

Dams in Jordan

Jordan is among the ten most water stressed countries in word ,dam construction was on the top priority of the Jordan development plans .

Six dams were constructed in the north and middle Jordan valley with a total storage capacity of 160 MCM . These dams include Arab , ziglab , King Talal ,Karameh ,Shueib and Kafrein .three other dams (Wala, Mujib and tannur) were constructed in the southern Ghors with a total live storage of 30 MCM .Stored water from these dams is used for livestock and ground water recharge .

Al Whdah DAM	
Location	North of Jordan ,at Yarmouk River ,at AL-Maqaren ,120 km north of Amman
Construction	Under Construction ,to be completed early 2006
Total cost	67 MJD
Type	Roller Compacted Concrete (RCC)
Height	87 M
Storage capacity	110 MCM
Annual yield	81 MCM
Purpose	Domestic ,irrigation



Mujib DAM	
Location	On Wadi Mujib ,100 km south of Amman
Construction	Construction Completed in 2003
Total cost	45 MJD
Type	RCC central section with overflow stepped spillway and zoned Earth fill Wing embankments
Height	62 M

Storage capacity	31.2 MCM
Annual yield	17 MCM
Purpose	Municipal & industrial supply and irrigation



Wala DAM	
Location	On Wadi Wala ,60 km south of Amman
Construction	Construction completed in 2002
Total cost	24 MJD
Type	RCC Central section with over flow stepped spillway and zoned Earth fill Wing embankments
Height	52 M
Storage capacity	9.3 MCM
Annual yield	6 MCM
Purpose	Municipal & industrial supply and irrigation and Recharge



Tannur DAM	
Location	On Wadi Hassa ,175 km south of Amman
Construction	Construction Completed in 2001
Total cost	23 MJD
Type	RCC with overflow stepped spillway
Height	60 m
Storage capacity	16.8 MCM
Annual yield	8 MCM
Purpose	Irrigation



Wadi Arab DAM	
Location	At Wadi Arab
Construction	Construction Completed in 1986
Total cost	20 MJD
Type	Earth-fill
Height	83.5 m
Storage capacity	16.8 MCM
Purpose	Irrigation ,Municipal,Hydropower



Sharhabeel (Ziglab) DAM	
Location	At Wadi Ziglab
Construction	Construction Completed in 1967
Total cost	0.9 MJD
Type	Earth –fill
Height	48 m
Storage capacity	3.9 MCM
Purpose	Irrigation



King Talal DAM	
Location	At Zarqa River
Construction	Completed in 1977, raised in 1987
Total cost	34 MJD
Type	Earth -fill
Height	108 m
Storage capacity	74 MCM
Purpose	Irrigation



Karameh DAM	
Location	At Wadi mallaha
Construction	Construction Completed in 1997
Total cost	55 MJD
Type	Earth -fill
Height	45 m
Storage capacity	53 MCM
Purpose	Irrigation ,Recreation



Shueib DAM	
Location	At Wadi Shueib
Construction	Construction Completed in 1969
Total cost	0.56 MJD
Type	Earth -fill
Height	32 m
Storage capacity	1.4 MCM
Purpose	Irrigation



Kafrein DAM	
Location	At Wadi Kafrein
Construction	Completed in 1967 , raised in 1997
Total cost	9.3 MJD
Type	Earth -fill
Height	37 m
Storage capacity	8.4 MCM
Purpose	Irrigation

