

EQUIPMENT LIST

Sr. No.	Tag No.	Description	Qty.	M.O.C		Capacity / H.T.A
				SHELL	J/C/T	
1	C-101	CONTINUOUS DISTILLATION COLUMN FOR ETHANOL	1	SS-304	SS-304	570 ID
2	HE-101	FEED PRE-HEATER FOR C-101	1	SS-304	SS-304	1.91 m2
3	HE-102	MAIN CONDENSER FOR C-101	1	SS-304	SS-304	24.4 m2
4	HE-103	VENT CONDENSER FOR C-101	1	SS-304	SS-304	3.6 m2
5	HE-104	REBOILER FOR C-101	1	SS-304	SS-304	22 m2
6	HE-105	LIQUID SUBCOOLER FOR C-101	1	SS-304	SS-304	1.5 m2
7	V-101	REFLUX DRUM	1	SS-304	-	0.25KL
8	RC-101	DISTILLED ETHANOL RECEIVER	1	SS-304	-	3 KL
9	RC-102	BOTTOM PRODUCT RECEIVER	1	SS-304	-	3 KL
10	ST-101	FEED STORAGE TANK FOR DIL. ETHANOL	1	SS-304	-	15 KL
11	P-101A/B	FEED PUMP FOR C-101	2	SS-304	-	-
12	P-102A/B	BOTTOM PRODUCT TRANSFER PUMP	2	SS-304	-	-
13	P-103	VENT PRODUCT RECEIVER	1	SS-304	-	-
14	P-104	DISTILLATE TRANSFER PUMP	1	SS-304	-	-

NOTES:

1. * indicates data to be confirmed by client
2. CASE I: DISTILLATION OF DILUTE STREAM (50% ETHANOL.)
3. CASE II: DISTILLATION OF CONCENTRATED STREAM (90% ETHANOL)

