

## Water Quality Status of river Pennar

Water quality of river Pennar is monitored regularly on monthly basis under National Water Quality Monitoring project (NWMP) by Andhra Pradesh Pollution Control Board. Water quality status of the river Pennar is as follows:

Water quality of river Pennar is monitored at the following four locations.

01	1255	Unganoor
02	1256	Pushpagiri
03	0030	Siddavatam
04	1257	Somasila

### Annual average values – 2014, 2015 & 2016, 2017 (Up to November)

Parameters	Year	1255	1256	0030	1257	*Standard		
						Class A	Class B	Class C
pH	2014	7.48	7.33	7.74	7.28	6.0 – 8.5		
	2015	8.1	8.1	8.0	8.0			
	2016	8.0	8	7.9	7.8			
	2017	7.9	7.9	8.0	7.9			
DO	2014	5.4	6.4	3.4	6.2	6.0	5.0	4.0
	2015	5.7	4.7	4.7	6.0			
	2016	4.5	5.3	5.1	6.5			
	2017	4.7	5.7	5.9	6.9			
BOD	2014	0.5	2.1	1.3	2.4	2.0	3.0	3.0
	2015	1.7	1.4	1.7	1.4			
	2016	0.7	1.2	1	0.7			
	2017	1.0	1.2	1.2	1.5			
T. Coli	2014	552	523	307	410	50	500	5000
	2015	147	264	224	908			
	2016	20	339	263	617			
	2017	200	350	350	755			
TDS	2014	407	423	373	686	500 - 2000		
	2015	701	626	661	540			
	2016	618	424	594	508			
	2017	675	499	529	542			

**Note:** All values are expressed in mg/L except pH & T. Coli value.  
T. Coli is expressed in MPN count / 100 ml.

**Remarks:** Pennar river water falls under the category of Class 'C' (drinking water source with conventional treatment followed by disinfection).