

Table 2.3.1	
Process Design Conditions - Rotary Dryer	
Process Parameter	Maximum
Mass Flow Rate (kg/hr)	31,250
Fertilizer	26,200
Additives	2,630
Water	2,450
Nominal Capacity (t/day)	750
Product Form	Pellets
Pellet Diam (mm)/ Length (mm)	3.5/3.5
Bulk Density (kg/m ³)	1,050
Inlet Moisture (%)	10.0
Discharge Moisture (%)	0.6
Inlet Temperature (°C)	55
Outlet Temperature (°C)	90
Specific Heat (kJ/kg-K)	1.06
Angle of Repose (degree)	40