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## West Asia Steel Project – DM Plant

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**Project Aim:**

DM Water Production / Desalination / Water Treatment By Means of Covering all Water Demand of West Asia Steel Complex in - 1<sup>th</sup> Phase of the contract

**Owner / Client / Consultant:**

West Asia Steel Complex / West Asia Steel Company (WASCO) / Fan Gostar Pars Co (FGP) EPC Management Co.

**Location / Completion Year / Duration:**

Ghom Province / 2006 / 3 month

**Contract Type:**

EPC

**Represented Solution in This Project****Main Solution:**

- ◆ **Desalination & Demineralization**
  - 1<sup>th</sup> Unit: Brackish Water Desalination
  - 2<sup>th</sup> Unit: Demineralization – DM water plant

**Supplementary Solutions:**

- ◆ Hydraulic Structure / Concrete Reservoir and Basins
- ◆ El and Inc. / all Electrical Panel, Represented by ABSUN MADAR CO.

**Complementary Services:**

- ◆ Procurement / Directly from 7 different country & 12 International Company
- ◆ Laboratory Testing Services / Over 12 time sampling for more than 25 Parameters

**Employed Process and Technology:**

- ◆ BWRO - 2<sup>nd</sup> pass
- ◆ MIX BED - IX Technology



**Fluid Characteristic:**

	Influent	Effluent
	Raw Water (Brackish Water)	DM Water (Desalinated Water)
Water Type	Well Water SDI < 3	-
Salinity	TDS > 7000 mg/L	mg/L
Hardness	mg/L	mg/L
Turbidity	mg/L	mg/L

**Process Flow Diagram:**

