

## Pozo de los Ramos diversion dam

Located on the Sorbe river basin, between the Ayllón mountains and the Alto Rey mountains, it transfers the waters from the Sorbe river to the Jarama channel through a tunnel with an effective capacity of 6.5 cubic metres per second.

The average annual flow of the river at this point is of one hundred and sixty two million cubic metres.

Year of entry  
into service

1972

Source

Canal del Sorbe

Location

Tamajón  
(Guadalajara)



## Dam

Type:	Gravity. Straight shape
Height above foundations:	30 m
Crest length:	82 m
Volume of masonry:	18,000 m <sup>3</sup>



## Operating elements

Spillways:	1
Spilling capacity:	376 m <sup>3</sup> /s
Outlets:	1
Dewatering capacity:	5.0 m <sup>3</sup> /s

## Monitoring elements

- 6 joint opening meters
- 2 piezometers
- 18 topographical bases for levelling and collimation
- 5 points of area gauging

## Automated monitoring elements

- Reservoir point gauge
- Thermometer
- Rain gauge

## Diversion duct

- Transfer of water from the Sorbe river to the Jarama channel