Comparison table of Sintex PSTP v/s Conventional STP

Sr. No.	Sintex PSTP	Conventional STP
1	It is based on MBBR Technology	It is based on ASP & trickling Filter Technology
2	It is a package system housed in FRP Tank	It is made of various treatment units constructed of RCC and Brick masonry work, MS and FRP
3	There is good temperature insulation due to FRP Tank, Hence efficiency of BOD removal will be consistent throughout the year.	Efficiency of BOD removal varies with the season of the year.
4	There is no fungal growth.	There is fungal growth due to Eutrophication.
5	MLSS & FM ratio do not required to be monitored	Constant monitoring of MLSS is required.
6	It works from no load to peak load.	The system only works peak load.
7	Sludge handling required once in 1-2 years.	In a primary settling tank, sludge handling required every 2 days. In secondary settling tank, sludge handling required every 15 days.
8	There is no footprint as of underground system. Garden or Parking can be done over the system	The system generally is placed above ground.
9	There is no skilled supervision required. Normally gardener or watchman can take care of the system	Skilled supervision and continuous monitoring required.
10	It consumes about 50% less electricity e.g. 6 Hp electricity is consumed for 100 KLD	It consumes higher electricity e.g. 12 Hp electricity required for 100 KLD
11	Aesthetic appearance is very good	There is a nuisance of foul smell and flies

12	As of FRP material, it is leak proof, there is no root integration	There are joints in RCC, brick masonry, MS,FRP construction which cause to leakage and root integration.
13	It is installed within 10 days. which reduce the project time line	Construction work takes more time which increase the project time line and thus the over all cost.
14	The system can be upgraded and can be relocated.	No such scope available
15	It has the life of more than 50 years.	It has the life of less than 20 year