

Best Practices in site & catchment of VST

AWS outcome	Best Practice	Achievement	Remarks
Water Quality- site	1. Treatment in RO & Maintain drinking water quality with regular monitoring.	Continuous	
	2. Reduce the use of pesticides and herbicides with the potential to harm human and ecosystem health.	Continuous	
	3. Compost pit with all dry leaves and food waste and generation of organic manure used for plantation		
	4. zero fuel/chemical spills and fuel/chemical contamination in the environment. (chemical control plan)	Continuous	
	5. Zero liquid discharge with Effective Effluent Treatment Plant/Sewage treatment plant	Continuous	
	6. Using a lower quality water for domestic purposes which will reserve higher quality water for essential purposes, and can result in savings on water treatment costs, and associated chemicals and energy requirements.		
Water quality- Catchment	<ol style="list-style-type: none"> 1. Reduce the use of pesticides and fertilisers with the potential to affect the ground water quality 2. Initiated the campaign on plastic usage reduction 3. Slowly diverting the house hold waste water to the newly constructed public drainage system 4. Usage of only toilets and avoid attending natura calls in the public area 5. Periodic awareness compaigns on water, hygiene and sanitation 		
Water Balance- Site	<ol style="list-style-type: none"> 6. Periodic preventive maintenance of the water infrastructure to avoid leaks & other losses 7. Recharging of the borewells with well maintained RHP's 8. Auto sensor hand wash in canteen and toilets 9. Continuous awareness sessions to the employees on water conservation and stewardship 10. Display of water saving boards in all work areas 11. Promotion of reduce the consumption of fresh water & Reuse of the waste water post ETP/STP for plantation and urinals/toilets 12. Undertake periodic leak detection and measurement assessment, followed up by actions to reduce leaks. 	Continuous	

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Water Balance-Catchment	<ol style="list-style-type: none">1. Conservative usage of the govt water supplied under mission bageeradha2. Reduction of usage of borewells3. Periodic maintenance of water infrastructure like water sump, overhead tank, pipelines by the panchayat4. Display of water saving boards in all work areas5. Trainings and awareness compaigns on water conservation6. Water meters by the industrial players in the catchment to monitor the consumption and discharge		

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IWRA-CATCHMENT	<ol style="list-style-type: none"> 1. Close & periodic monitoring of the IWRA water quality (lakes in muppireddpally & Kondapur 2. Zero liquid discharge from the plant with complete restriction of waste or storm to outside the plant. Protects the storm water going outside the premises by either collecting in the collection pond or directing it to rain water harvesting pits 3. Periodic Monitoring the bore wells which are between the operational site and the lakes (Muppireddy pally & Kondapur) as an 'early warning' approach to detect any influences from the site (e.g. on water levels or quality) that could impact the Lakes 4. Support public communication initiatives (such as sign boards/awareness trainings) to raise awareness of the lakes (Muppireddy pally & Kondapur) and discourage actions by others that could damage. 5. Organising and strengthening Water user groups: To organise stakeholders Farmers and landless to form "water user groups" to own the responsibility to manage the water harvesting structures, to bring water literacy among Farming communities, to improve water productivity and to lead the water saving campaigns 	<p>Continuous</p>	

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Water Governance-VST	1. Dedicated team with water responsibilities	Continuous	
	2. Dedicated and competent third party for monitoring the functioning and performance STP/ETP	Continuous	
	3. Periodic reviews at plant level and board level	Continuous	
	4. Taking the guidance & support of AWS & other technical expert services for improvement of our AWS performance	Continuous	
	5. Periodic review of water related legal compliances and ensure zero deviations	Continuous	
Water Governance-Catchment	<ol style="list-style-type: none"> 1. Public disclosure of water use and water quality data for others to use 2. A comprehensive water stewardship plan that is well-implemented, routinely reviewed and updated 3. Engaging with peer organizations and stakeholders to promote water stewardship 4. Demonstrating support for good water governance and stewardship with appropriate authorities, including establishing or participating in Public-Private Partnerships 5. Facilitating or contributing to multi-stakeholder governance platforms or whatsapp groups 6. Advocating for integrated water governance at the catchment level, including supporting coordination among relevant institutions 	Continuous	
WASH-SITE	<ol style="list-style-type: none"> 1. Documented house keeping/cleaning schedules of Toilets/urinals 2. Continuous awareness sessions to the employees on WASH 3. One small pocket writeup on AWS for all employees 4. Periodic reviews at plant level and monitoring the cleaning activities by supervisor 5. RO treatment of water for drinking purpose 6. Celebrating water day on 22nd march of every year in the site and 	Continuous	

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WASH-CATCHMENT	<p>catchment and promote awareness on WASH</p> <p>7. Usage of internationally accepted risk tools to assess the WASH risk of the site/catchment</p> <p>8. Provision of sufficient supplies of safe drinking cooling water for all workers, considering increased needs.</p> <p>9. Provision of sufficient and high standard facilities for toilets and washrooms for men and women, and any other relevant needs, such as for disabilities, age and religion.</p>		
	<ul style="list-style-type: none"> • Supporting in facilitation of water treatment plant • Support for Provision of sufficient and high standard facilities for toilets and washrooms for men and women • Supporting ad contributions to schools for provision of water related infrastructure like tanks, motors, pipelines, borewells etc • Provide training for local communities/schools/anganwadi's/industries in the catchment on good hygiene practices & WASH 	Continuous	

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VST is committed to

1. PRESERVE WATER RESOURCES AND THE NATURAL ENVIRONMENT
2. DRIVE WATER STEWARDSHIP IN AND AROUND OUR OPERATIONAL SITE
3. PROMOTE AWARENESS ON WATER, SANITATION & HYGIENE TO ALL VULNERABLE PEOPLE AND COMMUNITIES