

## Water Stewardship Plan

Sr.	Project	Target	Deliverables	AWS Outcome	Current Status
1	Replacement of Pressure Vessels Site Wide	Reduce Water Losses in the form of Steam	Overall reduction in Steam Leakages hence resulting in Water savings for Steam Generation	Sustainable Wate Balance	Done
2	Installation of Drinking Water filtration plant with Activated Alumina	1. Selenium <b>0.041mg/L</b> to <b>0.005mg/L</b> 2. Upto <b>81%</b> Reduction in Colony Count	Water Quality Improvement	Improved Water Quality	Done
3	Installation of Water Softner Plant at ETP	8000 M3 water reduction annually	Reduction of Calcium and Magnesium in effluent treated water using Ion Exchange Method	Imprtant Water Related Areas	Done
4	Site-wide mist taps installation	1000 M3 water reduction annually	1000 M3 Water Reduction	Important Water Related Areas(IWRA's)	WIP
5	Industrial Dishwasher Installation	1500 M3 Water Reduction Annually	1500 M3 Water reduction Annually	Important Water Related Areas(IWRA's)	Planned
6	CPS Dryer Condensate Recovery	2600 M3 Water Reduction Annually	2600m3/Yr Avg 1m3 /Operation	Important Water Related Areas(IWRA's)	Done
7	CVS waste water used for SMD AHUs	3000 M3 Water Reduction Annually	3000 M3 Water Savings	Important Water Related Areas(IWRA's)	Done
8	Under Water pipe Lines to be replaced with Above Ground Lines (Factory)	10000 M3 Water Reduction Annually	10 to 15 Percent Reduction in Fresh Water Losses	Important Water Related Areas(IWRA's)	Planned
9	Process Water & Rainwater Drain segregation	Complete Segregation of Stormwater Drainage System	Overall reduction in Ground Water abstraction	Important Water Related Areas(IWRA's)	WIP
10	Rain water Harvesting	2000 M3 Water Collection Annually	Overall reduction in Ground Water abstraction	Important Water Related Areas(IWRA's)	Planned

11	Reactivation of Sludge Circulation System	Reactivation of System	Proper Sludge circulation system activation	1. Important Water Related Areas(IWRA's) 2. WASH	Done
12	Blower Installation for ETP	Provision of Backup Blower	Provision of Stanby Blower	Important Water Related Areas(IWRA's)	Done
13	interconnectivity of Overhead Tanks for backup water supplies	Interconnectivity of all overhead tanks and tubewell	1. interconnectivity of all tubewells for every water storage on site	Important Water Related Areas(IWRA's)	Planned
14	Installation of Drip Irrigation Systems	Efficient methods of irrigation	Efficient methods of irrigation	Important Water Related Areas(IWRA's)	Done
16	Installation of Generator for Water for Life Project	Provision of water for irrigation purposes	Provision of water for irrigation purposes	Important Water Related Areas(IWRA's)	Done
17	Installation of Drinking Water Filtration Plants	Safe Clean and Drinking water availability for All	Safe Clean and Drinking water availability for All	Safe Water, Sanitation and hygiene for All	Done
18	Distribution of tree saplings for afforestation purpose	Promote Afforestation	Promote Afforestation	Important Water Related Areas(IWRA's)	On Going
19	Admin Washroom Renovation	1. Increase the number of toilets 2. Wheel chair accessible washroom Provision 3. Ablution Area Provision	1. Renovation of washroom to provide wheel chair accessible washroom 2. Overall increase the number of toilets to serve as per the requirement 3. Overall renovation to eliminate any unnoticed leakages	Safe Water, Sanitation and hygiene for All	Done
20	Admin Ladies Washroom Renovation	1. Provision of Hygenic Infrastructure 2. Provision of Sanitary facilities	1. Provision of Hygenic Infrastructure 2. Provision of Sanitary facilities	Safe Water, Sanitation and hygiene for All	Done
21	SMD Ladies Washroom Renovation	1. Provision of Hygenic Infrastructure 2. Provision of Sanitary facilities	1. Provision of Hygenic Infrastructure 2. Provision of Sanitary facilities	Safe Water, Sanitation and hygiene for All	Done

22	SMD Staff Washroom Renovation	<ol style="list-style-type: none"> <li>1. Provision of Ablution area</li> <li>2. Provision of New toilets</li> <li>3. Improvement in overall infrastructure</li> </ol>	<ol style="list-style-type: none"> <li>1. Provision of Ablution area</li> <li>2. Provision of New toilets</li> <li>3. Improvement in overall infrastructure</li> </ol>	Safe Water, Sanitation and hygiene for All	Done
23	Labour Washroom Admin	<ol style="list-style-type: none"> <li>1. Improvement of Civil infrastructure</li> <li>2. Replacement of Broken Water Taps</li> <li>3. Rectification of issues/ Defects</li> </ol>	<ol style="list-style-type: none"> <li>1. Improvement of Civil infrastructure</li> <li>2. Replacement of Broken Water Taps</li> <li>3. Rectification of issues/ Defects</li> </ol>	Safe Water, Sanitation and hygiene for All	Done
24	Installation of Flow Meters on Condensate Lines	<ol style="list-style-type: none"> <li>1. More efficient data gathering on water recovered</li> </ol>	<ol style="list-style-type: none"> <li>1. More efficient data gathering on water recovered</li> </ol>	Good Water Governance	Done
25	Farmer's Session on Irrigation best practices	<ol style="list-style-type: none"> <li>1. Knowledge sharing with Stakeholders on Water saving</li> <li>2. Enhancing the Awareness among Major Water Users</li> </ol>	<ol style="list-style-type: none"> <li>1. Knowledge Sharing</li> <li>2. Awareness</li> <li>3. Stakeholder Engagement</li> </ol>	Important Water Related Areas(IWRA's)	Done
26	Water Quality Monitoring in the Catchment	<ol style="list-style-type: none"> <li>1. Water Quality information</li> <li>2. Impact of Farming and other activities on water quality</li> </ol>	<ol style="list-style-type: none"> <li>1. Drinking Water Quality from Aquifers</li> <li>2. Evaluation of impacts on Ground water from Activities in the catchment</li> </ol>	Improved Water Quality	Done
27	Wash Campaign	<ol style="list-style-type: none"> <li>1. Awareness on Water Quality</li> <li>2. Awareness on Water Saving</li> </ol>	<ol style="list-style-type: none"> <li>1. Awareness on Water Quality</li> <li>2. Awareness on Water Saving</li> </ol>	<ol style="list-style-type: none"> <li>1.Safe Water, Sanitation and hygiene for All</li> <li>2. Important Water Related Areas</li> </ol>	Done
28	Engagement with WWF	<ol style="list-style-type: none"> <li>1. Consultation</li> </ol>	<ol style="list-style-type: none"> <li>1. Consultation</li> <li>2. Data Collection</li> </ol>	<ol style="list-style-type: none"> <li>1.Safe Water, Sanitation and hygiene for All</li> <li>2. Important Water Related Areas</li> </ol>	Done
30	Marble Factory Visit	Information and Collaboration with Other Industries in the catchment	<ol style="list-style-type: none"> <li>1. Engagement with Stake Holder</li> <li>2. Information Sharing</li> </ol>	<ol style="list-style-type: none"> <li>1.Safe Water, Sanitation and hygiene for All</li> <li>2. Important Water Related Areas</li> </ol>	Done

31	Engagement with Nestle	1. AWS Consultation 2. Best Practices Sharing	1. Engagement with Stake Holder 2. Information Sharing	1.Safe Water, Sanitation and hygiene for All 2. Important Water Related Areas	Done
32	Engagement with Raw Material Suppliers (Packing)	Information sharing and collaboration with primary input suppliers	1. Engagement with Stake Holder 2. Information Sharing	1.Safe Water, Sanitation and hygiene for All 2. Important Water Related Areas	WIP
33	Water Loss Analysis 2.0 to be Conducted in Water Related Areas	Identify Gaps and drive improvement in Water Related Areas	Identify Gaps and drive improvement in Water Related Areas	1.Safe Water, Sanitation and hygiene for All 2. Important Water Related Areas	Done
35	AI Based Drip Irrigation System Pilot	48% Water Saving	48% Water Saving	Important Water Related Areas(IWRA's)	Done
36	Road Repair in Factory Vicinity	Protection of Drain Lines	Protection of Drain Lines	1.Safe Water, Sanitation and hygiene for All	Done
37	Process Water VSM to be Conducted	Identification of Losses and Oppertunities	Identification of Losses and Oppertunities	Good Water Governance	Done
38	WASH Trainings of All Employees	WASH and Water Challenges Awareness	WASH and Water Challenges Awareness	1.Safe Water, Sanitation and hygiene for All 2. Important Water Related Areas	On Going
39	Moniotoring Total Water usage by Farmers during tobacco crop season	Water Usage monitoring	1. Engagement with Stake Holder 2. Information Sharing	Important Water Related Areas(IWRA's)	On Going
40	Rain fall measurement on Site	Water Governance	Water Governance	Sustainable Wate Balance	WIP
41	Provision of Treated water for AHU Filter Cleaning	Fresh Water Saving	Fresh Water Saving	Important Water Related Areas(IWRA's)	Done
42	Replacement of Water Based Compressors with Air Based Compressor	2000 M3 Water Saving Annual	2000 M3 Annual Fresh Water Savings	Important Water Related Areas(IWRA's)	Done
43	Condensate recovery network to be expanded and optimized in PMD and GLT	Water Saving	Water Savings	Important Water Related Areas(IWRA's)	Planned

44	ETP water to substitute freshwater in Boiler	Water Saving	Water Savings	Important Water Related Areas(IWRA's)	Planned
45	RO Reject Water usage in SMD and PMD Floor Cleaning	Water Saving	Water Savings	Important Water Related Areas(IWRA's)	Planned
47	Alternate Furrow Irrigation - Phase 1 (1750 Hectare)	Overall Water Saving of 2 % in Leaf Areas	Overall Water Saving of 2 % in Leaf Areas	Important Water Related Areas(IWRA's)	Done
48	Alternate Furrow Irrigation - Phase 2 (3100 Hectare)	Overall Water Saving of 5 % in Leaf Areas	Overall Water Saving of 5 % in Leaf Areas	Important Water Related Areas(IWRA's)	Planned



