

Nestle' Pakistan Islamabad Factory
Alliance for Water Stewardship Standard Implementation
Water stewardship SMART Targets

Project	Objective	Target	Metrics	Action	Cost	Desired Results	AWS Outcome	Responsible	Accountable	Start Date	End Date	YTD Benefit (water saved in tons)	Status
Optimization of per Bottle Washer Consumption	To reduce the consumption of water at Main washer	Reduction in per bottle water consumption from 2.4l to 2.2l	Daily monitoring of Final rinsing FM value	Reduction in startup tank volume of Main Washer	0 PKR	Reduction in per bottle water consumption from 2.4l to 2.2l	Healthy status of IWRA Sustainable Water Balance	Hina Aadil	Ahmad Nawaz	15-Jan-19	1-Feb-19	188 tons	Done
Optimization of Water consumption in CIPs	To reduce the consumption of water during treatment CIPs	Reduce water consumption in CIPs by 20%	Analysis of water consumption using CIPs from FM	Elimination of cooling water step in CIPs	0 PKR	Reduction in water consumption of CIPs by 20%	Healthy status of IWRA Sustainable Water Balance	Malik Ahmad	Ahmad Nawaz	1-Feb-19	1-Mar-19	650 tons	Done
Reduction of flushing at Mix-proof Valves	To reduce waste of water during flushing of Mix proof valves	Reduction in water wasted on regular intervals	Quantitative analysis on trial basis	Reducing the time of flushing and increasing the duration between two flushings	0 PKR	Reduction in daily flushing by 50%	Healthy status of IWRA Sustainable Water Balance	Hina Aadil	Ahmad Nawaz	1-Jan-19	31-Jan-19	100 tons	Done
Water recovery from Process waste	To improve process efficiency and reduce water wastage	Reduction in Process waste generated on daily basis	No. of bottles rejected by Leak detector	Installation of Leak detector to reduce process waste	1.1 mio PKR	Reduction in leak bottles drained as process waste	Healthy status of IWRA Sustainable Water Balance	Taimoor Ijaz	Ahmad Nawaz	1-Jan-19	15-Nov-19	100 tons	Done
Recovery of RO concentrate	To improve process efficiency by increasing the volume of permeate generated	To increase permeate and reduce rejection by RO	FM at RO feed and RO reject	Installation of recovery RO by utilizing 5th in-house available vessel	2 mio PKR	Improved RO recovery from 83% to 85%	Healthy status of IWRA Sustainable Water Balance	Malik Ahmad	Ahmad Nawaz	1-Jan-19	1-Mar-20	In progress	In progress
Water recovery from Well drain at startup	To reduce well startup flushing	Zero flushing target at startup	Well FM daily reading	Installation of cartridge filters to have reduced turbidity of process water	0.36 mio PKR	0.40 NTU turbidity after cartridge filters	Healthy status of IWRA Sustainable Water Balance	Hina Aadil	Ahmad Nawaz	15-Jan-19	28-Feb-19	1752 tons	Done
Drip Irrigation	capacity building of professionals, farmers, students and service providers	45% water saving during irrigation	Signed MOU, Photographic evidence, Project documents and replication potential	MOU signing with Pakistan Agricultural Research council for upgrading the research and demonstration site	0.43 mio PKR	Training Farmers in best agricultural practices and best water management practices	Good Water Governance	Hina Aadil	Ahmad Nawaz	1-Aug-17	31-Dec-19	More than 150 farmers trained on site along with academia and professionals	Done
Landscaping and Beautification	To improve soil ecology, infiltration, reduce surface run off and mitigate global warming	Landscaping of street 3 of I-10/3	Signed Agreement, Photographic evidence, Project documents	Nestle Islamabad sponsored the Landscaping and Beautification of Street 3 of I-10/3	0.3 mio PKR	To improve soil ecology, improve water infiltration and mitigate surface run off and global warming trend	Healthy status of IWRA	Muhammad Yousaf	Ahmad Nawaz	1-Mar-19	31-Mar-19	Better relations with Community	Done
Tree Plantation	To improve soil ecology, infiltration, reduce surface run off and mitigate global warming	Plantation of 10000 trees	Photographic evidence, Project documents	Nestle Islamabad sponsored plantation of 10000 trees under PM's Clean Green Initiative	1.6 mio PKR	To improve soil ecology, improve water infiltration and mitigate surface run off and global warming trend	Healthy status of IWRA	Mehwish Khalid	Ahmad Nawaz	1-Mar-19	1-Oct-19	Improved soil ecology, improved water infiltration and mitigation of surface run off and global warming trend	Done
Rain water Harvesting	To improve water balance of the catchment and provide water for Sanitation	RWH setup in local Girls School Scale Up project	Photographic evidence, Project documents	Installation of Rainwater Harvesting Units at Girl Schools in Islamabad Identification of low cost solution for RWH/Preparation of Feasibility Study	4.0 mio PKR	To improve water balance of the catchment and provide water for Sanitation	Sustainable Water Balance Good Water Governance WASH	Hina Aadil	Ahmad Nawaz	1-Sep-19	1-Aug-20	In progress	In progress