Nestle' Pakistan Islamabad Factory

Alliance for Water Stewardship Standard Implementation

Water stewardship Action Plan - SMART Targets

Project	Scope of Project	Objective	Target	Metrics	Action	Cost	Desired Results	AWS Outcome	Responsible	Accountable	Start Date	End Date	Status
Optimization of Water consumption in CIPs	Internal	To reduce the consumption of water during treatment CIPs	Reduce water consumption in CIPs by 15%	Daily, weekly and monthly operational reviews on water consumption	Recovering chemicals after CIPs. These will be are used again for next CIPs. In this way, water comsumption on new solution preparation was avoided.	PKR 0 (Inhouse measures)	Reduction in water consumption of CIPs by 15%	Healthy status of IWRA Sustainable water balance	Malik Ahmad	Ahmad Nawaz	1-Jan-20	1-Mar-20	Done
Leak tester installation	Internal	To reduce line leak bottles from HOD line	Reduce line leak bottles by 50% (direct impact on water consumption reduction)	Daily operational reviews on water consumption	Install leak tester on HOD line	PKR 1.1 mio	Reduction in line leak bottles by 77% (800 m3 water saved Jan-Aug, 2020)	Healthy status of IWRA Sustainable water balance	Taimoor Ijaz	Ahmad Nawaz	17-Sep-19	5-Jan-20	Done
RO recovery plant	Internal	To reduce well water withdrawal by getting water from recovery RO for industrial tank	Increase global RO recovery upto 90%	Weekly operational reviews	1. Get proposals from Sagisa. 2. Align zone for modifications in water treatment.	PKR 20 mio	Increase global RO recovery upto 90%	Water governance Water quality Healthy status of IWRA Sustainable water balance	Malik Ahmad	Ahmad Nawaz	1-Jan-20	31-Dec-21	In-progress
Activated carbon media change	Internal	To reduce water consumption during AC media change activity	Reduce water consumption by 50% vs last time activity (2014)	Operational reviews	Procure high quality AC media to avoid soaking it in water prior to replacement	PKR 1.1 mio	Reduction in water consumption by 50% vs last time activity (2014)	Healthy status of IWRA Sustainable Water Balance	Malik Ahmad	Ahmad Nawaz	1-Jan-20	10-Sep-20	Done
Effluent Treatment Pit	Internal	Setup a two compartment effluent equalization pit along with pH sensor	To ensure 100% compliance in effluent norms at all times	Daily compliance meeting	Setup a two compartment effluent equalization pit along with pH sensor	PKR 10.5 mio	Ensure 100% compliance in effluent norms at all times	Healthy status of IWRA Water Quality	Asad Khan	Ahmad Nawaz	31-Jul-20	30-Apr-21	In-progress
Tree Plantation	External	To improve soil ecology, infiltration, reduce surface run off and mitigate global warming	Plantation of 5000 trees	Photographic evidence, Project documents	Nestle Islamabad sponsored plantation of 5000 trees under PM's Clean Green Initiative	PKR 0.76 mio	To improve soil ecology, improve water infiltration and mitigate surface run off and global warming trend	Healthy status of IWRA Sustainable Water Balance	Asad Khan	Ahmad Nawaz	31-Aug-20	21-Sep-20	Done
Rain water harvesting	External	To improve water balance of the catchmnet 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	PKR 0.6 mio	To improve water balance of the catchmnet and provide water for Sanitation	Sustainable Water Balance Good Water Governance WASH	Asad Khan	Ahmad Nawaz	1-Jul-20	31-Dec-20	Done
Stakeholders convening	External	To gather stakeholders on a platform and discuss shared water challenges To devise action plan for joint action on water stewardship	Involve stakeholders for the convening	Photographic evidence, convening documents, minutes of convening	Plan stakeholders convening in Nov' 2020	PKR 0.5 mio	To devise a joint action on water stewardship within catchment	Sustainable Water Balance Good Water Governance WASH IWRA Water Quality	Fatima Akhtar	Ahmad Nawaz	15-Oct-20	30-Nov-20	In-progress
Water Sense Project	External	To install soil moisture sensor in NARC drip irrigation project to reduce water usage in irrigation	Reduce water usage in irrigation by 10%	Water savings data from NARC	Installed soil moisture sensor	NA	Results yet to be shared by Nestle	Sustainable Water Balance IWRA	Fatima Akhtar	Ahmad Nawaz	15-Feb-20	30-Mar-20	Done
Laundry Wastewater Recycling	External	To recycle laundry wastewater and reuse it in the process to reduce water consumption	Target will be decided after site visit and potential to recycle wastewater	Water savings data from the vendor	Laundry service provider is engaged for this project. Project is explained and support will be provided to him for the project	0	To reduce freshwater usage in the process	Sustainable Water Balance IWRA	Asad Khan	Ahmad Nawaz	14-Sep-20	15-Oct-20	In-progress