

Specifications for Bulk Mix Delivery System -Straight Emulsion

Pre-Mix Bin : Vertical Rectangular Bin to be fabricated from IS 2062 5 mm thick plates. The bottom of the Bin will be conical and the outlet will match the inlet of pre-mix pump. The bin will be completed with inlet nozzle, Manhole at the top bottom outlet with screw and support legs for mounting.

GA Bin : Vertical Rectangular Bin to be fabricated from SS 304 3 mm thick plates. The bottom of the Bin will be flat and the outlet will have valve with strainer & connected to the inlet of process pump. The bin will be completed with all necessary nozzle, Level indicator, Vacuum Relief valve etc.

Water Bin : Vertical Rectangular Bin to be fabricated from SS 304 3 mm thick plates. The bottom of the Bin will be flat and the outlet will have valve with strainer & connected to the inlet of process pump. The bin will be completed with all necessary nozzle, Level indicator, Vacuum Relief valve etc.

Air Receiver : Horizontal, Cylindrical Dished Ends Tank to be fabricated from IS 226 quality plates. The shell will be from 3 mm & the ends will be from 4 mm thick plates. The tank will be completed with all necessary Nozzle, Drain, Vent & Legs support.

Hose Reel : To be fabricated from IS 2062/SS 304 quality materials. The reel will be completed with Drive Arrangement, Guide Roller with Cylinder and will accommodate 40-50 Mtrs. of 2" Flexible Hose.

Static Mixer : To be fabricated from 4" NB Sch 10 Pipe with flanges and completed with Pitched baffle inside and GA injection nozzle.

Process Pumps : a) WMAA 602- Product Pump.
b) RDA 472- GA Pump.
c) RDA 474 - Lubrication Pump.(Water Pump).

Hydraulic Systems :

- a) Hydraulic Oil Tank : 500 Ltrs capacity Rectangular tank to be fabricated from IS 226 4 mm thick plates. It will be completed with Filler Breather cum pouring strainer, Level Indicator with Thermometer, Return Line Filter, Outlet Nozzle with Suction Strainer And Gate Valve.
- b) Hydraulic Pump : Parker Commercial Make Fixed Displacement Gear Pump.
- c) Hydraulic Motor: Danfoss make Low Speed High Torque Hydraulic Motor - 6 Nos.
- d) Control Valve : Danfoss make Proportional Valve Bank – 6 Set.
- e) System Relief Valve: Yuken make Solenoid Operated Relief valve.
- f) Pipe /Pipe fittings/ Flexible Hoses& Pressure Gauge : Std. Reputed make.

Instrumentation :

- a) Flow Star make 2Nos. in line Acrylic Body Rota Meter for GA & Water.
- b) Diaphragm Pressure Gauge for Product Pump.
- c) Digital RPM Indicator with Proximity Sensor- 2 Set.
- d) Weight Indicator with Proximity Sensor - 1 Set.

Safety Features :

- a) Spark Arrestor to be fitted on Vehicle Exhaust.
- b) Body Ear thing Chain at Rear & Front of the vehicle.
- c) High pressure Trip for Product Pump.
- d) Temperature Controller For Product Pump.