

PETROSAHEL

Est

Execution of

Marine, Civil and

Industrial Project

Offshore construction



Current projects
Offshore construction

Iran LNG Project (Package III) Marine Facilities

Project Description: Construction of Marine Facilities in Tomback District for Exporting Liquid Gas

Type of Project: EPC

Client: Iran's Liquefying Natural Gas Company (ILC)

Client's Consultant: TNA Consulting Engineers

Contractor's Consultants:

Sahel Consulting Engineers (from Iran)

Royal Haskoning (from England)

Total Amount: 1,517,408,612,000 Rials

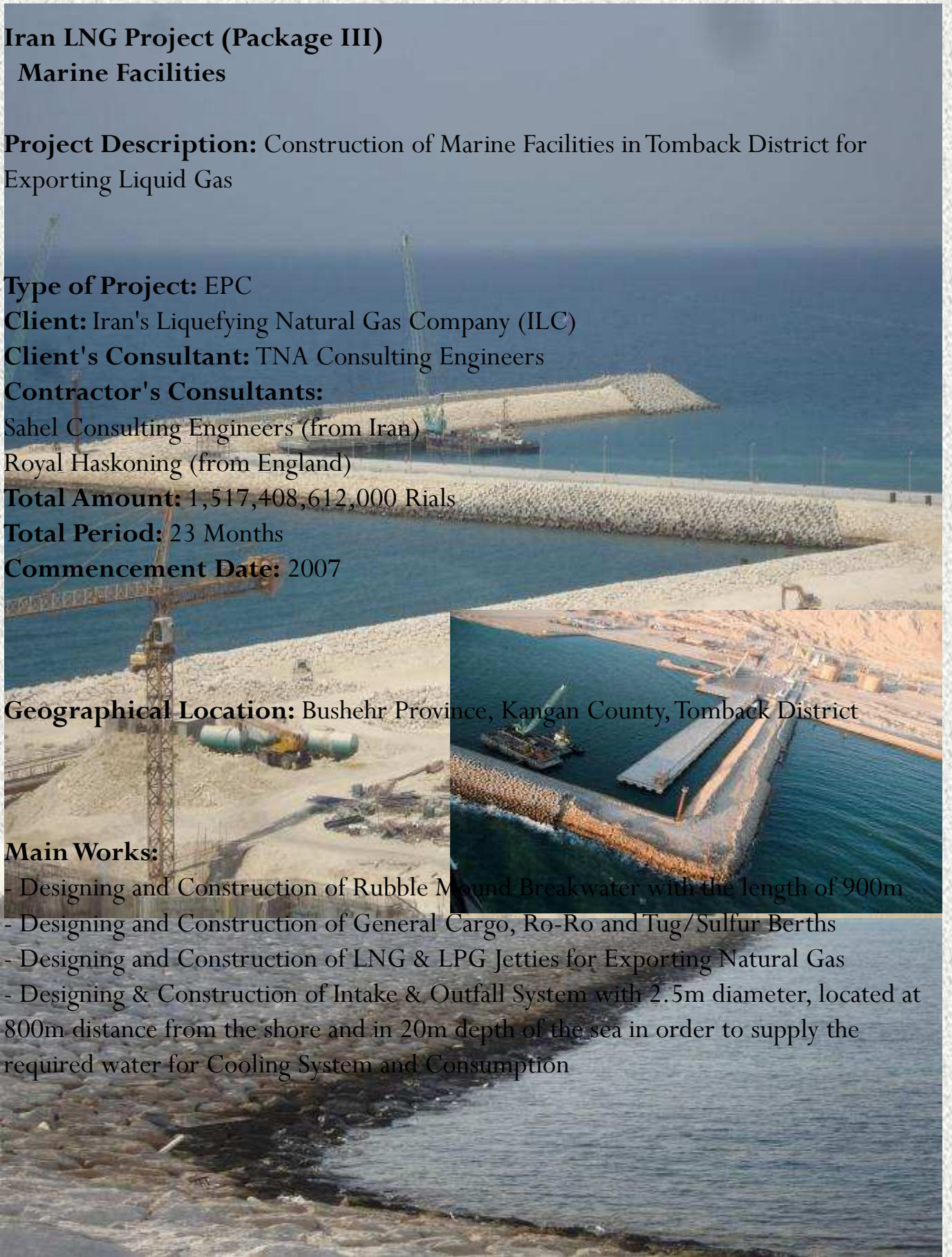
Total Period: 23 Months

Commencement Date: 2007

Geographical Location: Bushehr Province, Kangan County, Tomback District

Main Works:

- Designing and Construction of Rubble Mound Breakwater with the length of 900m
- Designing and Construction of General Cargo, Ro-Ro and Tug/Sulfur Berths
- Designing and Construction of LNG & LPG Jetties for Exporting Natural Gas
- Designing & Construction of Intake & Outfall System with 2.5m diameter, located at 800m distance from the shore and in 20m depth of the sea in order to supply the required water for Cooling System and Consumption





Caspian Break Water Project in the Caspian port Complex

Project Description: Construction of East Break Water

Type of Project: pc

Client: Anzali trade and industrial free zone organization

Total Amount: 18Milion Euro

Total Period: 36 Months

Construction Date: 2010


Geographical Location: Anzali trade and industrial free zone- bandar Anzali-Gilan

Main Works:

- Construction of main Breakwater with the length of 2700m
- Construction of minor Breakwater with the length of 500m
- Concrete Blocks with the volume of 109250m³



Finished projects
Offshore construction



Pars Service Port Project - Breakwaters Construction

Project Description:

Design Optimizing and East/West Breakwaters Designing, Construction of East Breakwater, West Breakwater Reclamation, Dike Construction for the Berth and Reclamation of the Area behind the Dike and Construction of Tank Farm's Dike for Pars Service Port

Type of Project: EPC

Client: Ministry of Oil, Pars Special Economic Energy Zone Company

Client's Consultant: TNA Consulting Engineers

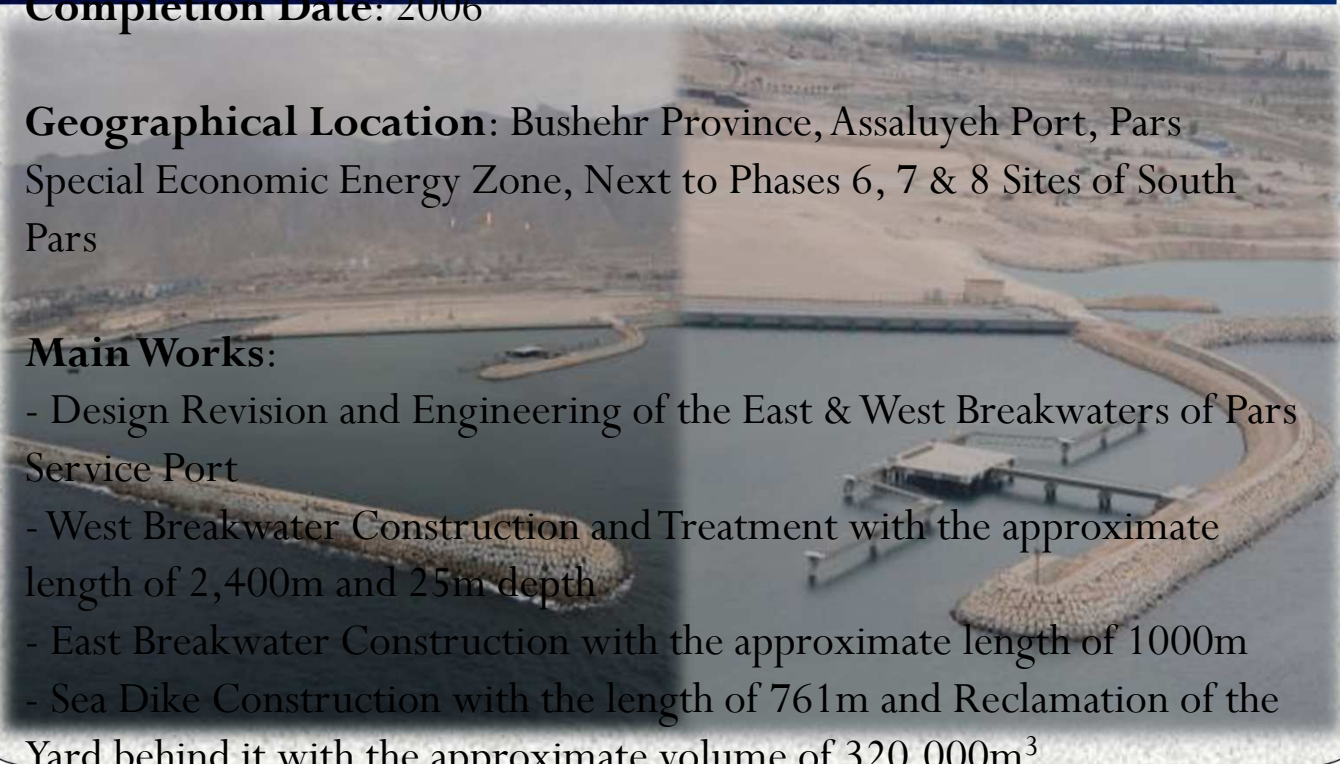
Contractor's Consultant: Sahel Consulting Engineers

Total Amount: 1,159,263,002,459 Rials

Total Period: 48 Months

Commencement Date: 2002

Completion Date: 2006



Geographical Location: Bushehr Province, Assaluyeh Port, Pars Special Economic Energy Zone, Next to Phases 6, 7 & 8 Sites of South Pars

Main Works:

- Design Revision and Engineering of the East & West Breakwaters of Pars Service Port
- West Breakwater Construction and Treatment with the approximate length of 2,400m and 25m depth
- East Breakwater Construction with the approximate length of 1000m
- Sea Dike Construction with the length of 761m and Reclamation of the Yard behind it with the approximate volume of 320,000m³



Pars Service Port Project – Berths Construction

Project Description:

Construction of two Berths at Pars Service Port for Vessel Berthing up to 60,000 tons

Client: Ministry of Oil, Pars Special Economic Energy Zone Company

Consultant: TNA Consulting Engineers

Total Amount: 442,410,966,884 Rials

Total Period: 18 Months

Commencement Date: 2004

Completion Date: 2005

Geographical Location: Bushehr Province, Assaluyeh Port, Pars Special Economic Energy Zone, Next to Phases 6, 7 & 8 Sites of South Pars



Main Works:

- Pile Driving with the length of 27,000m (56" steel piles)
- Construction of two Berth Posts (8 & 9) with 800m length, 31m width and 15m depth



LNG & LPG Storage Tanks



Current projects
Storage Tanks

Iran LNG Project (Package II) LNG & LPG Storage Tanks

Project Description:

Construction of two-shelled LNG & LPG Storage Tanks (with Steel & Concrete)

Project Type: EPCC

by a Consortium including:

- Khatamol Anbia Construction Headquarters – Rah Sahel Est. (from Iran), and
- Daelim Ltd. (from South Korea)

Client: Iran's Liquefying Natural Gas Company (ILC)

Total Amount: 245,280,593 €

Total Period: 48 Months

Commencement Date: 2007

Geographical Location: Bushehr Province, Kangan County, Tomback District

Main Works:

- Site Geotechnical Investigation beneath the Tanks
- Preparing the Detail Design & Executive Drawings
- Construction of 3 LNG Tanks with two Steel & Concrete Shells, each with 80m diameter and 140,000m³ capacity
- Construction of 2 LPG Tanks with two Steel & Concrete Shells, each with the approximate diameter of 45m and 30,000m³ capacity
- Commissioning & Turn over

LPG Storage Tanks of Phase13

Project Description:

Engineering, supplying and construction of LPG Storage Tanks (Propane:45,000 m³) x 2 units Engineering, supplying and construction of LPG Storage Tanks (Butane:35,000 m³) x 2 units

Project Type: EPCC

Client: Petro paydar Iranian Company (PPIC)

Total Amount: 42,324,000 €

Total Period: 25 Months

Commencement Date: 2010

Geographical Location: Bushehr Province, Kangan County, Phase 13 site

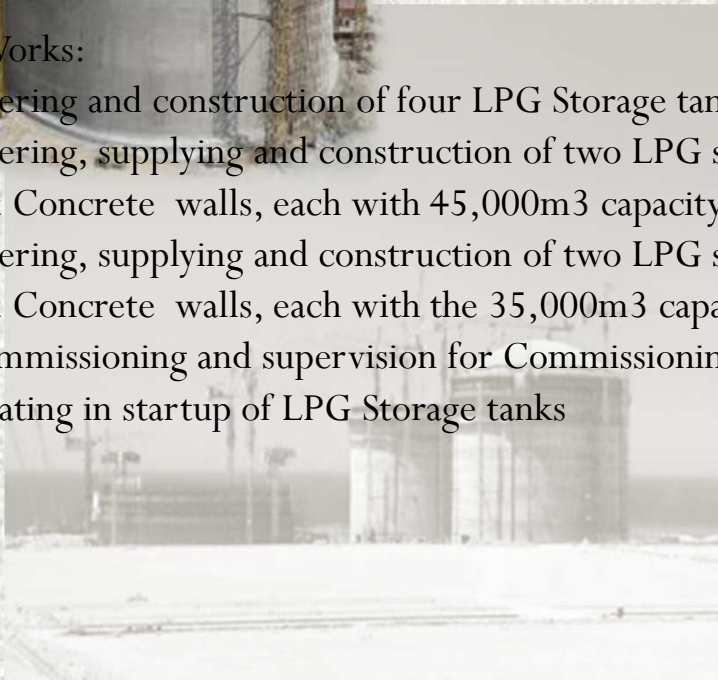
Main Works:

Engineering and construction of four LPG Storage tanks foundation

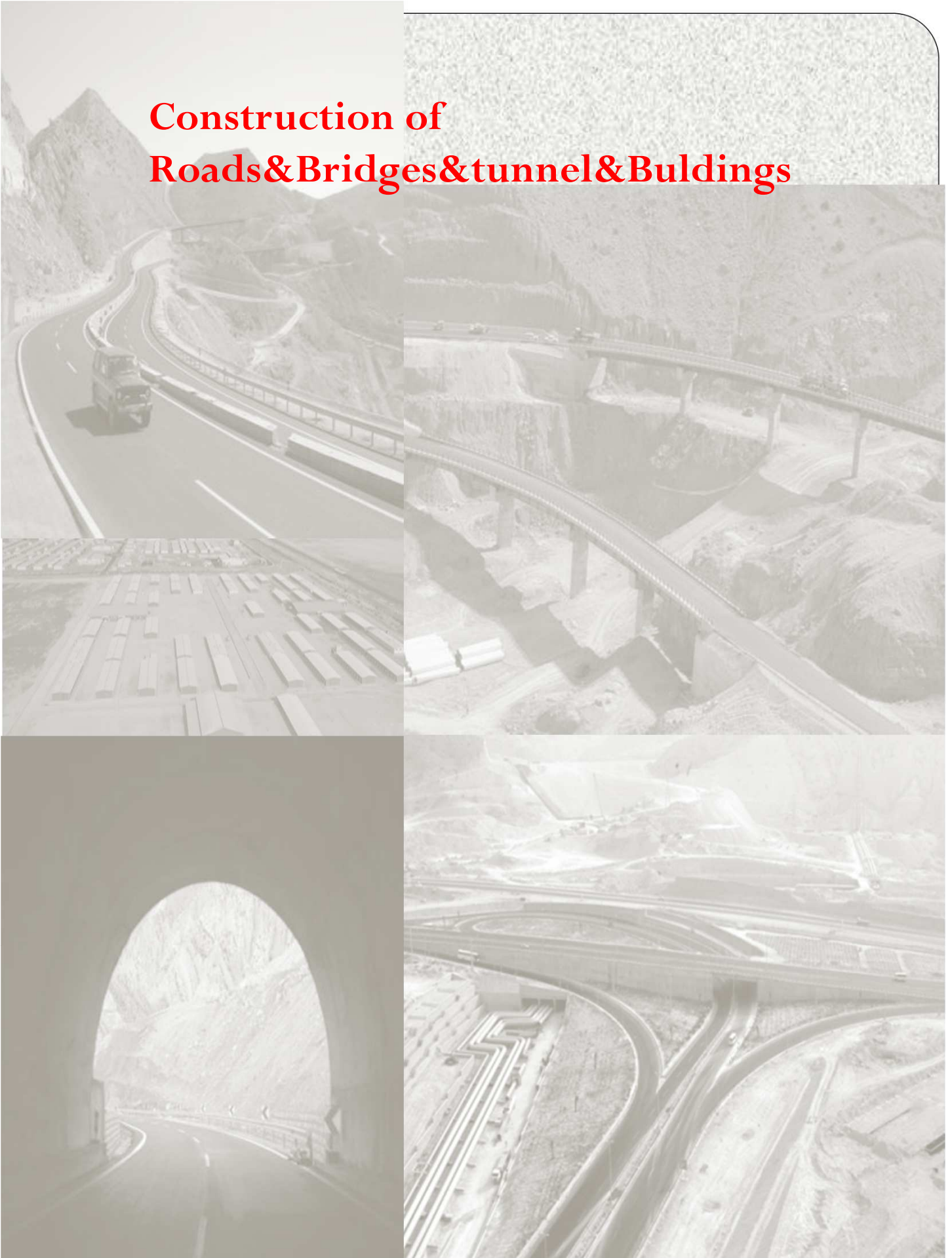
Engineering, supplying and construction of two LPG storage Tanks (propane) with Steel & Concrete walls, each with 45,000m³ capacity

Engineering, supplying and construction of two LPG storage Tanks(butane) with Steel & Concrete walls, each with the 35,000m³ capacity

Pre-commissioning and supervision for Commissioning ,commissioning and cooperating in startup of LPG Storage tanks



Construction of Roads&Bridges&tunnel&Buldings



**Current projects
Construction of Roads &
Bridges & tunnel & Buldings**

Project Description:

Persian Gulf Regional Transportation Network

Client:

Total Amount: 863 Milion Euro

Total Period: 42 Months

Construction Date: 2013-2017

Geographical Location: bandarabbass - Qeshm Island

Main Works:

1-Port Kaveh Expansion for Loading, unloading and storage

it from 2 to 4 jetty posts in length of about 760 meters and increase of the capacity and discharge

2-Construction of Two-way, 4 -lane Divided Highway (2 Roadway) for approximately 92 kilometers from Kaveh Port to nationwide expressway network in the mainland together with intelligent control.

3-Construction of Double Track Railway for approximately 86 kilometers from Kaveh Port to nationwide network of the railways in the mainland together with intelligent control.

4-Construction of The Persian Gulf Bridge with 2x2 lanes highway and double track railway with approximate length of 2600 meter between Laft harbor in Qeshm and Pohl Harbor on the mainland.



NGL 3200 Plant Construction project in the west region Karun

Project Description:

Preparing NGL 3200 Plant Construction project in the west region Karun to area of

approximately 94 hectare

Project type: construction

owner: sadaf institute

Total Amount: 103,400,000,000 Rials

Total Period: 6 months

Commencement Date: 2014

Geographical Location: Khuzestan Province, ahvaz-khoramshahr road, hamid presidio, jofeyr village

Main works:

main site Preparation to area 765,354 m²

subcontractor camp preparation to area 67,397 m²

Protective road around the site



Utility and Offsite Facilities Project

Project Description:

Package I-D liquefying Iran natural gas Utility and Offsite Implementation

Type of Project: EPC

Client: Iran Gas liquefaction Company

Consultants:

Sahel Consulting Engineers

Total Amount: 511,663,040,000 Rials
and 25,000,000 €

Total Period: 35 Months

Commencement Date: 2008



Geographical Location: Bushehr Province, Tombak District

Main Works:

- Construction of 22 km access road between units
- Construction of 23 km Pavements road
- Construction of 44 km surface water absorption channel
- Construction of 36000 Km² Buildings Including office buildings, prayer rooms, clinic, warehouse, workshop and ...
- Procurement , Construction and installation 2500 tons pipe rack
- Procurement , Construction and installation Flare and accessories
- Equipment foundations construction
- Site drainage and sewerage system construction
- Construction of retaining wall with 10 meters height

Construction and civil project of Iran Gas sweetening LNG

Project Description:

Implementation civil operations and construction including building, light and heavy equipment foundations, underground canals, roads, surface water collection channel and sweetening site landscaping.

Type of Project: PC

Client: Iran Gas liquefaction Company NOOTAS

Consultants:

Sahel Consulting Engineers

Total Amount: 164,868,221,689 Rials

Total Period: 14 Months

Commencement Date: 2010



Geographical Location: Bushehr Province, Tombak District, 55 km northwest of Assaluyeh

Main Works:

- Implementation of 154000 m³ soil works
- Implementation of 3200 tons Reinforcement
- Implementation of 6400000 m² formwork
- Implementation of 32000 m³ concrete works
- Construction of 6200 m² Buildings
- Construction and installation 100 concrete piles and 112 metal piles
- Procurement and transportation required materials for buildings and landscaping

Project Description:

Designing and Construction of two mechanized Warehouses for Granular Sulfur Storage, each with the capacity of 40,000 t/hr and Installing the Export Facilities in South Pars Service Port

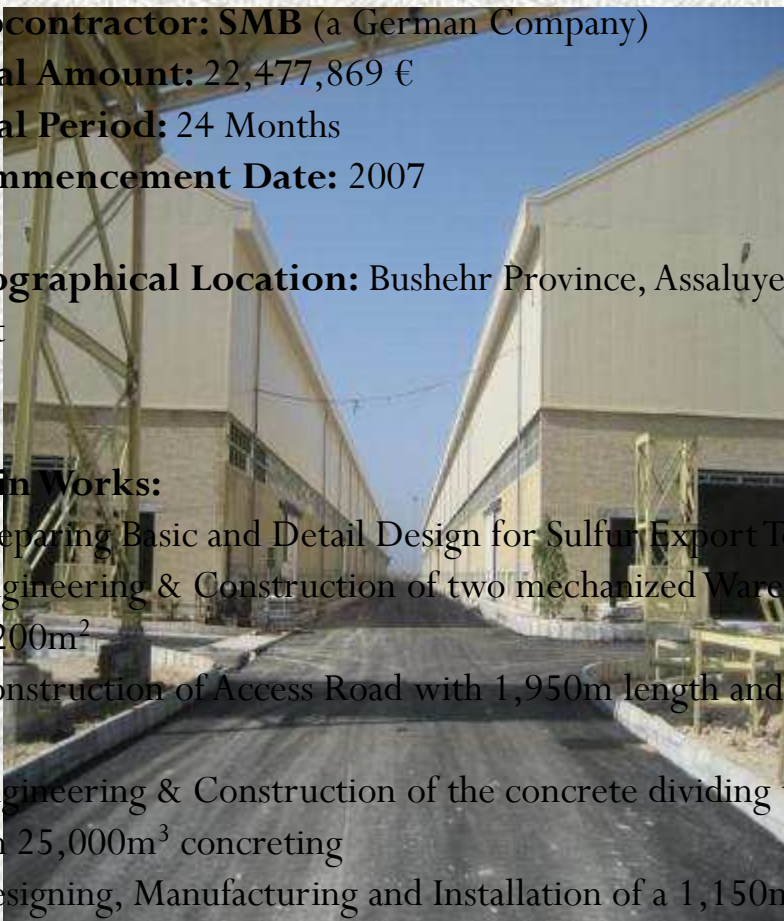
Type of Project: EPCC**Client:** Pars Oil & Gas Company**Consultants:**

Sahel Consulting Engineers (for Civil Works)

Jahad Tahghighat-E- Toos (for Industrial Works)

Subcontractor: SMB (a German Company)**Total Amount:** 22,477,869 €**Total Period:** 24 Months**Commencement Date:** 2007**Geographical Location:** Bushehr Province, Assaluyeh District, South Pars Service Port**Main Works:**

- Preparing Basic and Detail Design for Sulfur Export Terminal
- Engineering & Construction of two mechanized Warehouses with the total area of 25,200m²
- Construction of Access Road with 1,950m length and 10m width at Export Terminal Site
- Engineering & Construction of the concrete dividing walls for each Sulfur Warehouse with 25,000m³ concreting
- Designing, Manufacturing and Installation of a 1,150m Belt Conveyer
- Designing, Manufacturing and Installation of 4 Reclaimers with the capacity of 500t/hr
- Designing, Manufacturing and Installation of a Portable Shiploader on a 200m Rail with the capacity of 1000t/hr
- Construction of a 200m² Administrative Building
- Construction of Control Room, Guards Room and Power Transformer & Sub station Buildings with the area of 700m²



**Finished projects
Construction of Roads &
Bridges & tunnel & Buldings**

Concrete Fabrication, Construction of Buildings & Facilities and Landscaping for Pars Petrochemical Port Project

Project Description:

Antifers, Concrete Blocks and In-situ Concrete Fabrication in Pars Petrochemical Port, Construction of Pars Petrochemical Buildings, Installing part of the required Equipment/Devices and Quayside Landscaping

Project Type: EPC

Client: National Petrochemical industries Company

Consultant: Darya Bandar Consulting Engineers

Total Amount: 1,078,818,872,651 Rials

Total Period: 48 Months

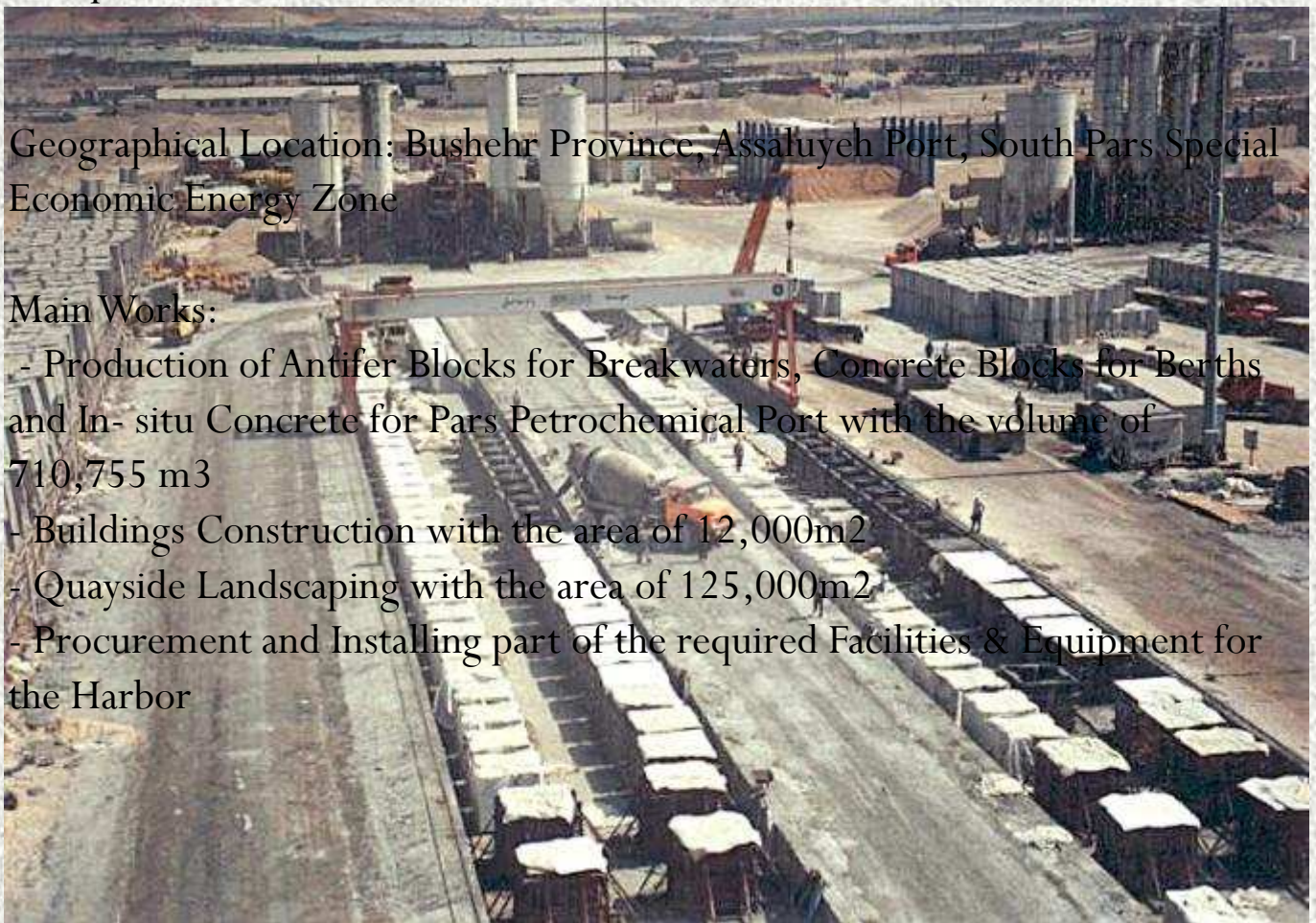
Commencement Date: 2002

Completion Date: 2006

Geographical Location: Bushehr Province, Assaluyeh Port, South Pars Special Economic Energy Zone

Main Works:

- Production of Antifer Blocks for Breakwaters, Concrete Blocks for Berths and In- situ Concrete for Pars Petrochemical Port with the volume of 710,755 m³
- Buildings Construction with the area of 12,000m²
- Quayside Landscaping with the area of 125,000m²
- Procurement and Installing part of the required Facilities & Equipment for the Harbor



Kavyan Petrochemical Complex 1 Project (Olefin 11)

Civil Works, Underground Facilities and Buildings Construction

Project Description: Concrete Works, Civil Works, Buildings Construction and Underground Piping for Olefin 11

Client: Kavyan Petrochemical Company

Total Amount: 115,641,453,333 Rials

Total Period: 20 Months

Commencement Date: 2006

Geographical Location: Bushehr Province, Pars Special Economic Energy Zone, Kavyan Petrochemical Complex

Main Works:

- Concrete Works for Buildings Construction, Channeling, Underground Piping, Landscaping as well as Building the Structures, Foundations, Piers, Furnace and Compressor Shelter:
- Excavation and Cutting Works with the volume of 92,000m³
- Reinforcements amounting to 3,575,750 kg
- Formworks amounting to 79, 533m²
- Concrete Works (Precast & In situ) with the volume of 34,045m³
 - Electrical/Mechanical/Fire Extinguishing Equipment Installation, Underground Piping and Construction of Control Room, Sub station, Office & Analyzer Buildings with the area of 2,426m²
 - Construction of the required Warehouses with the area of 8,856m²



Assaluyeh Fifth Ethylene Project Civil Works and Buildings Construction

Project Description: Electrical & Mechanical Equipment Installation,
Execution of the entire Civil Works and Building Construction

Client: Petrochemical Industries Development Management Company

Total Amount: 114,310,871,911 Rials

Total Period: 14 Months

Commencement Date: 2006

Completion Date: 2007

Geographical Location: Bushehr Province, Assaluyeh District

Main Works:

- Concrete Works for all Pipe Racks, Structures, Furnace, Compressor Shelter, Equipment Foundation and Buildings:
 - Excavation and Cutting Works with the volume of 63,690m³
 - Bar Bending amounting to 3,413,792 kg
 - Formworks amounting to 54,330m²
 - Concrete Works with the volume of 24,161m³
 - Backfilling with the volume of 23,549m³
- Construction of Control Room, Office, Sub Station, and Analyzer Buildings with the area of 3,051m²



Construction of Residential Camps Project (Phases 15 & 16 of Assaluyeh)

Project Description: Engineering, Equipment & Material Supply, Executive Works and other EPC Services for Constructing the Iranian Residential Camp of Phases 15 & 16 of South Pars Gas Field Development Project

Type of Project: EPC

Main Client: Pars Oil & Gas Company

Sub client: Sepanir Company

Contractor's Consultant: Sahel Consulting Engineers

Total Amount: 106,179,153,646 Rials

Total Period: 12 Months

Commencement Date: 2006

Geographical Location: Bushehr Province, Assaluyeh District, Persian Gulf International Airport Road

Main Works:

- Basic Engineering Studies and Preparing the Detail Design
- Earthworks with the volume of 492,000m³
- Construction of Unskilled Workers Camps with the area of 15,942m²
- Construction of Non-residential Buildings including: Bathroom, Restaurant, Gym, Safeguarding Building, Prayer Hall, Administrative Rooms, Clinic, Technical Service Unit, Fire Station, Refrigeration Plant Building and Stores with the total area of 13,344m²
- Electrical & Mechanical Equipment Installation and Site Landscaping
- Fencing around the Site with 2,642m Length



Grade Separated Junction Project (Entrance Way to Petrochemical Complex)

Project Description: Earthworks, Barrier Walls, Surface Water Collection Channels, Asphalt, Lighting System, Paving, Sign Posting, Basing and Bedding as well as Building the Main Bridge & Ramps of the Grade Separated Junction for Entrance to Phase 1 of the Petrochemical Complex in Pars Special Economic Energy Zone

Client: Petrochemical Industries Development Management Company

Consultant: Haraz Rah Consulting Engineers

Total Amount: 46,995,912,750 Rials

Total Period: 26 Months

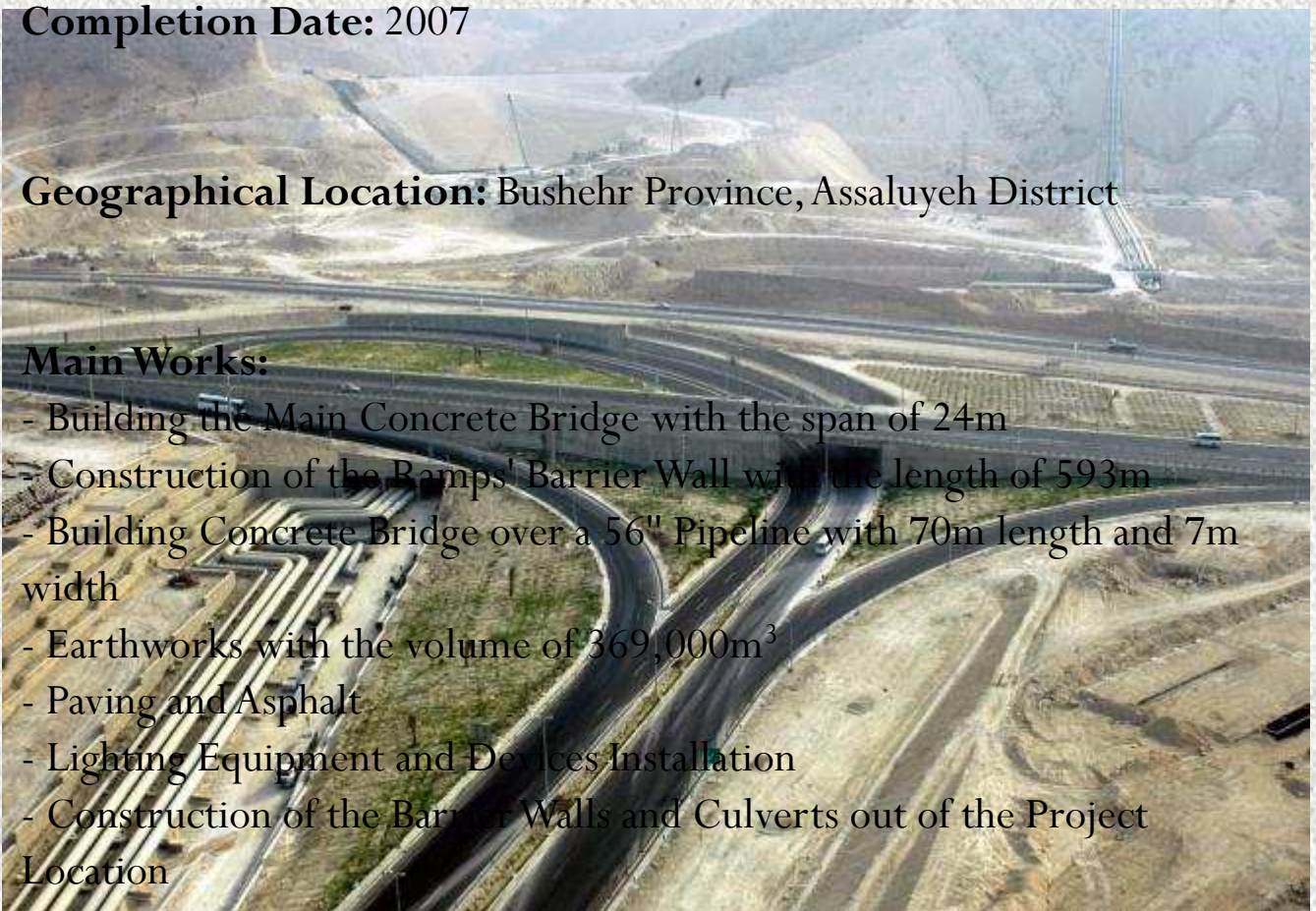
Commencement Date: 2005

Completion Date: 2007

Geographical Location: Bushehr Province, Assaluyeh District

Main Works:

- Building the Main Concrete Bridge with the span of 24m
- Construction of the Ramps' Barrier Wall with the length of 593m
- Building Concrete Bridge over a 56" Pipeline with 70m length and 7m width
- Earthworks with the volume of 369,000m³
- Paving and Asphalt
- Lighting Equipment and Devices Installation
- Construction of the Barrier Walls and Culverts out of the Project Location



Parsian Refinery – Assaluyeh Refinery Highway Project

Project Description:

Engineering, Procurement and Equipment Installation as well as Civil Works Implementation of the First Part of the 4-line Highway between Parsian & Assaluyeh Refineries with 14km length

Project Type: EPC

Client: Pars Oil & Gas Company

Client's Consultant: Haraz Rah Consulting Engineers

Contractor's Consultant: Fradid Consulting Engineers

Total Amount: 381,037,603,228 Rials

Total Period: 24 Months

Commencement Date: 2007

Geographical Location: Fars Province, Lamerd County, Mohr District, Parsian Refinery – Akhand Road

Main Works:

Design Revision and Preparing Detail Design of the Project
Engineering and Building Grade Separated Junction at the beginning of the Road

Earthworks including Cutting & Filling with the approximate volume of 4,500,000m³

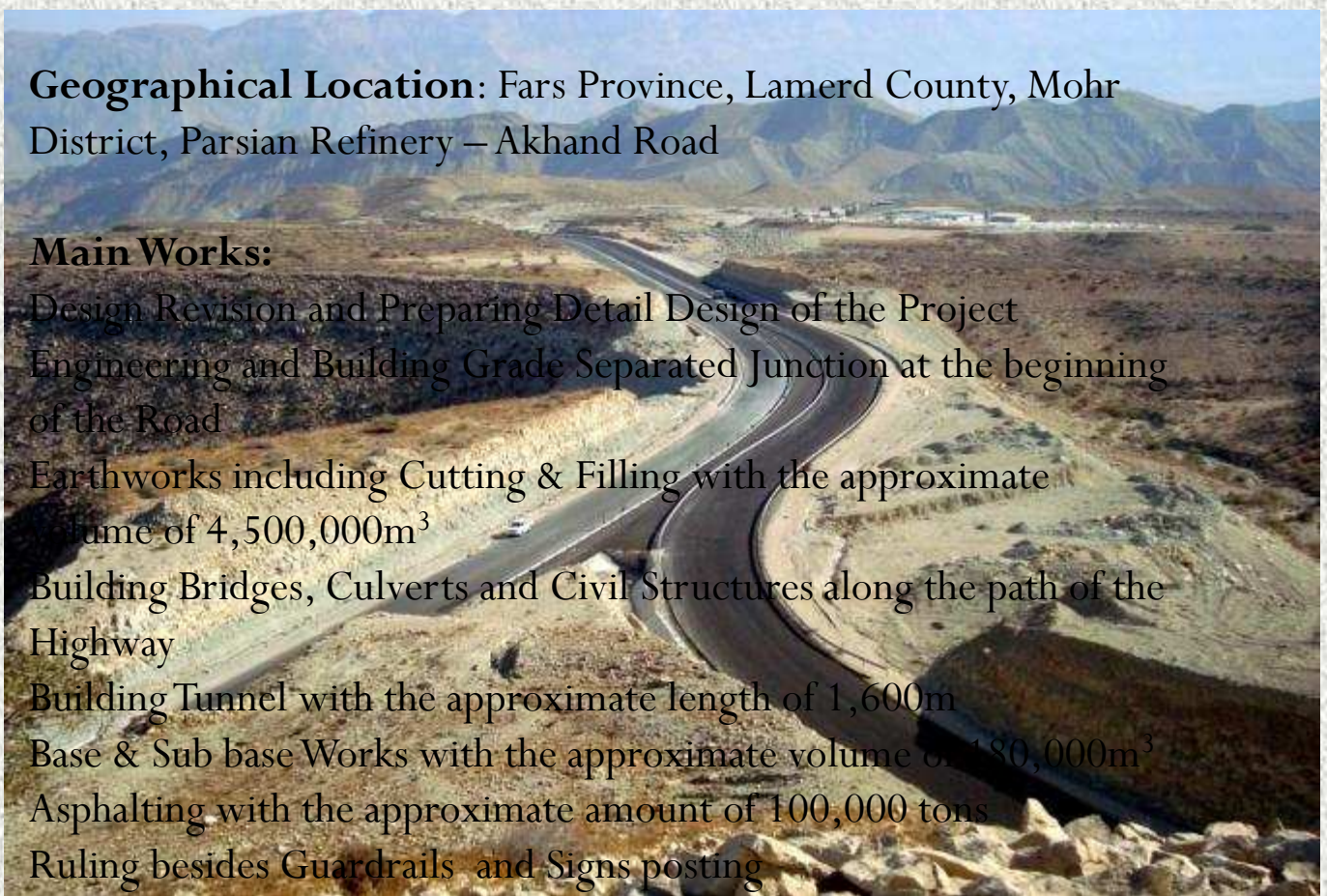
Building Bridges, Culverts and Civil Structures along the path of the Highway

Building Tunnel with the approximate length of 1,600m

Base & Sub base Works with the approximate volume of 180,000m³

Asphalting with the approximate amount of 100,000 tons

Ruling besides Guardrails and Signs posting



Jam-Taheri Highway Project

Project Description: Construction of Part 6/B of the 4-line Jam-Taheri Highway with the length of 7+166 km (from the kilometer of 14+000 to 21+166)

Client: Ministry of Road & Transportation

Consultant: Faradid Consulting Engineers

Total Amount: 312,950,134,656 Rials

Total Period: 65 Months

Commencement Date: 2001

Completion Date: 2006

Geographical Location: Bushehr Province, Jam -Taheri Highway

Main Works:

- Construction of a 4-line Highway with 7km length in a mountainous area

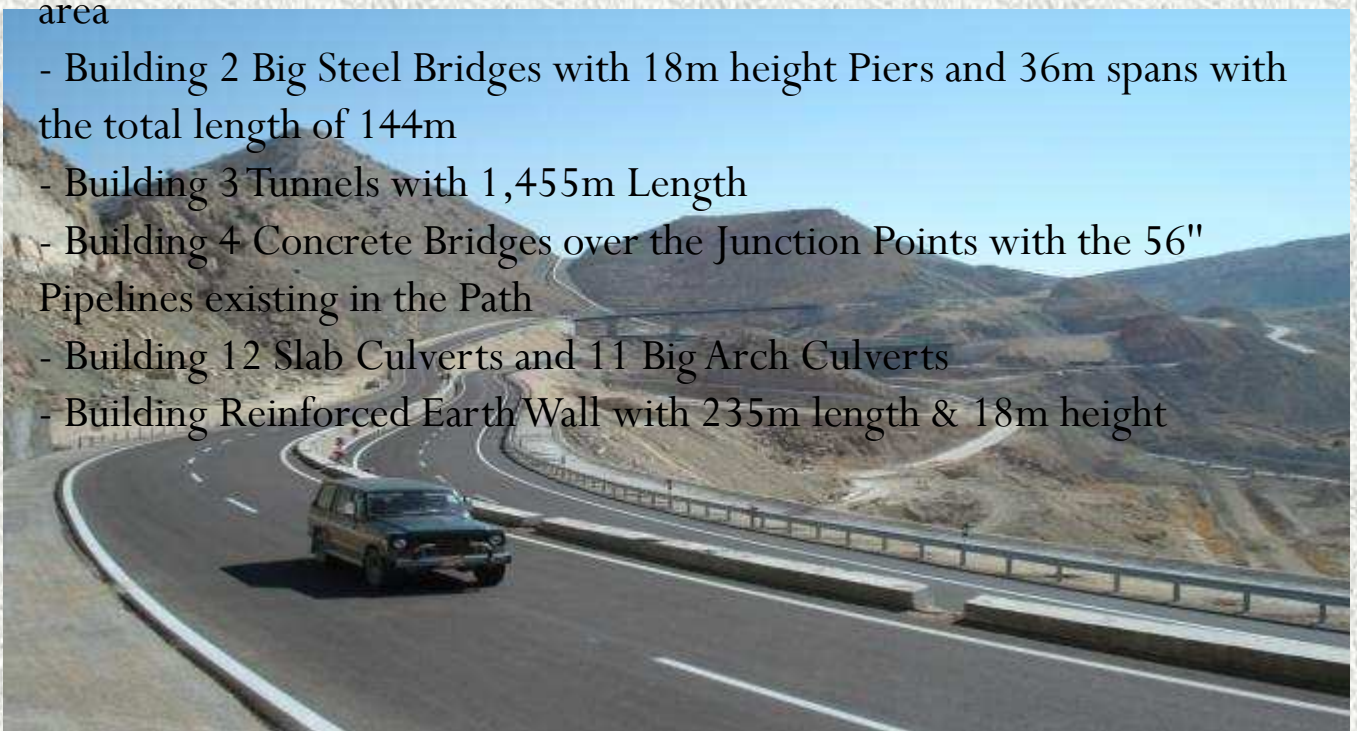
- Building 2 Big Steel Bridges with 18m height Piers and 36m spans with the total length of 144m

- Building 3 Tunnels with 1,455m Length

- Building 4 Concrete Bridges over the Junction Points with the 56" Pipelines existing in the Path

- Building 12 Slab Culverts and 11 Big Arch Culverts

- Building Reinforced Earth Wall with 235m length & 18m height



Chah Eini - Galledar Road Project (Part II)

Project Description: Building Chah Eini - Galledar Road (Part II)

Client: Ministry of Road & Transportation

Consultant: Faradid Consulting Engineers

Total Amount: 14,425,180,028 Rials

Total Period: 58 Months

Commencement Date: 2002

Completion Date: 2005

Geographical Location: South of Fars Province, Lamerd County, Chah Eini - Galledar Road

Main Works:

Construction of 181 Stone, Concrete and Slab Bridges along the Path with different spans

Construction of the Road with the approximate length of 40km and 9m width to connect Galledar Path to Chah Eini Path



Chah Eini - Galledar Road Project (Part III)

Project Description: Building Chah Eini - Galledar Road (Part III)

Client: Ministry of Road & Transportation

Consultant: Faradid Consulting Engineers

Total Amount: 15,446,331,716 Rials

Total Period: 16 Months

Completion Date: 2001

Geographical Location: South of Fars Province, Lamerd County, Chah Eini- Galledar Road

Main Works:

Construction of the Stone Walls with 1,515m length

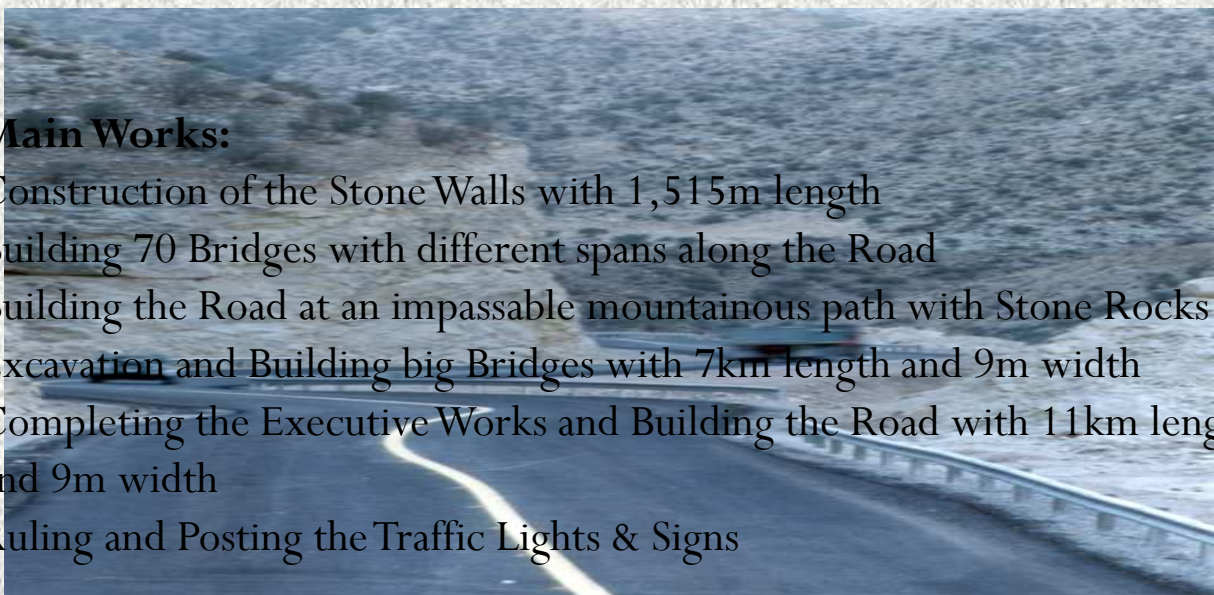
Building 70 Bridges with different spans along the Road

Building the Road at an impassable mountainous path with Stone Rocks

Excavation and Building big Bridges with 7km length and 9m width

Completing the Executive Works and Building the Road with 11km length and 9m width

Ruling and Posting the Traffic Lights & Signs



Access Road to Dasht-E-Abbas Water Transmission Tunnel Project

Project Description: Construction of Access Road to the Intake/ Outfall Spans for Water Transmission Tunnel from Karkheh Dam to Dasht-E-Abbas

Client: Iran's Water & Energy Resources Development Company

Consultant: Taradod Rah Consulting Engineers

Total Amount: 1,960,144,948 Rials

Total Period: 34 Months

Completion Date: 1999

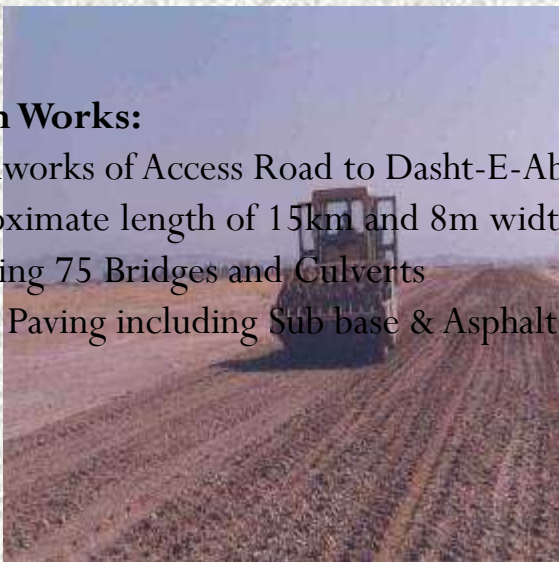
Geographical Location: Ilam Province, Dasht-E-Abbas District

Main Works:

Earthworks of Access Road to Dasht-E-Abbas Water Transmission Tunnel with the approximate length of 15km and 8m width

Building 75 Bridges and Culverts

Road Paving including Sub base & Asphalt



Salman Farsi Dam Access Road Project

Project Description: Construction of Access Road to Salman Farsi Dam located in the 20km distance from Ghir County

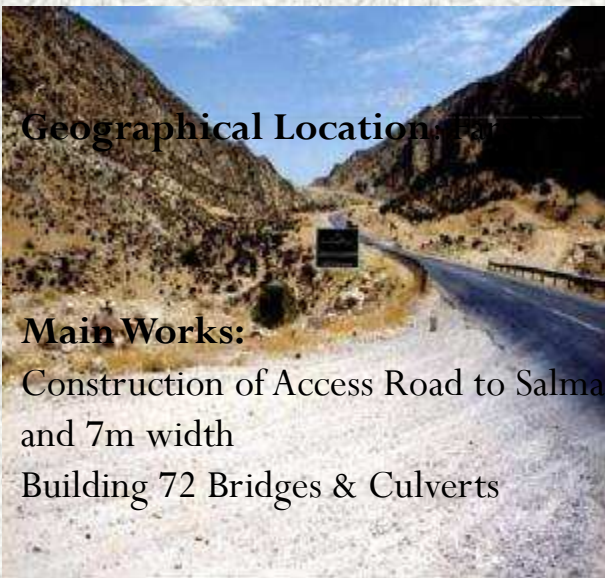
Client: Regional Water Company of Fars Province

Consultant: Mahab Ghods-E- Iran

Total Amount: 3,367,644,555 Rials

Total Period: 45 Months

Completion Date: 1995



Geographical Location: Fars Province, Ghir County, Firoozabad District

Main Works:

Construction of Access Road to Salman Farsi Dam with the length of 13.5km and 7m width

Building 72 Bridges & Culverts

Karoon III Dam Access Roads Project

Project Description: Construction of 7 Roads with the approximate length of 9km as Access Roads to Karoon III Dam

Client: Iran's Water & Energy Resources Development Company

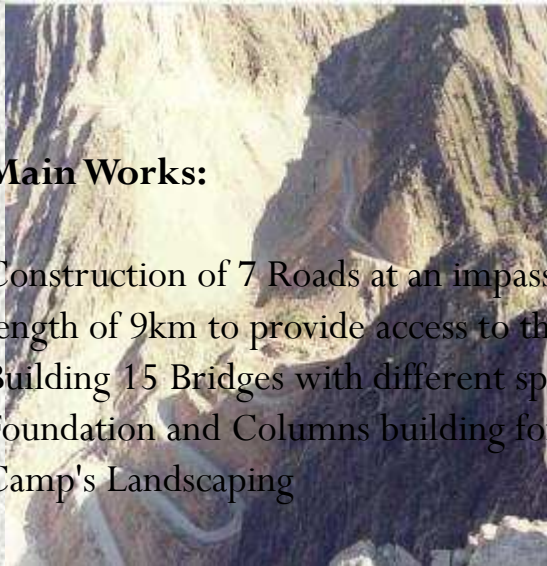
Consultant: Mahab Ghods-E- Iran

Total Amount: 26,751,051,778 Rials

Total Period: 112 Months

Completion Date: 2001

Geographical Location: Khoozestan Province, Izeh County, Karoon III Dam Boundary



Main Works:

Construction of 7 Roads at an impassable mountainous path with the approximate length of 9km to provide access to the Karoon III Dam Site

Building 15 Bridges with different spans

Foundation and Columns building for the Bridges over Karoon River

Camp's Landscaping

Excavating the Spillway & Stilling Basin of Karkheh Reservoir Dam Project

Project Description: Consolidation & Excavation of Spillway and Stilling Basin of Karkheh Reservoir Dam

Main Client: Iran's Water & Energy Resources Development Company

Sub client: Sepasad Company

Consultant: Mahab Ghods-E- Iran

Total Amount: 44,899,216,110 Rials

Total Period: 20 Months

Completion Date: 1998

Geographical Location: Khoozestan Province, the west of Andimeshk County

Main

Earth

Consol

Excav

Excav



m^3

h of 8,645m

of 3,395,756 m^3

with the volume of 1,336,915 m^3

Dasht-E- Abbas Water Transmission Tunnel Project

Project Description:

Excavation, Cutting, Consolidation, Reinforcement, Formwork and Concrete Works for Building a Water Transmission Tunnel from Karkheh Dam to Dasht-E-Abbas

Client: Iran's Water & Energy Resources Development Company

Consultant: Mahab Ghods-E- Iran

Total Amount: 36,088,461,504 Rials

Total Period: 39 Months

Completion Date: 1999

Geographical Location: Ilam Province, Dasht-E-Abbas District

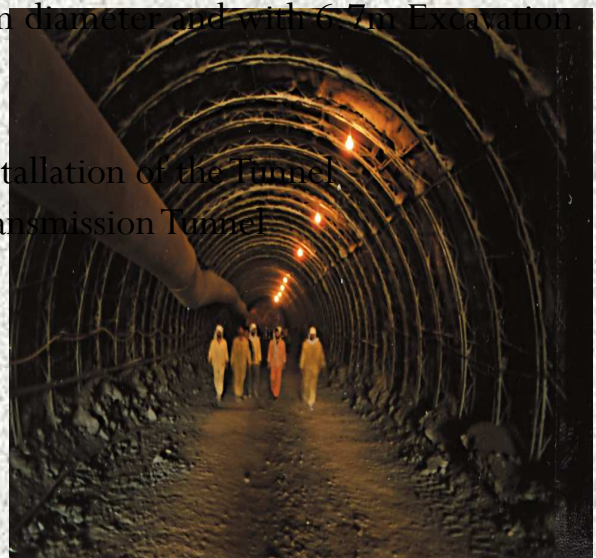
Main Works:

Building Tunnel with 6,150m Length & 5.5m diameter and with 6.7m Excavation diameter

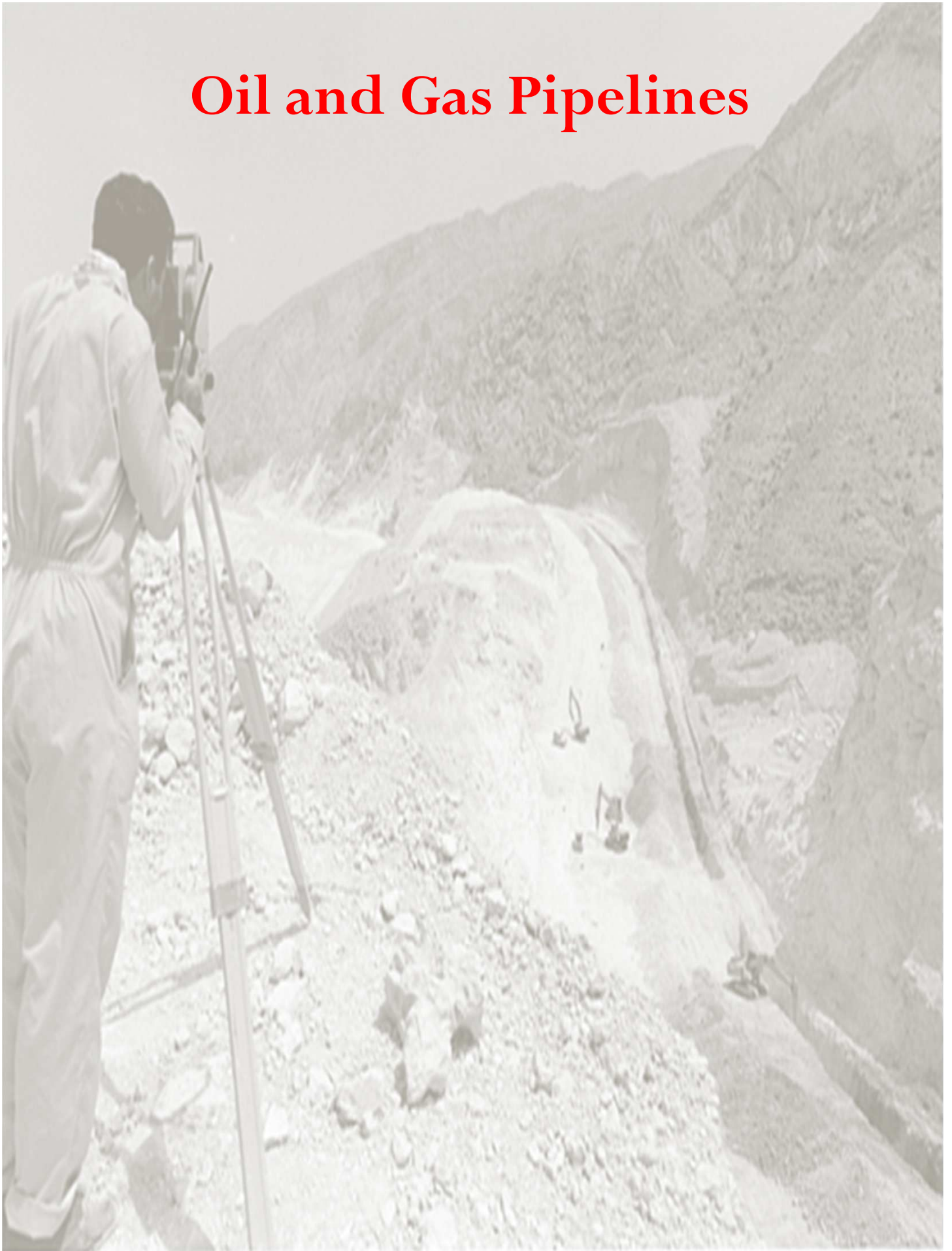
Building Tunnel Portals

Construction of Shafts for Control Valve Installation of the Tunnel

Building 2 Adits for Excavating the Water Transmission Tunnel



Oil and Gas Pipelines



**Finished projects
Oil and Gas Pipelines**

South Pars Pipeline ROW Project

Project Description: Civil Works of the ROW with 40m width & 12km length for two 56" Gas Pipelines

Client: Petrochemical Industries Development Management Company

Consultant: Sazeh Consulting Engineers

Total Amount: 196,715,858,092 Rials

Total Period: 26 Months

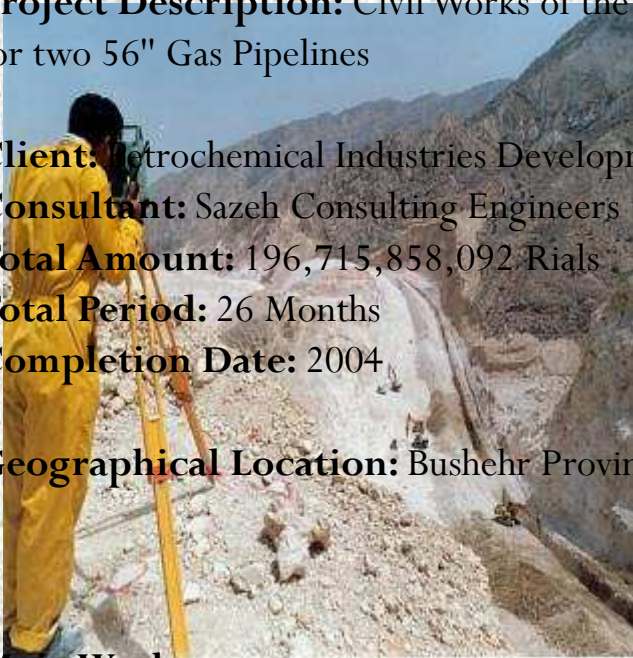
Completion Date: 2004

Geographical Location: Bushehr Province, Assaluyeh District

Main Works:

Cutting Works with the volume of 6,012,076m³ and Construction of the 56" Pipes Transmission Path with the approximate length of 13km & 40m width

Excavation and Channeling for 56" Pipes with the length of 26km



Gas Collection Network Project of Aghar & Dalan Field

Project Description: Civil Works of Aghar Gas Collection Installations

Client: National Iranian Oil Company

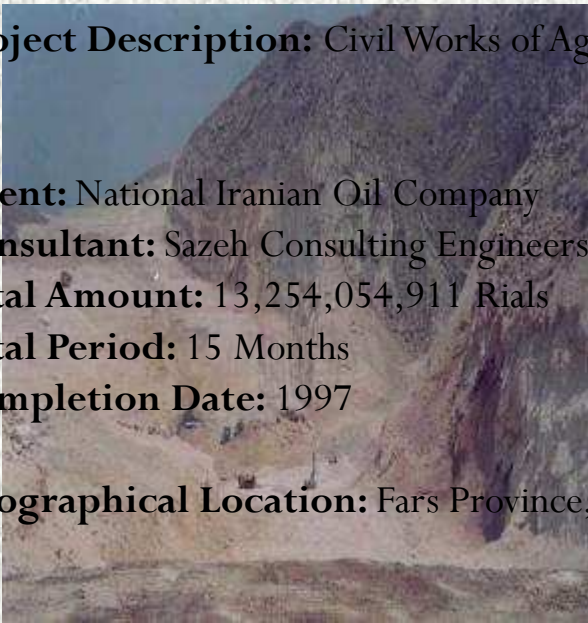
Consultant: Sazeh Consulting Engineers

Total Amount: 13,254,054,911 Rials

Total Period: 15 Months

Completion Date: 1997

Geographical Location: Fars Province, Ghir County, Firoozabad District



Main Works:

Construction the Pipeline ROW with 70km length and between 12 to 24m width in a mountainous area

90km Channeling in an area with Steep Slopes

- Execution of the Civil Works for the Main Refinery and Wells' Superstructure Facilities with the area of 105,000m²

Maroon Gas & Oil Pipeline ROW Project

Project Description: Civil Works of Maroon-Isfahan Gas & Oil Pipeline ROW located in the Karoon III Dam Boundary



Client: Oil Industries Machinery Company

Consultant: Industry and Management Consulting Engineers

Total Amount: 23,189,462,263 Rials

Total Period: 66 Months

Completion Date: 2005

Geographical Location: Khoozestan Province, Izeh County, near Karoon III Dam

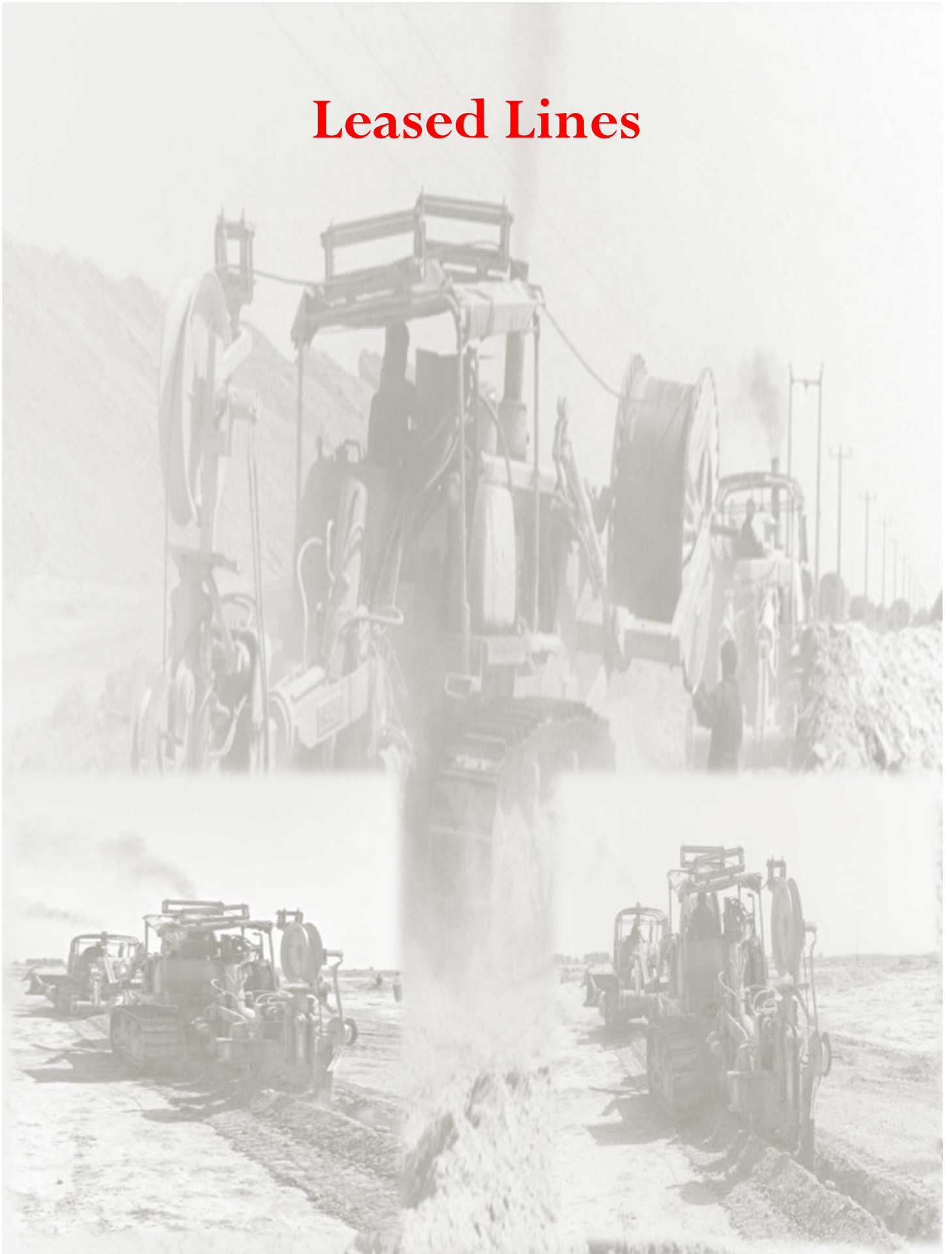
Main Works:

Execution of Civil Works related to the 30" steel Pipes ROW with 12km length

Cutting Works with the Volume of 1,440,060m³ in a mountainous area with a quite difficult & risky situation to work

Channeling with the length of 12km

Leased Lines



**Finished projects
Leased Lines**

Tehran-Ahwaz Fiber Optics Project

Project Description: Fiber Optics Cabling along the Path of Tehran-Ahwaz by Trenching, channeling, Jointing, Civil Works Execution including Concrete Slabs & Piping and Construction of Fiber Optics Stations Buildings along the Path with the approximate length of 900km besides preparing As-built Drawings

Client: Pipelines & Telecommunication Department of Iran's Oil Company

Consultant: Haraz Rah Consulting Engineers

Total Amount: 75,227,350,301 Rials

Total Period: 52 Months

Completion Date: 2006



Geographical Location: Tehran-Ahwaz Path

Main Works:

Channeling and Cabling along Tehran-Ahwaz Path with the approximate length of 900km

Construction of 14 Radio Station Buildings and 3 Central Buildings with the total area of 2000m²

Eastern Iran Fiber Optics Project

Project Description: Basic & Detail Designing, Excavation, Trenching, Channeling, Cabling, Jointing, Supply of the required Equipment/Materials and Preparing As-built Drawings of the Paths between Mashhad, Zahedan, Kerman and Bandar Abbas with the approximate length of 2,613km

Client: Iran's Telecommunication Company

Consultant: Supervision, Test and Delivery Department of Iran's Telecommunication Company

Total Amount: 91,599,206,342 Rials

Total Period: 35 Months

Completion Date: 2002

Geographical Location: The Paths between Mashhad, Zahedan, Kerman and Bandar Abbas



Main Works:

Excavation, Channeling, Trenching and Cabling in the eastern part of the Country, along the Paths between Mashhad, Zahedan, Kerman and Bandar Abbas with the approximate length of 2,613km:

Excavation, Channeling, Trenching and Cabling along the Path between Bandar Abbas - Kerman with the length of 768 km

Excavation, Channeling, Trenching and Cabling along the Path between Kerman - Zahedan with the length of 632km

Excavation, Channeling, Trenching and Cabling along the Path between Zahedan - Birjand with the length of 532km

Excavation, Channeling, Trenching and Cabling along the Path between Birjand - Mashhad with the length of 681km

Fiber Optics Project of Khoozestan Province

Project Description: Excavation & Fiber Optics Cabling in Khoozestan Province

Client: Khoozestan Province Telecommunication Company

Consultant: Supervision, Test and Delivery Department of Iran's Telecommunication Company

Total Amount: 25,823,751,187 Rials

Total Period: 33 Months

Completion Date: 2002

Geographical Location:

Khoozestan Province; the Paths Between:

Behbahan - Aghajary

Behbahan - Deilam Port

Dezful - Shooshtar

Aghajary - Sarbandar



Main Works:

- Excavation and Fiber Optics Cabling with the length of 280km

Fiber Optic Project MINAB-JASK

Project Description: Excavation and Fiber Optic cabling between Minab and Jask 237 KM

Client: Iran telecommunication Company

Consultant: State monitoring and testing and delivery of Iran telecommunication company

Total Amount: 5,856,228,149 Rials

Total Period: 5 Months

Completion Date: 2009

Geographical Location: Hormozgan province, along Minab-Jask Path

Main Works:

Fiber Optic cabling 237 KM

Cabling (by Cabler machine HS2) 175,000 ML

Channel excavation and cabling by mechanical tools 35,100 ML

Channel excavation and cabling on solid earth 11,700 ML

Channel excavation and cabling on stones by burning materials 7,650 ML

Channel cabling 7,325 ML

Supply and installation Galvanized pipe 492 ML

Supply and installation subduct 7,122 ML

Supply and installation Identification tip 960 pcs



Lorestan Fiber Optics Project

Project Description: Drilling operations and cabling to length of 135 km in order to increase the communication channel capacity and reduce perceptible drop in communications and benefit from the power of repeater information in order to communicate with away distances



Client: Iran Transmission Company

Consultant: Supervisor and examination and delivery works of transmission company

Total Amount: 10,594,851,550 Rials

Total Period: 5 Months

Completion Date: 2001

Geographical Location: Lorestan province, Dezfool-babazeyd-poldokhtar Path

Main Works:

Fiber optics cabling to length of 135 km

Channel excavation and cabling in soft soil ground to length of 22,000 m.

Channel excavation and cabling in hard ground to length of 61,600 m.

Channel excavation and cabling in rocky ground to length of 44,000 m.

Channel cabling to length of 64,00 m.

Galvanized pipe preparation and installation to length of 1384 m.

Sub duct preparation and installation to length of 1896 m.

Arrows identify preparation and installation to length of 610 m.

Bushehr-Borazjan Fiber Optics Project

Project Description: Drilling operations and cabling to length of 42.65 km in order to increase the communication channel capacity and reduce perceptible drop in communications and benefit from the power of repeater information in order to communicate with away distances

Client: Iran Transmission Company

Consultant: Supervisor and examination and delivery works of transmission company

Total Amount: ۱ ، ۸۸۹ ، ۷۲۷ ، ۳۸۲ ریال

Total Period: 2 Months

Completion Date: 1999

Geographical Location: Bushehr province, Borazjan

Main Works:

Fiber optics cabling to length of 42 km

Channel excavation and cabling in soft soil ground to length of 6823 m.

Channel excavation and cabling in hard ground to length of 3147 m.

Channel cabling to length of 5300m.

Galvanized pipe preparation and installation to length of 45 m.

Arrows identify preparation and installation to 237 NO

Sub duct preparation and installation to length of 5081 m.

