

CRXFLOW HSSAR MBBR SERIES

HSSAR 20

20 KLD SEWAGE TREATMENT PLANT – Technical Specifications

Specifications	
Flow Rates	
Maximum Flowrate	1000 LPH
Maximum Capacity	20 KLD
Water Quality	
Inlet Water BOD	Upto 350 mg/L
Outlet BOD	<30 mg/L
Equipment	
Bucket Screen	SS304 Punched Hole Type
Effluent Transfer Pump	Wilo Initial Drain (1 HP) (1 + 1 STANDBY)
Air Blower	A1-315 with 1 HP Crompton Motor (1+1 STANDBY)
Coarse Bubble Diffuser	2 Nos - EPDM (5 m ³ /hr)
Fine Bubble Diffuser	4 Nos- SSI Aeration (5 m ³ /hr)
MBBR Media	1.1 m ³ - Virgin HDPE -1200 m ² /m ³
Filter Feed Pump	Wilo Raptor 1 HP (1+1 STANDBY)
Pressure Sand Filter	13 inch dia x 54 inch Height – graded Sand
Activated Carbon Filter	13 inch dia x 54 inch Height – IV 600
Dosing System	3 Nos – Edose with 30 L Tank
PH Sensor	Aster PO650 PH Controller
Electric Panel	L&T Switch Gear + Eldon/Rittal Enclosure
Rotameter	3000 LPH Rotameter - Aster
Energy Meter	L&T 3 Phase Energy Meter
Water Meter	Anand – 1 inch Water Meter
Sludge Pump	Wilo Initial Drain (1 HP)
Bacteria Culture	2 Kg Aerobic Bacteria for Commissioning
Caustic Soda	50 Kg for Commissioning
Poly Electrolyte	25 Kg for Commissioning
Sodium Hypochlorite	50 Kg for Commissioning
Plumbing & Electrical	
Plumbing within 5 metre battery limit of the STP	HPVC 10 Kg Pipe & Fittings – Supreme / Equivalent
Electricals within 5 metre battery limit of STP	Armoured cables run on Perforated trays
Optional Accessories	
Sludge Screw Press	0.5 m ³ /hr Crxflow Screw press for sludge Dewatering
Warranty	
1 Year from date of Commissioning or 18months from date of major supply- whichever is earlier	

PROCESS FLOW DIAGRAM

