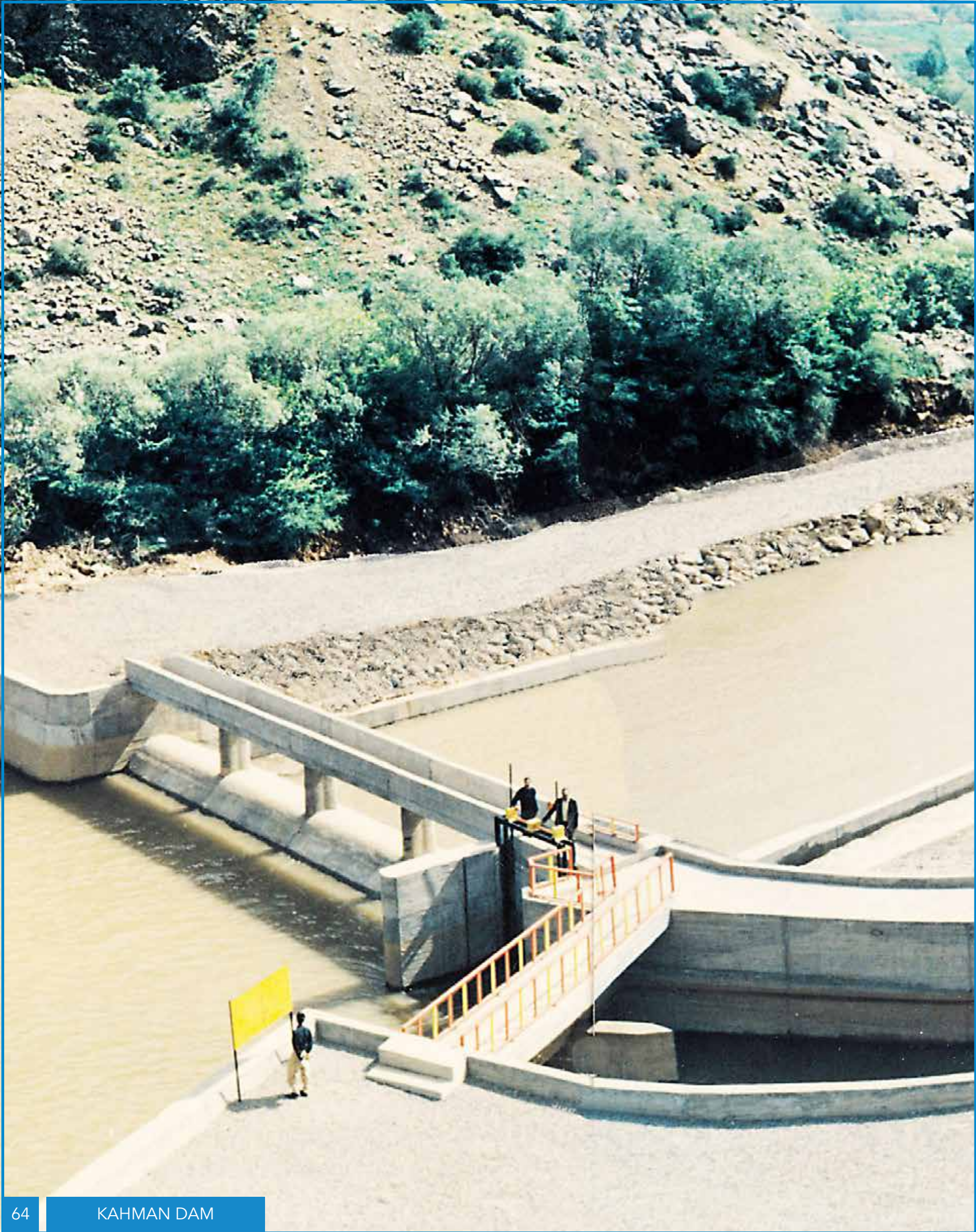


### KAHMAN DAM

10.5 KM OF ACCESS ROAD TO KAHMAN DAM. FINISHING  
YEAR : 1991

PLACE: ALESHTAR, LORESTAN PROVINCE, IRAN





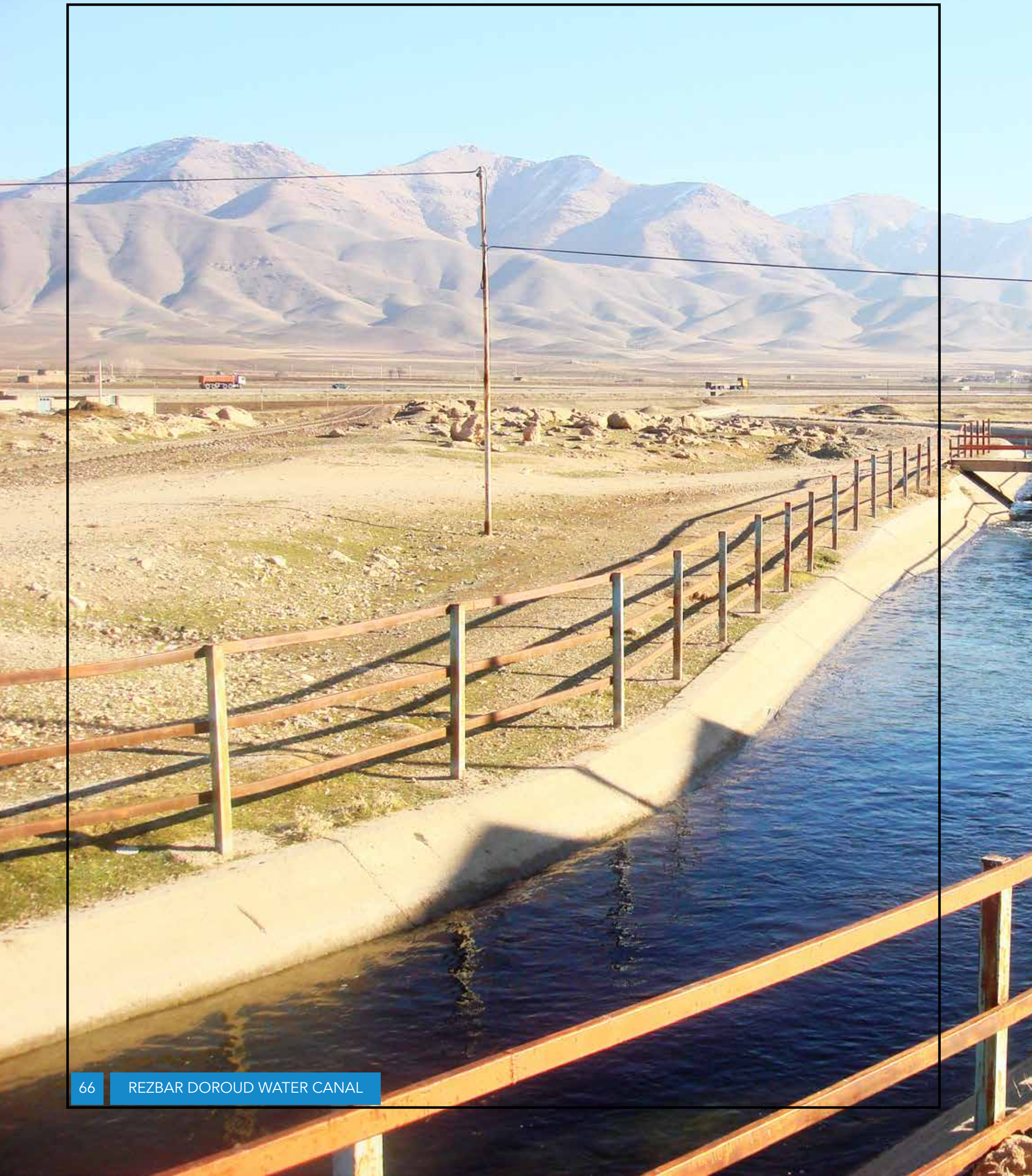




The Kahman Valley is related to the prehistoric era of ancient Iran and is located in the city of Selesh (near Al-Shatar) in the village of Upper Tang Valley and Lower Tang Valley and in the northeastern area of the city. One of the national works of Iran has been registered.

Kahman Valley is located in the geographical position of N335901 E482102 in Lorestan province (Silesh city). Kahman area is one of the most famous geotourism attractions in the region. Tall and old trees, beautiful nature, permanent glaciers, numerous caves, rare medicinal plants, many springs and a very pleasant climate are among the natural features of this region.







## REZBAR DORUD WATER CANAL

FINISHING YEAR : 1998

PLACE: DORUD, LORESTAN

PROVINCE, IRAN PRICE: 514,958.31 \$









## RAILWAY SUBGRADE (SHIRAZ-BUSHEHR-ASALUYEH)

THE SUBGRADE CONSTRUCTION FOR THE SHIRAZ-BUSHEHR-ASALUYEH RAILWAY SPANS FROM KM 158+100 TO KM 187+000 IN FARS PROVINCE, COVERING A LENGTH OF 28.9 KILOMETERS.

THE SCOPE OF WORK INCLUDES EXCAVATION, EMBANKMENT, AND THE CONSTRUCTION OF TECHNICAL STRUCTURES SUCH AS CULVERTS, 5 SPECIAL BRIDGES, AND 2 STATIONS. THE OPERATIONS ALSO INVOLVE SUBGRADE CONSTRUCTION, PAVING, AND THE SUPPLY AND INSTALLATION OF GUARDRAILS.

EMPLOYER: MINISTRY OF ROADS AND URBAN DEVELOPMENT - CONSTRUCTION AND DEVELOPMENT OF TRANSPORTATION INFRASTRUCTURES COMPANY

CONSULTANT: METRA CONSULTING ENGINEERS COMPANY

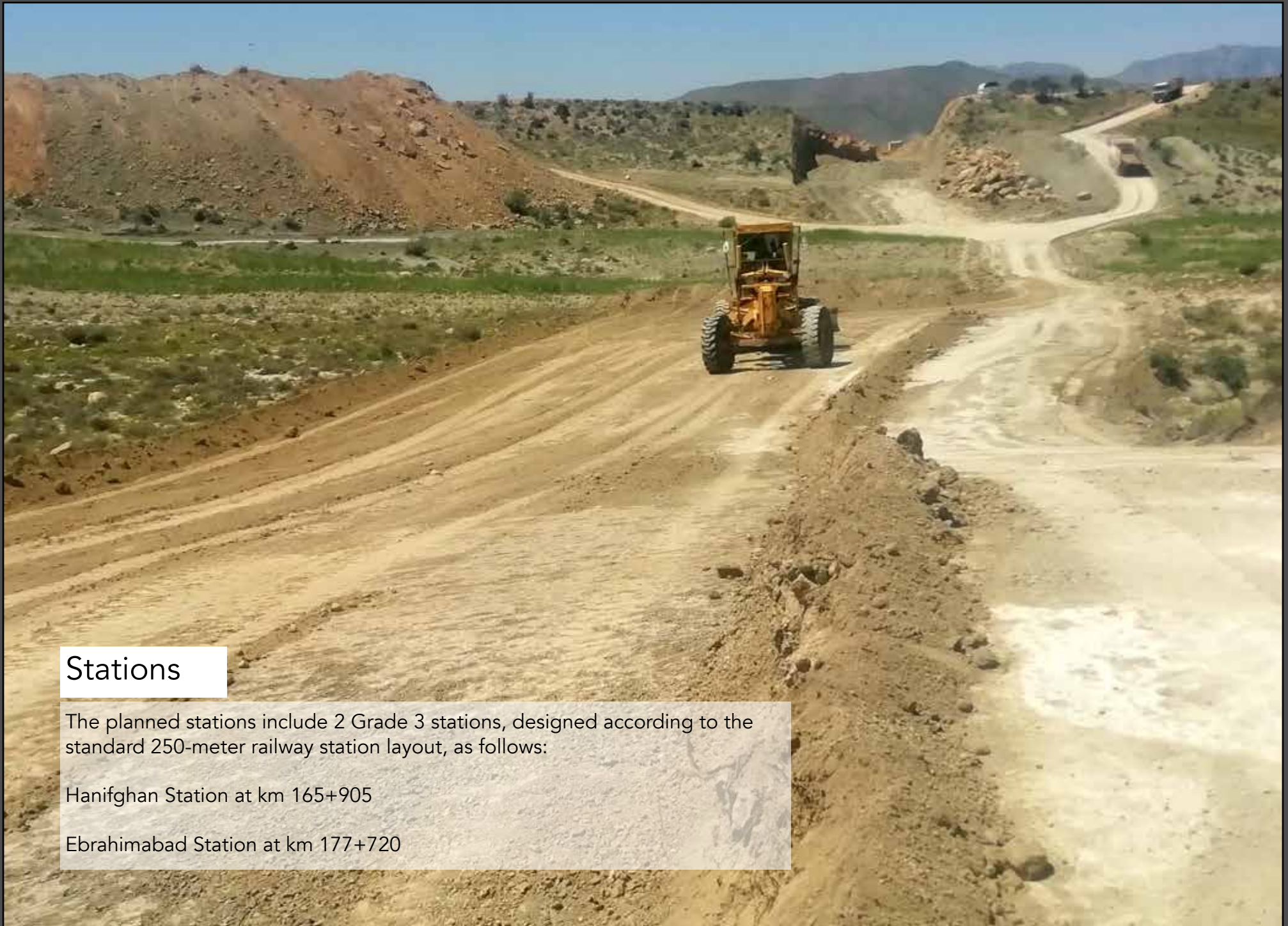
CONTRACTOR: KHARADEZH COMPANY

INITIAL CONTRACT AMOUNT: \$20,960,000

CONTRACT START DATE: DECEMBER 16, 2023  
(1402/7/25 IN THE PERSIAN CALENDAR)

CONTRACT DURATION: 30 MONTHS





## Stations

The planned stations include 2 Grade 3 stations, designed according to the standard 250-meter railway station layout, as follows:

Hanifghan Station at km 165+905

Ebrahimabad Station at km 177+720







## Special Bridges

In Section 5/A of the Shiraz-Bushehr Railway, a total of five special bridges with a combined length of 1,216 meters have been planned in the studies, as detailed below:

Jalal Valley Bridge at km 159+332, with a length of 213 meters, consisting of 6 spans of 18 meters and 1 span of 105 meters.

Valley Bridge at km 161+980, with a length of 224 meters, consisting of 7 spans of 32 meters.

Tangab River Bridge at km 173+170, with a length of 528 meters, consisting of 16 spans of 33 meters.

Amiko River Bridge at km 180+735, with a length of 119 meters, consisting of 3 spans of 33 meters and 1 span of 20 meters.

Mahkoyeh River Bridge at km 186+810, with a length of 132 meters, consisting of 4 spans of 33 meters.







## GARMSAR - SIMIN DASHT - FIRUZKUH AXIS

### COMPLETION OPERATIONS FOR THE CONSTRUCTION OF THE GARMSAR - SIMIN DASHT - FIRUZKUH AXIS WITH A LENGTH OF 18.340 KILOMETERS

#### 1. Project Objective:

This project is aimed at improving road transport infrastructure and facilitating travel between the cities of Garmsar, Simin Dasht, and Firuzkuh.

Increasing safety and reducing travel time between these areas are other potential objectives of this project.

#### 2. Axis Length:

The length of this project is 18.340 kilometers, indicating a relatively short but important route for connecting different areas.

#### 3. Completion Operations:

Completion operations include activities such as paving, installation of road signs, creation of safety infrastructure, and the construction of bridges or tunnels if needed.

#### 4. Regional Importance:

This axis could play a significant role in connecting the northern and southern regions of Semnan Province or adjacent areas.

Improving this route may contribute to the economic and tourism development of the region.

#### 5. Potential Challenges:

Road projects in mountainous or topographically complex areas (such as the Firuzkuh region) face challenges such as the need to build bridges, tunnels, or extensive earthworks.









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## KHORRAMABAD - KUHDASHT ROAD

27 KM OF ROAD BETWEEN KHORRAMABAD & KUHDASHT 4 LINE ROAD & GRAND BRIDGE ON KASHKAN RIVER.

FINISHING YEAR : 2020

PLACE: KHORRAMABAD, LORESTAN PROVINCE, IRAN


PRICE: 13,296,744.14 \$









A wide, multi-lane asphalt road curves through a hilly, arid landscape. The road has white lane markings and a solid white shoulder line. The surrounding terrain is dry with sparse vegetation and reddish-brown soil. In the background, a range of mountains is visible under a hazy sky. The road is flanked by steep, eroded hillsides.

Kuhdasht County is located in Lorestan province, Iran. The capital of the county is Kuhdasht. At the 2006 census, the county's population (including those portions of the county later split off to form Rumeshkhan County in 2013) was 209,821, in 43,159 households. At the 2016 census, the county's population was 166,658, in 45,155 households.







**BORUJERD - OSHTRINAN ROAD**

8.5 KM OF ROAD BETWEEN BORUJERD  
& OSHTRINAN 4 LINE ROAD FINISHING  
YEAR : 2013

PLACE: BORUJERD, LORESTAN PROV-  
INCE, IRAN PRICE:78,032,386.42\$







Oshtorinan (Persian: oštorinān, Ashtarian, also Romanized as Oshtorīnān and Oshtornīān) is a town and the capital of Oshtorinan District, in Borujerd County, Lorestan Province, Iran. At the 2006 census, its population was 5,264, in 1,408 families. The city and district is populated by Kurds.

Oshtorinan has a cold climate and is an agricultural centre. Oshtorinan is located in the western region of Iran between the cities of Borujerd, Malayer, and Nahavand. It is 15 km north-west of Borujerd and historically has been used as a caravanserai for travelling from Borujerd to Hamedan, and from Isfahan to Baghdad.







