

WATER SAVINGS & CREATING SHARED VALUE:

Fatima Fertilizer Company Limited Sadiqabad started AWS journey in 2021 and acquired core level certification in 2022. AWS standard further strengthens the company focus not only limited to site but also take initiatives in the catchment.

ADDRESSING SHARED WATER CHALLENGES:

During AWS implementation, site engaged community, neighbor industries, Govt authorities, local population etc. to create awareness to be a responsible user of water & also supporting the community with supply of potable water, water filtration plants, drip irrigation initiatives, water channels and canal lining in along with tree plantation activities within Site & also in community.

WATER RELATED KEY PROJECTS ON SITE- 2024 & 2025:

For the year 2024 & 2025, FFL identified and implemented new projects to drive water stewardship plan. Below are the key highlights of the projects:

Project Name	Project Type	Realized water savings (m3)
Reduction of 120 m3/hr Cooling tower Blow down from 150 m3/hr to 30 m3/hr.	Water consumption optimization	1,036,800
Tibbi Minor Canal concrete lining	Canal water losses reduction	250,000
irrigation water channels concrete lining	Water saving , canal water intake reduction for horticulture.	75,000
Developed RO Reject water irrigation network	Water saving , canal water intake reduction for horticulture.	127,000
Installation of Solar Power System for Ahmedpur Lama TMA/SDQ Water Pumping Station	To support TMA SDQ for sustainable water supply from Ahmed Pur Lama to SDQ city through solar power.	Good Water Governance & Sustainable Water supply to Tehsil Sadiqabad

Water Related Cost:

Annual Water Related Expense Description	Amount in PKR
Canal Water Fee	22.5 Million PKR/Annum
Aquifer study cost	4 Million PKR
Raw Water System	9 Million PKR/Annum
Demin Water System	1.3 Million PKR/Annum
Cooling Tower System	11.3 Million PKR/Annum
Steam Generation	1.4 Million PKR/Annum

Effluent Treatment	4.9 Million PKR/Annum
Treated Effluent discharge to SCARP Fee	3.8 Million PKR/Annum
Cost of implementation of water Stewardship actions	Year 2023: 40 Million PKR Year 2024: 32 Million PKR Year 2025: 22.4 Million PKR