



↳ Saab Niroo Company is one of the largest and most reputable contractors in the field of dams construction, water works and equipment in Iran. Since the establishment, the company has accomplished a significant number of projects in the fields of the dam and power plant, water and wastewater treatment plant, irrigation and drainage network, concrete ground and elevated tanks, tunnel structure, excavation and injection and construction of heavy structures, or has such project in progress. Saab Niroo Company with the help of its efficient and experienced management, by recruitment of productive and skillful specialists and its large fleet of heavy construction equipment has been able to conduct the projects in such way that absolutely satisfy its employers.



### The Most Important Projects of Saab Niroo Company

↳ List of the most important executed or ongoing projects:



### WATER, INSTALLATION AND EQUIPMENTS

- ↳ Transmission line, water treatment plant and pumping stations of Bojnurd water supply project
- ↳ Complementary operations of Bojnurd water supply project
- ↳ Water treatment plant for water supply project to cities of Sistan province
- ↳ Quchan water treatment plant
- ↳ Toyserkan wastewater treatment plant
- ↳ Gorgan wastewater treatment plant
- ↳ Astara wastewater treatment plant (EPC)
- ↳ Design, supply and installation of thickening and tails filtering equipments, water tanks and return water pumping stations and return water distribution lines for Chehel Koureh copper mine (EPC)



- ↳ Design, supply and installation of transmission line, pump stations equipments and implementation of distribution network of Asalooyeh drinking water (EPC)
- ↳ Procurement and installation of polyethylene pipes of Mehr and Morvarid Complexes in Asalooyeh
- ↳ Tabark Dam, Quchan
- ↳ Siahou reserve dam, Birjand
- ↳ Excavation and consolidation injection of the shafts and converting structures of Karoon 3 plant

### CONSTRUCTION

- ↳ Completion of the retaining structure and implementation of main structure, mechanical and electrical installations of Tehran metro B3-1 station
- ↳ 460-unit Mehr Housing Project, Golbahar, Mashhad
- ↳ 168-unit Mehr Housing Project, Torghabeh, Mashhad
- ↳ Partnership of 253-unit Resalat housing project ( Sis Abad)
- ↳ Construction of foundation and main concrete structure of Melal Mall
- ↳ Earthworks and stabilization of excavation for Mashhad Mall Project
- ↳ Construction of Mashhad Mall foundation and bulkheads
- ↳ Construction of the Multi-storey Parking of Imam Reza Stadium
- ↳ Construction of foundation and concrete structure of Pasargad Modern House

### OTHER PROJECTS

- ↳ Construction of Part Papyrus resumption paper plant build
- ↳ Execution of support facilities and landscaping for Rostami fishing port
- ↳ Maintenance and renovation operations of Shahid Rajai and Bahonar Port Complex
- ↳ Excavation of outlet tunnel of Chal Nakhjir cave
- ↳ Anzab tunnel
- ↳ Fakeh main channel







## Transmission Line, Water Treatment Plant and Pumping Stations of Bojnurd Water Supply Project

- **Employer:** North Khorasan Regional Water Company
- **Consultant:** Toossab Consulting Engineers Company
- **Contractor:** Saab Niroom Company
- **Date of Contract:** 2008/07/19
- **Duration of Contract:** 30 months
- **Project Location:** North Khorasan - Bojnurd



### Major Specifications of the Project:

- Implementation of about 47 km steel and GRP water pipeline (700, 900, 1000 mm in diameter)
- Implementation of midway facilities including construction operations and electrical, mechanical, control and instrumentation equipment of four pumping stations, suction and pressure-reducing tanks
- Implementation of drinking water treatment plant with a capacity of 975 liters per second, including building construction and electrical, mechanical, control and instrumentation equipment

### Main Volumes of the Works:

- Earthworks: 1,828,700 cubic meters
- Formworks: 81,700 square meters
- Steel Works with rebar: 2,506 tons
- Concrete: 36,600 cubic meters
- Heavy steel works: 506 tons
- Light steel works: 87 tons







## Complementary Operations of Bojnurd Water Supply Project

- **Employer:** North Khorasan Regional Water Company
- **Consultant:** Toossab Consulting Engineers Company
- **Contractor:** Saab Niroom Company
- **Date of Contract:** 2012/10/18
- **Duration of Contract:** 15 months
- **Project Location:** North Khorasan - Bojnurd



### Main Volumes of the Works:

- Earthworks: 235,400 cubic meters
- Formworks: 3,070 square meters
- Rebar steel works: 258 tons
- Concrete: 9,541 cubic meters
- Heavy steel works: 98 tons
- Light steel works: 88 tons
- Base and subbase : 53,640 cubic meters
- Asphalt: 7,600 square meters

### Specifications of the Project

- Execution of the remaining water transmission pipeline with a length of 18.5 kilometers and related valve pits
- Completion of midway facilities, including construction and electrical and mechanical equipment of pumping stations #1 to #4 and suction and pressure-reducing tanks
- Completion of drinking water treatment plant
- Procurement, transportation and installation of cathodic protection equipment, laboratory equipment and chemicals







## Procurement, Transportation, Installation and Commissioning of Remaining Facilities of Water Treatment Plant of Sistan Cities



## Project Description

Procurement, transportation, installation, testing and commissioning of the remaining facilities of water treatment plants of Sistan cities including remaining parts of inlet screening unit, ozone disinfection, chlorination, waterfront of the treatment plant, outlet pumping station, filter and recovery chemical structure, lighting works area of the area as well as water intake facilities from lake #3 with discharge of 16,000 cubic meters per hour to supply water to the cities of Sistan including needed mechanical and electrical and instrumentation equipment so that water intake will become possible from the maximum possible depth of the lake (22 meters).

- ↳ **Employer:** Sistan and Baluchestan Water and Wastewater Company
- ↳ **Consultant:** Toosab Consulting Engineers Company
- ↳ **Contractor:** Saab Niroom Company
- ↳ **Date of Contract:** 2012/09/08
- ↳ **Duration of Contract:** 20 months
- ↳ **Project Location:** Sistan and Baluchestan - Zabol





## Quchan Water Treatment Plant

- **Employer:** Khorasan Regional Water Company
- **Consultant:** Sarvab Consulting Engineers Company
- **Contractor:** Saab Niroo Company
- **Date of Contract:** 2004/04/14
- **Duration of Contract:** 17 months
- **Project Location:** Khorasan Razavi - Quchan



➤ **Project Objectives:**  
Treated drinking water supply for Quchan

### ➤ Major Specifications of the Project:

Quchan drinking water treatment plant has a capacity of 630 liters per second. Water is supplied to the treatment plant via 800 mm pipe with a length of 12 km from Tabarak diversion dam and the treatment plant includes the following units:

- Measurement of water flow
- Rapid mixing
- Clarification
- Filters
- Retrieval
- Control room and water storage tank
- Injection and storage of chemicals and overflow channels
- Chlorination



## ↳ Toyserkan Wastewater Treatment Plant

### ↳ The main specifications of the project include construction of the followings:

Process buildings: construction of screening unit, inlet and outlet Parshal Flume, aeration ponds and sedimentation tanks of sludge accumulation ponds and chlorination unit. Ancillary buildings: Blower's building, electricity, administration, security, passage post, landscaping of treatment plant site and enclosure walls.



- ↳ **Employer:** Hamedan Water and Wastewater Company
- ↳ **Consultant:** Mojab Consulting Engineers Company
- ↳ **Contractor:** Saab Niroom Company
- ↳ **Date of Contract:** 2006/01/08
- ↳ **Duration of Contract:** 21 months
- ↳ **Project Location:** Hamedan - Tuyserkhan



## ↳ Gorgan Wastewater Treatment Plant

- ↳ **Employer:** Golestan Water and Wastewater Company
- ↳ **Consultant:** Rey Ab Consulting Engineers Company
- ↳ **Contractor:** Saab Niroom Company
- ↳ **Date of Contract:** 2006/04/15
- ↳ **Duration of Contract:** 30 months
- ↳ **Project Location:** Golestan - Gorgan



### ↳ Major Specifications of the Project:

- ↳ Construction of ancillary and process buildings of the treatment plant
- ↳ Implementation of landscaping with irrigation system and water distribution and sewage network into the yard
- ↳ Pipe-laying and construction of manholes for effluent transmission line from treatment plant with sewer concrete pipe of 1200 mm in diameter
- ↳ Electrical and mechanical installations of ancillary and process buildings and site of the treatment plant



## ➤ Astara Wastewater Treatment Plant (EPC Method)



Project: Astara Wastewater Treatment Plant

Employer: Gilan Water and Wastewater Company

Consultant: Ab Mohit Consulting Engineers Company

Contractor: Saab Niroo Company - Mahab Ghods

- **Employer:** Gilan Water and Wastewater Company
- **Consultant:** Ab Mohit Consulting Engineers Company
- **Contractor:** Saab Niroo Company - Mahab Ghods consulting engineers company
- **Date of Contract:** 2012/07/17
- **Duration of Contract:** 24 months and 60 months of operation
- **Project Location:** Gilan - Astara



➤ **Design, supply and installation of thickening and tailings filtration equipment, water tanks and return water pumping stations and return water distribution lines for Chehel Koureh copper mine (EPC method)**

- **Employer:** National Iranian Copper Industries Company
- **Contractor:** Saab Niroom Company - Norahan Tadbir Toos
- **Date of Contract:** 2012/05/30
- **Duration of Contract:** 18 months
- **Project Location:** Sistan and Baluchestan - Zahedan

**Specifications of the Project:**

Design, procurement, installation and commissioning of the tailings plant include the following sections:

- Transportation of tailing plant to thickener
- Construction of thickener
- Construction of Filter Press building
- Construction of pumping station
- Construction of steel pipeline from water tank to the plant site
- Landscaping and construction of streets
- Construction of access road





↘ **Design, supply and installation of water transmission lines, drinking water pumping stations and implementation of water distribution network of Asalooyeh (EPC method)**



↘ **The main characteristics of the project include the construction of the followings:**

- ↘ **Employer:** Pars Special Economic Energy Zone
- ↘ **Consultant:** Pars Farazband Consulting Engineers Company
- ↘ **Contractor:** Saab Niroo Company - Toosaab
- ↘ **Date of Contract:** 2006/05/09
- ↘ **Duration of Contract:** 10 months
- ↘ **Project Location:** Bushehr - Asalooyeh

- ↘ Providing Electro-pump for water at raw water pumping station with a capacity of 1350 cubic meters per day
- ↘ Pumping station to transfer water from desalination units
- ↘ Complete set of passage post station
- ↘ Construction of 64-kilometer-long water distribution network in the area using PE pipes'
- ↘ Construction of 30-kilometer long steel water pipeline in the area with 500 mm in diameter



## Tabark Dam, Quchan



### Major Specifications of the Project:

- ↘ **Type of Dam:** Rockfill with clay core
- ↘ **The height from the foundation (bedrock):** 74 ms
- ↘ **Crest length:** 198 meters
- ↘ **Crest width:** 10 meter
- ↘ **Dam width at foundation:** 270 mm
- ↘ **Total volume of reservoir:** 60 million cubic meter
- ↘ Diameter of tunnels (after lining): 4 meters
- ↘ Length of lower tunnel: 222 meters
- ↘ Length of water intake tunnel: 216 meters
- ↘ **Overflow Type:** free with a length of 45 meters and a discharge capacity of 1,100 cubic meters per second

- ↘ **Employer:** Khorasan Regional Water Company
- ↘ **Consultant:** Mahab Ghods Consulting Engineers Company
- ↘ **Contractor:** Saab Niroom Company
- ↘ **Date of Contract:** 2003/01/20
- ↘ **Duration of Contract:** 21 months
- ↘ **Project Location:** Khorasan Razavi - Quchan

### Main Volumes of the Works:

- ↘ Total excavation volume: 343,036 cubic meters
- ↘ Total embankment volume: 853,000 cubic meters
- ↘ Total volume of concrete placement: 43,721 cubic meters

### Project Objectives:

- ↘ Providing drinking water for Quhan, 10 million cubic meters per year
- ↘ Providing water for industry sector amounted to 4 million cubic meters of water per year
- ↘ Satisfying downstream water needs for 1800 ha
- ↘ Controlling seasonal floods of Tabarak river



## ↘ Siahoo reservoir dam, Birjand

### ↘ Main Volumes of the Works:

- ↘ Total excavation volume: 362,500 cubic meters
- ↘ Total embankment volume: 872,800 cubic meters
- ↘ Total volume of concrete placement: 11,850 cubic meters

- ↘ Type of dam: Earth with clay core
- ↘ Dam height: 32 meters
- ↘ Crest length: 352 meters
- ↘ Crown width: 9 meters
- ↘ Overflow type: Free flow with discharge of 340 cubic meters per second
- ↘ Reservoir volume: 17.4 million cubic meters
- ↘ Water volume for regulation: 5.9 million cubic meters

- ↘ **Employer:** Khorasan Regional Water Company
- ↘ **Consultant:** Mahar Ab Research of Soil Consulting Engineers Company
- ↘ **Contractor:** Saab Niroom Company
- ↘ **Date of Contract:** 2006/06/10
- ↘ **Duration of Contract:** 36 months
- ↘ **Project Location:** South Khorasan - Birjand





↘ Excavation and consolidation injection to the shafts and processing structures of Karoon 3 dam



- ↘ **Employer:** Iran Water and Power Resources Development Co.
- ↘ **Consultant:** Mahab Ghods Consulting Engineers Company and Aykrs Company
- ↘ **Contractor:** Saab Niroom Company
- ↘ **Date of Contract:** 2003/03/16
- ↘ **Duration of Contract:** 12 months
- ↘ **Project Location:** Khouzestan - Izeh

↘ Specifications of the Project:

The project involves drilling and consolidation and contact injection to the shafts and processing structures of Karoon 3 dam plant as 60,000 meters of drilling and injection length.





↘ **Completion of the retaining structure and the implementation of mechanical and electrical installations of B3-1 station, Tehran Metro**

- ↘ **Employer:** Tehran Urban and Suburban Railway Company
- ↘ **Consultant:** Siviari Consulting Engineering Company
- ↘ **Contractor:** Saab Niroom Company
- ↘ **Date of Contract:** 2012/04/28
- ↘ **Duration of Contract:** 12 months
- ↘ **Project Location:** Tehran - line 3 of Tehran Metro





### 460-unit Mehr Housing Project - Golbahar

- ↳ **Employer:** Golbahar New Town Development Company
- ↳ **Contractor:** Saab Niroo Company
- ↳ **Date of Contract:** 2010/01/19
- ↳ **Duration of Contract:** 12 months
- ↳ **Project Location:** Khorasan Razavi - Mashhad



#### Project Description:

- Construction of 460 residential units with an average floor area of 75 square meters
- Field area of 32,371 square meters
- Total floor area of 48,000 square meters





## ↘ 168-unit Mehr Housing Project - Torghabeh

- ↘ **Employer:** Hesar and Golestan Youth Housing Cooperative Company
- ↘ **Contractor:** Saab Niroom Company
- ↘ **Duration of Contract:** 12 months
- ↘ **Project Location:** Khorasan Razavi - Mashhad



### Project Description:

Construction of 168 residential units consisting of 14 blocks with 15,500 square meters of floor area



## ↘ The Project of 253 Residential Units of Resalat (Sis-Abad)

- ↘ **Partnership:** Omid Development and Construction Company & Saab Niroom Company
- ↘ **Date of Contract:** 2012/02/18
- ↘ **Duration of Contract:** 24 months
- ↘ **Project Location:** Khorasan Razavi - Mashhad



### ↘ Project Description:

Full implementation of construction of 253 residential units including five 46-units block and one 23-units, totally 55,000 m<sup>2</sup> Area



## Construction of the Foundation and Concrete Structure of Melal Hypermarket

## Specifications of the Project

Preparation of materials for foundation and concrete structure of Melal Hypermarket in nine floors with 59,000 square meters of floor area



- ↳ **Employer:** Mrs. Akram Mashhadi
- ↳ **Contractor:** Saab Niroom Company
- ↳ **Date of Contract:** 2013/03/06
- ↳ **Duration of Contract:** 24 months
- ↳ **Project Location:** Khorasan Razavi - Mashhad



## Earthworks and Stabilization of Excavation for Mashhad Mall Project

- ↳ **Employer:** Setareh Tabnak Hashtom Toos company
- ↳ **Contractor:** Saab Niroom - Soil Mechanics Engineering Services
- ↳ **Date of Contract:** 2012/05/11
- ↳ **Duration of Contract:** 8 months
- ↳ **Project Location:** Khorasan Razavi - Mashhad



### Major Specifications of the Project:

Engineering services, procurement of materials, equipment, machinery and operations of earthworks and stabilization of excavation for Mashhad Mall Project, excavation volume of about 850,000 cubic meters, and surface stabilization of about 10,820 square meters



## Construction of Foundation for Mashhad Mall Project

## Volumes of the Works:

- Formworks: 17,500 square meters
- Steel Works with rebar: 8,600 tons
- Concrete: 105,000 cubic meters



- Employer: Setareh Tabnak Hashtom Toos
- Contractor: Saab Niroom Company
- Date of Contract: 2013/05/13
- Duration of Contract: 5 months
- Project Location: Khorasan Razavi - Mashhad



## Construction of the Multi-storey Parking of Imam Reza Stadium



- ↳ **Employer:** Physical Education Institute of Astan Ghods Razavi
- ↳ **Contractor:** Saab Niroom Company
- ↳ **Date of contract:** 2013/12/15
- ↳ **Duration of Contract:** 9 months
- ↳ **Project Location:** Khorasan Razavi, Mashhad

### Main Volumes of the Works:

- ↳ **Number of Floors:** 7 Floor
- ↳ **The floor area:** 38,000 square meters
- ↳ **Weight of steel structure:** 2800 ton



### Construction of Foundation and Concrete Structure for Commercial and Recreational Project of Pasargad Modern House

- ↳ **Employer:** Mr. Seyed Reza Hosseinian Cheshmeh
- ↳ **Project Manager:** Asar Bana Pars Company
- ↳ **Contractor:** Saab Niroo Company
- ↳ **Date of contract:** 2013/08/22
- ↳ **Duration of Contract:** 10 months
- ↳ **Project Location:** Khorasan Razavi - Mashhad



#### Specifications of the Project:

The works of the contract including: preparation and implementation of mat and strip foundation using concrete piles and implementation of concrete structure of the project with floor area of 75,000 square feet in seven floors



## Part Papyrus Paper Mill Building

- ↳ **Employer:** Part papyrus
- ↳ **Contractor:** Saab Niroom Company
- ↳ **Project Location:** Khorasan Razavi - Fariman

### Specifications of the Project:

The factory is located in Kaavian Industrial Estate, Development Phase, with a capacity of 42,000 tons and area of 77,000 square meters. It includes a production hall: 6520 square meters, an ancillary production hall: 2180 square meters, an administrative building: 720 square meters, a product warehouse: 5400 square meters, a warehouse for raw materials: 12,000 square meters, a staff outpost: 45 square meters, a car outpost and weighing bridge: 30 m<sup>2</sup>; and a firefighting pool: 200 cubic meters.

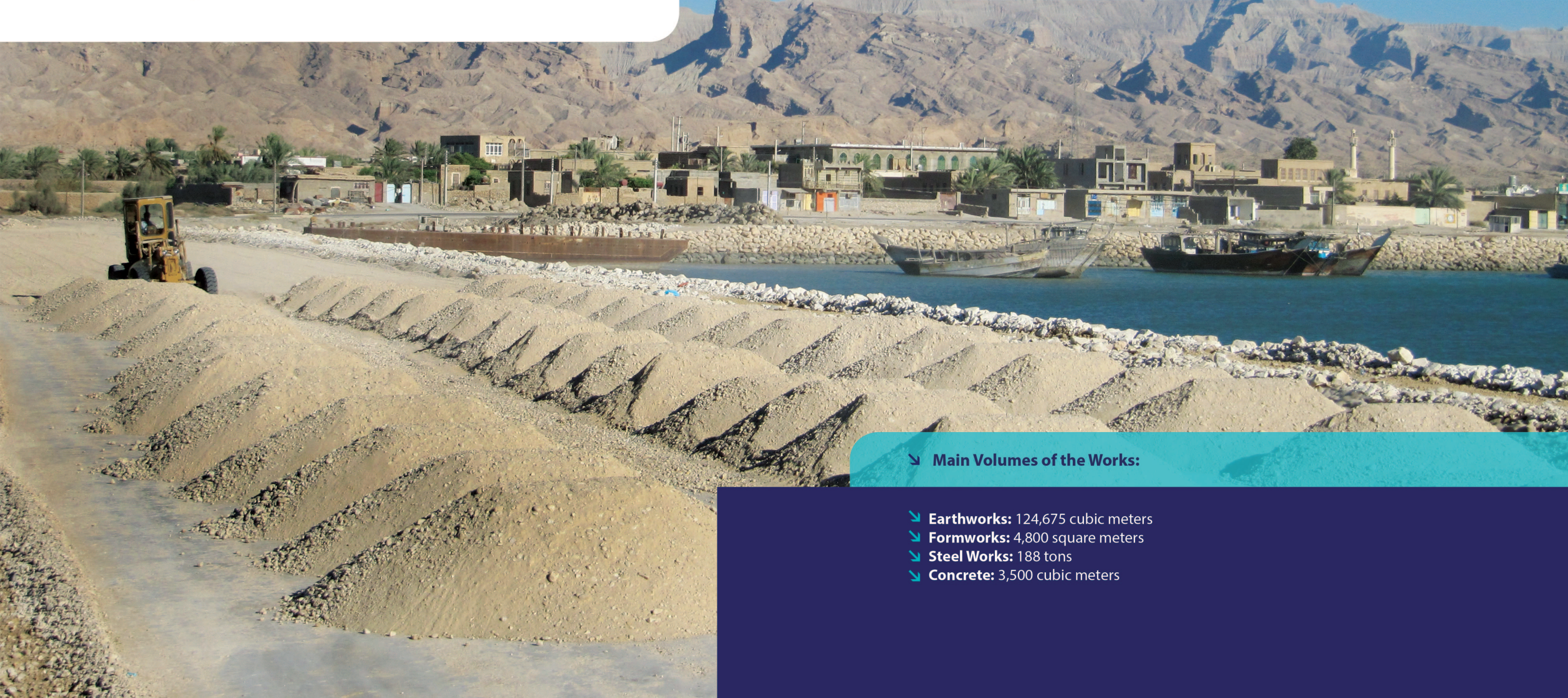


### Operations of support facilities and landscaping for Rostami fishing port

- ↳ **Employer:** Iranian Fisheries Organization (Shilat)
- ↳ **Consultant:** Sakoo Consulting Engineers Company
- ↳ **Contractor:** Saab Niroom Company
- ↳ **Date of contract:** 2009/09/29
- ↳ **Duration of Contract:** 24 months
- ↳ **Project Location:** Booshehr, Booshehr

### Specifications of the Project

- ↳ Construction of Support building and execution of canopy in pier and fishes auction part via space truss structures with about 2200 square meters area.
- ↳ Earthworks and foundations and pavement of Site, execution of sidewalk and Lighting system within the Port.
- ↳ Procurement of materials, construction and operation of septic and sewage disposal systems
- ↳ Procurement of materials and construction a pebble dike.
- ↳ Procurement of materials, construction and installation of floating Pontoon and boats parking



### Main Volumes of the Works:

- ↳ **Earthworks:** 124,675 cubic meters
- ↳ **Formworks:** 4,800 square meters
- ↳ **Steel Works:** 188 tons
- ↳ **Concrete:** 3,500 cubic meters