

**TABLE 2.1 : RAW MATERIALS REQUIREMENT FOR THE PROPOSED
80 KLPD MOLASSES**

S.No.	Raw Material	Unit	Quantity
1.	Molasses	TPD	351
2.	Water	MT/day	1277
3.	Electricity	KW	1200
4.	Steam boiler	TPH	12.0
5.	H2SO4	Kg/d	130-140
6.	Antifoam	Ltr/d	130
7.	Urea	MT/m	20
8.	Liquid Caustic	Kg/m	315
9.	Enzymes	Kg/d	104
10.	Antifoam	Kg/d	130
11.	Anhydrous Ammonia	Kg/d	70
12.	Yeast	Kg/d	5.0
13.	Biogas, Nm3/day	15000	40000
14.	Bagasse, tpd	40	40

**TABLE 2.2 : RAW MATERIALS REQUIREMENT FOR THE EXISTING
25 KLPD MOLASSES**

S.No.	Raw Material	Unit	Quantity
1.	Molasses	TPD	105
2.	Water	MT/day	650
3.	Electricity	KW/HR	400
4.	Steam	TPD	185
5.	Press Mud	MT/ANNUUM	11600
6.	Biogas	M3/Day	15000
7.	Bagasse	MT/Day	40

TABLE 2.3 : STACK CHARACTERISTICS FOR 12 TPH BOILER

Flue gas quantity, m ³ /hr	:	35,370
Temperature, deg.C	:	160
Material of construction	:	MS
Velocity, m/s	:	8.0
Diameter at Top, mm	:	1.25
Height from G.L.,m	:	35
SPM, mg/Nm ³	:	< 50
APCS	:	Bag filters & Cyclones
