



Parhoon Tarh Co.

We believe our commitment to excellence and precision that we exhibit on each project is the strategic principle of obtaining our client's trust and satisfaction.

Throughout our growth and diversification, we have stuck to the idea that our clients should confidently state: "When you leave it to Parhoon Tarh, you are in good hands. " To achieve this purpose, we are fully aware that knowledgeable and proficient staffs are vital in order to share our beliefs.

Thus, employing highly talented, creative, and efficient experts, and enjoying their full support to achieve our goals, has always been on our main agenda.

Parhoon Tarh Contractual Competence

Grade 1 in Hydro Structures
Grade 1 in Building and Construction
Grade 1 in Installation & Equipment
Grade 3 in Road and Transportation



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Initiating a different movement is the result of having a different belief. We believe that mankind was created to be the main pivot of activity and production on our planet. Furthermore, all other resources and elements of the universe may be governed, controlled, and exploited by him.

Capable and innovative people shall launch robust and efficient organizations.

In 2001, we sensed the necessity and embarked upon the journey of establishing a strong, different, and effective company to enter the civil construction industry both domestically and internationally.

Years of construction experience plus motivation, knowledge and expertise in the board of directors, made us sure that we can find an optimal general contractor company that can fulfill our customer's dreams from conception to completion.

Hence, Parhoon Tarh was founded.

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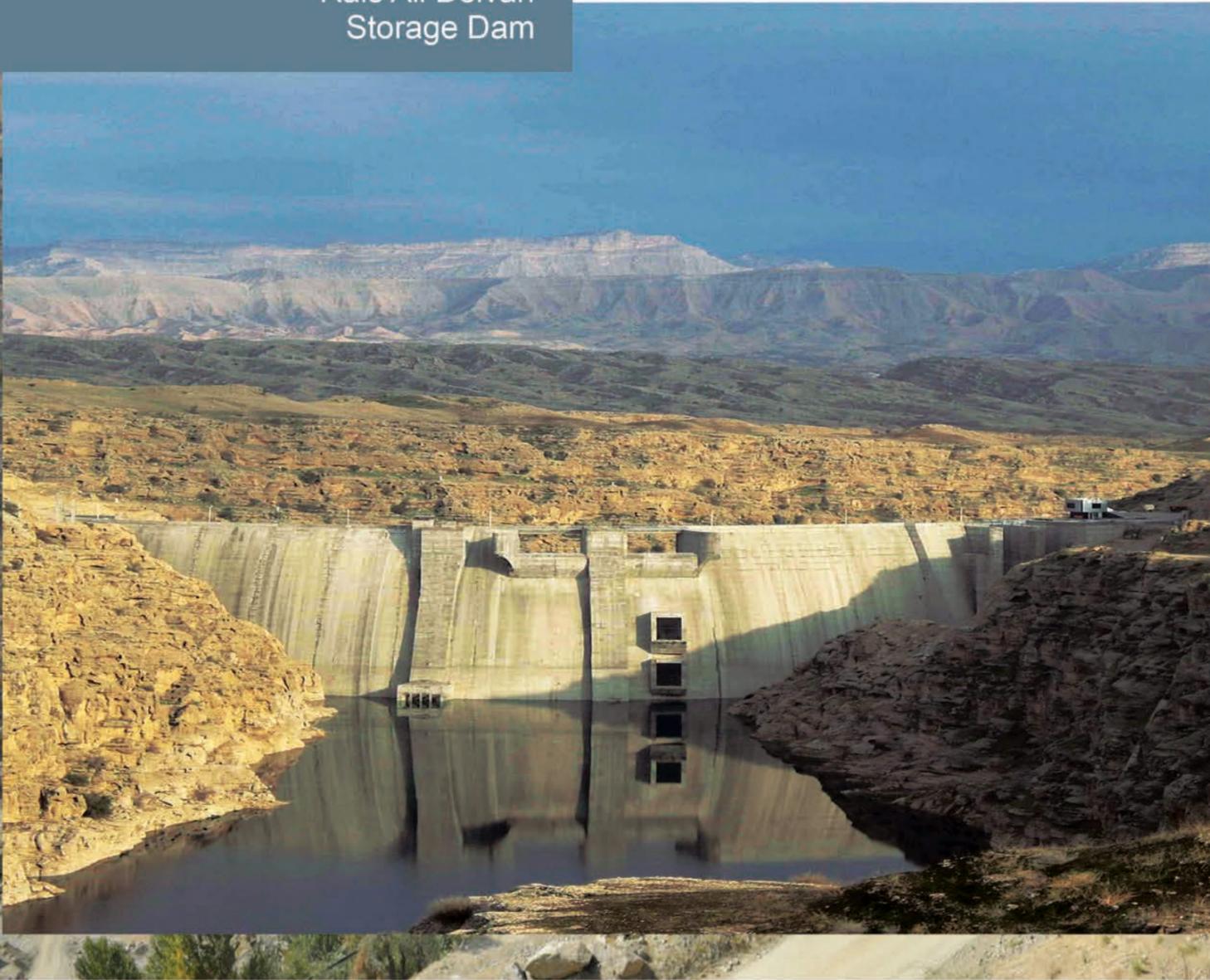
Parhoon Tarh Projects Location



Dams

- Rais Ali Delvari Storage Dam
- Shah- Wa- Arous Dam
Hydropower & Irrigation Project
- Chamshir Dam
Diversion Tunnel Lining, Upstream
& Downstream Cofferdam
- Dam 1&2 Akhtar Site Flood
Control System
- Almmar Dam
- Water Intake And Buildings
of Khersan III
- Minab Dam Downstream River

Rais Ali Delvari Storage Dam



Dams Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Managing Contractor (MC)
Client: Fars Regional Water Company
Consultant Engineer: Mahab Ghods Consulting Engineers
Location: Iran- Bushehr Province
Project Cost:
420 billion IRR (Main Contract)
1 billion IRR (Parhoon Tarh Portion)
Project Duration: 46 months

Project Volumes

Concrete for dam structure: 220,000 m³
Concrete for spillway: 30,000 m³
Drilling and grouting: 100,000 m (Curtain wall)

Project Specification

Type of dam: Double arc concrete
Length at crown: 240 m
Height from base: 112 m

Project Goals

Agricultural land extension of 19,500 hectares
Flood control and prevention of resulting damages
Energy production of 96 GWH

Status of Project

Completed



Description of Project

Rais Ali Delvari dam had been constructed on Shapur river, 100 km to north of Bushehr. This project with objectives of water regulation, irrigation, flood control and power generation was managed by this company.

Shah Wa Arous Dam Hydropower & Irrigation Project



Dams Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Contractor as member of Tablieh-Parhoon Tarh J.V. (EPC)
Client: Afghanistan-Ministry Of Energy & Water
Engineering Contractor: Alborz Sazeh Consultant Engineers
Location: Afghanistan-Kabul
Project Cost: 48 million USD
Project Duration: 55 Months

Project Volumes

Dam Concrete Volume: 330,000 m³
Dam formwork: 28,500 m²
Excavation Volume in Rock: 80,000 m³
Access Road Length: 10 km

Project Specification

Dam Type: RCC (Roller Compacted Concrete)
Dam Height: 78 m
Dam Crest Length: 303 m
Type of Spillway: Free Spillway on Dam Crest
Annual Production: 3.60 GWH/year
Units of powerplant: 2 units (0.5 MW)

Project Goals

Supply of downstream lands water
Supply of drinking water for Kabul city
Power production of 1.2 MW

Status of Project

In Progress



Description of Project

The main constraint on developing sustainable large scale agriculture in Afghanistan is inadequate water resource, although total water availability is substantial annually. Therefore, development and regulation of the rivers & streams are necessary in order to facilitate water supply throughout the year, mitigate flood damages, generate hydro-power, domestic supply, etc. Shah-Wa-Arus multipurpose Project is one of the suitable projects based on performed prefeasibility & feasibility studies.

Chamshir Dam Diversion Tunnel Lining, Upstream & Downstream Cofferdam



Dams Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Main Contractor (C)
Client: Sabir Co.
Owner: Iran Power and Water Development Company
Consultant Engineer: Mahab Ghods Consulting Engineers
Location: Iran-Kohgiluyeh & Buyerahmad Province
Project Cost: 230 billion IRR
Project Duration: 18 Months

Project Volumes

Coffer dams RCC concrete: 95,000 m³
Diversion tunnel concrete: 45,000 m³
Reinforcement: 2,400 tons
Formwork: 53,000 m²

Project Specification

Type of coffer dams: RCC dam
Height of upstream coffer dam: 32 m
Height of downstream coffer dam: 18 m
Length of diversion tunnel: 760 m
Diameter of diversion tunnel: 12 m

Project Goals

Diversion of the Zohreh river water route

Status of Project

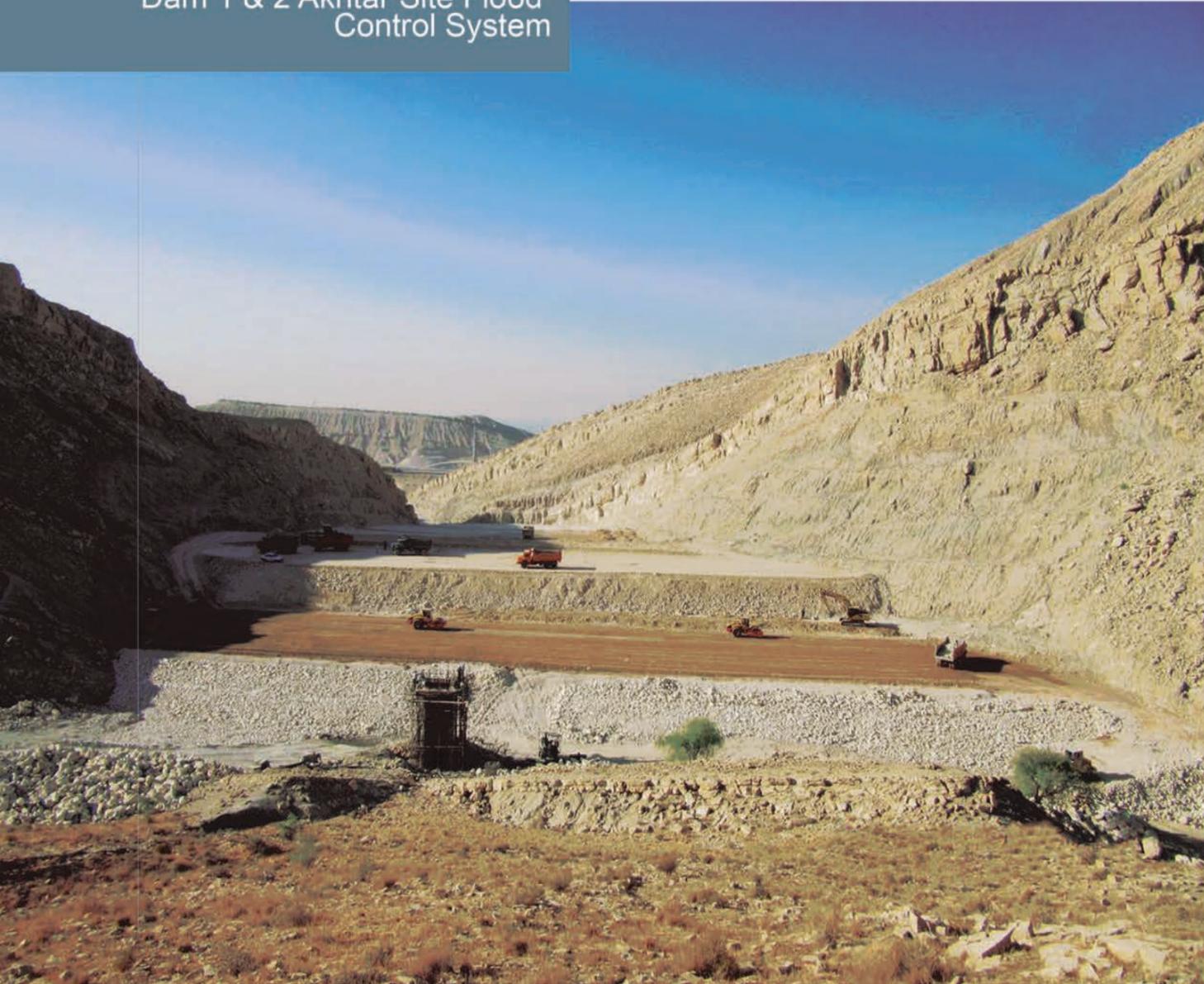
Completed

Description of Project

Chamshir dam which is located in the southwest of Iran, near the Zohreh river, is being constructed to provide 1.8 billion cubic meters water in order to irrigate about 110,000 hectares of downstream fertile agricultural lands. Flood controlling, power generation, and water protection of Zohreh River are other purposes of this project.

Parhoon Tarh Company is responsible for construction of upstream and downstream coffer dam as well as lining of diversion tunnel in this project.

Dam 1 & 2 Akhtar Site Flood Control System



Description of Project

Considering the torrential rains and occurrence of flood in Pars area and for purpose of detention and controlling the process of flood by dam construction and water reservation behind the constructed dams and gradual discharging thereof, the executive operations of dam 1 & 2 of Akhtar Site flood control system is under construction at Kangan city, Bushehr province. This project consists of the detention gravel dam with concrete coating and execution of all hydraulic details, miscellaneous works, mobilization and demobilization of the workshop according to the map & technical specifications.



Dams Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Main Contractor member of Tablieh-Parhoon Tarh J.V. (C)
Owner: Pars Oil & Gas Company
Location: Iran-Bushehr Province
Project Cost: 730 billion IRR
Project Duration: 24 Months

Project Volumes

Excavation & Rock Removal : 204,600 m³
Embankment (main frame execution): 897,600 m³

Project Specification

Type of Dam: Gravel (rock fill) with concrete coating (CFRD)
Lenght of the Dam Crown D1: 231 m
Lenght of the Dam Crown D2: 172.4 m
Dam Height D1: 22 m
Dam Height D2: 50 m

Project Goals

Protection of the Downstream Facilities of South Pars Phases 13,22 & 24 against the Destructive Floods

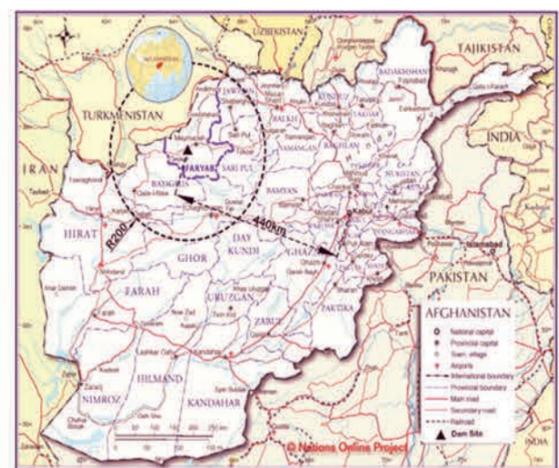
Status of Project

Completed

Almmar Afghanistan
Design of Dam and Imgation System



Project	Row	Depth	CR	RGD	Remarks
Project ALMMAR DAM					
BH No. A13	13	140	150	100	Ø 76 mm
Box No. 4	14	150	180	100	Logan 110.150
Date: 11.11.12 11.08.12	15	180	200	100	Logan 150.200
Controlled by: MPF					



Dams
Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Member of Arian Parhoon J.V. (C)
 Owner: Ministry of Water and Power in the Islamic Republic of Afghanistan
 Client: Tedis (Tajikistan)
 Location: Afghanistan-Faryab, Maimana

Project Specification

Type of dam : Gravity dam
 Height dam : 68 m
 Length at the crown : 350 m
 Spillway : Free spillway at the crown
 Drainage network : 3995 hectares

Project Goals

Supply of downstream lands water

Status of Project

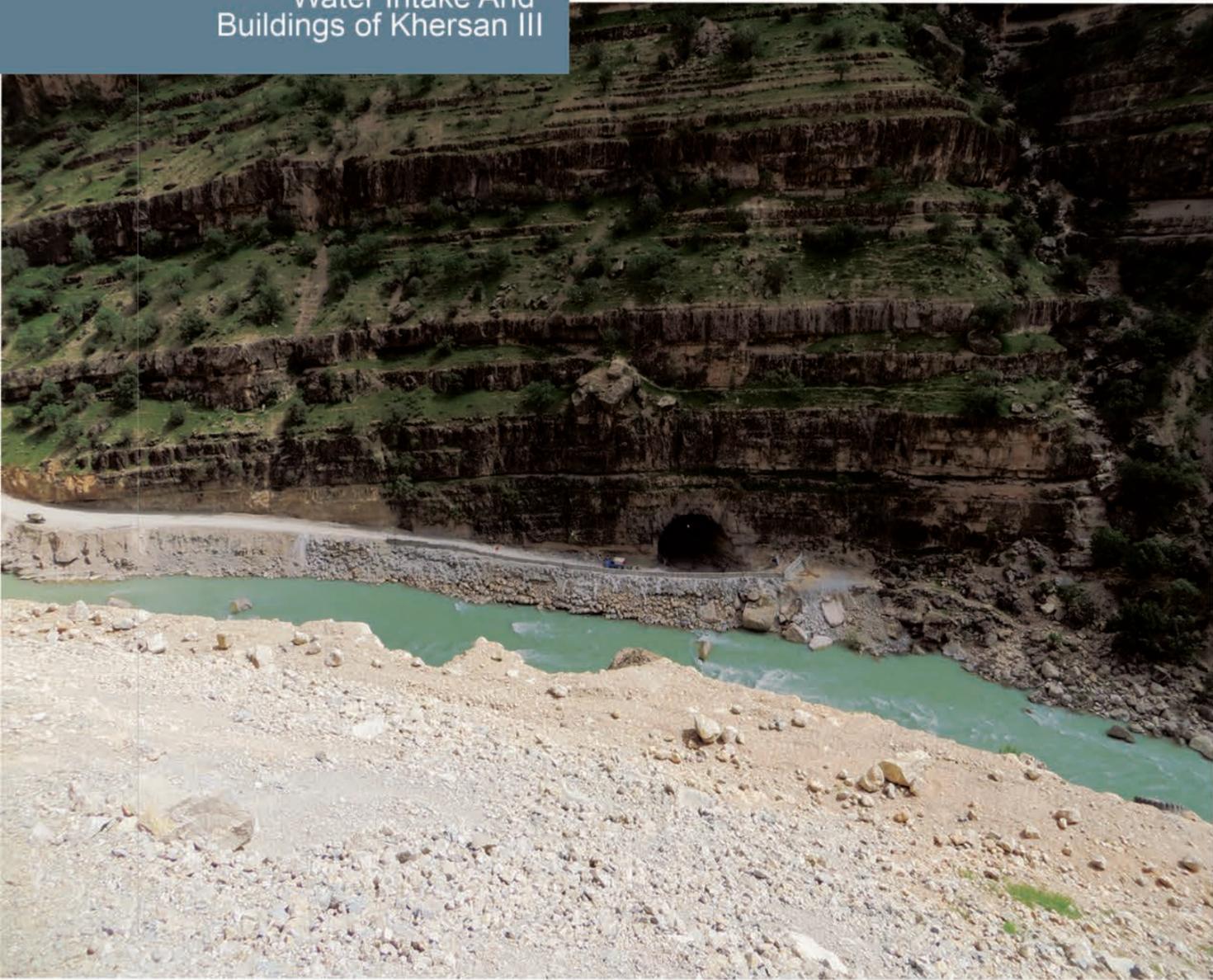
Completed

Description of Project

The contract of Almaar dam and irrigation network designing was signed in 2012 between Tedis company of Tajikistan (main contractor) and Arian Parhoon. Almaar project is 34 kilometers far Maimana, Faryab province, Afghanistan. The project includes a 68-meter-high concrete gravity dam and irrigation network in an area of 4000 hectares.



Water Intake And Buildings of Khersan III



Dams Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Main Contractor (C)
Owner: Iran Power and Water Development Company
Consultant Engineer: Aban Pajooch Consulting Engineers
Location: Iran-Chahar Mahal Bakhtiari Province
Project Cost: 270 million yuans
Project Duration: 60 Months

Project Specification

Type of Power House: Surface
Power House Dimensions: L= 75 m, W= 24 m, H= 48 m
Number of Units: 4 vertical axes 100 MW
Francis Units Total: 400 MW
Water Tunnel Length: 568 & 527 m
Water Tunnel Diameter: 7.5 m
Final Internal Diameter: 6.3 m
Reservoir Dimensions: L= 42 m, W= 27 m, H= 71 m

Project Goals

Improvement of land utilization and agriculture
Preventing flood damages and energy production

Status of Project

In Progress

Description of Project

Khersan III dam and power plant over khersan river is located nearby Zagros Mountains, Atashgah and Talayeh villages which is 50 Km away from Lordegan city.

Investment and execution of this national project is granted to the consortium of Tana Energy, Jihad Water Resources Development, Parhoon Tarh and CAMCE / SUMEC of China from Iran Water and Power Resources Development Company. The project includes two water transfer tunnels and 4 penstocks wick transfer water from the reservoir to 4 units of 100 MW turbines of power plant. According to the contract, Parhoon Tarh executes all operations related to the reservoir structures, water transfer tunnels and 400 MW power plant.



Organization of Minab Dam Downstream River



Description of Project

Minab downstream River is one of the important rivers in Hormozgan Province, that floats in Minab plain, in approximately 120 kilometer distance from east Bandar Abbas. Minab Dam has been built to harness the flood and provide sustained drinking and agricultural water in Dasht Minab region, as well as for supplying drinking water in Bandar Abbas City. The goal of this project is to organize, dredge and control Minab river flood.

Dams Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Contractor of Construction Operations and Site Building (PC)
Project investor: Tana Energy and Parhoon Tarh J.V.
Client: Hormozgan Regional Water Company
Consultant Engineer: Sabzab Arvand Consultant Engineers Company
Location: Iran-Hormozgan Province
Project Cost: 790 billion IRR
Project Duration: 12 Months

Project Volumes

Concrete work: 46,000 m³
Excavation: 902,000 m³
Embankment: 803,000 m³
Geotextile: 156,000 m³
Stone structures: 183,000 m³

Project Specification

Length of the right dike of the river: 7,880 m
Length of the left dike of the river: 6,790 m
Height of the dike: 3.5m , 4.5m and 5.5 m
Concrete pipes: 700 to 1,000 mm diameter
Type of operations: River organizing

Project Goals

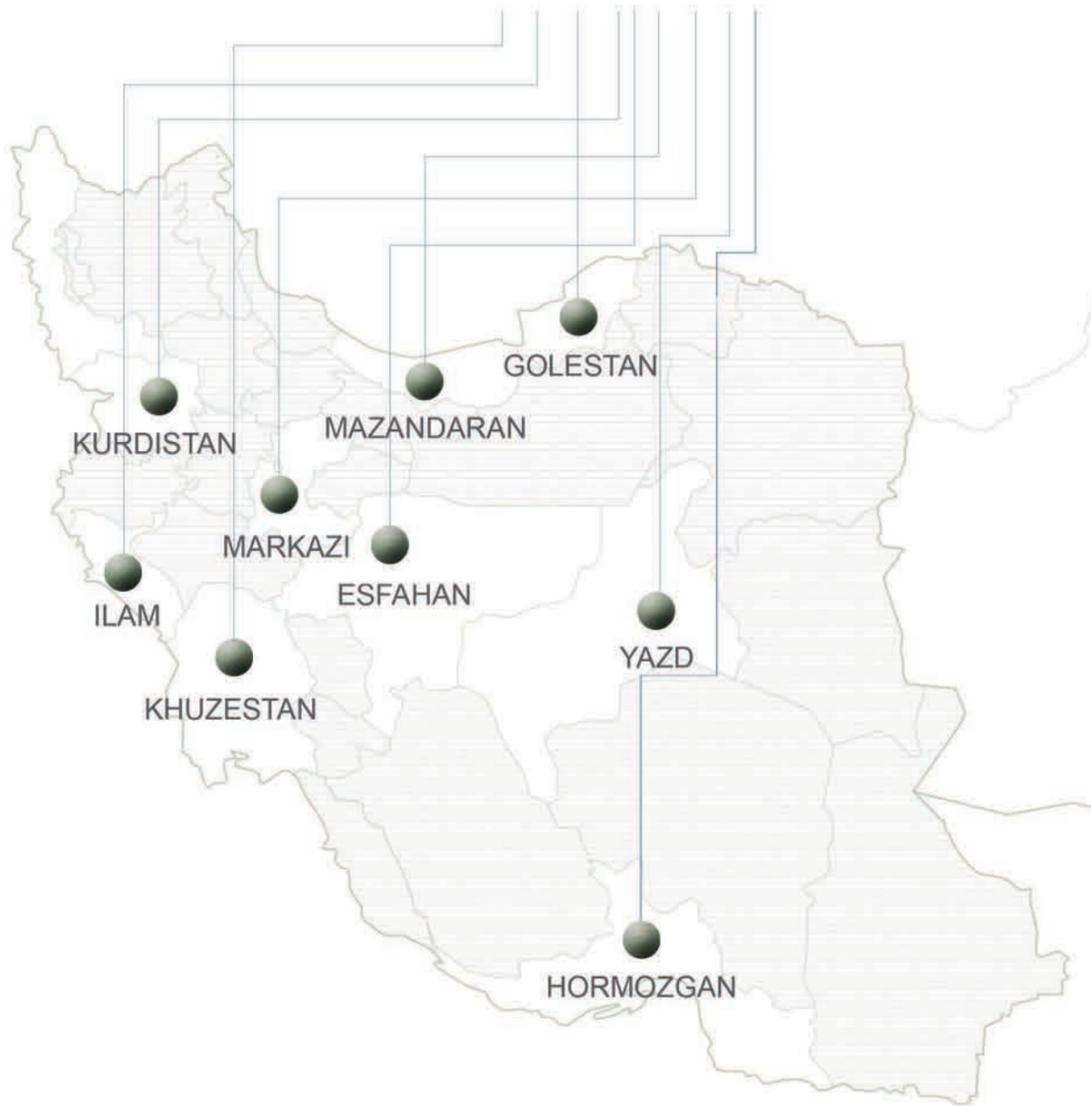
construction of gable surface and pebbles in cement mortar for non-urban areas in the right and left banks of the river
direct the dredged water into the river
Collecting river materials for dike construction, and clearing the path of the last area (the lowest stream in the area)

Status of Project

In Progress



Parhoon Tarh Projects Location



Power Plants

- Seymareh Hydroelectric Plant
- Aliabad Gas Power Plant
- Abadan Refinery Third Gas Power Plant Project
- Sanandaj Combined Cycle Power Plant Project
- Neka Combined Cycle Power Plant Project
- Rudeshur Simple Cycle Power Plant Project
- Yazd Solar Thermal Power Plant Project
- Sanandaj Cooling Towers Project
- Yazd Farab Cooling Tower Project
- Caspian Power Plant Project
- Kashan Power Plant Project
- Qeshm Combined Cycles Power Plant Project
- Latakia Cooling Tower
- Mobarakeh Esfahan Steel Power Plant
- Eslamabad Cooling Tower

Seymareh Hydroelectric Plant



Description of Project

Seymareh dam & hydropower plant project is located on the Seymareh River in western Iran, 30 km from the city of Darreh Shahr in Ilam province. The surface power house, with an annual energy production of 850 GWh, was awarded by the Iran Water and Power Development Company to the consortium of Farab-Tablieh-Parhoon Tarh as the EPC contractor of civil parts. The design works were carried out by the Swiss Firm Poyry as a subcontractor of Tablieh-Parhoon Tarh J.V.

Power Plants Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: EPC Contractor as member of Tablieh-Parhoon Tarh J.V. (EPC)
 Client: Iran Power and Water Development Company
 Consultant Engineer: Mahab Ghods Consulting Engineers
 Location: Iran-Ilam Province
 Project Cost: 915 billion IRR
 Project Duration: 103 Months

Project Volumes

Open air Excavation: 60,000 m³
 Concrete Volume: 70,000 m³
 Reinforcement: 3,500 tons
 Formwork: 48,000 m²

Project Specification

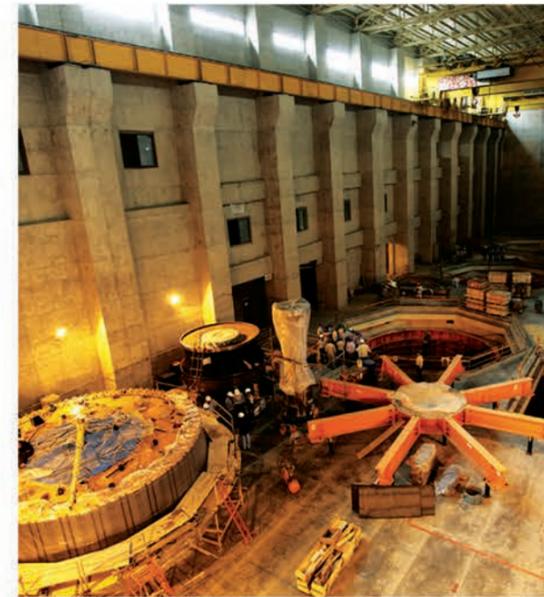
Type of power plant: Surface
 Power house dimensions: L= 97.70 m,
 W= 51.65 m, H= 57.15 m
 Capacity : 480 MW
 Number of units: 3 vertical axes 160 MW
 Francis units

Project Goals

Production of 850 GWh hydroelectric energy annually
 Control of seymareh river flood Regulating water flow to Karkheh dam
 Supply of regional downstream water requirements

Status of Project

Completed



Aliabad Gas Power Plant



Description of Project

Aliabad Gas Power Plant is located in Golestan province in Iran. Execution of all civil works of this power plant was awarded to Parhoon Tarh Company due to its brilliant experience specially in construction of power plants.

Power Plants Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Main Contractor (C)
Client: MAPNA Group
Consultant Engineer: Ghods Niroom Consulting Engineers
Location: Iran-Golestan Province
Project Cost: 308 billion IRR
Project Duration: 22 Months

Project Volumes

Concrete Volume: 54,000 m³
Formwork: 100,000 m²
Reinforcement: 3,500 tons
Steel Structures: 4,000 tons
Sandwich Panel: 20,000 m²

Project Specification

Type of power plant: Gas
Capacity: 1000 MW
Number of units: 6*162MW gas units

Project Goals

Power production of 1,000 MW by 6*162 MW units.

Status of Project

Completed



Abadan Refinery Third Gas Power Plant Project



Description of Project

Abadan refinery third power plant project, having installed capacity of 210 MW power generations, was completed by Parhoon Tarh Company. This company was responsible for execution of all related civil works of the project which was awarded by Farab co. as the client.

Power Plants Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Main Contractor (C)
Client: Farab Co.
Consultant Engineer: Mesinan Consulting Engineers
Location: Iran-Khuzestan Province
Project Cost: 290 billion IRR
Project Duration: 41 Months

Project Volumes

Concrete Volume: 17,000 m³
Formwork: 32,000 m²
Reinforcement: 1,900 tons
Steel Structures: 3,200 tons
Sandwich Panel: 12,000 m²

Project Specification

Type of power plant: Gas
Capacity: 210 MW
Number of units: 7*30 MW gas units

Project Goals

Power production
Replacing old generators of Abadan refinery
Stability of oil production

Status of Project

Completed



Sanandaj Combined Cycle Power Plant Project



Power Plants Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Main Contractor (C)
Client: MAPNA Group
Consultant Engineer: Moshanir Co. as the Consulting Engineers & Ghods Niroom Co. as the supervisor
Location: Iran-Kurdistan Province
Project Cost: 340 billion IRR
Project Duration: 22 Months

Project Volumes

Concrete Volume: 15,000 m³
Formwork: 34,000 m²
Reinforcement: 1,500 tons
Steel Structures: 2,150 tons²
Sandwich Panel: 10,000 m²

Project Specification

Type of power plant : Combined cycle
Capacity: 960 MW
Number of units: 4 gas units & 2 steam units
Capacity of each unit: 160 MW
Gas Turbines: Tuga V94.2

Project Goals

Power generation for supporting other cities

Status of Project

Completed



Description of Project

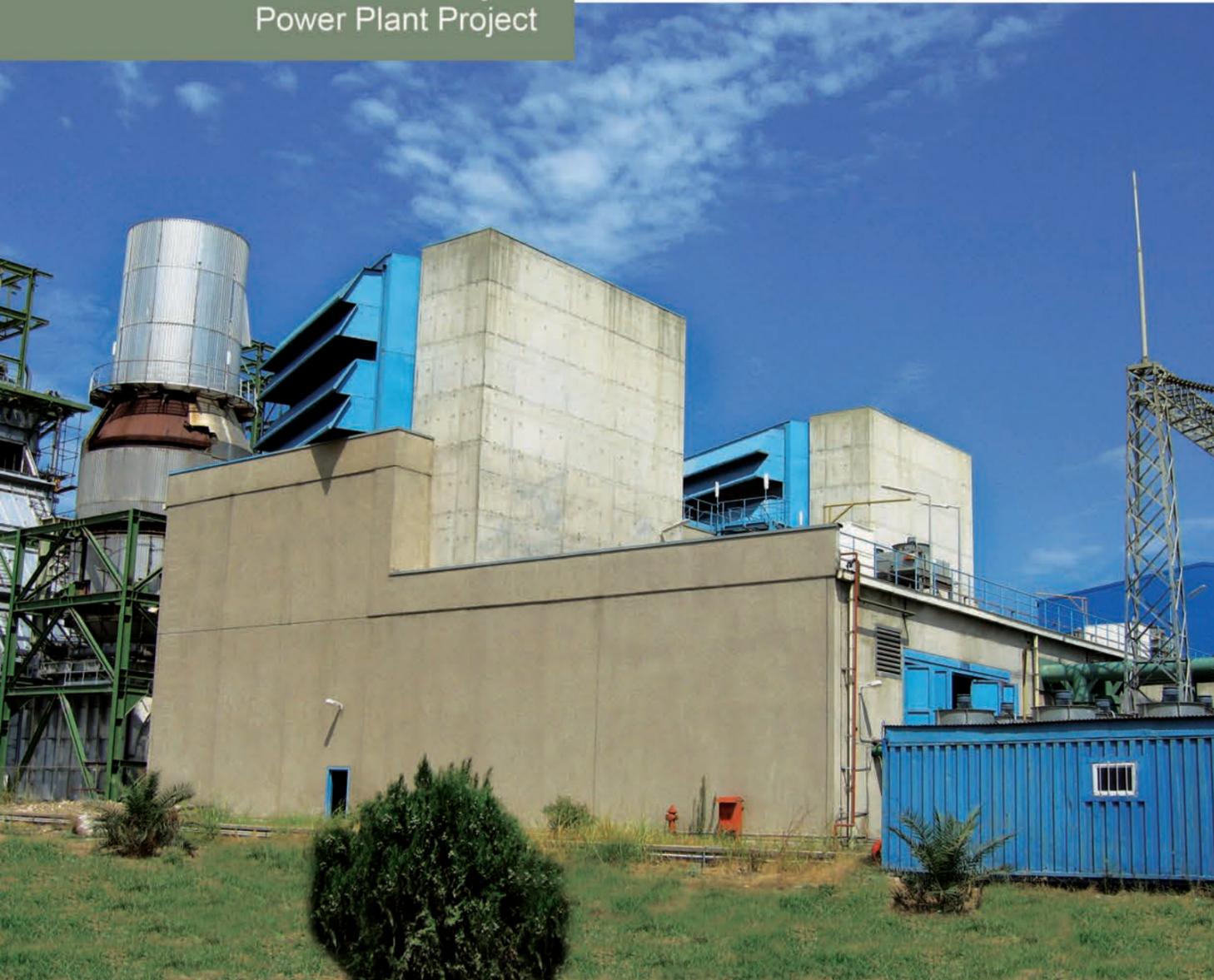
Sanandaj combined cycle power plant located in 5th km of Sanandaj to Saghez road, consists of 2 combined cycle power plants with the capacity of 320 MW.

All civil works of this project with the objective of power generation of 960 MW was completed by Parhoon Tarh Company.

This project leads to altering Sanandaj with consumption of about 402 MW power at the peak time to a productive city rather than a consumer one.



Neka Combined Cycle Power Plant Project



Power Plants Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Contractor as member of Parhoon Tarh-Ameran Ofogh-Niroo Tavan J.V. (EPC)

Client: MAPNA Group

Consultant Engineer: Monenco Consulting Engineers

Location: Iran-Mazandaran Province

Project Cost: 110 billion IRR

Project Duration: 31 Months

Project Volumes

Excavation: 60,000 m³

Concrete Volume: 15,000 m³

Formwork: 16,000 m²

Reinforcement: 2,500 tons

Steel Structures: 2,500 tons₂

Sandwich Panel: 10,000 m

Project Specification

Type of power plant : Combined cycle

Capacity: 160 MW

Number of units: 2 units

Capacity of each unit: 80 MW

Project Goals

Power generation & improving environmental conditions

Status of Project

Completed



Description of Project

Neka combined cycle power plant located in northern city of Neka, was constructed with objective of 160 MW power generation by utilization of two gas units.

This company as the leader of Parhoon Tarh-Ameran Ofogh-Niroo Tavan joint venture was responsible for design and construction of civil parts in this project. Improving the environmental conditions and promoting the efficiency are two other significant goals of this project.



Rudeshur Simple Cycle Power Plant Project



Power Plants Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Managing Contractor (MC)
Client: Arian Mahtab Gostar Co.
Consultant Engineer: Electrowatt Consulting Engineers as
Designer & Vala Energy Co. as supervisor
Location: Iran-Markazi Province
Project Cost:
208 million Euros (Main Contract)
10 billion IRR (Parhoon Tarh Portion)
Project Duration: 30 Months

Project Volumes

Capacity of 1st phase: 789 MW
Capacity of all phases: 2,100 MW
Type of GTG units: Siemens V 94.3.2a
Number of units: 3 × 262.9 MW (1st Phase)

Project Goals

Considering annual growth of the national demand as well as the I.R.I policies to activate the private sector in supplying electricity Rudeshur SCPP with a final capacity of 2,100 MW by 8 units completed by the private sector in an aim to make up the part of the national grid demand.

Status of Project

Completed



Description of Project

Constructing 1st phase of Rudshur power plant located at 44th Km of Tehran-Saveh free road, with a capacity of 792 MW, inaugurated in summer 2004 and operated in winter 2006.

The most important technical specifications of these Power Plant units are high power generation amounting to 264 MW for each unit, availability rate over 92%, and efficiency rate around 39%. Besides, observing environmental standards with the aim of the green industry differentiate these units from the other similar ones.

Parhoon Tarh Company was responsible for managing the project based on a MC contract.



Yazd Solar Thermal Power Plant Project



Power Plants Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Main Contractor (C)
Client: MAPNA Group
Consultant Engineer: Moshanir Consulting Engineers
Location: Iran-Yazd Province
Project Cost: 293 billion IRR
Project Duration: 40 Months

Project Volumes

Concrete Volume: 31,000 m³
Formwork: 78,000 m²
Reinforcement: 3,300 tons
Steel Structures: 3,300 tons₂
Sandwich Panel: 20,500 m²

Project Specification

Type of power plant : Solar Thermal
Capacity: 478 MW
Number of steam units: 1*143 steam unit
Capacity of solar unit: 17 MW

Project Goals

Producing the electricity of the region
Developing and using clean energy
Optimizing use of the solar energy

Status of Project

Completed



Description of Project

Thanks to many sun-rich areas in Iran, there is high capacity of using solar energy. Yazd integrated solar combined cycle power station is a hybrid power station situated near Yazd, Iran which became operational in 2009. It is the world's first combined cycle power plant using solar power and natural gas. This plant has capacity of 478 MW and uses solar energy in order to augment its steam generation by concentrating solar power technology.



Sanandaj Cooling Towers Project



Power Plants Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Main Contractor (C)
Client: MAPNA Group
Consultant Engineer: Moshanir Co. as Consulting
Engineers & Ghods Niroom Co. as the supervisor
Location: Iran-Kurdistan Province
Project Cost: 340 billion IRR
Project Duration: 18 Months

Project Volumes

Concrete Volume: 30,000 m³
Formwork: 106,000 m²
Reinforcement: 6,500 tons
Steel Structures: 600 tons

Project Specification

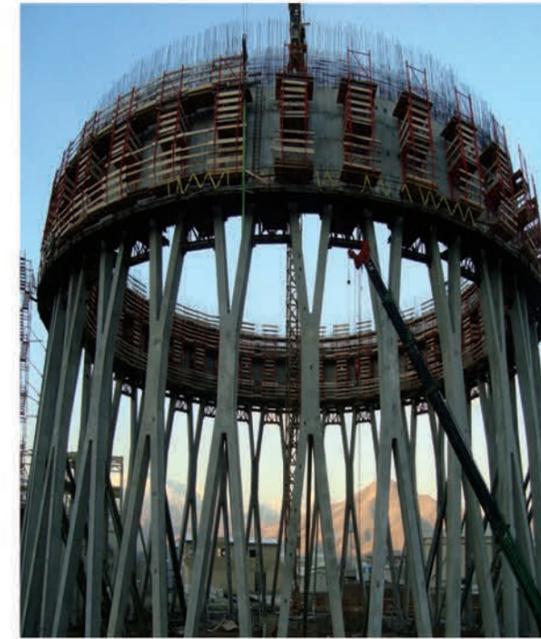
Number of towers: 2 units
Height from foundation: 125 m
Maximum diameter: 73 m
Thickness: Vary from 18 cm to 125 cm

Project Goals

Cooling the working fluid

Status of Project

Completed



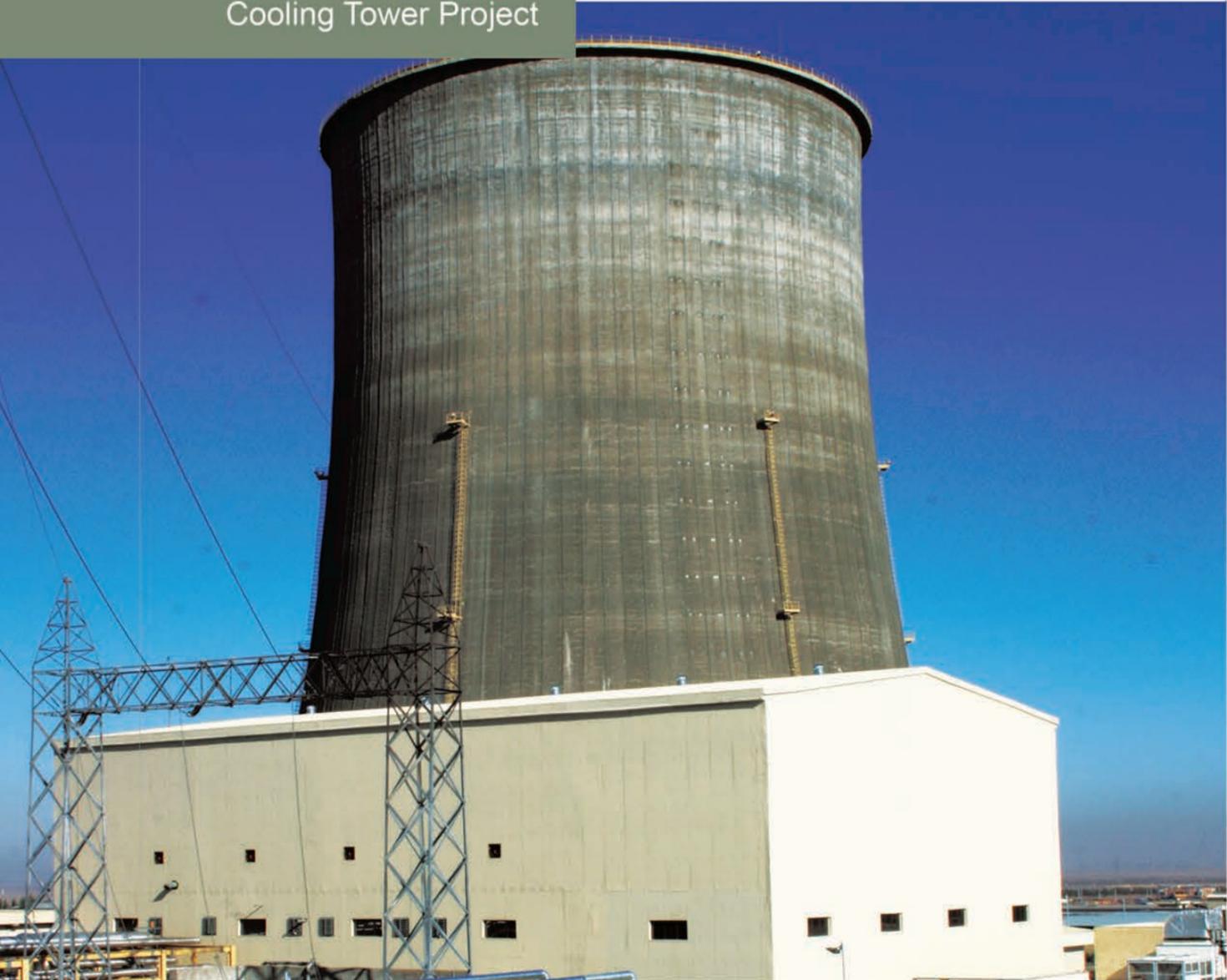
Description of Project

Because of Parhoon Tarh Co's great performance in execution of Sanandaj combined cycle power plant and gaining employer's satisfaction, the client decided to extend Parhoon Tarh's responsibility by assigning the construction of two cooling towers.

All civil works of the mentioned cooling towers with maximum height of 125 m were completed by this company implementing of climbing form working system.



Yazd Farab Cooling Tower Project



Power Plants Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Main Contractor (C)
Client: MAPNA Group
Consultant Engineer: Ameran-Ofogh Consulting Engineers
Location: Iran-Yazd Province
Project Cost: 109 billion IRR
Project Duration: 14 Months

Project Volumes

Excavation Volume: 14,000 m³
Concrete Volume: 8,000 m³
Formwork: 55,000 m²
Reinforcement: 3,000 tons

Project Specification

Number of towers: 1 Unit
Height from foundation: 120 m
Maximum diameter: 80 m
Thickness: Vary from 18 cm to 125 cm

Project Goals

Cooling the working fluid

Status of Project

Completed



Description of Project

Parhoon Tarh has achieved a great success in executing cooling tower projects with climbing formworks. According to this success we have used the same method in executing Yazd Farab cooling tower project.



Caspian Power Plant Project



Power Plants Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Contractor (C)
Client: Energy Gostaran Motahed Co.
Consultant Engineer: Ghods Niroo Co.
Location: Iran-Mazandaran Province
Project Cost (along with purchase & installation of cranes): 1,394 billion IRR
Project Duration: 30 Months

Project Volumes

Concrete Volume: 22,507 m³
Formwork: 45,104 m²
Reinforcement: 28,156 tons
Sandwich Panel: 19,634 m²
Steel structures: 2,464 tons

Project Specification

Type of power plant: Combined cycle
Power plant capacity: 450 MV
Number of Units: 1 gas unit

Project Goals

Power Generation & Improvement of Environmental Conditions

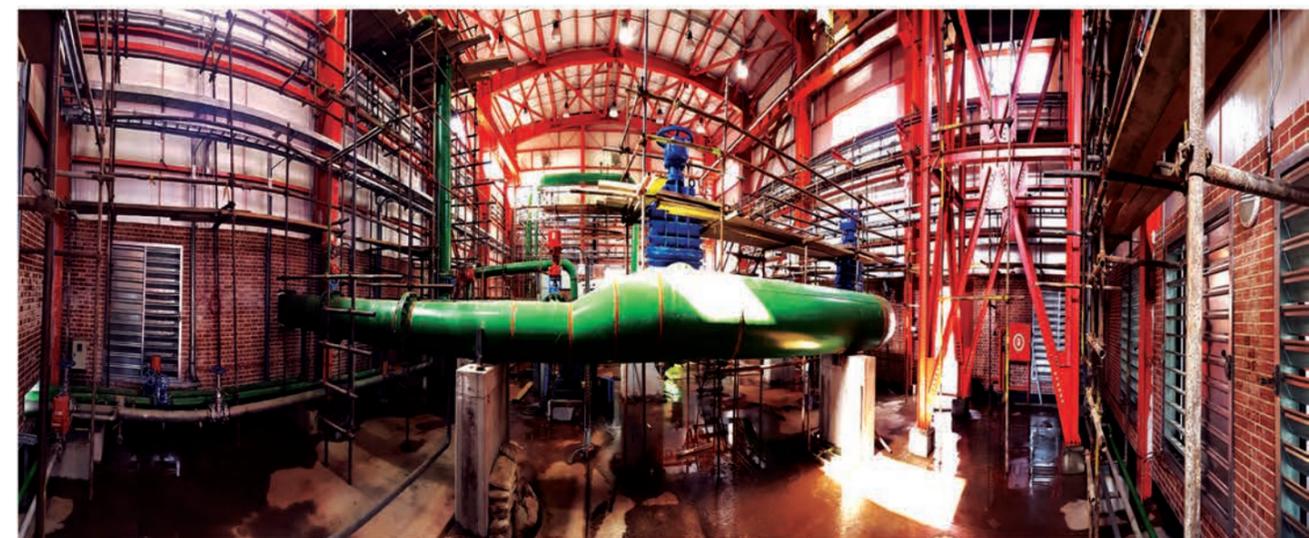
Status of Project

Completed



Description of Project

Combined Cycle Power Plant has been constructed in Noshahr city at Mazandaran province. Capacity of this power plant which supplies a part of the overall electricity network of the country, is 450 MV, being supplied by operating one gas unit. The main owner of the project, is Mahtab Caspian Power Generation Company. All construction & installation operations related to Noshahr Power Plant, are carried out in form of 3 contracts : (1) construction & civil works of the project (2) installation of crane , metal structure and sandwich panel (3) purchase of goods & equipments. By construction of combined cycle units, while improving the environmental conditions, increase of the power plant's efficiency also became possible. The main tasks of the execution part included all soil operations of the power plant site, all building works of the tankers, buildings and warehouses related to the main power plant buildings, performing all interring works, etc. Also the main works of the design & execution (including design, procurement, supply & execution) included all landscaping operations, filtration house, sewage system, office buildings as well as all mechanical & electrical operations related to air-conditioning system, fire extinguishing, procurement & installation of the cranes used in the site.



Kashan Power Plant Project



Power Plants Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Contractor (C)
 Client: Mapna Group
 Consultant Engineer: Ghods Niroo Consulting Engineers
 Company
 Location: Esfahan Province
 Project Cost: 530 billion IRR
 Project Duration: 24 Months

Project Volumes

Concrete Volume: 24,456 m³
 Excavation Volume: 202,006 m³
 Form Work: 41,781 m²
 Reinforcement: 2,244 tons
 Steel structures: 191 tons

Project Specification

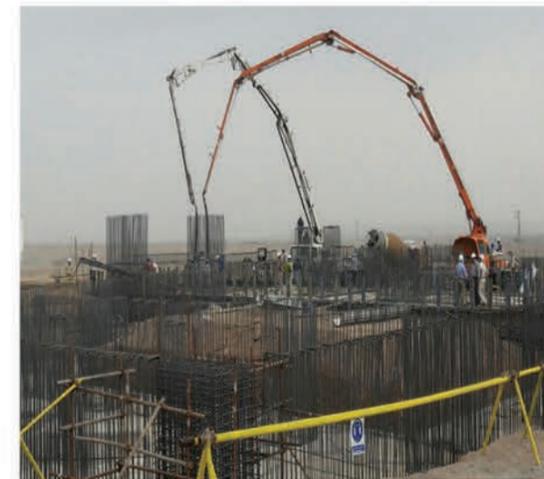
Type of power plant: Combined cycle
 Power plant capacity: 324 MV
 Number of Units: 2*162 gas units

Project Goals

Power Generation & Improvement of
 Environmental Conditions

Status of Project

Completed



Description of Project

Combined Cycle Power Plant, has been constructed in Kashan city, Esfahan province. Capacity of this power plant, being the supplier of a part of the overall network electricity of the country, is 324 MV, being supplied by operating two gas stations. The main owner of the project, is the Power Development Organization of Iran. Based on the approved strategy, Kashan Power Plant Project, has been implemented in form of 17 contracts in the engineering, equipment supply and execution sectors. Also the post capacity of Kashan Power Plant, is 230 KV and the engineering, supply and construction thereof, is within the working scope of the project owner. The executive operations of Kashan Power Plant construction started on 23 Jan, 2008 and the first unit of the said power plant, entered the circuit on 27 Jun, 2009 (Synchron). The last unit of this power plant was provisionally delivered to the owner on 31 Jan, 2010. In the Kashan Gas Power Plant Construction Project, the record of minimum interval between the start of excavation of the hall turbine and the Synchron of the 1st unit, has been registered as a period of 14 months.



Qeshm Power Plant Project



Power Plants Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Contractor of Construction Operations and Site Building (C)
 Client: Construction and development of MAPNA Combined Cycle Power Plant (Tosse 3)
 Location: Iran-Hormozgan Province
 Project Cost: 3.560 billion IRR
 Project Duration: 20 Months

Project Volumes

Concrete Volume: 71,000 m³
 Excavation Volume: 217,000 m³
 Formwork: 105,000 m²
 Reinforcement (armature): 6,200 tons
 Steel structures: 2,400 tons
 Embankment: 150,000 m³
 Asphalt: 18,000 m²

Project Specification

Type of power plant: Combined cycle
 Power plant capacity: 500 MW
 Number of units: 2 gas units, one steam unit and water intake structure

Project Goals

Electricity generation and improving the environmental conditions

Status of Project

In Progress



Description of Project

Qeshm combined cycle power plant is built on 73 hectares of land in kilometer 18 Left to Qeshm Road. The scope of the work included building a combined cycle block consisting of 2 gas units in 170 MW capacity, power plant substation in GIS type in 230 KW voltage level, and steam turbine in 160 MW capacity in the ISO (final 500 MW) conditions. The construction operations of the water intake of this power plant in 100 thousand cubic meter water intake capacity, the infrastructure, and pavement of the access roads in the gas-field are among the work objects of this project as well.



Latakia Cooling Tower Project



Power Plants Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Contractor of Construction Operations (C)
 Client: Construction and development of MAPNA Combined Cycle Power Plant (Tosse 2)
 Location: Syria- Latakia
 Project Cost: 6 million Euro
 Project Duration: 15 Months

Project Volumes

Concrete Volume: 13,000 m³
 Excavation Volume: 13,000 m³
 Formwork: 105,000 m²
 Traditional Formwork: 4,600 m²
 Framing X-LEG column's formwork: 5,200 m²
 Shell Climbing frame: 46,000 m²
 Upper ring formwork: 400 m²
 Reinforcement: 4,000 tons
 Steel structures: 320 tons
 Embankment: 7,500 m³
 Number of X-LEG column: 32

Project Specification

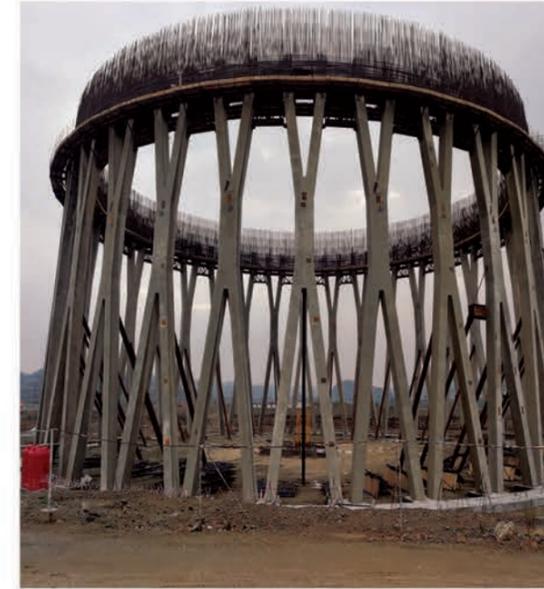
Number of cooling towers: One unit
 Height of the towers from foundation: 134m
 Maximum diameter: 83m
 Thickness: 18 to 125cm

Project Goals

The cooling system of combined cycle power plant

Status of Project

In Progress



Description of Project

Construction of 540 MW combined cycle power plant of Latakia. Due to the increase in electricity demand in Syria, the need to re-implement the industrial, agricultural, service and tourism sectors were put in the agenda. Performing the remaining construction operations of concrete cooling power of Latakia combined cycle power plant in Al-Rastan, next to Dam 16 Tishreen was put in the agenda of this project to provide the conditions for absorbing heat produced by the electricity generation operations.



Mobarakeh Esfahan Steel Power Plant Project



Power Plants Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Contractor of Construction Operations (C)
Client: Construction and development of MAPNA Combined Cycle Power Plant (Tosse 3)
Location: Iran-Esfahan Province
Project Cost: 3,430 billion IRR
Contract duration: 14 Months

Project Volumes

Concrete Volume: 35,000 m³
Excavation Volume: 135,000 m³
Formwork: 31,500 m²
Reinforcement: 3,100 tons
Steel structures: 170 tons₃
Embankment: 16,500 m

Project Specification

Type of power plant: Combined Cycle
Power Plant Capacity: 914 MW
Number of units: 2*307 MW gas units and 300 MW steam unit

Project Goals

Improving power generation and helping environmental conditions

Status of Project

In Progress



Description of Project

To follow the policies set by the Minister of Energy and TAVANIR Company which aim at establishing private power plant projects in Iran to generate electricity for meeting the demands, the plan for building gas power plant in south Esfahan was launched. The average annual capacity of South Esfahan Power Plant is 5 million and 700 thousand MW/h. The site of this project is in Esfahan Province, km 75 south-west road.



Eslamabad Cooling Tower Project



Power Plants Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Contractor of Construction Operations and Site Building (C)
 Client: Construction and development of MAPNA Combined Cycle Power Plant (Tosse 1)
 Location: Iran-Esfahan Province
 Project Cost: 1,390 billion IRR
 Contract duration: 24 Months

Project Volumes

Concrete Volume: 9,000 m³
 Excavation Volume: 50,000 m³
 Rock clearing: 150,000 m²
 Formwork: 25,000 m²
 Reinforcement: 810 tons
 Steel structures: 220 tons³
 Embankment: 41,000 m³

Project Specification

The hybrid cooling tower reduces evaporation, thus leading in the reducing of both water and electricity consumption. These towers are high and contain precise and exact piping system.

Project Goals

Building the first hybrid cooling in Iran in Eslamabad Power Plant of Esfahan to absorb the heat in the work process

Status of Project

In Progress



Description of Project

Isfahan's IslamAbad power plant is located in a very favorable geographical location. It is located on the edge of ZayandehRood River and near the Qaemiyeh hills. This power plant is located in the southwest of Isfahan and at the beginning of Zob Ahan highway, with an area of approximately 74 hectares. Currently, Isfahan power plant is connected to the country's national electricity grid with five steam units with a nominal power of 835 MW, including two 37.5 MW, one 120 MW and two 320 MW steam units. The Rehabilitating the cooling system of this power plant with a hybrid cooling system is constructed In Iran for the first time to absorb the heat of the work process, which is the one of the goals of this project.

Parhoon Tarh Projects Location



Treatment & Desilination Plants

- Water Treatment Plant, Diversion Dam and Pumping Station for Mes Sarcheshmeh Complex

Mes Sarcheshmeh WTP Diversion Dam & Pumping Station



Treatment Plants Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Contractor as member of Parhoon Tarh-Tool Gostar-Alfasam J.V. (EPC)
Client: National Iranian Copper Industries co.
Consultant Engineer: Jouyabno Consulting Engineers
Location: Iran-Kerman Province
Project Cost: 144 billion IRR
Project Duration: 36 Months

Project Volumes

Earthworks: 90,000 m³
Concrete Volume: 16,000 m³
Formwork: 38,000 m²

Project Specification

Capacity of WTP: 500 liter/s
Pumping station: 2 units
Pipeline: 5 km (600 mm diam.)
Diversion dam: 3 m Height & 32 m width

Project Goals

Environmental protection
Supplement of industrial water through treatment of Shur river water and industrial waste water

Status of Project

Completed

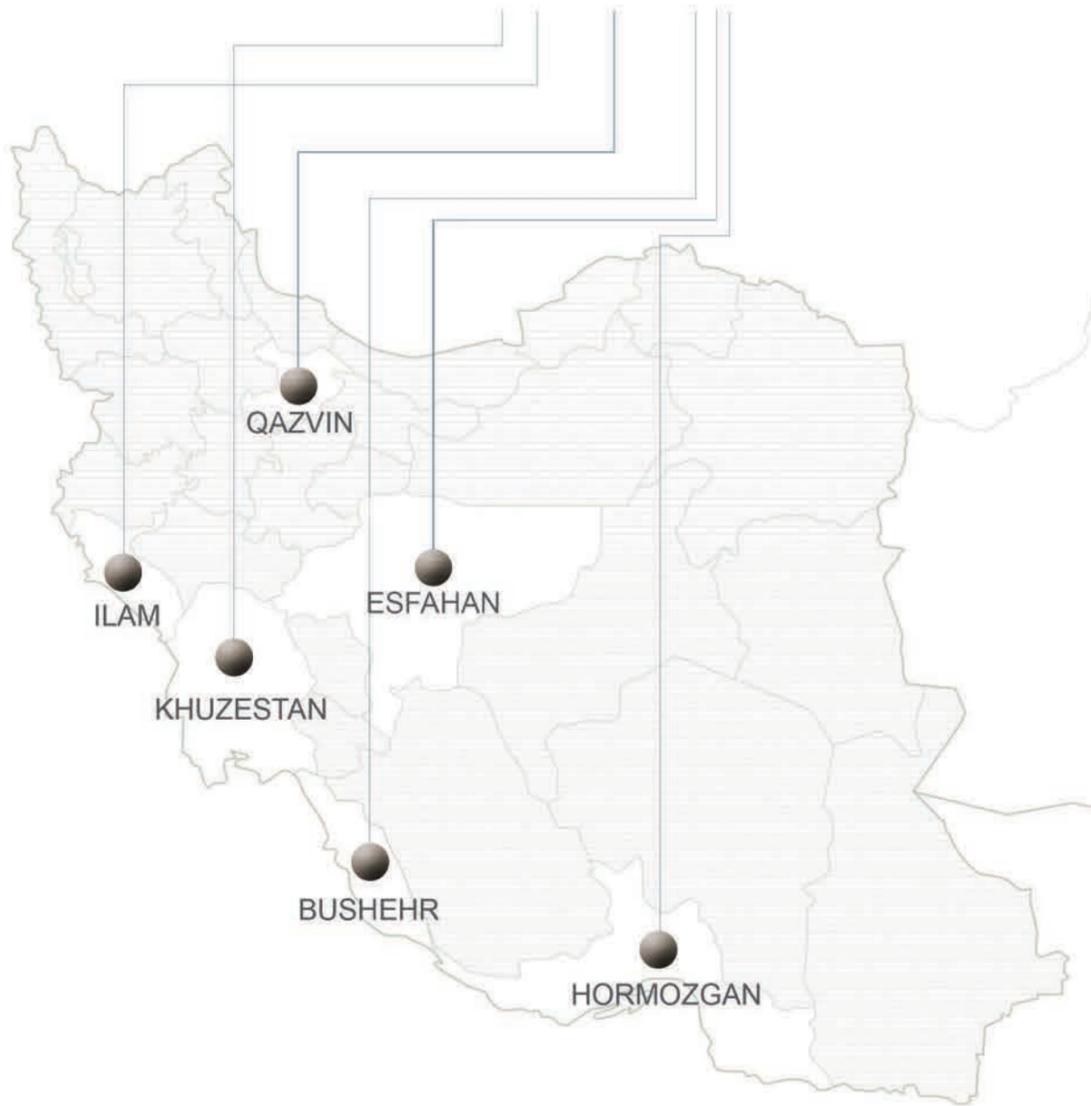


Description of Project

Industrial water partial demand of Mes Sarcheshmeh complex persuaded client to plan the construction of a water treatment plant with capacity of 500 liter/s.
Water transmission from Rafsanjan Shur River was executed by a diversion dam and related treatment system. This J.V was responsible for design, construction, operation and maintenance of all related civil and electromechanical works which fulfilled client satisfaction.



Parhoon Tarh Projects Location



Industrial Projects

- South Pars 13th Phase Industrial Building
- Bandar Abbas Refinery Industrial Buildings
- South Pars 13th Phase Camp Structures and Landscaping
- South Pars 13th Phase Laydown Roofed Warehouse & Landscaping
- South Pars 13th Phase Civil Works and Underground Pipings of Utility Units
- Execution Civil Works for Ahvaz Navard Varagh Project
- Construction & Civil Works of Light Polyethylene Plant Structures and Facilities
- Civil Works for Roadways of the 1st Phase of PCC
- Ilam Cement Extension Project (Including Production Line and Landscaping)
- Erection of Equipment for Jam Petrochemical MEG Unit
- Utility and offsite units of Isfahan's Refinery Industrial Buildings
- Setareh Sabz-e Siraf Refinery
- Pakan Beh Shoo Factory
- Negin Mahestanl Company

South Pars 13th Phase Industrial and Fire Fighting Buildings



Industrial Projects Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Main Contractor (C)
Client: P.P.I (Petro Paidar Iranian) Co.
Consultant Engineer: P.P.I (Petro Paidar Iranian) Co.
Location: Iran-Bushehr Province
Project Cost: 731 billion IRR
Project Duration: 30 Months

Concrete Volume: 37,000 m³
Formwork: 120,000 m²
Reinforcement: 4,500 tons
Excavation Volume: 52,000 m³

Project Specification

Industrial Buildings: 30,000 m² including 10 sub-stations, 1 firefighting, 1 switchgear room, and 1 view gallery

Project Goals

Provision of demanded power for different units of south Pars refinery
Controlling & processing of existing units in the refinery

Status of Project

Completed



Description of Project

13th phase of South Pars with objective of gas extraction for about 2 billion cubic foot is considered as a natural gas condensate field which is located in the Persian Gulf.
This project includes design control, material procurement, and construction of decentralized industrial, View Gallery and Fire fighting buildings. Moreover, installation of all related equipment's is another responsibility of this company.



Bandar Abbas Refinery Industrial Buildings



Industrial Projects Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Contractor as member of Tablieh-Parhoon Tarh J.V. (EPC)
Client: Tehran Jonoob-Bina J.V.
Consultant Engineer: Bina Co.
Location: Iran-Hormozgan Province
Project Cost: 45 million Euro
Project Duration: 24 Months

Project Volumes

Concrete Volume: 80,000 m³
Formwork: 250,000 m²
Reinforcement: 12,000 tons
Excavation Volume: 160,000 m³
Steel structures: 500 tons

Project Specification

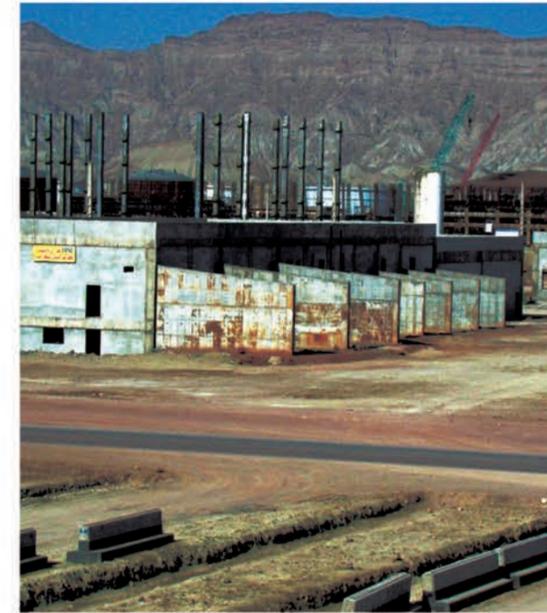
Industrial Buildings: 85,000 m²

Project Goals

Provision of demanded power for different units of Bandar Abbas refinery.
Controlling & processing of existing units in the refinery.

Status of Project

Completed



Description of Project

Bandar Abbas gas condensate refinery is constructed in the southern port city of Bandar Abbas with the objective of producing about 35 million liters of gasoline derived from South Pars gas field. The completion of this refinery will make Iran self-sufficient in gasoline production, and may even provide some export capacity for the country. Parhoon Tarh Company was responsible for execution of civil works required for the industrial buildings in the refinery as an EPC package in Tablieh-Parhoon Tarh J.V.



South Pars 13th Phase Camp Structures and Landscaping



Industrial Projects Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Main Contractor (C)
Client: P.P.I (Petro Paidar Iranian) Co.
Consultant Engineer: P.P.I (Petro Paidar Iranian) Co.
Location: Iran-Bushehr Province
Project Cost: 162 billion IRR
Project Duration: 12 Months

Project Volumes

Sandwich Panel: 40,000 m²
Concrete Volume: 3,000 m³
Steel Structures: 130 tons
Doors & Windows: 2,100 m²

Project Specification

Camp structures area: 12,000 m²
Number of camps: 50 units

Project Goals

Provision of accommodation for human resources.

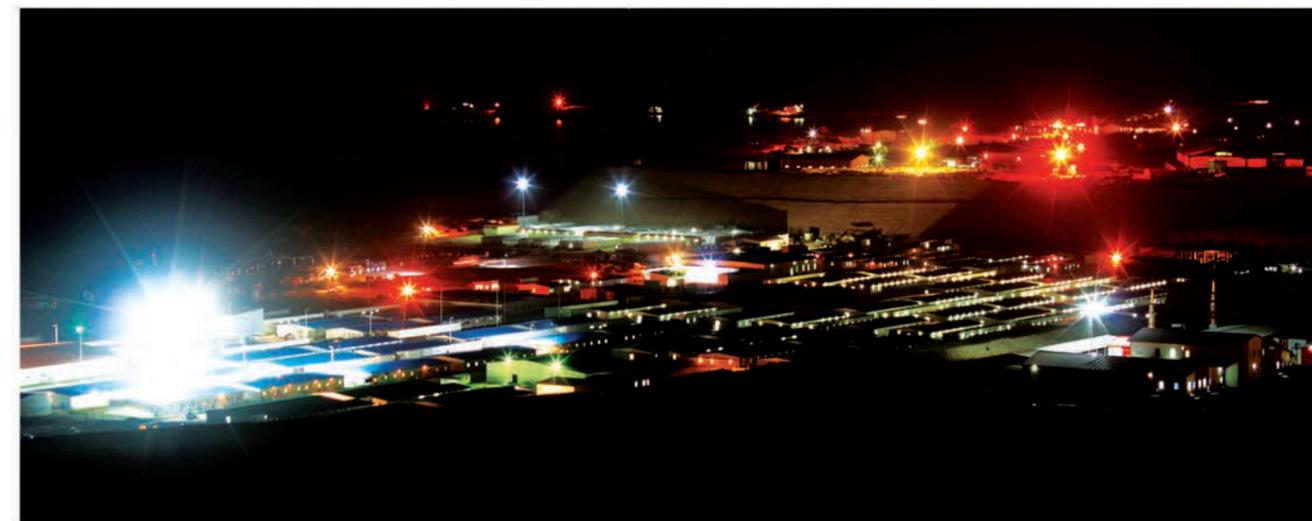
Status of Project

Completed



Description of Project

Regarding demand for provision of accommodation and required facilities for human resources in 13th phase of South Pars, the owner assigned the construction of camps to this company by C type contract. This project includes construction of engineering, management, administration, family dormitories and guard houses. Parhoon Tarh Co.



South Pars 13th Phase Laydown Roofed Warehouse



Industrial Projects Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Main Contractor (C)
Client: P.P.I (Petro Paidar Iranian) Co.
Consultant Engineer: P.P.I (Petro Paidar Iranian) Co.
Location: Iran-Bushehr Province
Project Cost: 97 billion IRR
Project Duration: 8 Months

Project Volumes

Sandwich Panel: 25,000 m²
Concrete Volume: 5,500 m³

Project Specification

Number of warehouses: 16
Total area: 18,000 m²
Height: 9 m

Project Goals

Provision of required warehouses for equipments and materials used in 13th phase of South Pars.

Status of Project

Completed



Description of Project

Construction of these warehouses was started with objectives of storing equipments and materials close to the execution sites. Parhoon Tarh Co. was responsible for execution of all civil, architectural, electrical and mechanical works except steel structures.



South Pars 13th Phase Civil Works and Underground Pipings of Utility Units



Industrial Projects Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Main Contractor (C)
Client: Neyrperse Co. (Mapna Group)
Consultant Engineer: Neyrperse Co. (Mapna Group)
Location: Iran-Bushehr Province
Project Cost: 202 billion IRR
Project Duration: 14 Months

Project Volumes

Excavation Volume: 31,000 m³
Concrete Volume: 14,500 m³
Formworks: 14,000 m²
Reinforcement: 1,470 tons
Piping: 21,000 m

Project Specification

Number of units: 16

Project Goals

Developing of 13th phase of South Pars plan
Extension of underground civil works of utility
units

Status of Project

Completed



Description of Project

This project is defined as Utility Units of 13th phase of the "Southern Pars development plan". Parhoon Tarh is responsible for execution of all civil works and installation of underground piping system. This project in addition to construction of industrial buildings, camps and warehouses of 13th phase has presented this company as an influential firm in Southern Pars.



Execution Civil Workes For Ahvaz Navard Varagh Project



Industrial Projects Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Main Contractor (C)
Client: Khuzestan Foolad Oxin Co.
Consultant Engineer: Fanavar Sanat Madan
Consulting Engineers
Location: Iran-Khuzestan Province
Project Cost: 40 billion IRR
Project Duration: 10 Months

Project Volumes

Concrete Volume: 12,000 m³
Formworks: 17,000 m²
Reinforcement: 1,200 tons
Steel Structures: 90 tons

Project Specification

Total Area: 9,000 m²

Project Goals

Construction of required concrete & steel
structures for machinery & equipments

Status of Project

Completed



Description of Project

Ahvaz Navard Varagh project as an industrial project is located in 10th kilometer of Ahvaz-Bandere Imam Khomeini road.

Construction of 4th part of foundations as well as execution of required concrete structures for machinery and equipment's of the project was awarded to this company as the winner of a tender. All mentioned scopes of works as responsibilities of Parhoon Tarh Co. totally completed in May 2008.



Construction & Civil Works of PE Structures and Facilities



Industrial Projects Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Construction Manager (CM)
Owner: Jam PCC
Client: Naft Gostar Gheshm Co.
Location: Iran-Bushehr province
Project Cost:
150 billion IRR (Main Contract)
10 billion IRR (Parhoon Tarh Portion)
Project Duration: 30 Months

Project Volumes

Concrete Volume: 31,000 m³
Formworks: 64,000 m²
Reinforcement: 3,250 tons
Piping: 19,000 m
Base and sub base material: 12,000 m³
HVAC Equipment: 10 units

Project Goals

Assaluyeh light linear Polyethylene plant is one of the ten largest Olefin plants in the world which produces 300,000 tons of polymers per annual

Status of Project

Completed



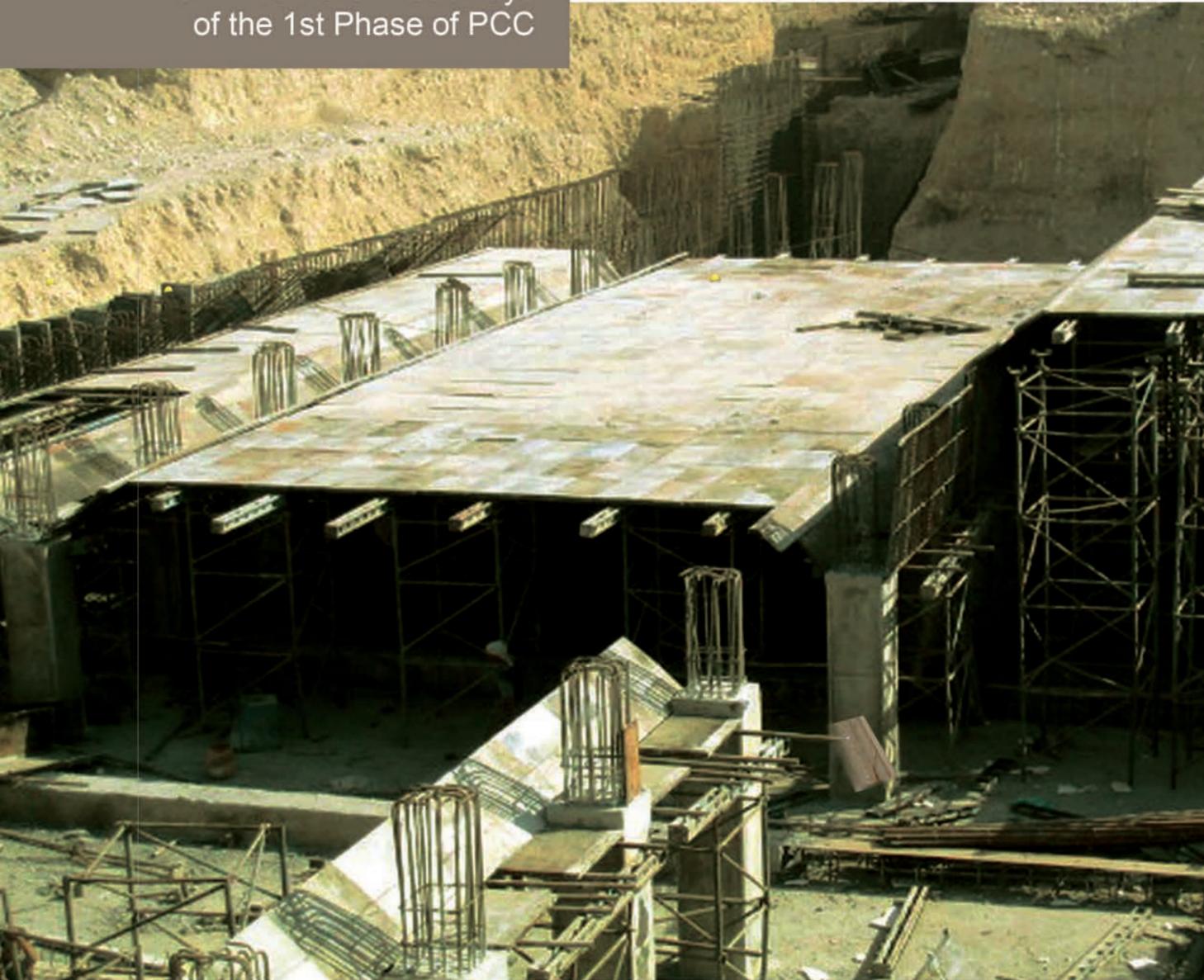
Description of Project

A unit of "Tenth Olefin", Assaluyeh Linear low-density polyethylene (L.L.D.P.E) is situated in Assaluyeh port, Jam petrochemical.

This unit presents capacity of 300,000 tons for Polymeric materials production. Parhoon Tarh Co. was responsible for managing of this contract as the project manager and also full authorized representative of client.



Civil Works for Roadways of the 1st Phase of PCC



Industrial Projects Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Construction Manager (CM)
Owner: National Petrochemical Industries Company
Client: Tablieh Co.
Location: Iran-Bushehr province
Project Cost:
150 billion IRR (Main Contract)
10 billion IRR (Parhoon Tarh Portion)
Project Duration: 32 Months

Project Volumes

Concrete Volume: 60,000 m³
Formworks: 100,000 m²
Reinforcement: 7,000 tons
Excavation Volume: 700,000 m³

Project Goals

Directing floods
Routing and locating the main feed pipes
Provision of access roads and entrances

Status of Project

Completed



Description of Project

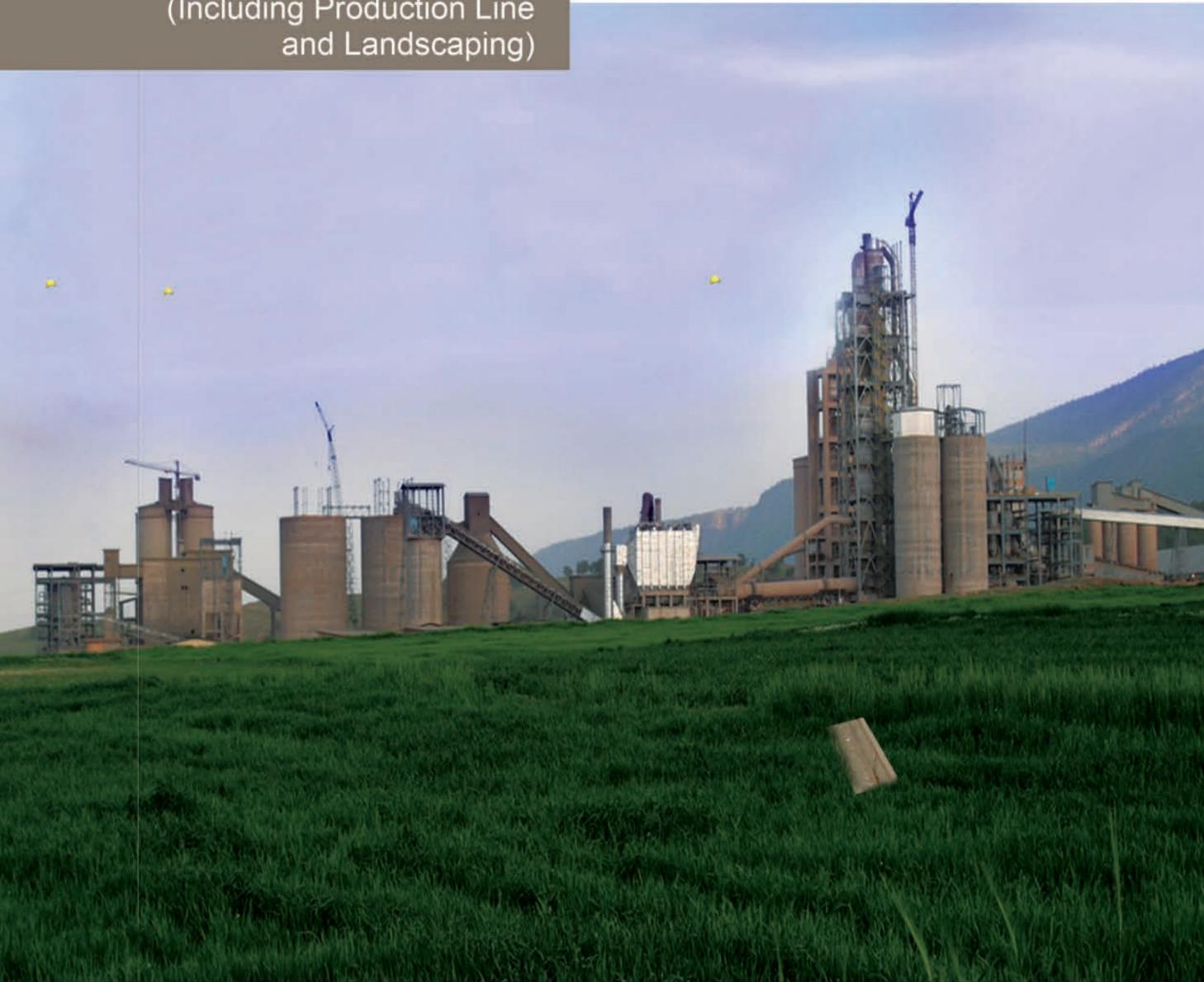
This project is of great importance to define. The main features of the project consist of: directing floods, routing and locating main feed pipes of petrochemical units, providing access roads and entrances for various Petrochemical Units, as well as execution of heavy concrete structures including bridges, water ways, and retaining walls along with the subsidiary activities such as large excavations and associated minor parts.

On the grounds that Tablieh Co., main contractor, had been aware of Parhoon Tarh Co.'s strengths, they introduced one of the board members of Parhoon Tarh Co. as full authorized representative.

Fortunately, Parhoon Tarh Co. had a great performance in this project in that could achieve employers' satisfaction. Consequently, Tablieh Co. stated that "despite the complexity and the special status of this project, structures distribution, frequent changes of plans, and lack of traffic restrictions in Assaluyeh operations, Parhoon Tarh Co. not only successfully accomplish all civil works, but also go well beyond the expected content of agreement."



Ilam Cement Extension Project (Including Production Line and Landscaping)



Description of Project

Located in 15 km from Sar Abeleh city, construction of concrete silos of Ilam cement production line was managed by Parhoon Tarh Co.

Due to the fact that progress of the project was limited because of various prevailing social conditions, thorough an agreement with the National Construction Company (Main Contractor), Parhoon Tarh Co. was appointed as construction management of 5 silos including clinker, raw material, and bypass silos.

Fortunately civil works of all 5 silos have been managed in 7 months with great quality.

Industrial Projects Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Construction Manager (CM)
 Client: National Construction Company
 Owner: Ilam cement company
 Consultant Engineer: Sazeh Andishan Consulting Engineers
 Location: Iran-Ilam Province
 Project Cost:
 160 billions IRR (Main contract)
 10 billions IRR (Parhoon Tarh portion)
 Project Duration: 11 Months

Project Volumes

Concrete Volume: 52,000 m³
 Formworks: 94,000 m²
 Reinforcement: 7,000 tons
 Steel Structures: 3,100 tons
 Excavation Volume: 190,000 m³

Project Specification

Number of silos: 5 Units

Project Goals

Providing the sufficient spaces for storing of cement

Status of Project

Completed



Erection of Equipment For Jam Petrochemical MEG Unit



Industrial Projects Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Construction Manager (CM)
 Client: Naft Gostare Gheshm
 Owner: National Petrochemical Industries Co.
 Location: Iran-Bushehr province
 Project Cost:
 150 billions IRR (Main contract)
 10 billions IRR (Parhoon Tarh portion)
 Project Duration: 14 Months

Project Volumes

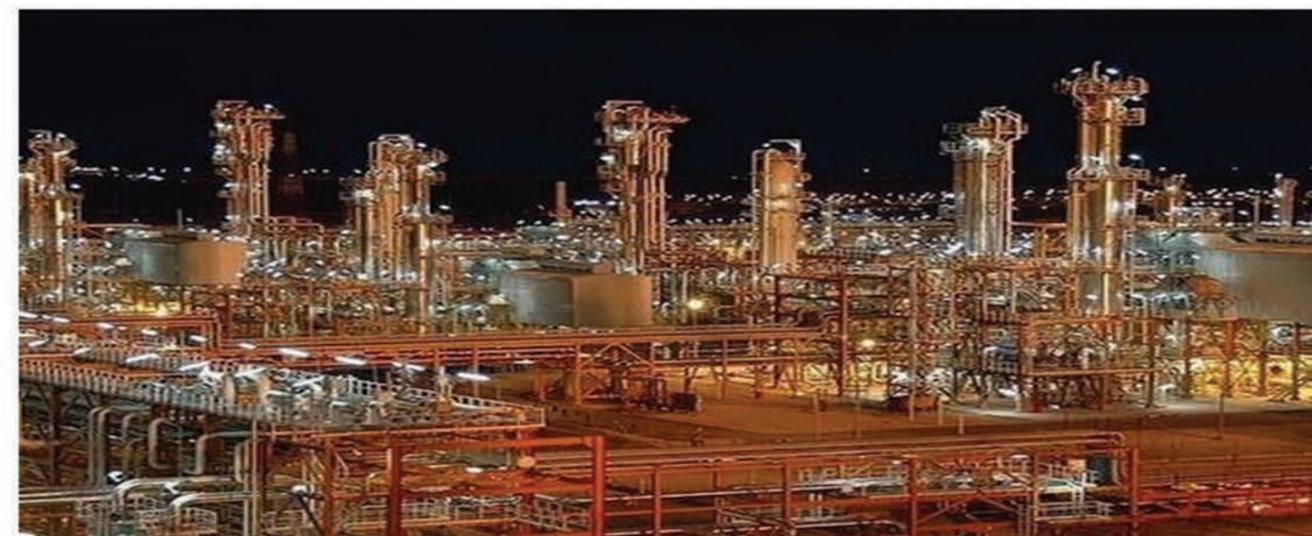
Equipments & materials: 18,800 tons
 Steel Structures: 2,000 tons
 Above ground piping: 200,000 dia-inches
 Electrical cabling: 241 km
 I&C cabling: 182 km
 Insulation: 24,546 m²
 Painting: 72,295 m²

Project Goals

Annual production of 400,000 tons of
 mono ethylene

Status of Project

Completed



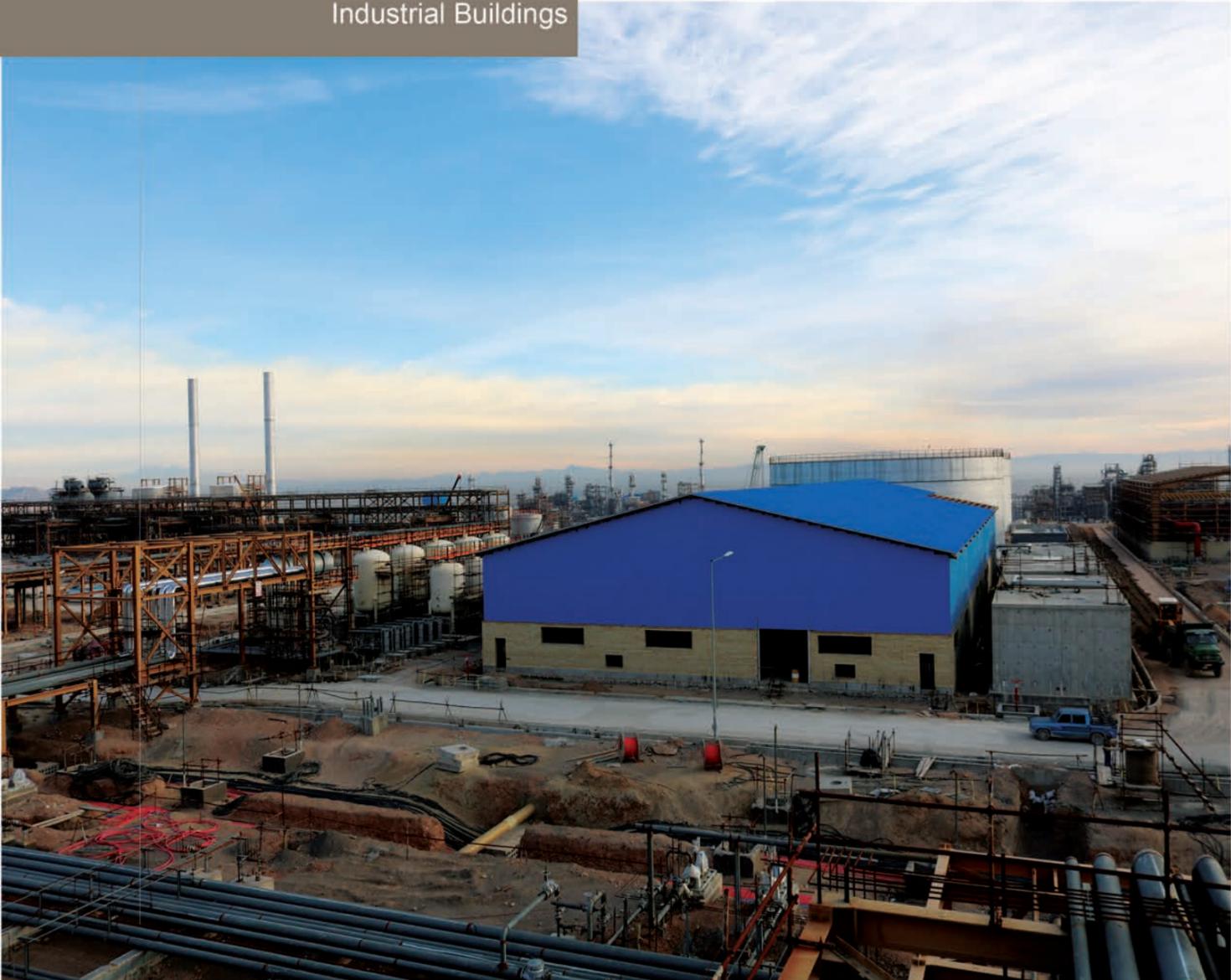
Description of Project

M.E.G Mono ethylene project as one of the (main) plans of Jam petrochemical complex is located in Assaluyeh. Basic engineering & designing of this project was executed by Takni Mont Company, while final design and procurement was completed by Pidec-Takni Mont J.V.

Erection of mechanical equipment's of this complex was awarded to Naft Gostare Gheshm Co. as main contractor.

Parhoon Tarh Co. as full authorized representative of main contractor was responsible for managing of execution process.

Utility and offsite units of Isfahan's Refinery
Industrial Buildings



Industrial Projects
Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Contractor (C)
Client: Oil Design & Construction Co. (ODCC)
Location: Iran-Isfahan Province
Project Cost: 600 billion IRR
Project Duration: 7 months

Project Volumes

Concrete Volume: 30,000 m³
Reinforcement: 3,000 tons
Framework: 30,000 m²
Excavation: 180,000 m³
GRV/GRE/GRP Piping Volume: 53,000 dia-inches

Project Specification

Civil and piping parts of utility and offsite units

Project Goals

Reduce the consumption of refineries
Increase gasoline and improve its quality to acceptable levels.

Status of Project

Completed



Description of Project

Isfahan refinery has developed and upgraded the refinery in order to reduce the consumption of refineries, increase gasoline and improve its quality to acceptable levels. The refinery promotion plan should look at the energy and environmental protection (environmental plan) and the reduction of production costs. We are constructing civil and piping parts of utility and offsite units in the project.



Project Highlights

Role of Parhoon Tarh: Main contractor (C)
Employer: Setareh Sabz-e Siraf Refinery Co
Consultant: Nargan Consultant Engineers Co
Location: Iran-Hormozgan Province
Value of the project: 4,260 billion Rials
Length of the projects: 12 Months

Project Volumes

Concrete Volume: 80,000 m³
Excavation Volume: 600,000 m³
Embankment: 300,000 m³
Reinforcement: 9,000 tons
Formwork: 300,000 m²
Fence: 160 tons
Stone masonry: 15,000 cm³
Prefabricated buildings: 5,000 m²

Project Specification

Construction of refinery with capacity of
120,000 barrels of gas distastes

Project Goals

Preventing raw sales
Creating added value
Job creation
Maximized production of South Pars Gas

Status of Project

Completed



Description of Project

Industrial buildings and civil engineering of Setareh Sabz-e Siraf Refinery Civil and construction operations of Setareh Sabz-e Siraf Refinery in Areas one and two, located in Asalouyeh of South Pars field, declared to this company through tender by Setareh Sabz-e Siraf Refinery Company in December 2020.



Construction and installation of Pakan Beh Shoo Factory



Industrial Projects Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Main contractor (C)
 Employer: Pakan Beh Shoo Company
 Consultant: Zharf Andishan Consultant Engineers Company
 Location: Khoramdasht Industrial City- Qazvin
 Value of the project: 1,260 billion Rials
 Length of the projects: 11 months

Project Volumes

Concrete Volume: 16,000 m³
 Reinforcement: 1,000 tons
 Concrete molds: 12,000 m²
 Steel deck: 88 tons
 Ceramic tiles: 22,000 m²
 Sandwich panels: 48,000 m²

Project Specification

liquid production building: 22,000 m²
 Gel pod production building: 830 m²
 Industrial liquids production building: 600 m²
 Toothpaste production building: 2,400 m²
 Sulfonation building: 4,700 m²
 Warehouse: 16,000 m²
 Passage and power posts: 450 m²
 Engine room: 1,100 m²

Project Goals

Construction of a detergent factory with annual capacity of 420,000 tons

Status of Project

Completed



Description of Project

Construction and civil operations and electrical and mechanical installations of the northern and middle sectors of the construction project of the new detergent factory in Khoramdasht Industrial City- Takestan- Qazvin in May 2020, assigned to Parhoon Tarh Company by Pakan Beh Shoo Company via tender.





Project Highlights

Role of Parhoon Tarh: Contractor of Construction Operations and Site Building (C)
Client: Negin Mahestan Kangan Petrochemical Co
Consultant Engineer: Sazehpardazi Iran
Consultant Engineers
Location: Iran-Boushehr Province
Project Cost: 2,570 billion IRR
Project Duration: 24 months

Project Volumes

Concrete Volume: 30,000 m³
Excavation Volume: 95,000 m³
Formwork: 62,000 m²
Reinforcement: 3,600 tons
Steel Structures: 200 tons
Embankment: 6,500 m³
Subsurface piping system: 29,000 Inch.Dia

Project Specification

Extrusion building: 2800 m²
Extrusion substation building: 650 m²
Additive storage and control room buildings: 400 m²
C-catalyst building: 260 m²
Packaging building: 3500 m²

Project Goals

Construction of industrial buildings, access roads, site buildings, underground/subsurface piping system....in the area of Negin Mahestan Petrochemical Company

Status of Project

In Progress

Description of Project

Negin Mahestan Kangan Petrochemical Company is located in approximately 20 Km southeast Kangan City in Tonbak Region, Boushehr Province, between Cement Plant and phase 12 of Gas Field Development Plan of South pars Special Economic Zone, Kangan Petrochemical Complex. The project of Negin Mahestan Petrochemical Company includes supplying the necessary materials, and executing the civil development, site and access road buildings, construction of the foundation and concrete structures, industrial buildings consisting of three packaging building, extrusion, co-catalyst, and electronic, and safety facilities related to it, subsurface piping system; and earthing system in both the heavy and linear light polyethylene production units.



Parhoon Tarh Projects Location



Urban Railway Projects

- Isfahan Jaber Railway Station
- Shiraz Urban Railway Central Depot
- Isfahan Takhti Railway Station
- Shiraz Forsat Railway Station

Isfahan Jaber Railway Station



Urban Railway Projects Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Main Contractor (C)
Client: Isfahan Urban Railway Organization
Consultant Engineer: Badband Consulting Engineers
Location: Iran-Isfahan Province
Project Cost: 80 billion IRR
Project Duration: 23 Months

Project Volumes

Concrete Volume: 15,000 m³
Formwork: 25,000 m²
Reinforcement: 2,000 tons
Earthworks: 70,000 m³
Steel Works: 120 tons

Project Specification

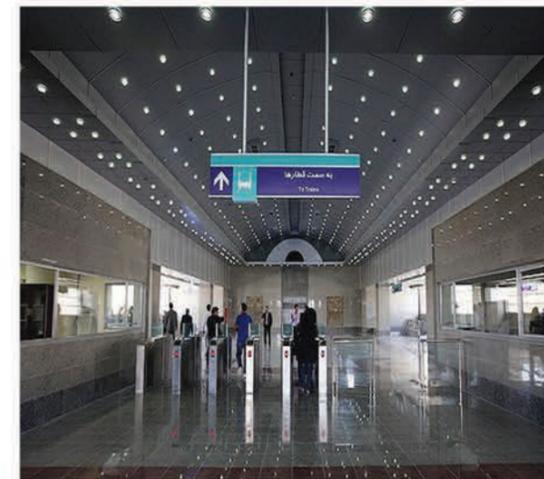
Total Area: 7,000 m²
Method statement: Open trenches excavation and provision of stability

Project Goals

Development of urban railway plans in Isfahan city regarding fundamental demands of public transformation

Status of Project

Completed



Description of Project

Jaber station as one of the main stations of Isfahan urban railway plan is situated in a space with some area about 4,000 m². Architectural aspects of this station is designed in two floors including top floor as the ticket hall with equipment spaces and bottom floor in which platforms of stations and other equipment's are located. Structure of this station is a combination of concrete wall in the bottom floor and a mat foundation where the top floor is executed on with a combination of concrete beams and columns. Parhoon Tarh Co., the main contractor, was responsible for execution of all civil, electrical, and mechanical works of the project.



Shiraz Urban Railway Central Depot



Urban Railway Projects Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Main Contractor (C)
Client: Shiraz Urban Railway Organization
Consultant Engineer: Itsen Consulting Engineers
Location: Iran-Fars Province
Project Cost: 114 billion IRR
Project Duration: 15 Months

Project Volumes

Concrete Volume: 15,000 m³
Formwork: 20,000 m²
Reinforcement: 350 tons
Excavation Volume: 70,000 m³
Steel Structures: 750 tons
Landscaping: 6,000 m²

Project Specification

Depot Area: 19,000 m²

Project Goals

Provision and extension of storage spaces for Shiraz railway project

Status of Project

Completed



Description of Project

This central depot which is located in Shiraz city includes several buildings such as a view hall, a washing hall, an administration building, parking spaces, stores, power posts, etc. The whole work scopes of the contract including all civil, electrical, and mechanical activities were completely done by Parhoon Tarh Co. as the main contractor.



Isfahan Takhti Railway Station



Urban Railway Projects Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Main Contractor (C)
Client: Isfahan Urban Railway Organization
Consultant Engineer: Naghsh Jahan Talash
Consulting Engineers
Location: Iran-Isfahan Province
Project Cost: 286 billion IRR
Project Duration: 24 Months

Project Volumes

Concrete Volume: 19,000 m³
Formwork: 22,000 m²
Reinforcement: 1,500 tons
Steel Structures: 190 tons



Project Specification

Method statement: Top to bottom

Project Goals

Development of urban railway plans in Isfahan city regarding the fundamental demands of public transformation.

Status of Project

Completed



Description of Project

Takhti station as one of the major stations of Isfahan urban railway plan is situated at the Takhti intersection in Isfahan.

This contract was awarded to this company due to previous experiences in this field. Parhoon Tarh Co. is responsible for execution of all remained civil, electrical, and mechanical works of project as the main contractor.



Shiraz Forsat Railway Station



Urban Railway Projects Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Main Contractor (C)
Client: Shiraz Urban Railway Organization
Consultant Engineer: Pardaraz Consulting Engineers
Location: Iran-Fars Province
Project Cost: 318 billion IRR
Project Duration: 16 Months

Project Volumes

Concrete Volume: 19,000 m³
Formwork: 18,000 m²
Reinforcement: 2,900 tons
Steel Works: 760 tons
Piling: 1,220 m

Project Specification

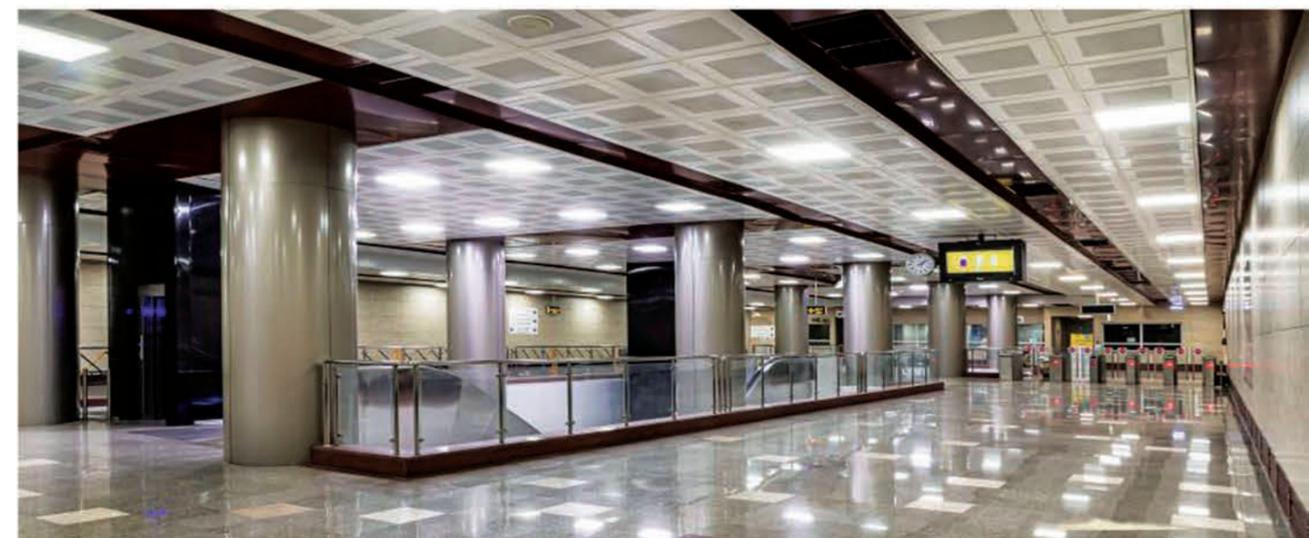
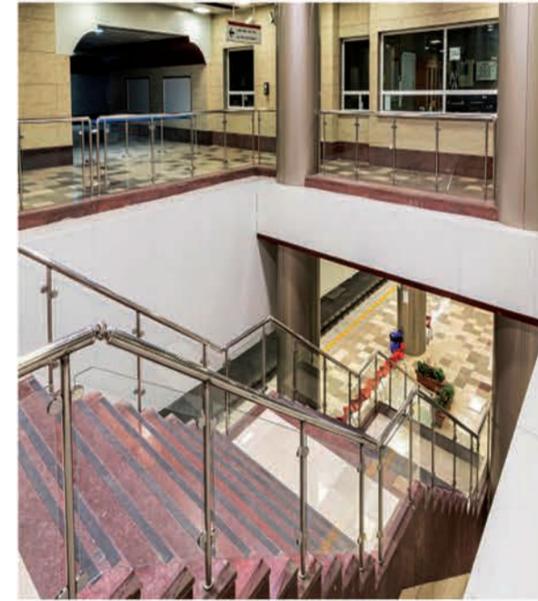
Method statement: Bottom to top

Project Goals

Development of urban railway plans in Shiraz city regarding the fundamental demands of public transformation.

Status of Project

Completed

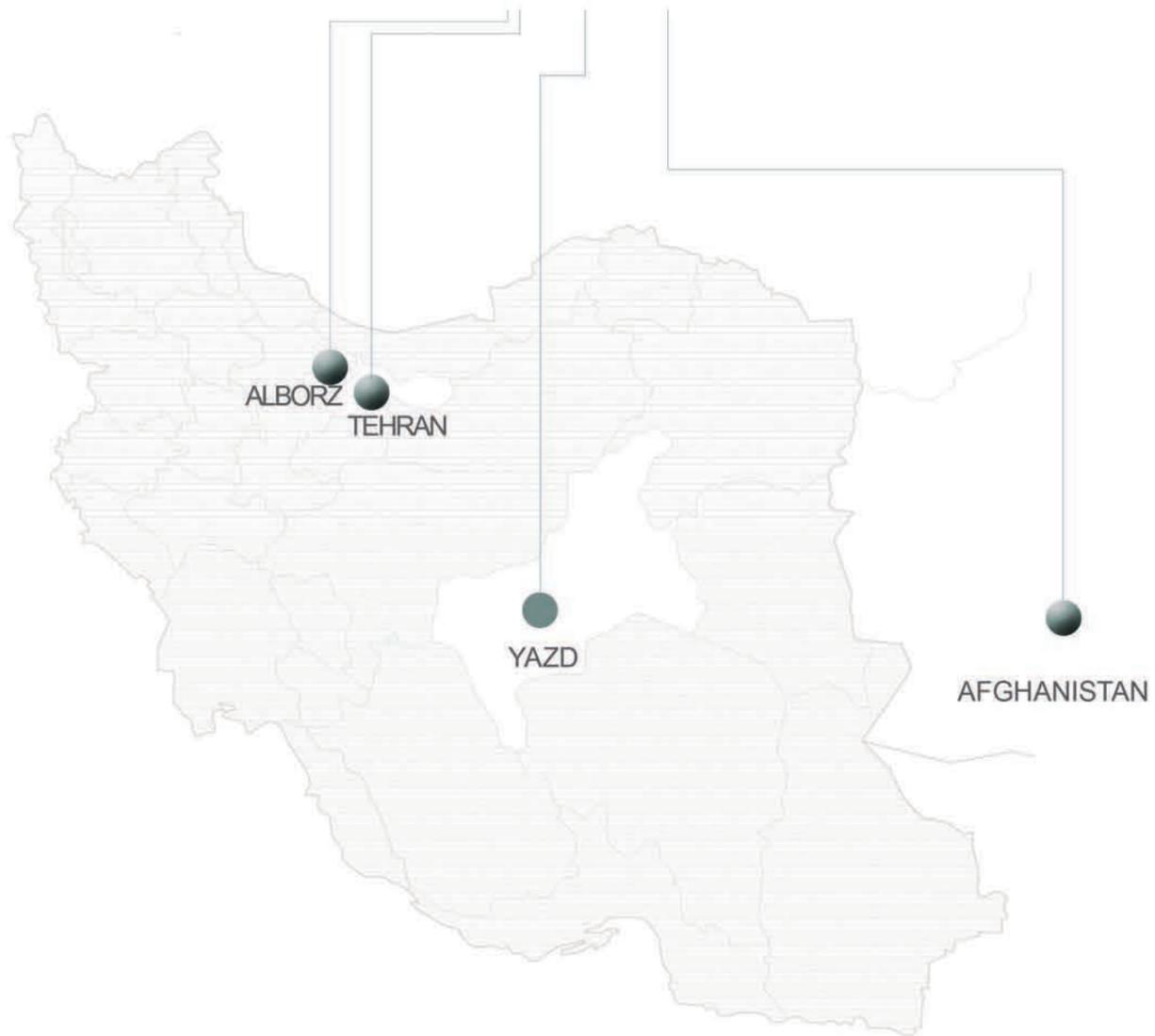


Description of Project

Construction of 3rd station of Shiraz urban railway project (Forsat station), which is one of the stations on first line of Shiraz subway, was awarded to Parhoon Tarh Co. as the main contractor.

This company is responsible for execution of all remained works including civil, architectural, mechanical and electrical activities. Due to urgent situation of this project, this company has based the time schedule on 3 shifts of working times in order to complete work scopes as soon as possible.

Parhoon Tarh Projects Location



Buildings

- Twin Tower of TCI
- Malard Residential Complex
- Pardis Sonbol Residential Complex
- Yazd Fruit and Vegetables Complex
- National Customs Academy of Kabul

Twin Tower of Telecommunication Company of Iran



Buildings Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Main Contractor
Client: Iran Telecommunication Company
Fajr-e-Tosea Consulting Engineers Co.
Location: Tehran-Iran
Project Cost: 2,800 billion IRR
Project Duration: 36 Months

Project Volumes

Stabilization: 13,000 m²
Piling: 19,000 m
Concrete Volume: 90,000 m²
Frameworking: 150,000 m²
Reinforcement: 75,000 tons
Anti-Fire Painting: 17,000 m²

Project Specification

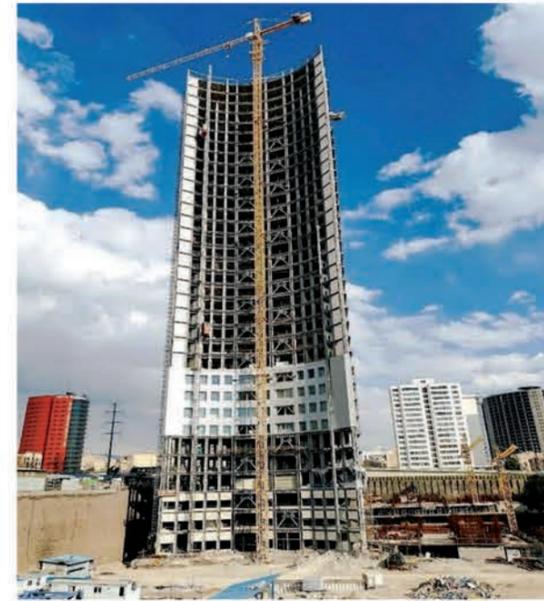
Height of each tower: 158 m from ground
No of floors for each tower: 34
Type of Roofing: Metal Deck
Type of Structure: Steel structure
Area if each tower: 52,000 m²
Total Area: 196,000 m²

Project Goals

Providing office spaces, classers, document archives, store, conference rooms, restaurants and other requirement of Telecommunication Co. of Iran

Status of Project

In Progress



Description of Project

TCI company's headquarters and subsidiaries is located in the North West Region of Tehran on the south side of Hemmat highway near by Sheikh Bahai Avenue. The project includes two 34 story towers and a multi-story parking , twin towers are exactly the same in structures and each one has 4 stories underground and 30 stories above Among all experienced and reputable contractors Parhoon Tarh approved in the tender in June 2012 and was introduced as main contractor.



Malard Residential Complex



Description of Project

Malard residential complex project is located in a land with area of 76,000 m² on the opposite side of Malard municipality. First phase of this complex is designed in 6 diverse blocks.

This company as an EPC contractor has utilized tunnel form working system for its high speed performance in order to industrialize the concrete frame of residential buildings. In this method, the load bearing shear walls of each story are poured simultaneously with the roof of the floor.

High speed and easy performance are the major benefits of this method in comparison with classic ones. Parhoon Tarh Co. is responsible for architectural and structural design as well as execution of all civil, mechanical, and electrical works.



Buildings Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Contractor (EPC)
Client: Omran & Maskan Sazeh Paydar (Mehr Derakhshan) Co.
Consultant Engineer: Ateck & Tavan J.V.
Location: Iran-Alborz Province
Project Cost: 650 billion IRR
Project Duration: 22 Months

Project Volumes

Concrete Volume: 80,000 m³
Reinforcement: 7,000 tons
Formwork: 492,000 m²

Project Specification

Total area of buildings: 140,000 m²
Capacity: 1272 units
Number of blocks: 25
Number of floors: 5 to 11

Project Goals

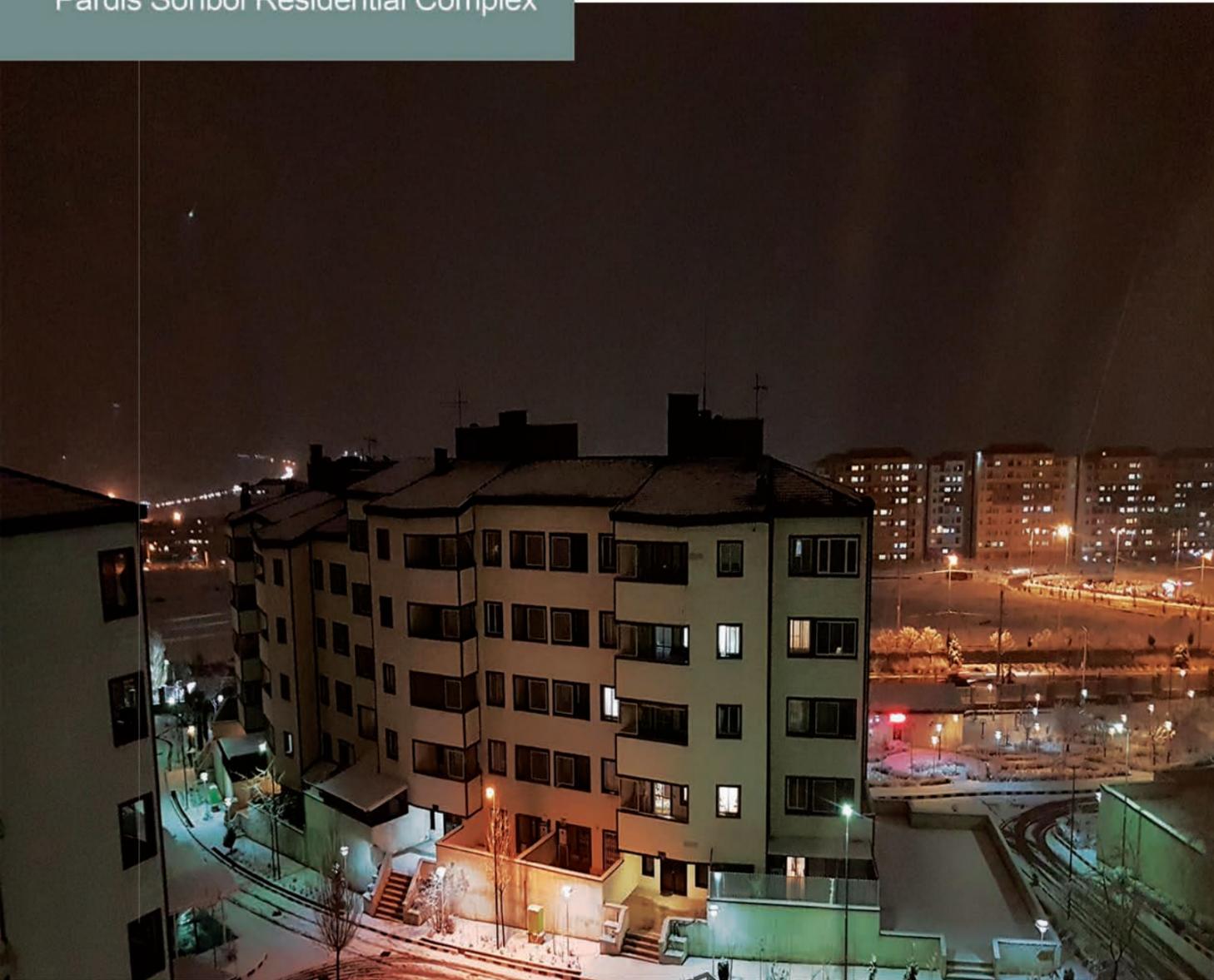
Provision of living accommodation

Status of Project

Completed



Pardis Sonbol Residential Complex



Buildings Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Main Contractor (C)
Client: Pardis Housing Investment Company
Consultant Engineer: Pardis Housing Investment Company
Location: Iran-Tehran Province
Project Cost: 66 billion IRR
Project Duration: 12 Months

Project Volumes

Concrete Volume: 30,000 m³
Reinforcement: 500 tons
Formwork: 20,000 m²
Steel Works: 4,000 tons

Project Specification

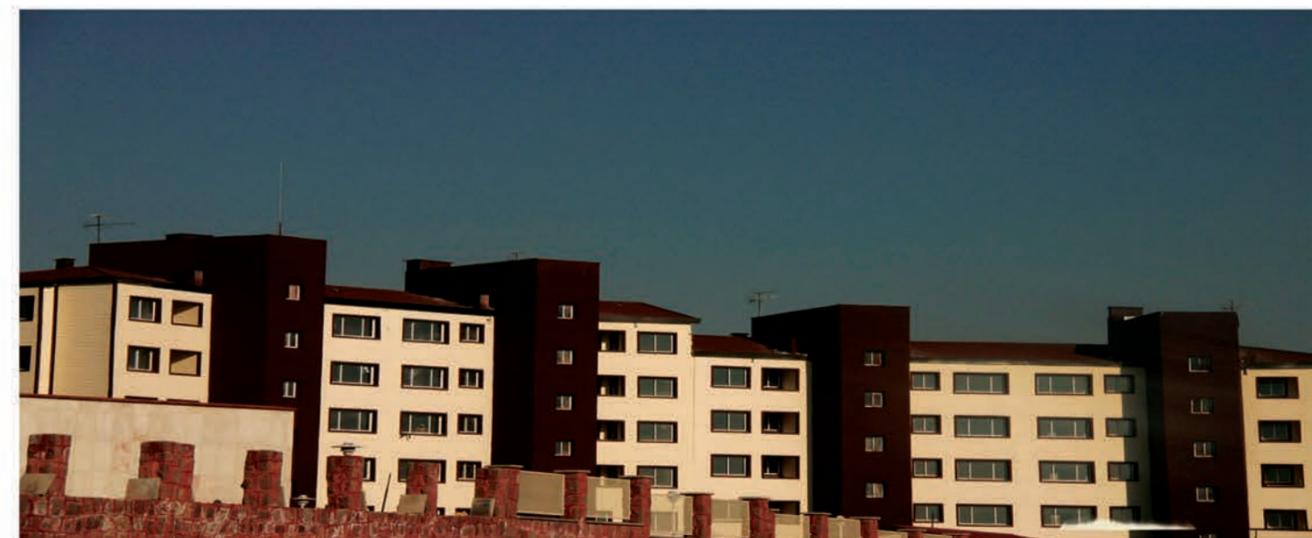
Total area of buildings: 45,000 m²
Capacity: 498 units
Number of blocks: 15

Project Goals

Provision of living accommodation

Status of Project

Completed



Description of Project

Pardis residential complex project with capacity of 498 units considered as one the biggest plans of PHI Co. is located in some 25 km form east of Tehran in new city of Pardis. This project with the main purpose of housing a large number of people, benefits of the Stud Panel system which is well known for its light weight leading to lower costs and time. The earthquake resistance system is provided with shear walls by constructing a 3*5 concrete box around stairs leveled up to 20 meters. Parhoon Tarh Co. was responsible for execution of all civil works in the project including steel structure as well as concrete shafts.

Yazd Fruit and Vegetables Complex



Buildings Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Main Contractor (C)
Client: Omran Maskan Sazeh Paydar Co.
Consultant Engineer: Sharbom Consulting Engineers
Location: Iran-Yazd Province
Project Cost: 144 billion IRR
Project Duration: 18 Months

Project Volumes

Concrete Volume: 9,000 m³
Reinforcement: 800 tons
Formwork: 11,000 m²
Steel Structures: 2,000 tons
Landscaping: 16,000 m²

Project Specification

Total area of buildings: 40,000 m²

Project Goals

Enhancing life facility and improving individual's access to healthy foods, fresh fruits, vegetables, etc.

Status of Project

Completed

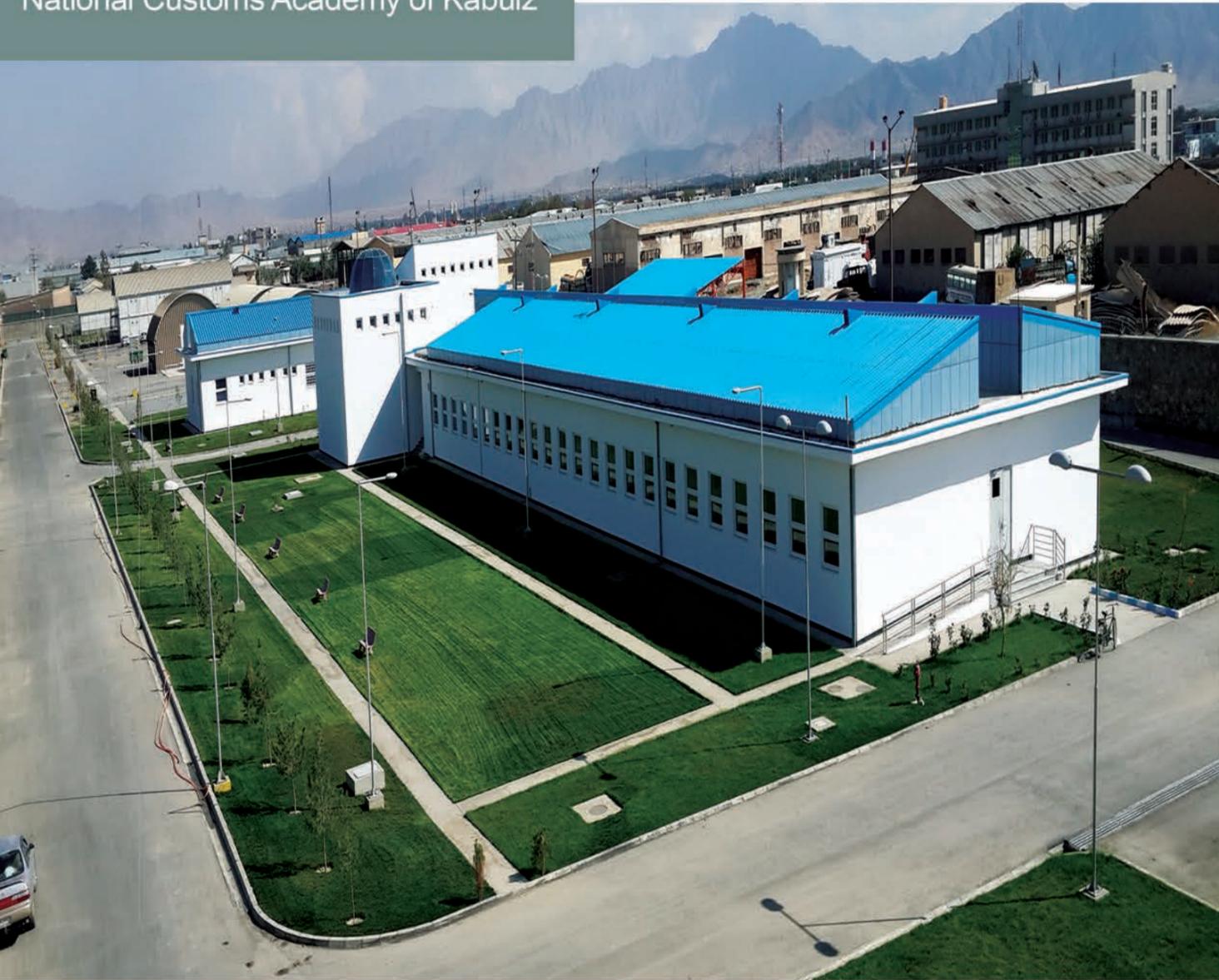


Description of Project

This project includes procurement and execution of all civil, electrical, and mechanical work scopes related to phase F of Yazd fruit and vegetable complex which was awarded to this company after tender process.

The whole project is divided into several amenities such as an administration, restaurants, eastern & western markets, one mosque, hotels, services, etc. mainly with steel structures. Parhoon Tarh co. is responsible for execution of all related civil works for phase F of the main plan.

National Customs Academy of Kabulz



Buildings Parhoon Tarh



Project Highlights

Role of Parhoon Tarh: Main Contractor (C)
Client: The European Union
Consultant Engineer: Sim S.pA Co.
Location: Kabul, Afghanistan
Project Cost: 3 million Euro
Project Duration: 18Months

Project Volumes

Excavation Volume: 7,000 m³
Concrete Volume: 2,000 m³
Formworks: 11,000 m²
Steel Structures: 3 tons
Reinforcement: 110 tons
Landscaping: 8,000 m

Project Specification

Total area of administrative buildings: 600 m²
Total area of didactic buildings: 1600 m²
Type of Structure: Concrete structure

Project Goals

Organization and training of Customs Service Personnel in Afghanistan.

Status of Project

Completed

Description of Project

National Customs Academy in Kabul, Afghanistan project aims to organize the customs service in Afghanistan as well as personnel training. This project is financed by Europe Union. After being qualified in both experience and technical criteria. Parhoo Tsrh took part in the biding process and due to its highlighted history in similar project and financial proposal has achieved the award if this project.Parhoon Tarh is Responsible for of all structural, architectural, mechanical and electrical design of the project.



Parhoon Tarh Projects Location



Tunnels & Roads

- Isfahan 230 KV Cable Tunnel
- Access Road to Seymareh Hydropower Plant
- Uma Oya Multipurpose Project

Isfahan 230 KV Cable Tunnel



Tunnels & Roads Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Contractor as member of Tablieh-Parhoon Tarh J.V. (EPC)
Client: Isfahan Regional Power Company
Consultant Engineer: Farbar Consulting Engineers
Location: Iran-Isfahan Province
Project Cost: 306 billion IRR
Project Duration: 30 Months

Project Volumes

Concrete Volume: 11,000 m³
Reinforcement & Steel works: 1,200 tons
Formwork: 43,000 m²
Excavation: 40,000 m³

Project Specification

Length of tunnel: 4.6 km
Tunnel outer diameter: 3.00 m
Tunnel inner diameter: 2.44 m

Project Goals

Power transmission network of Isfahan
Carrying 230 KV cables from the first Islam Abad power plant

Status of Project

Completed

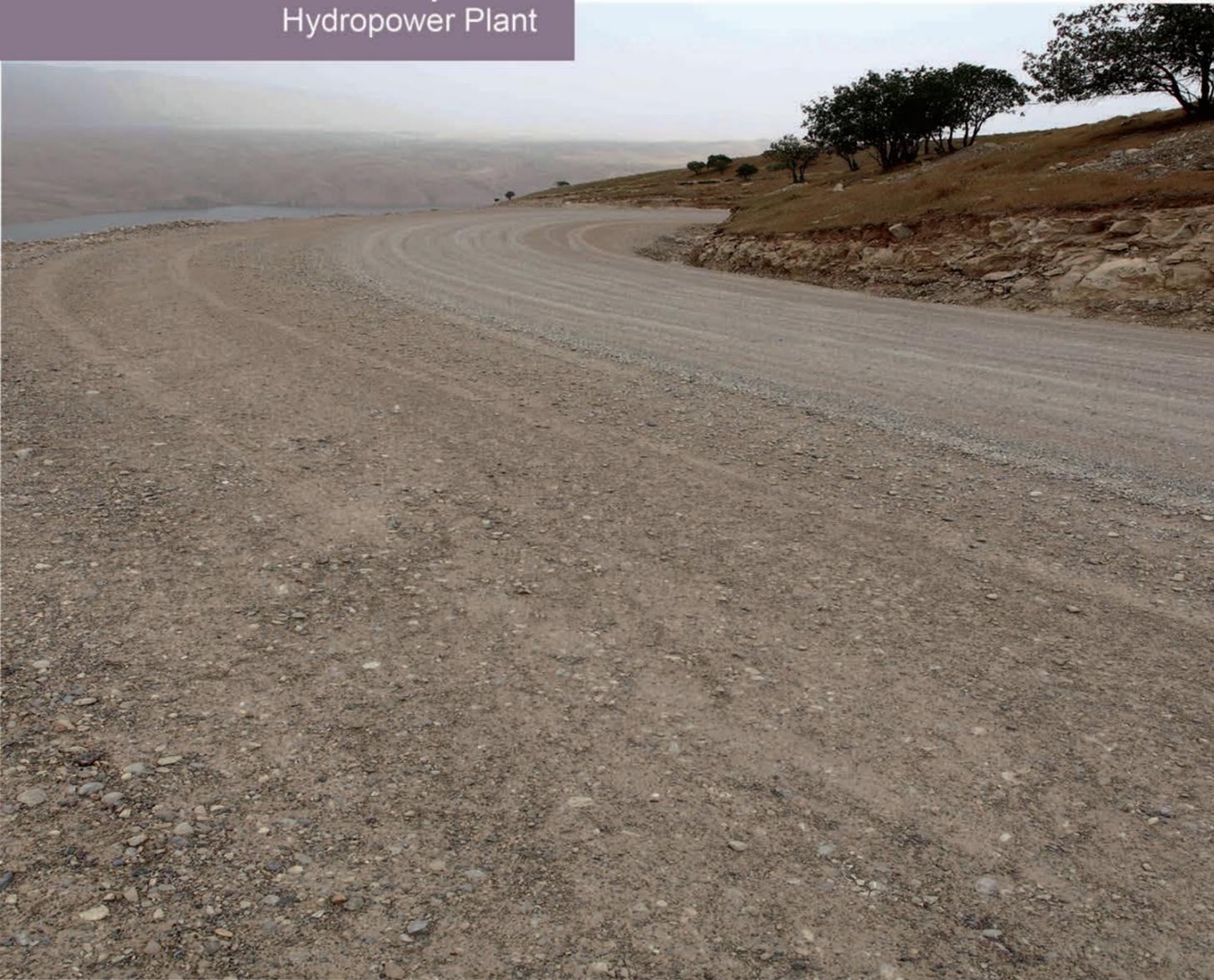


Description of Project

The contract of this project consists of designing and construction of 230 KV cable tunnel located between Isfahan university and Taleghani post with total length of 4,600 m. Designing and construction of this project includes tunnel construction with ventilation shaft of inauguration time, procurement, delivery, erection and operation of the electrical and mechanical equipment's of inauguration time that will be done by contractor. It was concluded to implement a TBM due to high speed and great performance of this machine, critical location of the project in addition to traffic congestion problems. Parhoon Tarh Co. is responsible for all related works in a framework of an EPC contract, which was awarded to Tablieh-Parhoon Tarh J.V.



Access Road to Seymareh Hydropower Plant



Tunnels & Roads Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Contractor as member of Tablieh-Parhoon Tarh J.V. (EPC)
Client: Iran Power and Water Development Company
Consultant Engineer: Mahab Ghods Consulting Engineers
Location: Iran-Ilam Province
Project Cost: 160 billion IRR
Project Duration: 20 Months

Project Volumes

Embankment: 300,000 m³
Excavation: 1,200,000 m³ (In Rock)
Masonry: 30,000 m³

Project Specification

Length of road: 11 km
Width of road: 15 m
Bridges & Walls: 30 Nos.

Project Goals

Providing the possibility of accessing to the main site of the Seymareh Hydropower plant

Status of Project

Completed

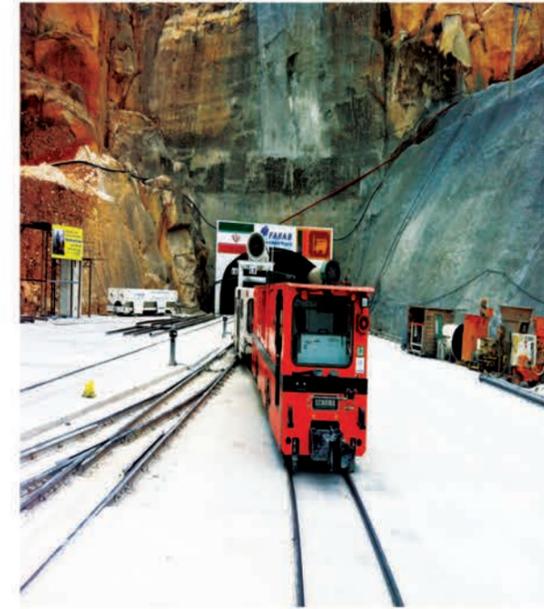


Description of Project

The scope of works for this contract includes all civil and related tasks in order to construct the access road of the Seymareh hydro power plant.



Uma Oya Headrce Tunnel



Tunnels & Roads Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Contractor (C)
Client: Farab Company
Consultant : Amberg Engineers
Location: Sri Lanka
Cost: 36 million USD
Project Duration: 25 Months

Project Volumes

Concrete Volume: 1,000 m³
Excavation Volume: 222,000 m³

Project Specification

Length of tunnel: 15.2 km
Tunnel outer diameter: 4.3 m
Tunnel inner diameter: 3.8 m

Project Goals

Construction of Headrace Tunnel 15 km length of the Uma Oya Multipurpose Development Project in Sri Lanka by mechanized method

Status of Project

Completed

Description of Project

The Uma Oya Multipurpose development project is a water transfer, hydropower and irrigation project in the south Eastern part of the central highland region of srilanka. The main part of the schene is situated in the south western part of the Badulla district in the province of Oya.

The project will transfer annual long term average water quantity of 145 mcm for irrigation purpose and will develop a head of a more than 700 m for the production of electricity in a power plant with rated capacity of about 120 mv.

The Project Consists Of Two Rcc Dams.The Frist One is TO be Built on Uma Oya River at Puhulpola Region. The Water from Uma Oya Riverabe linked through an approximately 3.7 km long link tunnel (further called conveyance tunnel) into the reservoir of the draaba dam built on mahatoillaoya river. from where an approximately 15.2 km long headrace tuunnel and 595 m high vertical shaft willconvey water to the underground powerhouse. The discharge from the powerhouse will be directedinto alikotaoya River Through an approximately 3.6 km long tailrace tunnel, Which is tributary of kirindioya River.

Uma Oya Underground excavation



Tunnels & Roads Parhoon Tarh

Project Highlights

Role of Parhoon Tarh: Contractor (C)
Client: Farab Company
Consultant: Mahtab Ghodds Consultatant
Location: Siri Lanka
Cost: 6 million USD
Project Duration : 7 Months

Project Volumes

Concrete Voloume: 4,750 m³
Steel Structures: 235,270 kg
Formwork: 4,000 m²
Excavation Volume: 25,000 m³

Project Specification

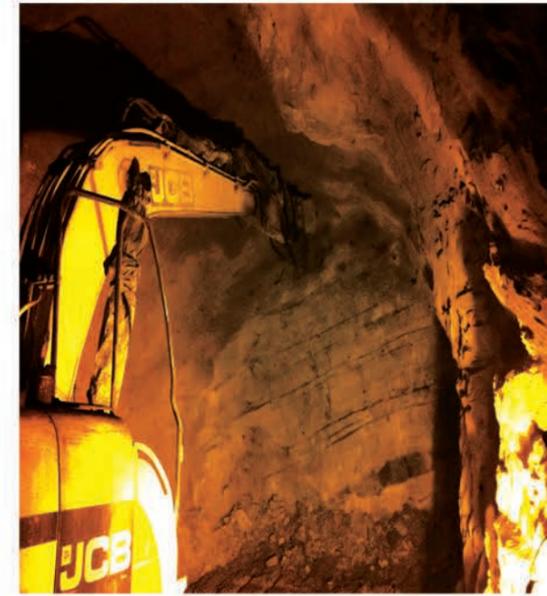
Length of tunnels: 750 m
VCA Tunnel diameter: 2.55 m
LHT Tunnel diameter: 2.15 m
LC Tunnel diameter: 2.15 m

Project Goals

Construction of some spaces for installations and fittings in order to transfer water from Headrace Tunnel to Powerplant

Status of Project

Completed



Description of Project

The Uma Oya Multipurpose development project is a water transfer, hydropower and irrigation project in the south Eastern part of the central highland region of srilanka. The main part of the scheme is situated in the south western part of the Badulla district in the province of Qya.

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