



PAVAN construction co.



No.29, Fatemiyeh St, Saba Blvd, Qeytarieh, Tehran, Iran

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***COMPANY'S  
OVERALL INFORMATION***

## General Information of the Company

**Company'S Name : PAVAN Construction Co.**

**Central Office Address : No. 29 - Fatemiyeh St - Saba Blvd - Qeytarieh - Tehran - Iran-1933694344**

Tel No :+98-21-40227304 , +98-21-40227324	Managing Director : AHMAD KHARAZI	
Fax No : +98-21-40227207	Registration Place Company : TEHRAN - IRAN	Registration No : 82893
Registration Date : 29/03/1991	Registered Capital : 1,854,000 US. Dollars	
Email Address : info@pavanco.com	Type of Company : Private Joint Stock Company	

### Main Share Holder Information

ROW	Name & Surname	Share Percentage	Position	Field of Knowledge	Graduating Date	Company Entering Date
1	AHMAD KHARAZI	37%	Managing Director	Civil Eng.	February 1980	1991
2	FARHAD KHARAZI	14.8%	Board Director	Civil Eng.	September 1987	1991
3	SAMERAND BABATAHERI	9.2%	Member of the Board	Civil Eng.	September 1997	1997

***Contractor's Certificate of  
Competency***

**State Emblem**

Number: 141622

**Islamic Republic of Iran**

Date: 21/06/2021

Vice-Presidency for Strategic Planning and Supervision

### **Contractor's Certificate of Competency**

**Sir Ahmad Kharazi**

Respectable Manager of Pavan construction company

Registration Number: 82893

National Identity: 10101275170

On the strength of approval No. H23251T/48013, dated March 2, 2003 enacted by the respectful ministers' council, and according to obtaining necessary conditions and confirmation of Pavan company competency in Comprehensive System of Identifying the Competency of technical and administrative system agents, competency of the abovementioned company hereby is announced for performing contractual affairs as follows:

- |  |                        |
|--|------------------------|
| ● First Grade on Building and Structure field                        | with 4 allowable works |
| ● First Grade on Dams, Canals, Conveyance canals, Irrigation network | with 4 allowable works |
| ● First Grade on Road, Tunnel, Railway and Transportation field      | with 4 allowable works |
| ● First Grade on Installations and Equipment field                   | with 4 allowable works |
| ● Fifth Grade on Industry and Mine field                             | with 3 allowable works |

Observation of Law for holding tenders approved under No. 130890 dated Feb. 05, 2005, of the relevant Bye- Law and authorized working capacity at the time of referring work by that company shall be compulsory.

Seyed Javad Ghanefar  
Deputy of Strategic Supervision, Consultants and Contractors

The present certificate is being valid as of issuing date to end of evaluation term and utmost till 06/07/2025.

# *PAVAN CONSTRUCTION COMPANY*

*COMPANY'S PROJECTS*

## Projects were done by Company

## PAVAN Construction Co.

ROW	Agreement Subject	Employer's Name	Consultant's Name	Project Place	Sum of Agreement in US. Dollars	Finishing Date
1	400 Residential units - Sanandaj	National Land & Housing Organization	Kurdistan Housing Authority	Sanandaj	7,407,407	December 1998
2	Payab Gheshlagh's main conveyance canal - Sanandaj	West Regional Water Authority	Lar Consulting Engineer Co.	Sanandaj	7,578,348	December 2002
3	Abas abad's Interchange Bridges -Tehran	Tehran Municipality	Sazian Consulting Engineer Co.	Tehran	8,262,108	March 2003
4	Cultural Complex - Sanandaj	Kurdistan Governorate	Engineer Farhadi & Colleagues	Sanandaj	8,547,009	March 2003
5	Excavation and Supporting structure - Station V2 - Tehran Metro	Tehran urban and suburban railway company ( Metro)	Sano Consulting Engineer Co.	Tehran	2,019,182	March 2004
6	Water Conveyance Canal from Simindasht to Garmsar from km 13+646 to km 20+420	Tehran Regional Water Authority	Lar Consulting Engineer Co.	Simin Dasht	3,785,489	June 2004
7	Water Diversion Tunnel - Marvak dam	West Regional Water Authority	Ab Fan Consulting Engineer Co.	Dorood	13,521,127	July 2004
8	Wagon Manufacturing Factory - Metro south terminal- Tehran	Tehran urban and suburban railway company ( Metro)	Boad Chaharom Novin Consulting Engineer Co	Tehran	8,498,914	January 2007
9	Irrigation & Drainage Network of Bilevar field - Kamyaran	Kermanshah Regional Water Authority	Mahab Ghodss Consulting Engineer Co.	Kamyaran	6,863,426	March 2008
10	Aidoghmoosh- Water conveyance canal and tunnel - Miyaneh	East Azarbayejan Regional Water Authority	Yekom Consulting Engineer Co.	Miyaneh	25,115,692	November 2009
11	Tohid Metro Station E4 and 1280 meter Tunnel of Line 4 - Tehran	Tehran urban and suburban railway company ( Metro)	Polmir Consulting Engineer Co.	Tehran	26,928,226	August 2012
12	Shahid Madani (VANYAR) Dam & Baghmisheh Road & Airport Road	East Azarbayejan Regional Water Authority	Ghods Niroo Consulting Engineer Co	Tabriz	44,173,355	July 2012

## Projects were done by Company

### PAVAN Construction Co.

ROW	Agreement Subject	Employer's Name	Consultant's Name	Project Place	Sum of Agreement in US. Dollars	Finishing Date
13	Preparation, civil, landscaping and infrastructure installation area outside of the ring of multipurpose complex of Hesarak , Karaj	Iranian Development Direction Company	Bavand Consulting Engineer Co	Karaj	27,567,700	June 2015
14	Miyaneh-Bostanabad-Tabriz Railway Lot 5 from km 86+996 to km 106+997 and Heidar Baba Bridge with 420 m. Length	Road and Transport Ministry-Implement and development of infrastructure of Transportaion company	Haraz Rah Consulting Engineer Co	Qharechaman	56,839,804	August 2016
15	Khoda Afarin Main Canal and related technical buildings	East Azarbayejan Regional Water Authority	Tavan Ab Consulting Engineer Co	Khoda Afarin	39,229,274	August 2019
16	Lot 5 and Lot 6 of Tizh Tizh - Garan Road and Baghan Tunnel	Main Office Of Roads & Urban Development Of Kurdistan	Rahyab Melal Consulting Engineers Co	Sanandaj-Marivan	30,483,961	June 2021
17	Ghiz Ghale' Si Dam Project (Constructional works and first stage of hydro mechanical instruments)	East Azarbayejan Regional Water Authority	Mahab Ghodss Consulting Engineers Co	Khomarloo	54,792,405	February 2022



## Executorial Experiences - Company's Current Projects

**PAVAN Construction Co.**

ROW	Agreement Subject	Employer's Name	Consultant's Name	Project Place	Sum of Agreement in US. Dollars	Finishing Date according to Agreement	Progress Percentage
1	Lot 5 of Khaje- Varzeqan - Aghababa Highway	Main Office Of Roads & Urban Development Of East Azarbayejan	Rahab Consulting Engineers Co	Varzeqan	23,325,634	26/03/2025	78%
2	Construction of substructure of the Fourth Section of Ilam Province Connection to Country's Railway Network	Road and Transport Ministry- Construction and Development of Transportation Infrastructures Company	Pars Consulting Engineers Co	Kermanshah	18,610,107	01/12/2025	13%
3	Section 4 of Khorramabad- Poldokhtar axis (Morani- Poldakhtar border)	Road and Transport Ministry- Construction and Development of Transportation Infrastructures Company	Hexa Consulting Engineers Co	Poldokhtar	25,539,976	22/10/2025	31%

***PROJECTS DESCRIPTION  
& PICTURE***

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**400 Residential Units -  
Sanandaj**



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**400 Residential Units - Sanandaj**

**(1997-1998)**



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This project was built in the mountain zone and located in south of Sanandaj city and the Area is about 30156 square meter. All the process including all design phases ( architectural , structure , instalation) and implementation works was done by this company . This complex included 400 Residential units in pour separate block and different Area included : (37 , 45-48 , 53 , 65 , 72 ) square meter.

The structure system that is used in this Complex is concrete frame with light ceiling materials. Heating system is heater and the Air condition system is water cooler .

Mentionable that the total Area of this complex is about 28000 square meter .

Major operation activities are :

1- Excavation	43,235	Cub.m
2- Embankment	26,300	Cub.m
3- Concrete Work	11,266	Cub.m
4- Bar Work	750	Ton
5-Light Steel Work	25	Ton
6- Cast Iron Pipe	16,266	M.L
7- Steel Pipe	25,666	M.L

***PAVAN Construction Co.***

***Payab Gheshlagh's Main  
Conveyance Canal -  
Sanandaj***



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**Payab Geshlaghs Main Conveyance Canal - Sanandaj (1999-2002)**



## Payab Geshlagh's Main Conveyance Canal - Sanandaj

### *PAVAN Construction Co.*

Including :procurement of all construction equipment and construction , installing,Analayzing and Implement of the Geshlagh payab main conveyance canal and making of hydro mechanical equipment related to flow control system and training the operation personnel and procurement of the As-Built drawings and preparing and maintenance and operation instruction .

Major operation activities are :

1- Excavation-in rock & soil	97,840	Cub.m
2- Excavation-Canal	37,368	Cub.m
3- Form Work	72,469	Sq.m
4- Bar Work	1,065	Ton
5- Concrete Work	17,676	Cub.m
6- Construction of Administrative & Residential & Back up	728	Sq.m



***PAVAN Construction Co.***

***AbasAbad's Interchange  
Bridges - Tehran***



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## Abas Abad`s Interchange Bridges - Tehran (2001-2003)



## Abas Abad's Interchange Bridges - Tehran

### *PAVAN Construction Co.*

Constructing the Interchange Bridges No .2 , 3 and retaining walls zone No . 4 - Abas Abad field .

Major operation activities are :

1- Excavation	97,648	Cub.m
2- Embankment	3,955	Cub.m
3- Form Work	19,786	Sq.m
4- Bar Work	1,380	Ton
5-Heavy Steel Work	72	Ton
6- Concrete Work	12,434	Cub.m

***PAVAN Construction Co.***

***Cultural Complex - Sanandaj***



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## Cultural Complex - Sanandaj

(2000-2003)



*PAVAN Construction Co.*

Including :Construction of cultrual complex in sanandaj city. Type of structure is consist of concrete frame with light ceiling. Total area is about 12000 square meter that included in to amphitheater , gathering hall , library and landscaping , also providing all the equipments and installations. This cultrual complex is the largest and one of the most complete in the west zone of the country.

Major operation activities are :

1- Excavation	13,482	Cub.m
2- Concrete Work	6,183	Cub.m
3- Bar Work	430	Ton
4-Heavy Steel Work	452	Ton
5-Light Steel Work	71	Ton
6-Stone wall	12,000	Cub.m
7- Cast Iron Pipe	2,500	M.L
8- Steel Pipe	6,500	M.L

***PAVAN Construction Co.***

***Excavation and Supporting  
Structure - Station V2 -  
TEHRAN Metro***



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### Excavation and Supporting Structure - Station V2 -Tehran Metro(2002-2004)





## Excavation and Supporting Structure- Station V2- Tehran Metro

### ***PAVAN Construction Co.***

Including : 119 concrete piles excavation(Dia. : 1 meter ave. depth : 27 meter) in order to support the temporary steel deck . Construction and installation of 55 steel deck ( ave. length : 20 meter - ave. width : 2.5 meter - ave. weight : 20 ton )

Construction and installation of concrete piles struts in 4 levels (ave. weight : 800 ton)

- Excavation under the installed steel deck.

Major operation activities are :

1- Excavation-open area	12,000	Cub.m
2- Excavation-closed area	35,000	Cub.m
3- Pile excavation	4,000	M.L
4- Bar Work	380	Ton
5- Concrete	6,320	Cub.m
6-Heavy Steel Work	1,500	Ton
7-Asphalt	15,092	Sq.m

# ***PAVAN Construction Co.***

***Water Conveyance Canal  
from Simindasht to  
Garmsar - km 13+646  
to km 20+420***



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**Water Conveyance Canal from Simindasht to Garmsar (2002-2004)**



## Water Conveyance Canal from Simindasht to Garmsar - km 13+646 to km 20+420

### *PAVAN Construction Co.*

Including :Construction of the canal (ave. length :6774 meter ) , Angled drops (30 no. )  
, Concrete culverts (10 no.) ,Overpass bridges in form of aquaduct (ave . Length : 50 meter) ,  
Containing Wall (ave. length : 3750 meter), Concrete Siphone (ave . Length : 250 meter ) ,  
Covered concrete box (ave. length 400 meter )and intake structures( 4 no.)

Major operation activities are :

1- Excavation-in rock &soil	770,362	Cub.m
2- Excavation-Canal	13,028	Cub.m
3- Embankment	621,537	Cub.m
4- Rock fills and Masonary Walls	24,300	Cub.m
5- Form Work	56,311	Sq.m
6- Bar Work	905	Ton
7- Concrete work	28,552	Cub.m
8- Construction of Administrative & Residential & Back up bld.	520	Sq.m

***PAVAN Construction Co.***

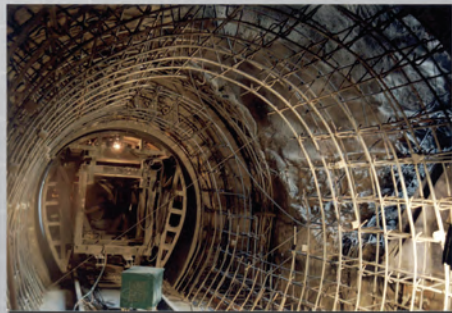
***Water Diversion Tunnel -  
Marvak Dam***



PAVAN construction co.

## Water Diversion Tunnel - Marvak Dam

(2001-2004)



## Water Diversion Tunnel - Marvak Dam

### *PAVAN Construction Co.*

Including implementing and excavation and lining of the two Tunnel , each 500 meter long and two vertical and one angled shaft ( total length:120 meter) and their subordinate structures in beginning along and at the end of the part and also Pre-Constructing the camp and landscaping of the camp.

Major operation activities are :

1- Excavation	138,754	Cub.m	
2- Embankment	67,312	Cub.m	
3- Drilling work (Tunnel & Shaft )	39,595	Cub.m	
4- Bar Work	445	Ton	
5-Concrete Work	13,694	Cub.m	
6- Construction of Administrative & Residential & backup buildings	1,926	Sq.m	

# ***PAVAN Construction Co.***

***Wagon Manufacturing  
Factory - Metro south  
Terminal - Tehran***





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### Wagon Manufacturing Factory - Metro South Terminal - Tehran (2004-2007)



## Wagon Manufacturing Factory - Metro South Terminal - Tehran

### ***PAVAN Construction Co.***

Including :Construction of six buildings of the wagon manufacturing factory -Fath Abad- Tehran.

The project is located in front of the FathAbad refinery- Qom Road- Azadegan highway

The buildings details are mentioned below:

1- Building no.1-(wagon montage site)-includes two parts -First part :main site for manufacturing two storey and typical wagon - Second Part : administrative building -Total area is about 19500 square meters .In the main site,steel trusses are used in roofing and the structure of administrative building is steel.

2- Building no.2 - (Electrical post)- contains of the two storey concrete building with a total area of 300 square meters.

3- Building no. 3- (Dormitory & Restaurant & Hospital &Prayer room)- contains of two storey concrete buliding with a total area of 1400 square meters.

4- Building no. 4- (Security room-Fire room)- contains of one storey concrete buliding with a total area of 300 square meters.

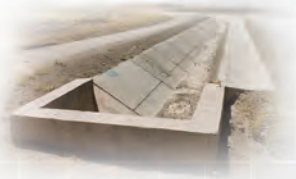
5- Buildings no. 5 & 6 are used as mechanical room.

Major operation activities are :

1- Excavation&Embankment	40,000	Cub.m
2- Form Work	15,000	Sq.m
3- Bar Work	1,200	Ton
4- Concrete	10,000	Cub.m
5- Heavy steel Work	1,700	Ton
6- light steel Work	300	Ton
7-Covering walls - sandwich pannel	10,000	Sq.m

***PAVAN Construction Co.***

***Irrigation and Drainage  
Network of Bilevar Field -  
Kamyaran***



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### Irrigation and Drainage Network of Bilevar Field - Kamyaran (2004-2008)



## Irrigation and Drainage Network of Bilevar Field -Kamyaran

### *PAVAN Construction Co.*

Including :Implementing and construction of irrigation and drainage network of B3,B4 zones- developing area of BILEVAR field.This project was located between Kermanshah and Kordistan Provinces and was 70 Km far from Kermanshah city-west of the Kamyaran city.

Overall description:

1- Main canal	20	Km
2- Rock drainage	30	Km
3- Cement piping	13	Km
4- technical buildings of canal& drainage &pipes		

This project contains several parts : Construction of the main canal and siphons that passed rivers and roads- Pipelining- Installing valves-Implementing basins and construction of drainages and structures related to it.

Major operation activities are :

1- Excavation-in rock &soil	526,780	Cub.m
2- Excavation-Canal	204,033	Cub.m
3- Embankment	479,742	Cub.m
4- Rock fills and Masonary Walls	50,566	Cub.m
5- Form Work	44,654	Sq.m
6- Bar Work	1,040	Ton
7- Concrete work	20,657	Cub.m
8- Construction of Administrative & Residential & Back up bld.	1,200	Sq.m

***PAVAN Construction Co.***

***Aidoghmoosh - Water  
conveyance Canal and  
Tunnel - MIYANEH***



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**Aidoghmoosh- Water Conveyance Canal and Tunnel - MIYANEH**

**(2005-2009)**



## Aidoghmoosh - Water Conveyance Canal and Tunnel - MIYANEH

### *PAVAN Construction Co.*

Including :implementing and construction of the Aidoghmoosh irrigation and drainage network included conveyance tunnel and canal.

Project is located in Aidoghmoosh area -south of the Miyaneh city.

Detials are mentioned below:

- 1- Construction of the canal (ave. length : 6.7 Km)
- 2- Construction of one unit of tunnel ( ave. length : 2.28 Km)
- 3- Construction of two unit of tunnel ( ave. length of each one: 560 m)
- 4- Construction of the technical buildings related to canal .
- 5- Construction of the canal service roads (ave.of total length : 6.7 Km)

Major operation activities are :

1- Excavation-in rock	879,000	Cub.m
2- Excavation-Canal in rock	147,800	Cub.m
3- Tunnel drilling	73,155	Cub.m
4- Steel frames for tunnel	74	Ton
5- Form Work (canal)	69,180	Sq.m
6- Form Work (tunnel)	15,697	Sq.m
7- Bar Work	3,590	Ton
8- Concrete work (canal)	22,361	Cub.m
9- Concrete work (tunnel )	20,993	Cub.m
10- Shotcrete	80,842	Sq.m



***PAVAN Construction Co.***

***Tohid Metro Station (E4),  
And 1280 meter Tunnel Of  
Line 4 -Tehran***



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Tohid Metro Station (E4), and tunnel of Line 4 - Tehran

(2007-2011)



## Tohid Metro Station (E4) , and the 1280 m. tunnel of Line 4 - Tehran

### *PAVAN Construction Co.*

Implementing operations in Tohid Metro Station (E4) , and the 1280 m. tunnel of Line 4:

1. Structure and guard structure of the station
2. Station's architecture
3. Station's electrical and mechanical installations
4. Tunnel ventilator (E4-D4)
5. 1280 m. Tunnel

Tohid Station has an area of 11550 square meters and includes the following items:

Ticket Hall: 5950 square meters, platform level: 440 square meters, below platform level:

1200 square meters, a unit of tunnels: 1280 meters.

Major operation activities are :

1- Station Excavation	126,000	Cub.m
2- Pile Excavation	2,534	meters
3- Tunnel Excavation	85,000	Cub.m
4- Bar Work	5,460	Ton
5- Framing	33,748	Sq.m
6- Formwork in the tunnel	30,343	Sq.m
7- Concrete	59,879	Cub.m
8- Shotcrete	68,000	Sq.m
9- Heavy steel works	2,130	Ton

# ***PAVAN Construction Co.***

***Shahid Madani  
(VANYAR) Dam***



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Madani Dam - Tabriz 1400



(2007-2012)



## Shahid Madani (VANYAR) Dam & Baghmisheh Road & Airport Road

### **PAVAN Construction Co.**

The capacity of Shahid Madani (Vanyar) Dam is 280 million m<sup>3</sup> and includes the following processes :

- Executive operation on Vanyar Dam and lateral structures
- Access way from Baghmisheh to crest, with 6.15 kilometer length.
- Access way from Dam to Airport with 8.5 kilometer length.

Operation territory and a brief description of project details:

#### **VANYAR'S RESERVOIR:**

This dam is located on Aji Chai river situated at the lower part of Vanyar Village within 5 kilometers of northeast of Tabriz (Tabriz-Abhar Road). The dam is made of clay core with a foundation of 92 meters high and a crest of 277.35 meters long and 10 meters wide.

1- Excavation	1,950,000	Cub.m
2- Shell Gravel	655,080	Cub.m
3- Rockfill	454,000	Cub.m
4- Clay	370,000	Cub.m
5- Coarse filter	98,000	Cub.m
6- Fine filter	98,000	Cub.m
7- Transition Gravel	64,500	Cub.m
8- Rip-Rap	62,500	Cub.m
9- Bar work	4,450	Ton
10- Form work	55,500	Sq.m
11- Concrete work	95,000	Cub.m

#### **Baghmisheh and Airport Roads**

1- Excavation	360,000	Cub.m
2- Embankment	145,000	Cub.m
3- Subbase	42,000	Cub.m
4- Base	29,000	Cub.m
5-Asphalt	1,230,000	Sq.m / cm

# ***PAVAN Construction Co.***

***Preparation, Civil, Landscaping  
and Infrastructure Installation  
Area Outside of the Ring of  
Multipurpose Complex of  
Hesarak , Karaj***



PAVAN construction co.



**Preparation, Civil, Landscaping and Infrastructure Installation of Hesarak Multipurpose Complex, Karaj (2013-2015)**





**Preparation,Civil,Landscaping and Infrastructure Installation Area Outside of the Ring of Multipurpose Complex of Hesarak , Karaj**

***PAVAN Construction Co.***

The Alborz Madani Center is located in area of 150000 m<sup>2</sup> in Hesarak Karaj. This project includes preparation operations as well as excavation, landscaping and also infrastructure installation as well as high tension power grid, telephone, water and waste water installation, construction of main electrical post enclosure and building , waste water purification and water supply zone.

Major operation activities are :

1- Excavation	123,280	Cub.m
2- Foundation digging	121,600	Cub.m
3- Embankment	102,840	Cub.m
4- Form work	50,000	Sq.m
5- Bar work	1,500	Ton
6- Concrete work	13,070	Cub.m
7- Steel work	110	Ton
8- Polyethylene pipe	3,918	ML

# ***PAVAN Construction Co.***

**Miyaneh - Bostanabad- Tabriz  
Railway Lot 5 From km  
86+996 to km 106+997 and  
Heidarbaba Bridge with 420 m  
Length**



PAVAN construction co.



**Miyaneh-Bostanabad-Tabriz Railway Lot 5**

**(2012-2017)**



**Miyaneh-Bostanabad-Tabriz Railway Lot 5 from km 86+996 to km 106+997 and Heidar Baba Bridge with 420 m Length**

***PAVAN Construction Co.***

Miyaneh - Bostanabad - Tabriz Railway- lot 5,from 86+996 kilometer to 106+997, is located in Eastern Azerbaijan and includes the following processes:

- 1- Earthworks,including all neccessary functions to complete the railway infrastructure.
- 2-Heidarbaba great bridge with 420 meter length including two 30 meteres spans and nine 40 meteres spans, 136 piles and 1700 tons Iron deck.
- 3- Technical buildings including bridges,culverts,walls and another technical buildings and protection works.
- 4- 230 meteres Gallery
- 5- 150 meteres Retaining walls
- 6-Special Bridge intersects with oil and gas pipes with 13 meters span and 18 piles.
- 7- Shahryar Way Station with 300 square meters area and the implementation of related facilities and landscaping

Major operation activities are :

1- Excavation	2,150,220	Cub.m
2- Embankment	750,000	Cub.m
3- Bar work	3,965	Ton
4- Form work	51,000	Sq.m
5- Concrete work	42,360	Cub.m
6- Heavy steel work	1,700	Ton
7- Pile Driving	154	Pcs
8- Way Station	300	Sq.m
9- Predalle	4,620	Sq.m

***PAVAN Construction Co.***

***Khoda Afarin Main Canal and  
Related Technical Buildings***



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## Khoda Afarin Main Canal

(2013-2017)



## Khoda Afarin Main Canal and Related Technical buildings

### *PAVAN Construction Co.*

Khoda Afarin Main Canal is located in Eastern Azerbaijan. This zone of operations is a part of the border river of Aras basin area and is located in northern latitudes of the country. The main canal length is about 14.89 kilometers, and includes the following processes:

1- Main canal with a trapezoidal cross section with concrete cover (lining)	11,840 meters
2- Rectangular canal with reinforced concrete	1,540 meters
3- Culvert structure with reinforced concrete, under the main canal direction	53 sets
4- 2 set of siphons with five string steel pipes of 3000 mm. diameter	3,480 meters
5- Impoundments	10 sets
6- Car bridge structures	8 sets
7- Side spillway structure	2 sets
8- Supper passages	4 sets

Major operation activities are :

1- Excavation	4,083,515	Cub.m
2- Embankment	1,701,865	Cub.m
3- Canal digging	657,145	Cub.m
4- Form work	96,475	Sq.m
5- Bar work	5,490	Ton
6- Concrete work	296,175	Cub.m
7- 3000 mm diameter Steel pipe	3,480	M

***PAVAN Construction Co.***

***Ghiz Ghale' Si Dam Project***





PAVAN construction co.



Ghiz Ghale' Si Dam Project

(2016 - 2022 )



This project is located in The Eastern Azarbaijan Province, the capacity of the Dam is 62 million m<sup>3</sup> and includes the following processes:

#### **A. Constructional works**

- 1- Embankments, Drilling and grouting in side banks.
- 2- Agricultural outlet structures and Left and right control buildings
- 3- Spillway structures and Left and right power plants
- 4- Second stage of Diversion
  - Excavation the ending of right and left outlet canals.
  - Removing dykes and implementation of intermediate dyke.
  - Construction and waterproofing of intermediate dyke.
- 5- Dam body -intermediate section.
- 6- Left and right spillway structures -final stage.
- 7- Catchment basins for Khod Afarin dam.
- 8- Supplementary works, asphalt and lighting system of crest.

#### **B. First stage of hydro mechanical, electrical and control instruments.**

1. Bottom tipper system.
2. Hydro mechanical instruments of power plant.
3. Diversion gate.
4. Designing, supply, production, transportation and installation of all Electricity and control element
5. Training of employer personnel.
6. Checking and completing the designs of frame lid of service, emergency, electricity and control g

Major operation activities are :

1- Excavation	1,240,000	Cub.m
2- Shell Gravel	951,326	Cub.m
3- Rockfill	200,000	Cub.m
4- Clay	170,210	Cub.m
5- Coarse filter	87,000	Cub.m
6- Fine filter	93,800	Cub.m
7- Rip-Rap	33,000	Cub.m
8- Bar work	15,245	Ton
9- Form work	97,844	Sq.m
10- Concrete work	218,410	Cub.m

***PAVAN Construction Co.***

***Lot 5 and Lot 6 of  
Tizh Tizh - Garan Road  
and Baghan Tunnel***



PAVAN construction co.



Lot 5 and Lot 6 of TizhTizh-Gharan Road and Baghan Tunnel

(2016 -2021)



## Lot 5 and Lot 6 of Tizh Tizh - Garan Road and Baghan Tunnel (Marivan)

### **PAVAN Construction Co.**

Lot 5 and Lot 6 of Tizh Tizh - Garan Road and Baghan Tunnel Project is located in Kurdistan province. The project includes the construction of approximately 10 km paved road and 1,886m tunnel. The project consists of following lots:

1 - Km: 37+500 - 39+508

Construction of paved road with the total length of 2000 m which consists of two 3.65 m lanes, plus two 1.55 m paved shoulders and two 0.3 m unpaved shoulders.

2 - Km: 39+508 - 41+393

Construction of an approximately 1,886m tunnel, which includes two 4.65 m lanes plus two 0.6m sidewalk at the sides.

3 - Km: 41+393 - 42+200

Construction of paved road with the total length of 807 m , which consists of three 3.65-m lanes, plus two 1.55 m paved shoulders and two 0.3 m unpaved shoulders.

4 - Km: 42+200- 42+280

Construction of paved road with the total length of 80 m , which consists of three 3.65-m lanes, plus two 1.35 m paved shoulders and two 1.5 and 0.5 m unpaved shoulders.

5 - Km: 42+280- 43+702

Construction of paved road with the total length of 1422 m , which consists of three 3.65-m lanes, plus two 1.35 m paved shoulders and two 0.5 m unpaved shoulders.

6 - Km: 43+702- 49+300

Construction of paved road with the total length of 5598 m , which consists of two 3.65-m lanes, plus two 1.35 m paved shoulders and two 0.5 m unpaved shoulders.

Major operation activities are :

1- Excavation	1,371,020	Cub.m
2- Tunnel Excavation	163,125	Cub.m
3- Embankment	588,320	Cub.m
4- Form work	84,110	Sq.m
5- Concrete work	9,435	Cub.m
6- Tunnel Lining	16,410	Cub.m
7- Foundation digging	10,570	Cub.m
8- Steel Frame for Tunnel	714	Ton
9- Mesh work in Tunnel	245	Ton
10- Bar work	1,235	Ton
11- Base Course	59,965	Cub.m
12- Prime coat	147,435	Kg
13- Tack coat	131,700	Kg
14- Asphalt	1,913,955	Sq.m - cm

***PAVAN Construction Co.***

***Fifth Section of  
Khajeh-Varzaghan-Aghababa's  
Highway***



PAVAN construction co.

Lot 5 of Khaje- Varzeqan - Aghababa Highway



(2019- \_)



## Fifth Section of Khajeh-Varzaghan-Aghababa's Highway

### **PAVAN Construction Co.**

The Fifth Section of Khajeh-Varzaghan-Aghababa's highway (from kilometer 50+200 to 61+550) is located in East Azerbaijan province. This project is approximately 11,350 meters length, with the final width of 15 meters. It includes 11 meters of asphalt roads and two gravel shoulders, each with the width of 2 meters. Subgrade construction, base, asphalt, and technical structures are as follows:

- 1-Road's earth work, subbase, base, and asphalt, including all necessary works to complete its subgrade construction and pavement
- 2-Construction of valley culverts at station 58+148, including two 6 meters' spans
- 3-Construction of Varzaghan-Kasan's rural underpass at station 55+455 including an 8 meters' span
- 4-Overpass Bridge construction on Ahar-chay link-road at station 54+980 including three 10 meters' spans
- 5-Construction of an underpass structure with the Varzaghan-GovinjehSoltan link-road at station 50+531, including an 8 meters' span

The main volumes of the project are as follows:

1- Excavation Work	1,531,000	Cub.m
2- Embankment	958,400	Cub.m
3- Form work	32,681	Sq.m
4-Concrete Pouring	22,211	Cub.m
5-Rebar Tying	783	Ton
6-Base Course	50,564	Cub.m
7-Prime Coat	106,099	Kg
8-Asphalt Binder	1,822,356	Sq.m-Cm
9-Asphalted Surface	1,512,387	Sq.m-Cm



***PAVAN Construction Co.***

***Construction of substructure of the  
Fourth Section of Ilam  
Province Connection to Country's  
Railway Network***



PAVAN construction co.



**Construction of substructure of the Fourth Section of Ilam Province Connection to Country's Railway Network (2018 - \_)**



## Construction of substructure of the Fourth Section of Ilam Province Connection to Country's Railway Network

### *PAVAN Construction Co.*

Subgrade construction of the fourth section of Ilam-West EslamAbad has the length of approximately 17 kilometers. This project is located in Kermanshah province and includes the following operations:

- 1-Earth work operations that includes all necessary steps for completing the railway's subgrade construction
- 2-Construction of Sarmast railway station located in Gowawar area with the length of 1200 meters
- 3-Construction of two major bridges with the length of 20 and 30 meters
- 4-Construction of an overpass bridge on the Sarmast city to Chikan village link road
- 5-Construction of crossing structures from the gas pipeline
- 6-Culvert construction with two spans of 5 meters' length
- 7-Construction of tunnel no.1 with the length of 400 meters and executive operations of entry and exit portals with the overall length of 180 meters
- 8-Construction of tunnel no.2 with the length of 1260 meters and executive operations of entry and exit portals with the overall length of 390 meters
- 9-Construction of tunnel no.3 with the length of 2220 meters and executive operations of entry and exit portals with the overall length of 540 meters

The main volumes of the project are as follows:

1- Excavation Work	785,425	Cub.m
2-Tunnel Excavation	206,640	Cub.m
3-Embankment	762,590	Cub.m
4-Concrete Forming	134,335	Sq.m
5-Concrete Pouring	34,215	Cub.m
6-Tunnel Lining	24,505	Cub.m
7-Tunnel Framing	288	Ton
8-Tunnel Wire Mesh Reinforcing	991	Ton
9-Rebar Tying	2,506	Ton
10-Shotcrete	1,355,300	Sq.m-Cm
11-Stone Work	6,015	Cub.m
12-Subballast	18,200	Cub.m
13-River Materials(For Embankment)	19,405	Cub.m
14-Rockfill	367,500	Cub.m

# ***PAVAN Construction Co.***

***Section 4 of Khorramabad-  
Poldokhtar axis  
(Morani-Poldakhtar border)***



PAVAN construction co.



Section 4 of Khorramabad-Poldokhtar axis (Morani-Poldakhtar border) (2020 - \_)



## Section 4 of Khorramabad-Poldokhtar axis (Morani-Poldokhtar border)

### ***PAVAN Construction Co.***

Khorramabad-Poldokhtar road as part of Ahvaz-Khorramabad transit axis, is one of the main parts of the north-south exchange corridor of Iran. The total length of Khorramabad-Poldokhtar axis is 48 km and the final lot, lot 4, in the area of Morani village to Poldokhtar city, with a length of 12 km, is the subject of this project.

Due to the special location of the project in the impassable mountainous areas of Lorestan province, the project includes the construction of 4 tunnels in the area of Morani and Babazeid villages, a tunnel in Poldokhtar district, and two special bridges.

Construction of 4000 meters length of protective wall in the vicinity of the route with the river is planned in order to protect the route against seasonal floods caused by the rising water level of Kashkan (Karkheh) river. And also in order to cross the intersection of the axis with Babazeid road, the construction of a bridge with ramps and loops is anticipated.

Renovation and improvement of damaged parts of the existing route, caused by devastating flood of the Kashkan River in the early spring of 2019, is one of the main parts of the project.

The main volumes of the project are as follows:

1- Excavation Work	550,000	Cub.m
2- Foundation Digging	15,000	Cub.m
3- Bedding	60,000	Sqr.m
4- Embankment	260,000	Cub.m
5- Tunnel Excavation	250,000	Cub.m
6- Anchor Rod	20,000	Meters
7- Pile	7,000	Meters
8- Stone Works	77,000	Cub.m
9- Form work	125,000	Sq.m
10- Rebar Tying	3,200	Ton
11- Steel	1,350	Ton
12- Concrete Pouring	75,000	Cub.m
13- Subbase and base	63,000	Cub.m
14- Prime Coat	130	Ton
15- Emulsion	50	Ton
16- Asphalt Binder	811,000	Sq.m-Cm
17- Asphalt Surface	579,000	Sq.m-Cm
18- Marking	37,000	Meters
19- Geotextiles	31,000	Sq.m

***PAVAN CONSTRUCTION COMPANY***

***COMPANY'S  
EQUIPMENTS &  
MACHINERY***

# Company's Machinery and Equipments List

## PAVAN Construction Co.

ROW	MACHINE	MODEL	NO
1	Bulldozer	Komatsu	6
2	Loader	Volvo- Caterpillar- Komatsu	10
3	Hydraulic Excavators	Komatsu	10
4	Truck	Mercedes Benz - Volvo	34
5	Truck Mixer	Mercedes Benz - Volvo	14
6	Grader	Caterpillar-Komatsu-Liugong	4
7	Soil Compactor	Hepco	11
8	Dump Truck	Komatsu	2
9	Crane	Tadano - Komatsu- Kato	10
10	Sideboom	Komatsu (D355C)	1
11	Hydraulic Jambo Drill	Tamrock	3
12	Pile Drilling Machine	Soilmeck	1
13	Hydraulic Drill Wagon	Tamrock	2
14	Tractor	Perkins	5
15	Mobile Concrete pump	Mercedes Benz- Amico	3
16	Water Tank Truck	Mercedes Benz - Mack	3
17	Fuel Truck	Mercedes Benz	2
18	Cement Bunker	Mercedes Benz	4
19	Disel Generator	Caterpillar-Volvo	10
20	Batching plant	Rah Machine	3
21	Stone Crusher & Sand Washer	-	6
22	Cement Silos	-	12
23	Caravan	Mammut	20