Water Measurement at SRM University - AP

SRM University–AP measures the water it uses. Water is metered at the buildings and hostels, the readings are compiled into a month-wise record for the whole university, and the water treatment, reverse osmosis (RO) and sewage treatment plants each keep a daily log register. The key facts are:

- **431,579 kilolitres (KL)** of water were recorded as consumed in calendar year 2025, which is about 35,965 KL a month and 1,182 KL a day.
- **Meters are fitted** at the five hostel towers, the dormitory, the canteen, the JC Bose block and other points, and the university compile the readings every month.
- **Three plants keep daily registers:** the water treatment plant (WTP), the 1,500 litres per hour RO plant and the sewage treatment plant (STP).

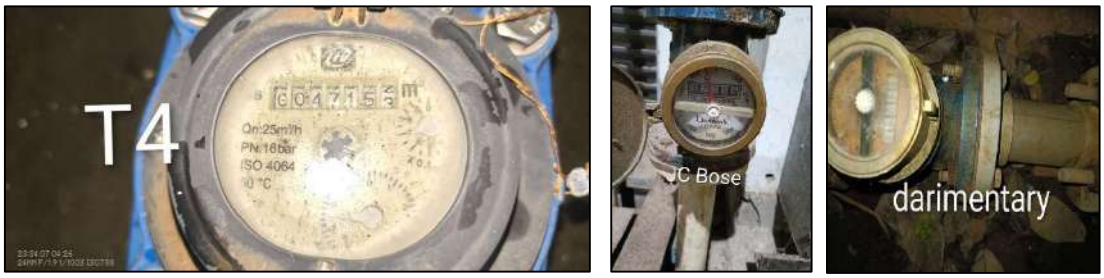
1. Metering Across the Campus

Water use is measured with meters installed on the supply lines of individual buildings. The photographs show mechanical meters at Tower 1, Tower 2, Tower 3, Tower 4 and Tower 5, at the dormitory, the canteen and the JC Bose block, and two electromagnetic flow meters with digital displays on pipework in the plant area. The mechanical meters are rated in cubic metres, and the JC Bose meter reads in litres. Because each building has its own meter, the university can see where water is used and not only how much is used in total.



a *b* *c* *d* *e*

Figure 1. Water meters at Tower 1(a), Tower 2(b), Tower 3(c), Tower 5(d) and the canteen(e)



a *b* *c*

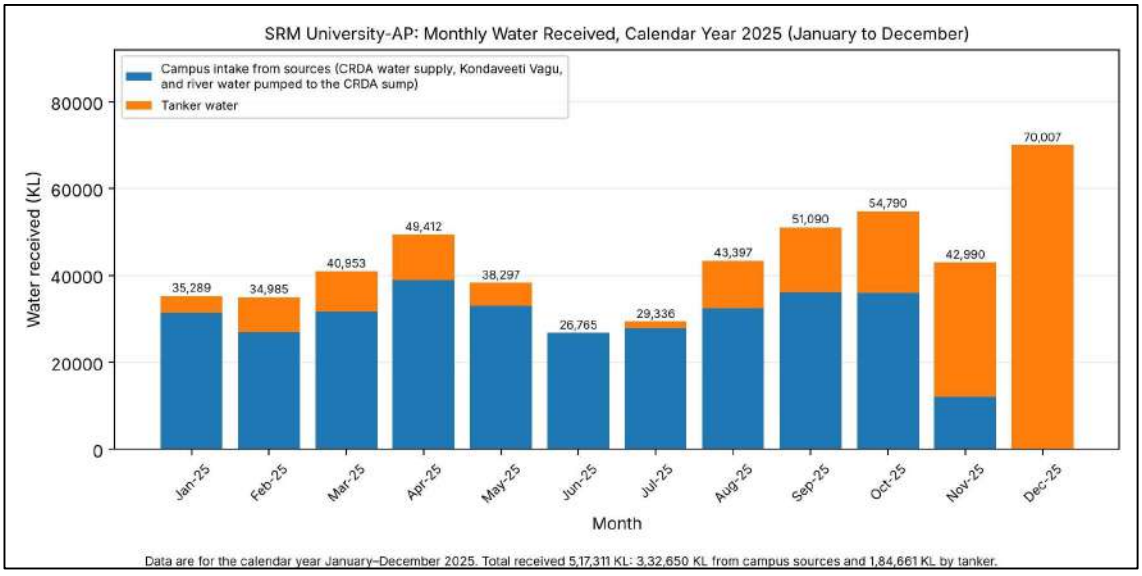
Figure 2. Water meters at Tower 4(a), the JC Bose block(b) and the dormitory(c)



Figure 3. Electromagnetic flow meters with digital displays

2. Total Water Intake 2025

SRM University-AP monitors its water consumption through multiple water sources to ensure adequate water availability across the campus. The university's water requirements are met through CRDA water supply, Kondaveeti Vagu, river water pumped to the CRDA sump, and tanker water supplied to different campus phases.

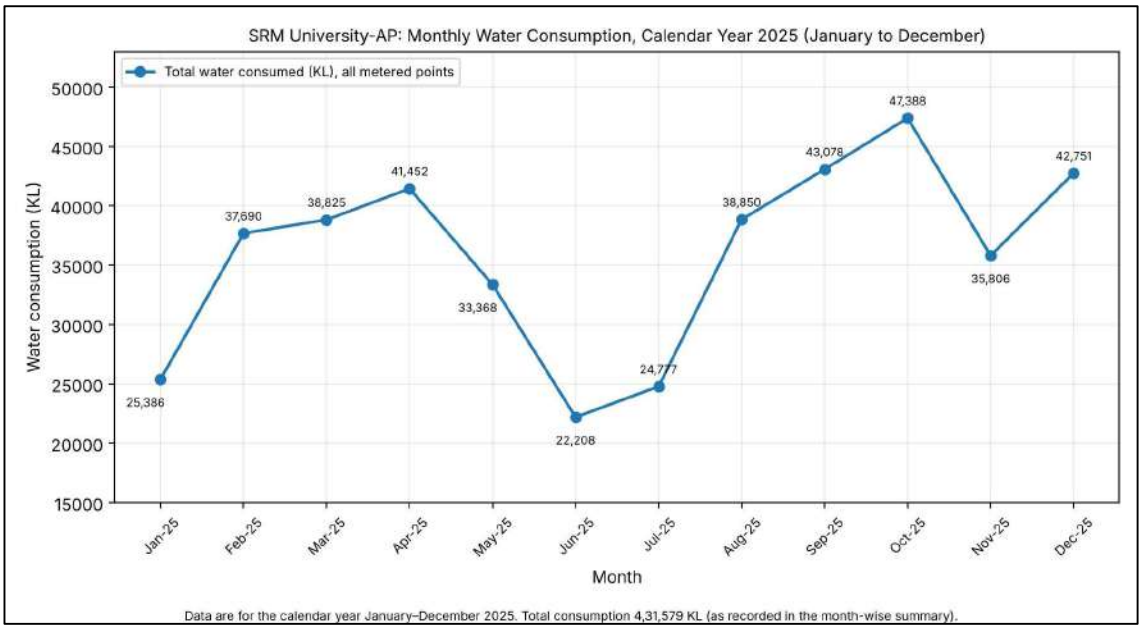


During January–December 2025, the university recorded a total water intake of 5,17,311 kilolitres (KL) from all available sources, including tanker supplies. Of this,

3,32,650 KL was received through the regular water sources, while 1,84,661 KL was supplied through water tankers. The average daily water received during the year was approximately 1,417.3 KL per day. Tanker water accounted for approximately 35.7% of the total annual water received, highlighting its contribution to meeting the university's water requirements.

3. Total Water Used in 2025

The month-wise record shows that the university used 431,579 KL of water in 2025. Use was lowest in June, at 22,208 KL, and July, at 24,777 KL, and January, at 25,386 KL. The low figures in June and July came from the semester-end break, when most students were away from campus and demand for water dropped. It rose to 41,452 KL in April and was highest in the second half of the year, reaching 43,078 KL in September, 47,388 KL in October and 42,751 KL in December. A year of month-by-month figures shows how use rises and falls with campus activity, and it gives a baseline against which future savings can be measured.



4. Plant Log Registers

SRM University–AP maintains daily logbooks for all WTPs, STPs and RO plants using printed university forms, with monthly records for 2025 and the technician's name or signature against each entry. The WTP logbooks record daily meter readings and consumption, feed water hardness, TDS and pH, filter pressures, softened water quality, softener salt regeneration and filter backwash times. The softener outlet standards are turbidity below 10 NTU, pH 7–8, hardness below 500 ppm and TDS below 500 ppm.

The 1,500 LPH RO plant logbook records feed water quality, filter and membrane pressures, product and reject flow rates, product water quality against hardness, TDS, pH and turbidity standards, and daily outlet meter readings and consumption in KL. The STP logbooks record feed and treated water quality against colour, turbidity, pH, TSS, COD, BOD and MLSS standards, along with filter pressures, softener regeneration and backwash times, ensuring daily monitoring of treated water.

Source of Water, Storage and Distribution:

Source of Water, Location of Storage and Application

Type of Water	Source	Application
Fresh Water	Product RO Plant	Drinking application
Nature of Water	From Krishna River (CRDA) 300 KLD – UG Cement Tank	Utensil Cleaning, Bathing, Cloth Washing & RO Plant
Rain Water Harvesting System (RWHS)	Collected from rooftop of all the buildings and road run-off	↗ Used to increase the ground water ↗ To store building run-off only

Details of the Water Utilities, Storage, Motor Capacity and Approximate Run Hours:

The following table provides the details of the Water Utilities, Storage, Motor Capacity and Approximate Run Hours available inside the university for regular application.

Details of the Water Utilities, Storage and Motor Capacity

S. No.	Location	Motor Capacity	Storage - I	Motor Capacity	Storage – II
1.	300 KLD UG Tank (Concrete)	15 kW – 2 No's (1-Standby) **(PTP - 1)**	**Raw Water** (70 KL) – Cement	15 kW **(WTP - 1)**	**Raw Water Tank** (87.5 KL) – Cement
					Treated Water Tank (89.25 KL) – Cement
			Treatment Tank (60 KL) – Cement		**Final Tank 1 & 2** (89.5 + 87.5 KL) Output – **Tower – 1 & Tower – 2** 11 kW * 2 No's (1 Stand by) – Circulating pump 2.2 kW * 1 No – Booster Pump Tower – 3 5.5 kW * 2 No's (1 Stand by) – Circulating pump
			Final Tank (25 KL) – Cement		
		3.7 kW – 2 No's (1-Standby) **(PTP - 2)**	**Treatment Tank** (60 KL) – GI Tank	3.7 kW – 2 No's (1-Standby) **(WTP - 3)**	**Raw Water Tank** (2 * 35 KL) – GI Tank
			Final Tank (2 KL) – Sintex Tank		**Treated Water Tank** (2 * 35 KL) – GI Tank Output – WTP – 1 3.7 kW * 2 No's (1 Standby)
		(PTP – 3)	**Raw Water** (350 KL * 2 No's) – Cement	2.2 kW – 2 No's (1 Standby)	**Final Tank** (349 KL) – Cement Output –

			Treatment Tank (200 KL) – Cement **Clarified Storage Tank** (20 KL) – GI Tank	**(WTP - 2)**	**SR Block** **CV Raman Block** **JC Bose Block** **Ganga Block** 5.5 kW * 3 No's (1 Standby)
	From PTP – 3 Raw Water Tank 3.7kW – 2 NO's (1 Standby)	3.7 kW – 2 No's (1-Standby) **(PTP - 4)**	**Raw Water** (120 KL) – Cement **Treatment Tank** (60 KL) – GI Tank **Clarified Storage Tank** (3 * 2 KL) – Sintex Tank	3.7 kW – 2 No's (1-Standby) **(WTP - 4)**	**Final Tank** (150 KL) – Cement **Vedavathi Hostel** 5.5kW * 3 No's (1 Standby) 1 to 7th Floor 7.5kW * 3 No's (1 Standby) 8 to 15th Floor

Details of the Water Utilities, Storage, Motor Capacity and Approximate Run Hours

Location	Type and capacity of tank	Output
Inside WTP Plant (Input from WTP – 3)	1,000 Litre – SS Tank	Waste water to STP final tank
Annapurna Mess (Input from WTP - 3)	3,000 Litre – SS Tank	Waste water to garden
CV Raman Block Basement (Input from WTP - 2) (2*7.5 kW – 1 Standby)	1,000 Litre – SS Tank	Waste water to garden
Vedavathi Block Basement (Input from WTP – 4) (2*1.2 kW – 1 Standby)	2 x 1,000 Litre – SS Tank	Waste water to STP final

SRM UNIVERSITY AP
Andhra Pradesh

WTP-1 LOG REGISTER

SRM UNIVERSITY - Andhra Pradesh

WATER TREATMENT PLANT LOG REGISTER

JUNE – 25

STANDARD PARAMETERS FOR WTP PRODUCT WATER AT SOFTENER OUTLET				
S.NO.	PARAMETER	STANDARD	UNITS	TEST RESULT
1	Turbidity	< 10	NTU	
2	PH	7 - 8	-	
3	Total Hardness	< 20	PPM	
4	TDS	< 500	PPM	

Note :
The minimum pressure that should be maintained at the inlet of Pressure sand filter should be 3 kg/Cm2
The difference pressure across the inlet and outlet of filter should not exceed 0.8, If exceeded, proper backwash of the filtermust be done
The water softener outlet hardness should be maintained as per above parameters

LOG DATE AND TIME		WATER QUANTITY						FEED WATER QUALITY				FILTER PRESSURES				PRODUCT WATER QUALITY				REGENERATION						BACK WASH							
DATE	TIME	CRDA WATER MUTER READING	CRDA WATER CONSUMPTION	WTP METER READING	WTP CONSUMPTION	UFO METER READING	UFO CONSUMPTION	FEED WATER HARDNESS PPM	FEED WATER TDS PPM	FEED WATER PH	FEED WATER TURBIDITY(<30)	PRESURE SAND FILTER INLET PRESSURE Kg/Cm2	ACTIVATED CARBON FILTER INLET PRESSURE Kg/Cm2	WATER SOFTENER INLET PRESSURE Kg/Cm2	WATER SOFTENER OUTLET PRESSURE Kg/Cm2	SOFTENER OUTLET WATER HARDNESS PPM	SOFTENER OUTLET WATER TDS PPM	SOFTENER OUTLET WATER PH	SOFTENER OUTLET WATER TURBIDITY (<10)	REGENERATION TIME FROM	REGENERATION TIME TO	SOFTENER INLET PRESSURE (Min. 2 Kg/Cm2)	NaCL QUANTITY	HARDNESS BEFORE RENERATION	HARDNESS AFTER RENERATION	SAND FILTER BACK WASH TIME FROM	SAND FILTER BACK WASH TIME TO	ACTIVATED FILTER BACK WASH TIME FROM	ACTIVATED FILTER BACK WASH TIME TO	SOFTENER FILTER BACK WASH TIME FROM	SOFTENER FILTER BACK WASH TIME TO	SIGNATURE Tech Name		
01-6-25	07:00	28003	0	31781	126	107316	0	145	304	7.0		3.7	3.4	3.0	0.7	94	374	7.0	3.1	10:00	10:30		160	145	94	9:45	9:30	9:30	9:45	9:45	10:00	Rajesh		
																				22:30	23:00					21:45	22:00	22:00	22:15	22:45	22:30	Rajesh		
2-6-25	7:00	28003	0	31907	68	107316	0	125	290 350	7.0		3.7	3.4	3.0	0.7	40	350	7.0	1.7	08:45	09:15		160	125	40	08:00	08:15	08:15	08:30	08:30	08:45	pavan		
																				21:45	22:15					21:00	21:15	21:15	21:30	21:30	21:45	Pavan		
03/06/25	07:00	28003	0	31975	177	107316	0	150	312	7.0		3.7	3.4	3.0	0.7	78	349	7.0	2.2	11:00	11:30		160	150	78	10:15	10:30	10:30	10:45	10:45	11:00	Rajesh		
																				22:30	23:00					21:45	22:00	22:00	22:15	22:15	22:30	Rajesh		
04-6-25	07:00	28003	0	32152	187	107316	0	125	320	7.0		3.5	3.2	2.7	0.7	50	360	7.0	3.0	08:45	09:15		160	125	50	08:00	08:15	08:15	08:30	08:30	08:45	Pavan		
																				21:45	22:15					21:00	21:15	21:15	21:30	21:30	21:45	Pavan		
05/06/25	07:00	28003	0	32339	184	107316	0	126	295	7.0		3.7	3.4	3.0	0.7	68	376	7.0	2.8	9:00	9:30		160	126	68	8:15	8:30	8:30	8:45	8:45	9:00	Rajesh		
																				23:00	23:30					22:15	22:30	22:30	22:45	22:45	23:00	Rajesh		
06-6-25	7:00	28003	0	32523	259	107316	0	130	298	7.0		3.5	3.2	2.7	0.7	40	320	7.0	2.9	08:45	09:15		160	130	40	08:00	08:15	08:15	08:30	08:30	08:45	Pavan		
																				21:45	22:15					21:00	21:15	21:15	08:30	21:30	21:45	pavan		
07/06/25	07:00	28003	0	32782	211	107316	0	145	310	7.0		3.7	3.4	3.0	0.7	76	348	7.0	2.4	09:52	10:22		160	145	76	09:07	09:22	09:22	09:37	09:37	09:52	Vijay		
																				23:29	23:44					08:00	08:15	8:15	8:30	8:30	8:45	Ravi Teja		
08/06/25	06:25	28003	0	32993	174	107316	0	150	318	7.0		3.5	3.2	3.0	0.7	80	321	7.0	2.9	08:45	09:15		160	150	80	08:00	08:15	08:15	08:30	08:30	08:45	pavan		
																				21:45	22:15					21:00	21:15	21:15	21:30	21:30	21:45	Pavan		
09/06/25	07:00	28003	0	33167	130	107316	0	120	294	7.0		3.7	3.4	3.0	0.7	80	364	7.0	2.4	10:00	10:30		160	120	80	9:15	9:30	9:30	9:45	9:45	10:00	Rajesh		
																				23:00	23:30					22:15	22:30	22:30	22:45	22:45	23:00	Rajesh		
10/06/25	07:00	28003	0	33297	93	107316	0	125	299	7.0		3.5	3.2	3.0	0.7	50	300	7.0	2.6	08:45	09:15		160	125	50	08:00	08:15	08:15	08:30	08:30	08:45	Pavan		
																				21:45	22:15					21:00	21:15	21:15	21:30	21:30	21:45	Pavan		
11/06/25	07:00	28003	0	33390	0	107316	0	150	317	7.0		3.7	3.4	3.0	0.7	70	382	7.0	2.2	09:45	10:15		160	150	70	09:00	09:15	09:15	09:30	09:30	09:45	Pavan		
																				21:45	22:15					21:00	21:15	21:15	21:30	21:30	21:45	Pavan		
12/06/25	07:00	28003	0	33390	0	107316	0	145	304	7.0		3.5	3.4	3.2	0.7	64	349	7.0	2.7	11:00	11:30		160	145	64	10:15	10:30	10:30	10:45	10:45	11:00	Rajesh		
																				22:30	23:00					21:45	22:00	22:00	22:15	22:15	22:30	Rajesh		
13/06/25	07:00	28003	0	33390	193	107316	0	150	312	7.0		3.7	3.4	3.0	0.7	50	310	7.0		9:00	9:30		160	150	50	8:15	8:30	8:30	8:45	8:45	9:00	Rajesh		
																				22:00	22:30					21:45	21:30	21:30	21:45	21:45	22:00	Rajesh		
14-06-25	07:00	28003	0	33584	0	107316	0	124	330	7.0		3.5	3.2	3.0	0.7	80	360	7.0		09:45	10:15		160	124	80	09:00	09:15	09:15	09:30	09:30	09:45	Pavan		
																				21:45	22:15					21:00	21:15	21:15	21:30	21:30	21:45	Pavan		
15/06/25	07:00	28003	0	33584	0	107316	0	125	320	7.0		3.7	3.4	3.0	0.7	80	321	7.0		03:45	08:15		160	125	80	07:00	07:15	07:15	07:30	07:30	07:45	Pavan		
																				21:45	22:15					21:00	21:15	21:15	21:30	21:30	21:45	Pavan		
16/06/25	07:00	28003	P	33584	211	107316	0	150	304	7.0		3.5	3.2	3.0	0.7	74	349	7.0		11:25	11:55		160	150	74	10:40	10:55	10:55	11:10	11:10	11:25	Rajesh		
																				22:45	23:15					22:00	22:15	22:15	22:30	22:30	22:45	Ravi Teja		
17/6/25	06:11	28003	P	33799	204	107316	0	125	330	7.0		3.7	3.4	3.0	0.7	80	354	7.0		10:45	11:15		160	125	80	10:00	10:15	10:15	10:30	10:30	10:45	Pavan		
																				22:45	23:15					22:00	22:15	22:15	22:30	22:30	22:45	Pavan		
18/06/25	07:00	28003	0	34044	113	107316	0	126	295	7.0		3.5	3.2	3.0	0.7	78	382	7.0		11:00	11:30		160	126	78	10:15	10:30	10:30	10:45	10:45	11:00	Rajesh		
																				23:00	23:30					22:15	22:30	22:30	22:45	22:45	23:00	Rajesh		

SRM UNIVERSITY - Andhra Pradesh

WATER TREATMENT PLANT LOG REGISTER

SRM UNIVERSITY AP
Andhra Pradesh

August – 2025

STANDARD PARAMETERS FOR WTP PRODUCT WATER AT SOFTENER OUTLET				
S.NO.	PARAMETER	STANDARD	UNITS	TEST RESULT
1	Turbidity	< 10	N T U	
2	PH	7 - 8	-	
3	Total Hardness	< 20	PPM	
4	TDS	< 500	PPM	

Note :
The minimum pressure that should be maintained at the inlet of Pressure sand filter should be 3 kg/Cm2
The difference pressure across the inlet and outlet of filter should not exceed 0.8, If exceeded, proper backwash of the filtermust be done
The water softener outlet hardness should be maintained as per above parameters

LOG DATE AND TIME		WATER QUANTITY						FEED WATER QUALITY				FILTER PRESSURES				PRODUCT WATER QUALITY				REGENERATION						BACK WASH						SIGNATURE	
DATE	TIME	CRDA WATER MUTER READING	CRDA WATER CON-SUMP-TION	WTP METER READ-ING	WTP CON-SUMP-TION	UFO METER READ-ING	UFO CON-SUMP-TION	FEED WATER HARD-NESS PPM	FEED WATER T D S PPM	FEED WATER PH	FEED WATER TURBID-ITY(<30)	PRESURE SAND FILTER INLET PRESSURE Kg/Cm2	ACTIVATED CARBON FILTER INLET PRESSURE Kg/Cm2	WATER SOFTENER INLET PRESSURE Kg/Cm2	WATER SOFTENER OUTLET PRESSURE Kg/Cm2	SOFTENER OUTLET WATER HARDNESS PPM	SOFTENER OUTLET WATER T D S PPM	SOFTENER OUTLET WATER PH	SOFTENER OUTLET WATER TURBIDINTY (<10)	REGENERATION TIME FROM	REGENERATION TIME TO	SOFTENER INLET PRESSURE (Min. 2 Kg/Cm2)	NaCL QUANTITY	HARDNESS BEFORE RENE-RATION	HARDNESS AFTER RENE-RATION	SAND FILTER BACK WASH TIME FROM	SAND FILTER BACK WASH TIME TO	ACTIVATED FILTER BACK WASH TIME FROM	ACTIVATED FILTER BACK WASH TIME TO	SOFTENER FILTER BACK WASH TIME FROM	SOFTENER FILTER BACK WASH TIME TO	Tech Name	
1/08/25	07:00	39458	275	39591	105	110977	28	175	366	7.0	6.1	3.5	3.2	2.7	0.7	16	366	7.0	0.7	10:30	11:00		160	175	16	9:45	10:00	10:00	10:15	10:15	10:30	Rajesh	
																				22:00	22:30					21:15	21:30	21:30	21:45	21:45	22:00	Rajesh	Rajesh
2-8-25	7:00	39731	183	39448	141	110935	92	180	315	7.0	5.8	3.7	3.4	3.0	0.7	14	315	7.0	1.1	9:45	10:45		160	110	14	9:00	9:15	9:15	9:30	9:30	9:45	Rajesh	
																				22:30	23:00					21:45	22:00	22:00	22:15	22:15	22:30	Rajesh	
3-8-25	7:00	39914	63	39580	133	111517	72	132	300	7.0	4.6	3.5	3.2	2.7	0.7	12	300	7.0	0.9	09:45	10:15		160	132	12	08:00	09:15	09:15	09:30	09:30	09:45	Pavan	
																				21:45	22:15					21:00	21:15	21:15	21:30	21:30	21:45	Pavan	
4/08/25	07:00	39927	284	39920	209	110559	175	220	262	7.0	2.3	3.5	3.2	2.7	0.7	20	297	7.0	0.3	09:45	10:15		160	110	20	09:00	09:15	09:15	09:30	09:30	09:45	Pavan	
																				21:45	22:15					21:00	21:15	21:15	21:30	21:30	21:45	pavan	Rajesh
5/08/25	09:00	40061	313	40143	163	110764	123	125	288	7.0	1.8	3.7	3.4	30	0.7	18	311	7.0	0.9	11:25	11:55		160	268	18	10:40	10:55	10:55	11:10	11:10	11:25	Mahendra	
																				23:23	23:38					22:38	22:53	22:53	23:08	23:08	23:23	RK	
6/8/25	06:45	40574	307	40316	114	110857	150	125	309	7.0	0.6	3.7	3.4	3.0	0.7	16	307	7.0	1.0	11:15	11:45		160	309	16	10:15	10:30	10:30	10:45	10:45	11:00	Rajesh	
																				23:55	00:25					23:10	23:25	23:25	23:40	23:40	23:55	RK	
7/8/25	06:41	40981	277	40658	341	111057	168	145	304	7.0	0.4	3.7	3.2	3.0	0.7	20	421	7.0	0.6	10:30	11:00		160	304	20	9:45	10:00	10:00	10:15	10:15	10:30	Mahendra	
																				23:35	00:05					22:50	23:05	23:05	23:20	23:20	23:35	Mahendra	RK
8/08/25	07:00	41158	443	40858	437	111205	189	125	287	7.0	1.8	3.5	3.2	2.7	0.7	08	313	7.0	0.8	02:15	02:45		160	125	08	01:30	01:45	01:45	02:00	02:00	02:15	RK	RK
																				23:55	00:25					23:10	23:25	23:25	23:40	23:40	23:55	Rajesh	
9-8-25	7:00	41601	133	41319	292	111394	175	160	276	7.0	1.9	3.7	3.4	3.0	0.7	06	279	7.0	0.8	10:00	10:30		160	160	06	9:15	9:30	9:30	9:45	9:45	10:00	Mahendra	
																				00:00	00:30					23:15	23:30	23:30	23:45	23:45	00:00	Mahendra	
10/8/25	6:30	41734	64	41611	266	111569	165	176	260	7.0	3.2	3.5	3.2	2.7	0.7	28	257	7.0	0.9	09:45	10:15		160	176	18	09:00	09:15	09:15	09:30	09:30	09:45	pavan	
																				21:45	22:15					21:00	21:15	21:15	21:30	21:30	21:45	pavan	
11/08/25	07:00	41898	392	41877	366	111734	197	150	260	7.0	2.9	3.7	3.4	3.0	0.7	20	304	7.0	1.6	09:45	10:15		160	150	20	09:00	09:15	09:15	09:30	09:30	09:45	Pavan	
																				21:45	22:15					21:00	21:15	21:15	21:30	21:30	21:45	pavan	
12/08/25	09:00	42190	422	42243	350	111931	211	150	282	7.0	3.1	3.5	3.2	2.7	0.7	16	268	7.0	1.0				160	150	16								
13/08/25	07:00	42612	94	42543	269	111972	187	130	260	7.0	2.0	3.7	3.4	3.0	0.7	16	258	7.0	1.3				160	130	16								
14-8-25	7:00	42986	188	42940	323	112329	161	70	104	7.0	1578	3.5	3.2	2.7	0.7	34	185	7.0	2.2				160	70	34								
15/08/25	7:00	43314	328	43268	328	112490	185	60	136	7.0	23	3.5	3.2	2.7	0.7	42	124	7.0	2.4				160	60	42							Mahendra	
																																Mahendra	
16-8-25	07:00	43672	358	43596	328	112675	195	75	107	7.0	30	3.9	3.4	3.0	0.7	40	90	7.0	2.1				160	75	40								
17-8-25	07:00	43984	181	43884	332	112820	199	90	153	7.0	35	3.5	3.2	2.7	0.7	38	135	7.0	2.9	09:45	10:15		160	90	38	09:00	09:15	09:15	09:30	09:30	09:45	Pavan	
																				21:45	22:15					21:00	21:15	21:15	21:30	21:30	21:45	Pavan	
18/08/25	07:00	44365	400	44256	372	113069	214	90	235	7.0	5.5	3.7	3.4	3.0	0.7	40	144	7.0	5.2	09:45	10:15		160	90	40	09:00	09:15	09:15	09:30	09:30	09:45	Pavan	
																				21:45	22:15					21:00	21:15	21:15	21:30	21:30	21:45	Pavan	

SRM UNIVERSITY - Andhra Pradesh

WATER TREATMENT PLANT LOG REGISTER

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Andhra Pradesh

STANDARD PARAMETERS FOR WTP PRODUCT WATER AT SOFTENER OUTLET				
S.NO	PARAMETER	STANDARD	UNITS	TEST RESULT
1	Turbidity	< 10	N T U	
2	PH	7 - 8	-	
3	Total Hardness	< 20	PPM	
4	TDS	< 500	PPM	

Note
The minimum pressure that should be maintained at the inlet of Pressure sand filter should be 3 kg/Cm2
The diference pressure across the inlet and outlet of filter should not exceed 0.8, If exceeded, proper backwash of the filtermust be done
The water softener outlet hardness should be maintained as per above parameters

LOG DATE AND TIME		WATER QUANTITY						FEED WATER QUALITY				FILTER PRESSURES				PRODUCT WATER QUALITY				REGENERATION						BACK WASH							
DATE	TIME	CRDA WATER MEITER READING	CRDA WATER CONSUMPTION	WTP METER READING	WTP CONSUMPTION	UFO METER READING	UFO CONSUMPTION	FEED WATER HARDNESS PPM	FEED WATER TDS PPM	FEED WATER PH	FEED WATER TURBIDITY(<30)	PRESURE SAND FILTER INLET PRESSURE Kg/Cm2	ACTIVATED CARBON FILTER INLET PRESSURE Kg/Cm2	WATER SOFTENER INLET PRESSURE Kg/Cm2	WATER SOFTENER OUTLET PRESSURE Kg/Cm2	SOFTENER OUTLET WATER HARDNESS PPM	SOFTENER OUTLET WATER T D S PPM	SOFTENER OUTLET WATER PH	SOFTENER OUTLET WATER TURBIDITY (<10)	REGENERATION TIME FROM	REGENERATION TIME TO	SOFTENER INLET PRESSURE (Min. 2 Kg/Cm2)	NaCL QUANTITY	HARDNESS BEFORE RENERATION	HARDNESS AFTER RENERATION	SAND FILTER BACK WASH TIME FROM	SAND FILTER BACK WASH TIME TO	ACTIVATED FILTER BACK WASH TIME FROM	ACTIVATED FILTER BACK WASH TIME TO	SOFTENER FILTER BACK WASH TIME FROM	SOFTENER FILTER BACK WASH TIME TO	SIGNATURE Tech Name
1/08/25		43915	370	446626	408	113283	230	95	250	7.0	1.45	3.5	3.2	3.0	0.7	50	200	7.0	20	09:59	10:29	3.3	160	95	50	09:14	09:29	09:29	09:44	09:44	09:59	manjula
																				23:22	23:52					22:37	22:52	22:52	23:07	23:07	23:22	Rf
2/08/25		44835	387	45034	321	113513	217	145	274	7.0	0.3	3.7	3.4	3.0	0.7	90	234	7.0	52	10:00	10:15	3.3	160	145	90	10:00	10:15	10:15	10:30	10:30	10:45	Pavan
																				22:45	23:00					22:00	22:15	22:15	22:30	22:30	22:45	Rajesh
3/08/25	9:00	44722	510	45357	386	113730	204	125	264	7.0	0.8	3.5	3.2	3.0	0.7	50	312	7.0	54	10:00	10:30	3.3	100	125	60	9:14	9:29	9:30	9:45	10:00	10:30	mahendra
																				23:15	23:45					22:30	22:45	22:45	23:00	23:15	23:45	mahendra
4/08/25	7:00	45332	595	45744	289	113934	173	110	250	7.5	1.2	3.7	3.4	3.0	0.7	15	200	7.0	5.5	10:00	10:30	3.0	100	110	15	9:15	9:30	9:30	9:45	9:45	10:00	Rajesh
																				22:45	23:15					22:00	22:15	22:15	22:30	22:30	22:45	Rajesh
5/08/25	7:00	45927	595	46630	320	114107	201	170	390	7.0		3.5	3.2	3.0	0.7	30	250	7.0	3.5	9:45	10:15	3.0	100	170	30	9:00	9:15	9:15	9:30	9:30	9:45	Rajesh
																				22:45	23:15					22:00	22:15	22:15	22:30	22:30	22:45	Rajesh
6/08/25	7:00	46422	659	46650	427	114300	201	150	371	7.0		3.6	3.4	3.0	0.7	25	245	7.0	3.1	9:45	10:15	3.1	100	150	25	9:00	9:15	9:15	9:30	9:30	9:45	Rajesh
																				22:30	23:00					21:45	22:00	22:00	22:15	22:15	22:30	Rajesh
7/08/25	7:00	47081	621	46777	322	114509	181	90	242	7.0		3.5	3.2	3.0	0.7	08	235	7.0	3.9	09:45	10:15	3.1	100	90	8	09:00	09:15	09:15	09:30	09:30	09:45	Pavan
																				21:45	22:15					21:00	21:15	21:15	21:30	21:30	21:45	Pavan
8/08/25	07:00	47702	639	47099	445	114970	175	145	334	7.0		3.7	3.4	3.0	0.7	40	195	7.0	2.4	09:45	10:15	3.2	100	145	40	09:00	09:15	09:15	09:30	09:30	09:45	Pavan
																				21:45	22:15					21:00	21:15	21:15	21:30	21:30	21:45	Pavan
9/08/25	07:00	48340	552	47544	448	114965	202	140	363	7.0		3.5	3.2	3.0	0.7	36	211	7.0	2.0	10:45	11:15	3.3	100	140	30	10:00	10:15	10:15	10:30	10:30	10:45	mahendra
																				23:45	10:15					23:00	23:15	23:15	23:30	23:30	23:45	mahendra
10/08/25	09:00	48947	612	47998	388	115067	191	125	343	7.0		3.5	3.0	2.8	0.8	24	287	7.0	2.9	11:45	12:15	3.2	100	125	24	11:00	11:15	11:15	11:30	11:30	11:45	mahendra
																				23:45	00:15					23:00	23:15	23:15	23:30	23:30	23:45	mahendra
11/08/25	09:00	49509	499	48380	325	115258	176	125	298	7.0		3.7	3.4	3.0	0.7	20	266	7.0		11:19	11:49	3.3	100	125	20	10:39	10:54	10:54	11:04	11:04	11:19	Rajesh
																				23:09	23:39					22:29	22:44	22:44	22:59	22:59	23:09	Rajesh
12/08/25	06:30	49998	567	48705	443	115434	169	165	195	7.0		3.7	3.3	3.0	0.7	14	268	7.0		9:30	10:00	3.2	100	165	14	8:45	9:00	9:00	9:15	9:15	9:30	Rajesh
																				23:30	23:00					22:45	23:00	23:00	23:15	22:15	23:30	Rajesh
13/08/25	6:30	50565	700	49148	480	115603	215	175	275	7.0		3.5	3.0	2.8	0.8	16	230	7.0		11:00	11:30	3.3	100	175	16	10:45	10:30	10:30	10:45	10:45	11:00	Rajesh
																				23:00	23:30					21:15	21:30	21:30	21:45	21:45	22:00	Rajesh

SRM UNIVERSITY AP
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STP-1 LOG REGISTER

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SEWAGE TREATMENT PLANT LOG REGISTER

MARCH

march - 25

STANDARD PARAMETERS FOR STP PRODUCT WATER AT SOFTENER OUTLET				
S.NO.	PARAMETER	STANDARD	UNITS	TEST RESULT
1	Colour	< 5	HAZEN	
2	Turbidity	< 5	NTU	
3	PH	6.5 - 8.5		
4	T S S	< 10	Mg/ Ltr	
5	C O D	Max. 250	Mg / Ltr	
6	B O D	Max. 20	Mg / Ltr	
7	M L S S (in Aeration Tank)	(Desirable limit . 1500-4000)	Mg / Ltr	

Note :
The minimum pressure that should be maintained at the inlet of Pressure sand filter should be 3 kg/Cm2
The difference pressure across the inlet and outlet of filter should not exceed 0.8, If exceeded, proper backwash of the filtermust be done
The water softener outlet hardness should be maintained as per above parameters

LOG DATE AND TIME		FEED WATER QUALITY				FILTER PRESSURES				PRODUCT WATER QUALITY				REGENERATION						BACK WASH						SIGNATURE		
DATE	TIME	FEED WATER HARDNESS PPM	FEED WATER TDS PPM	FEED WATER PH	FEED WATER TURBIDITY (<10)	PRESSURE SAND FILTER INLET PRESSURE Kg/cm2	ACTIVIATED CARBON FILTER INLET PRESSURE Kg/cm2	WATER SOFTENER INTLET PRESSURE Kg/cm2	WATER SOFTENER OUTTLET PRESSURE Kg/cm2	SOFTENER OUTTLET WATER HARNDESS PPM	SOFTENER OUTTLET WATER T D S PPM	SOFTENER OUTLET WATER PH	SOFTENER OUTLET WATER TURBIDITY (<10)	REGENERATION TIME FROM	REGENERATION TIME TO	SOFTENER INLET PRESSURE (Min. 2 Kg/Cm2)	NaCL QUANTITY	HARDNESS BEFORE REGENERATION	HARDNESS AFTER REGENERATION	SAND FILTER BACK WASH TIME FROM	SAND FILTER BACK WASH TIME TO	ACTIVATED FILTER BACK WASH TIME FROM	ACTIVATED FILTER BACK WASH TIME TO	SOFTENER FILTER BACK WASH TIME FROM	SOFTENER FILTER BACK WASH TIME TO	Tech Name		
01/03/25	07:00	N/A	620	8.0	N/A	2.0	1.8	1.7	1.5	78	397	7.0	2.9	9:20	9:50	1.8	160	N/A	78	8:35	8:50	8:50	9:05	9:05	9:20	Mohan		
														21:05	21:20					20:20	20:35	20:35	20:50	20:50	21:05	Ravitesa		
02/3/25	07:00	N/A	645	8.0	N/A	2.1	1.9	1.8	1.7	150	473	7.0	4.0	11:10	11:40	1.7	160	N/A	150	10:25	10:40	10:40	10:55	10:55	11:10	satish		
														21:02	21:32					20:19	20:32	20:32	20:47	20:47	21:02	Rajesh		
03/3/25	07:00	N/A	610	8.0	N/A	2.0	1.8	1.7	1.5	125	446	7.0	3.8	10:40	11:10	1.8	160	N/A	125	09:55	10:10	10:10	10:25	10:25	10:40	Ravitesa		
														21:30	22:00					20:45	21:00	21:00	21:15	21:15	21:30	satish		
04-3-25	7:00	N/A	600	8.0	N/A	2.1	1.9	1.8	1.7	125	300	7.0	5.0	08:10	08:40	1.7	160	N/A	125	07:25	07:40	07:40	07:55	07:55	08:10	Rajesh		
														20:33	21:03					19:48	20:03	20:03	20:18	20:19	20:33	satish		
05-3-25	7:00	N/A	586	8.0	N/A	2.0	1.9	1.7	1.5	150	344	7.0	4.9	11:10	11:40	1.8	160	N/A	150	10:25	10:40	10:40	10:55	10:55	11:10	Rajesh		
														21:00	21:30					20:15	20:30	20:30	20:45	20:45	21:00	Rajesh		
06-3-25	7:00	N/A	600	8.0	N/A	2.1	1.9	1.8	1.7	110	373	7.0	3.8	9:00	9:30	1.7	160	N/A	110	8:15	8:30	8:30	8:45	8:45	9:00	Rajesh		
														22:00	22:30					21:15	21:30	21:30	21:45	21:45	22:00	Rajesh		
07-3-25	7:00	N/A	560	8.0	N/A	2.0	1.8	1.7	1.5	90	300	7.0	2.9	2:50	3:10	1.8	160	N/A	90	1:55	2:10	2:10	2:25	2:25	2:40	Ravi		
														22:00	22:30					21:15	21:30	21:30	21:45	21:45	22:00			
08-3-25	7:00	N/A	500	8.0	N/A	2.1	1.9	1.8	1.7	100	400	7.0	4.1	11:13	11:43	1.7	160	N/A	100	10:28	10:43	10:43	10:58	10:58	11:13	Ravi		
														22:00	22:30					21:15	21:30	21:30	21:45	21:45	22:00			
9-3-25	7:00	N/A	645	8.0	N/A	2.0	1.8	1.7	1.5	120	340	7.0	4.1	11:00	11:30	1.8	160	N/A	120	10:15	10:30	10:30	10:45	10:45	11:00	Ravi		
														23:00	23:30					22:15	22:30	22:30	22:45	22:45	23:00			
10-3-25	7:00	N/A	420	8.0	N/A	2.1	1.9	1.8	1.7	90	290	7.0	2.9	10:30	11:00	1.7	160	N/A	90	09:45	10:00	10:00	10:15	10:15	10:30	Pavan		
														21:40	22:10					20:55	21:10	21:10	21:25	21:25	21:40	Rajesh		
11-3-25	7:00	N/A	586	8.0	N/A	2.0	1.8	1.7	1.5	140	364	7.5	5.2	10:35	10:35	1.8	160	N/A	140	09:20	09:35	09:35	09:50	09:50	10:05	Pavan		
														22:20	22:50					21:35	21:50	21:50	22:05	22:05	22:20	Rajesh		
12-3-25	7:00	N/A	400	8.0	N/A	2.1	1.9	1.8	1.7	160	384	7.5	5.4	12:00	12:30	1.7	160	N/A	160	11:15	11:30	11:30	11:45	11:45	12:00	Ravitesa		
														23:00	23:30					22:15	22:30	22:30	22:45	22:45	23:00	Rajesh		
13-3-25	7:00	N/A	600	8.0	N/A	2.0	1.8	1.7	1.5	120	311	7.5	3.4	12:00	12:30	1.8	160	N/A	120	11:15	11:30	11:30	11:45	11:45	12:00	Ravitesa		
														23:00	23:30					22:15	22:30	22:30	22:45	22:45	23:00	Rajesh		
14-3-25	7:00	N/A	645	8.0	N/A	2.1	1.9	1.8	1.7	150	370	7.5	4.9	11:13	11:43	1.7	160	N/A	150	10:28	10:43	10:43	10:58	10:58	11:13	Satish		
														20:45	21:15					20:00	20:15	20:15	20:30	20:30	20:45	Pavan		
15-3-25	7:00	N/A	624	8.0	N/A	2.0	1.8	1.7	1.5	150	414	7.5	6.7	10:49	11:19	1.8	160	N/A	150	10:04	10:19	10:19	10:34	10:34	10:49	Satish		
														21:17	21:47					20:32	20:47	20:47	21:02	21:02	21:17	Rajesh		
16-3-25	7:00	N/A	540	8.0	N/A	2.1	1.9	1.8	1.7	150	458	7.5	7.1	10:00	10:30	1.7	160	N/A	150	9:15	9:30	9:30	9:45	9:45	10:00	Satish		
														23:00	23:30					22:15	22:30	22:30	22:45	22:45	23:00	Rajesh		
17-3-25	7:00	N/A	420	8.0	N/A	2.0	1.8	1.7	1.5	150	360	7.5	5.0	09:53	10:23	1.8	160	N/A	150	09:08	09:23	09:23	09:38	09:38	09:53	Satish		
														21:19	22:49					20:34	20:49	20:49	21:04	21:04	21:19	Ravitesa		

SRM UNIVERSITY - Andhra Pradesh

SEWAGE TREATMENT PLANT LOG REGISTER

STANDARD PARAMETERS FOR STP PRODUCT WATER AT SOFTENER OUTLET				
S.NO.	PARAMETER	STANDARD	UNITS	TEST RESULT
1	Colour	< 5	HAZEN	
2	Turbidity	< 5	NTU	
3	PH	6.5 - 8.5		
4	T S S	< 10	Mg/ Ltr	
5	C O D	Max. 250	Mg / Ltr	
6	B O D	Max. 20	Mg / Ltr	
7	M L S S (in Aeration Tank)	(Desirable limit : 1500-4000)	Mg / Ltr	

Dec - 2025

Note :
The minimum pressure that should be maintained at the inlet of Pressure sand filter should be 3 kg/Cm2
The difference pressure across the inlet and outlet of filter should not exceed 0.8, If exceeded, proper backwash of the filtermust be done
The water softener outlet hardness should be maintained as per above parameters

LOG DATE AND TIME		FEED WATER QUALITY				FILTER PRESSURES				PRODUCT WATER QUALITY				REGENERATION							BACK WASH						SIGNATURE		
DATE	TIME	FEED WATER HARDNESS PPM	FEED WATER TDS PPM	FEED WATER PH	FEED WATER TURBIDITY (<10)	PRESSURE SAND FILTER INLET PRESSURE Kg/cm2	ACTIVIATED CARBON FILTER INLET PRESSURE Kg/cm2	WATER SOFTENER INTLET PRESSURE Kg/cm2	WATER SOFTENER OUTTLET PRESSURE Kg/cm2	SOFTENER OUTTLET WATER HARNDESS PPM	SOFTENER OUTTLET WATER T D S PPM	SOFTENER OUTLET WATER PH	SOFTENER OUTLET WATER TURBIDITY (<10)	REGENERATION TIME		SOFTENER INLET PRESSURE (Min. 2 Kg/Cm2)	NaCL QUANTITY	HARDNESS BEFORE REGENERA-TION	HARDNESS AFTER REGENERA-TION	SAND FILTER BACK WASH TIME		ACTIVATED FILTER BACK WASH TIME		SOFTENER FILTER BACK WASH TIME		Tech Name		
														FROM	TO					FROM	TO	FROM	TO	FROM	TO			
01/12/25		850	1241	8.0	N/A	1.8	1.6	1.4	1.3	500	721	7.0		9:45	10:45	1.5	100	850	700	9:00	9:15	9:15	9:30	9:30	9:45	Mahendra		
														18:45	19:15					18:00	18:15	18:15	18:30	18:30	18:45			
02/12/25		900	1196	8.0	N/A	1.8	1.6	1.4	1.4	590	730	7.0		11:45	12:15	1.5	100	900	380	11:00	11:15	11:15	11:30	11:30	11:45	Rajesh		
														23:45	00:15					23:00	23:15	23:15	23:30	23:30	23:45			
03/12/25		925	1153	8.0	N/A	1.8	1.6	1.4	1.4	580	700	7.0		9:45	10:15	1.5	100	760	350	9:00	9:15	9:15	9:30	9:30	9:45	Raju		
														17:45	18:15					17:00	17:15	17:15	17:30	17:30	17:45			
04/12/25		925	1203	8.0	N/A	1.8	1.6	1.4	1.3	425	630	7.0		10:45	11:15	1.5	100	900	390	10:00	10:15	10:15	10:30	10:30	10:45	Rahul		
														19:45	20:15					19:00	19:15	19:15	19:30	19:30	19:45			
05/12/25		950	1261	8.0	N/A	1.8	1.5	1.4	1.3	400	625	7.0		10:45	11:15	1.5	100	950	400	10:00	10:15	10:15	10:30	10:30	10:45	Mahendra		
														22:45	23:15					22:00	22:15	22:15	22:30	22:30	22:45			
06/12/25		900	1189	8.0	N/A	1.8	1.5	1.4	1.3	460	650	7.0		9:45	10:15	1.4	100	900	460	9:00	9:15	9:15	9:30	9:30	9:45	Mahendra		
														22:45	23:15					22:00	22:15	22:15	22:30	22:30	22:45			
07/12/25		900	1242	8.0	N/A	1.8	1.5	1.4	1.3	540	750	7.0		9:45	10:15	1.6	100	900	400	9:00	9:15	9:15	9:30	9:30	9:45	Rahul		
														22:45	23:15					22:00	22:15	22:15	22:30	22:30	22:45			
08/12/25		850	1170	8.0	N/A	1.8	1.5	1.4	1.3	520	720	7.0		9:45	10:15	1.5	100	850	390	9:00	9:15	9:15	9:30	9:30	9:45	Mahendra		
														22:45	23:15					22:00	22:15	22:15	22:30	22:30	22:45			
09/12/25		900	1190	8.0	N/A	1.8	1.5	1.4	1.3	580	780	7.0		9:45	10:15	1.4	100	900	390	9:00	9:15	9:15	9:30	9:30	9:45	Rahul		
														17:45	18:15					17:00	17:15	17:15	17:30	17:30	17:45			
10/12/25		950	1150	8.0	N/A	1.8	1.5	1.4	1.5	420	620	7.0		11:45	12:15	1.4	100	950	400	11:00	11:15	11:15	11:30	11:30	11:45	Rajesh		
														22:45	23:15					22:00	22:15	22:15	22:30	22:30	22:45			
11-12-25		910	1180	8.0	N/A	1.8	1.5	1.4	1.4	425	630	7.0		10:45	11:15	1.4	100	910	425	10:00	10:15	10:15	10:30	10:30	10:45	Rajesh		
														21:45	22:15					21:00	21:15	21:15	21:30	21:30	21:45			
12-12-25		850	1249	8.0	N/A	1.8	1.5	1.4	1.3	450	660	7.0		11:45	12:15	1.4	100	850	450	11:00	11:15	11:15	11:30	11:30	11:45	Mahendra		
														23:15	23:45					22:30	22:45	22:45	23:00	23:00	23:15			
13/12/25		800	1215	8.0	N/A	1.8	1.5	1.4	1.3	425	590	7.0		9:45	10:15	1.4	100	800	425	9:00	9:15	9:15	9:30	9:30	10:45	Rajesh		
														21:45	22:15					21:00	21:15	21:15	21:30	21:30	21:45			
14-12-25		950	1190	8.0	N/A	1.8	1.6	1.4	1.3	430	650	7.0		10:45	11:15	1.4	100	950	430	10:00	10:15	10:15	10:30	10:30	10:45	Rajesh		
														21:15	21:45					20:30	20:45	20:45	21:00	21:00	21:15			
15-12-25		900	1240	8.0	N/A	1.8	1.5	1.4	1.4	475	700	7.0		9:45	10:15	1.4	100	900	475	9:00	9:15	9:15	9:30	9:30	9:45	Mahendra		
														21:45	22:15					21:00	21:15	21:15	21:30	21:30	21:45			
16/12/25		865	1190	8.0	N/A	2.2	2.0	1.6	1.3	450	691	7.0		10:45	11:15	1.5	100	865	450	10:00	10:15	10:15	10:30	10:30	10:45	Mahendra		
														22:15	22:45					21:30	21:45	21:45	22:00	22:00	22:15			
17-12-25		800	1210	8.0	N/A	2.2	2.0	1.6	1.3	475	721	7.0		10:45	11:15	1.4	100			10:00	10:15	10:15	10:30	10:30	10:45	Rajesh		
														21:45	22:15					21:00	21:15	21:15	21:30	21:30	21:45			

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SEWAGE TREATMENT PLANT LOG REGISTER

STANDARD PARAMETERS FOR STP PRODUCT WATER AT SOFTENER OUTLET				
S.NO.	PARAMETER	STANDARD	UNITS	TEST RESULT
1	Colour	< 5	HAZEN	
2	Turbidity	< 5	NTU	
3	PH	6.5 - 8.5		
4	T S S	< 10	Mg/ Ltr	
5	C O D	Max. 250	Mg / Ltr	
6	B O D	Max. 20	Mg / Ltr	
7	M L S S (in Aeration Tank)	(Desirable limit : 1500-4000)	Mg / Ltr	

Dec - 2025

Note :
The minimum pressure that should be maintained at the inlet of Pressure sand filter should be 3 kg/Cm2
The difference pressure across the inlet and outlet of filter should not exceed 0.8, If exceeded, proper backwash of the filtermust be done
The water softener outlet hardness should be maintained as per above parameters

LOG DATE AND TIME		FEED WATER QUALITY				FILTER PRESSURES				PRODUCT WATER QUALITY				REGENERATION						BACK WASH						SIGNATURE
DATE	TIME	FEED WATER HARDNESS PPM	FEED WATER TDS PPM	FEED WATER PH	FEED WATER TURBIDITY (<10)	PRESSURE SAND FILTER INLET PRESSURE Kg/cm2	ACTIVIATED CARBON FILTER INLET PRESSURE Kg/cm2	WATER SOFTENER INTLET PRESSURE Kg/cm2	WATER SOFTENER OUTTLET PRESSURE Kg/cm2	SOFTENER OUTTLET WATER HARNDESS PPM	SOFTENER OUTTLET WATER T D S PPM	SOFTENER OUTLET WATER PH	SOFTENER OUTLET WATER TURBIDITY (<10)	REGENERATION TIME		SOFTENER INLET PRESSURE (Min. 2 Kg/Cm2)	NaCL QUANTITY	HARDNESS BEFORE REGENERA-TION	HARDNESS AFTER REGENERA-TION	SAND FILTER BACK WASH TIME		ACTIVATED FILTER BACK WASH TIME		SOFTENER FILTER BACK WASH TIME		Tech Name
														FROM	TO					FROM	TO	FROM	TO	FROM	TO	
01/12/25		850	1241	8.0	N/A	1.8	1.6	1.4	1.3	500	721	7.0		9:45	10:15	1.5	100	850	700	9:00	9:15	9:15	9:30	9:30	9:45	Mahendra
														18:45	19:15					18:00	18:15	18:15	18:30	18:30	18:45	
02/12/25		900	1196	8.0	N/A	1.8	1.6	1.4	1.4	570	730	7.0		11:45	12:15	1.5	100	900	350	11:00	11:15	11:15	11:30	11:30	11:45	Rajesh
														23:45	00:15					23:00	23:15	23:15	23:30	23:30	23:45	
03/12/25		925	1153	8.0	N/A	1.8	1.6	1.4	1.4	580	740	7.0		9:45	10:15	1.5	100	760	350	9:00	9:15	9:15	9:30	9:30	9:45	Rajesh
														17:45	18:15					17:00	17:15	17:15	17:30	17:30	17:45	
04/12/25		925	1203	8.0	N/A	1.8	1.6	1.4	1.3	425	630	7.0		10:45	11:15	1.5	100	900	390	10:00	10:15	10:15	10:30	10:30	10:45	Rajesh
														19:45	20:15					19:00	19:15	19:15	19:30	19:30	19:45	
05/12/25		950	1261	8.0	N/A	1.8	1.5	1.4	1.3	400	625	7.0		10:45	11:15	1.5	100	950	400	10:00	10:15	10:15	10:30	10:30	10:45	Mahendra
														22:45	23:15					22:00	22:15	22:15	22:30	22:30	22:45	
06/12/25		900	1189	8.0	N/A	1.8	1.5	1.4	1.3	460	650	7.0		9:45	10:15	1.4	100	900	460	9:00	9:15	9:15	9:30	9:30	9:45	Mahendra
														22:45	23:15					22:00	22:15	22:15	22:30	22:30	22:45	
07/12/25		900	1242	8.0	N/A	1.8	1.5	1.4	1.3	540	760	7.0		9:45	10:15	1.6	100	900	400	9:00	9:15	9:15	9:30	9:30	9:45	Rajesh
														22:45	23:15					22:00	22:15	22:15	22:30	22:30	22:45	
08/12/25		850	1170	8.0	N/A	1.8	1.5	1.4	1.3	520	720	7.0		9:45	10:15	1.5	100	850	390	9:00	9:15	9:15	9:30	9:30	9:45	Mahendra
														22:45	23:15					22:00	22:15	22:15	22:30	22:30	22:45	
09/12/25		900	1190	8.0	N/A	1.8	1.5	1.4	1.3	580	750	7.0		9:45	10:15	1.4	100	900	390	9:00	9:15	9:15	9:30	9:30	9:45	Rajesh
														17:45	18:15					17:00	17:15	17:15	17:30	17:30	17:45	
10/12/25		950	1150	8.0	N/A	1.8	1.5	1.4	1.3	420	620	7.0		11:45	12:15	1.4	100	950	400	11:00	11:15	11:15	11:30	11:30	11:45	Rajesh
														22:45	23:15					22:00	22:15	22:15	22:30	22:30	22:45	
11-12-25		910	1180	8.0	N/A	1.8	1.5	1.4	1.4	425	630	7.0		10:45	11:15	1.4	100	910	425	10:00	10:15	10:15	10:30	10:30	10:45	Rajesh
														21:45	22:15					21:00	21:15	21:15	21:30	21:30	21:45	
12-12-25		850	1249	8.0	N/A	1.8	1.5	1.4	1.3	450	660	7.0		11:45	12:15	1.4	100	850	450	11:00	11:15	11:15	11:30	11:30	11:45	Mahendra
														23:15	23:45					22:30	22:45	22:45	23:00	23:00	23:15	
13/12/25		800	1215	8.0	N/A	1.8	1.5	1.4	1.3	495	590	7.0		9:45	10:15	1.4	100	800	425	9:00	9:15	9:15	9:30	9:30	10:45	Rajesh
														21:45	22:15					21:00	21:15	21:15	21:30	21:30	21:45	
14-12-25		950	1190	8.0	N/A	1.8	1.6	1.4	1.3	430	650	7.0		10:45	11:15	1.4	100	450	430	10:00	10:15	10:15	10:30	10:30	10:45	Rajesh
														21:15	21:45					20:30	20:45	20:45	21:00	21:00	21:15	
15-12-25		900	1240	8.0	N/A	1.8	1.5	1.4	1.4	475	700	7.0		9:45	10:15	1.4	100	900	475	9:00	9:15	9:15	9:30	9:30	9:45	Mahendra
														21:45	22:15					21:00	21:15	21:15	21:30	21:30	21:45	
16/12/25		865	1190	8.0	N/A	2.2	2.0	1.6	1.3	450	691	7.0		10:45	11:15	1.5	100	865	450	10:00	10:15	10:15	10:30	10:30	10:45	Mahendra
														22:15	22:45					21:30	21:45	21:45	22:00	22:00	22:15	
17-12-25		800	1210	80	N/A	2.2	2.0	1.6	1.3	415	721	7.0		10:45	11:15	1.4	100			10:00	10:15	10:15	10:30	10:30	10:45	Rajesh
														21:45	22:15					21:00	21:15	21:15	21:30	21:30	21:45	

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RO PLANT

LOG REGISTER

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RO PLANT LOG REGISTER

S.NO.	STANDARD PARAMETERS FOR RO PRODUCT WATER OUTLET PARAMETER	WHO STANDARD	REQUIRED STANDARD
1	Turbidity	< 05	< 05
2	PH	6.5 - 8.5	6.5 - 8.5
3	Total Hardness	< 300	< 50
4	TDS	< 500	< 100

Note :
The minimum pressure that should be maintained at the inlet of Pressure Raw Water Pump should be 3 Kg/Cm2
The water RO outlet TDS should be maintained as per above required parameters

October - 25

LOG DATE AND TIME		FEED WATER QUALITY				Micron Filter Cartridge Pressures		RO Block Pressures			RO Flowrates		Running Hours	PRODECT WATER QUALITY				RO OUT Meter Reading	Consumtion	Signature			REMARKS
DATE	TIME	FEED WATER HARDNESS PPM	FEED WATER T D S PPM	FEED WATER PH	FEED WATER TURBIDITY (<10)	Inlet (Kg/Cm2)	Outlet (Kg/Cm2)	Feed (Kg/Cm2)	Intermediate (Kg/Cm2)	Reject (Kg/Cm2)	Product (Lph)	Reject (Lph)	Hours	FEED WATER HARDNESS PPM	FEED WATER T D S PPM	FEED WATER PH	FEED WATER TURBIDITY (<05)		KL	Technician Name	Signature		
1-10-25	07:00	85	431	7.0		1.4	1.4	0.9	16.5	15.0	800	1600		2	47	7.0		4320	1	Mahendra			
02/10/25	07:00	20	251	7.0		1.4	1.4	0.9	16.5	15.0	800	1600		2	56	7.0		4321	0	Mahendra			
03/10/25	07:00	20	239	7.0		1.4	1.4	0.9	16.5	15.0	800	1600		2	31	7.0		4321	2	Rufesh			
04-10-25	7:00	25	228	7.0		1.4	1.4	0.9	16.5	15.0	800	1600		4	62	7.0		4323	6	Rajesh			
05-10-25	06:15	30	200	7.0		1.4	1.4	0.9	16.5	15.0	800	1200		06	46	7.0		4329	1	Raiteja			
06/10/25	06:30	15	289	7.0		1.4	1.4	0.9	16.5	15.0	1000	1200		4	47	7.0		4330	6	Raith			
07/10/25	06:30	20	220	7.0		1.4	1.4	0.9	16.5	15.0	1000	1200		4	76	7.0		4336	4	Pavan			
08/10/25	06:30	10	197	7.0		1.4	1.4	0.9	16.5	15.0	1000	1200		14	76	7.0		4340	5	Pavan			
09/10/25	07:00	10	197	7.0		1.4	1.4	0.9	16.5	15.0	800	1600		12	78	7.0	0.1	4345	5	Mahendra			
10-10-25	07:00	10	149	7.0		1.4	1.4	0.9	16.5	15.0	800	1600		16	89	7.0		4350	7	Rufesh			
11-10-25	7:00	10	181	7.0		1.4	1.4	0.9	16.5	15.0	800	1600		18	87	7.0		4357	6	Rufesh			
12-10-25	08:15	15	216	7.0		1.4	1.4	0.9	16.5	15.0	800	1400		12	96	7.0		4363	5	Raiteja			
13/10/25	07:00	5	231	7.0		1.4	1.4	0.9	16.5	15.0	800	1400		4	87	7.0		4368	6	Pavan			
14/10/25	07:00	25	145	7.0		1.4	1.4	0.9	16.5	15.0	800	1400		14	68	7.0		4374	4	Pavan			
15/10/25	07:00	9	161	7.0		1.4	1.4	0.9	16.5	15.0	800	1400		2	94	7.0		4378	13	Pavan			
16/10/25	09:00	10	205	7.0		1.4	1.4	0.9	16.5	15.0	600	1000		16	101	7.0		4391	9	Mahendra			
17/10/25	09:00	55	185	7.0		1.4	1.4	0.9	16.5	15.0	600	1000		12	81	7.0		4400	8	Mahendra			
18/10/25	07:50	45	160	7.0		1.3	1.4	0.8	15.0	15.0	650	1200		10	68	7.0		4408	3	Pavan			
19/10/25	07:00	40	170	7.0		1.3	1.4	0.9	15.5	15.0	600	1200		12	88	7.0		4408	8				
20/10/25	09:00	24	214	7.0		1.4	1.4	0.9	16.5	15.0	650	1000		10	74	7.0		4411	3	Mahendra			
21/10/25	06:45	30	196	7.0		1.4	1.4	0.9	16.5	15.0	650	1000		12	78	7.0		4413	3	Mahendra			
22/10/25	06:50	40	180	7.0		1.4	1.4	0.9	15.4	15.0	600	1000		12	68	7.0		4417	8	Pavan			
23/10/25	07:00	55	174	7.0		1.4	1.5	0.9	15.5	15.0	650	1000		14	14	7.0		4425	6	Pavan			
24/10/25	07:00	25	205	7.0		1.4	1.4	0.9	16.5	15.0	650	1000		6	65	7.0		4438	3	Mahendra			
25-10-25	7:00	45	238	7.0		1.4	1.4	0.9	16.5	15.0	650	1000		8	47	7.0		4435	3	Rufesh			
26/10/25	07:00	30	180	7.0		1.4	1.4	0.9	16.5	15.0	800	1000		10	58	7.0		4442	6	Rajesh			
27/10/25	07:00	40	132	7.0		1.4	1.4	0.9	16.5	15.0	800	1000		10	63	7.0		4448	6	Rajesh			
28/10/25	07:00	45	145	7.0		1.4	1.4	0.9	16.5	15.0	800	1000		8	58	7.0		4454	5	Pavan			
29/10/25	07.00	35	205	7.0		1.4	1.4	0.9	16.5	15.0	800	1000		10	67	7.0		4459	3	Pavan			