DIT UNIVERSITY

IMAGINE ASPIRE ACHIEVE

SDG-6

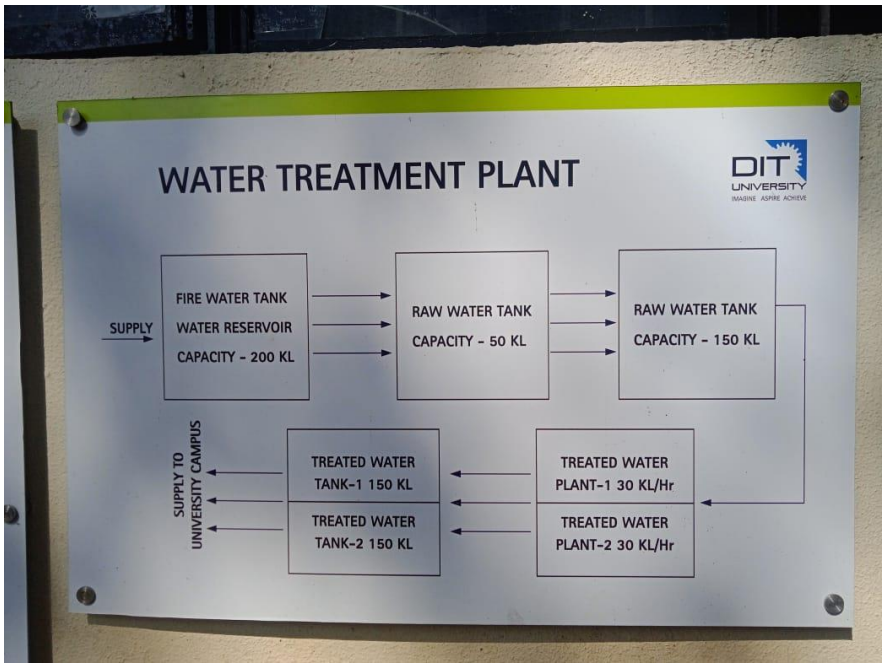
PREFACE

Water is essential requirement of life. If water is pure it can sustain lifeforms on the other aspect, polluted water is the cause of disaster. UN SDG 6 promotes 'Clean Water and Sanitation' ensuring access to water and sanitation for all. All stakeholders of society are having the fundamental rights to access this resource in easily accessible and clean form. Also the society must ensure the water as resource must not be polluted by human activities. Wastage must be eradicated. At present, it is becoming very difficult to obtain sufficient quantity and good quality water. All this is due to unscientific usage. Also the resource is continuously diminishing at various sources and going out of access to certain sections of society. So it is our duty to ensure the sustainability of water through pollution mitigation, judicious usage and environmental awareness. DIT University promotes this objective through its policy of sustainable water usage, reuse of waste water, conservation principle and promoting same through research and outreach activities.

DIT University

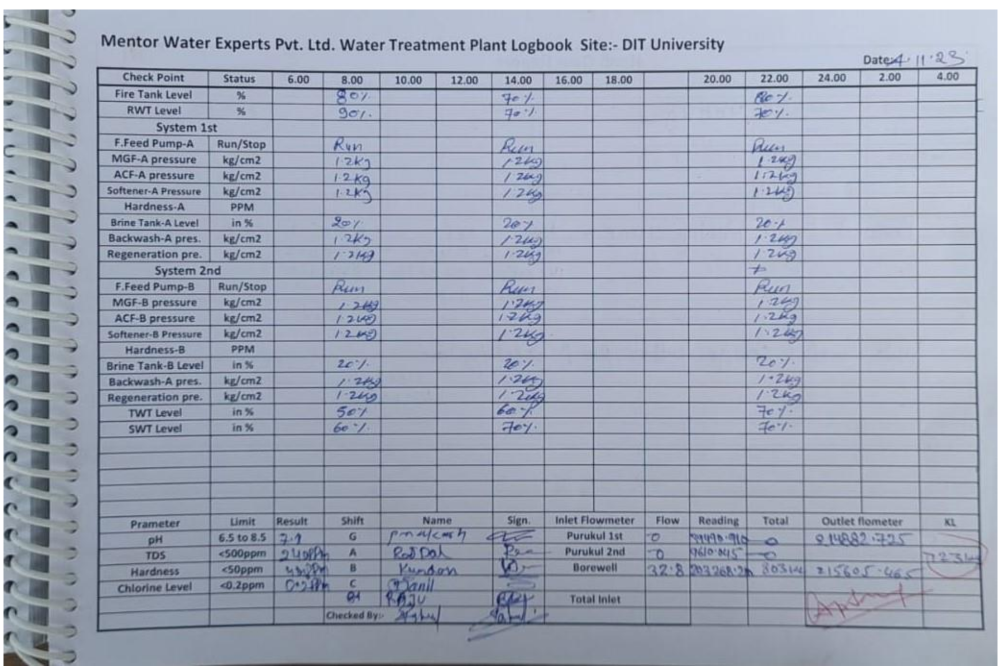
Report

DIT University Water Treatment Plant



Water Treatment Units

Water meter to measure the Volume of water at Water Treatment Plant



Mentor Water Experts Pvt. Ltd. Water Treatment Plant Logbook Site:- DIT University

Date 4.11.23

Check Point	Status	6.00	8.00	10.00	12.00	14.00	16.00	18.00		20.00	22.00	24.00	2.00	4.00
Fire Tank Level	%		80%			70%					80%			
RWT Level	%		90%			70%					70%			
System 1st														
F.Feed Pump-A	Run/Stop		Run			Run					Run			
MGF-A pressure	kg/cm2		1.2kg			1.2kg					1.2kg			
ACF-A pressure	kg/cm2		1.2kg			1.2kg					1.2kg			
Softener-A Pressure	kg/cm2		1.2kg			1.2kg					1.2kg			
Hardness-A	PPM													
Brine Tank-A Level	in %		20%			20%					20%			
Backwash-A pres.	kg/cm2		1.2kg			1.2kg					1.2kg			
Regeneration pre.	kg/cm2		1.2kg			1.2kg					1.2kg			
System 2nd														
F.Feed Pump-B	Run/Stop		Run			Run					Run			
MGF-B pressure	kg/cm2		1.2kg			1.2kg					1.2kg			
ACF-B pressure	kg/cm2		1.2kg			1.2kg					1.2kg			
Softener-B Pressure	kg/cm2		1.2kg			1.2kg					1.2kg			
Hardness-B	PPM													
Brine Tank-B Level	in %		20%			20%					20%			
Backwash-A pres.	kg/cm2		1.2kg			1.2kg					1.2kg			
Regeneration pre.	kg/cm2		1.2kg			1.2kg					1.2kg			
TWT Level	in %		50%			60%					70%			
SWT Level	in %		60%			70%					70%			

Prameter	Limit	Result	Shift	Name	Sign.	Inlet Flowmeter	Flow	Reading	Total	Outlet flometer	KL
pH	6.5 to 8.5	7.1	G	[illegible]		Purukul 1st	0	99490.910	0	214882.725	
TDS	<500ppm	240PPM	A	[illegible]		Purukul 2nd	0	9610.915	0		72.314
Hardness	<50ppm	43PPM	B	Kundan		Borewell	32.8	203268.2	80314	215605.465	
Chlorine Level	<0.2ppm	0.2PPM	C	Anil							
			G1	RAJU		Total Inlet					
			Checked By:-	Rahul							

Log Record for noting of water quality and quantity at water treatment plant


CLEAN WATER
AND
SANITATION