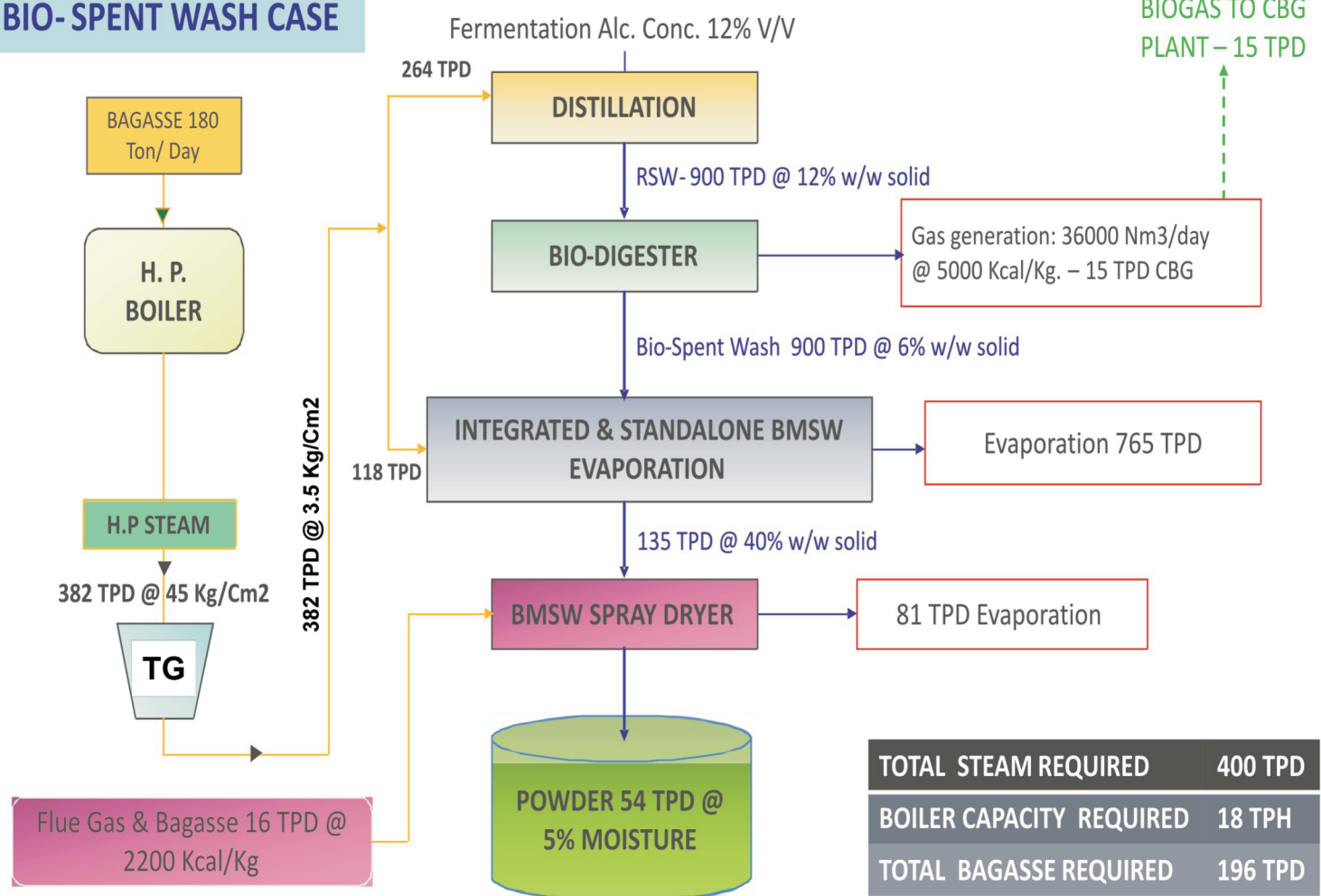


Comparison of Bio-Methanated Vs Incineration Scheme

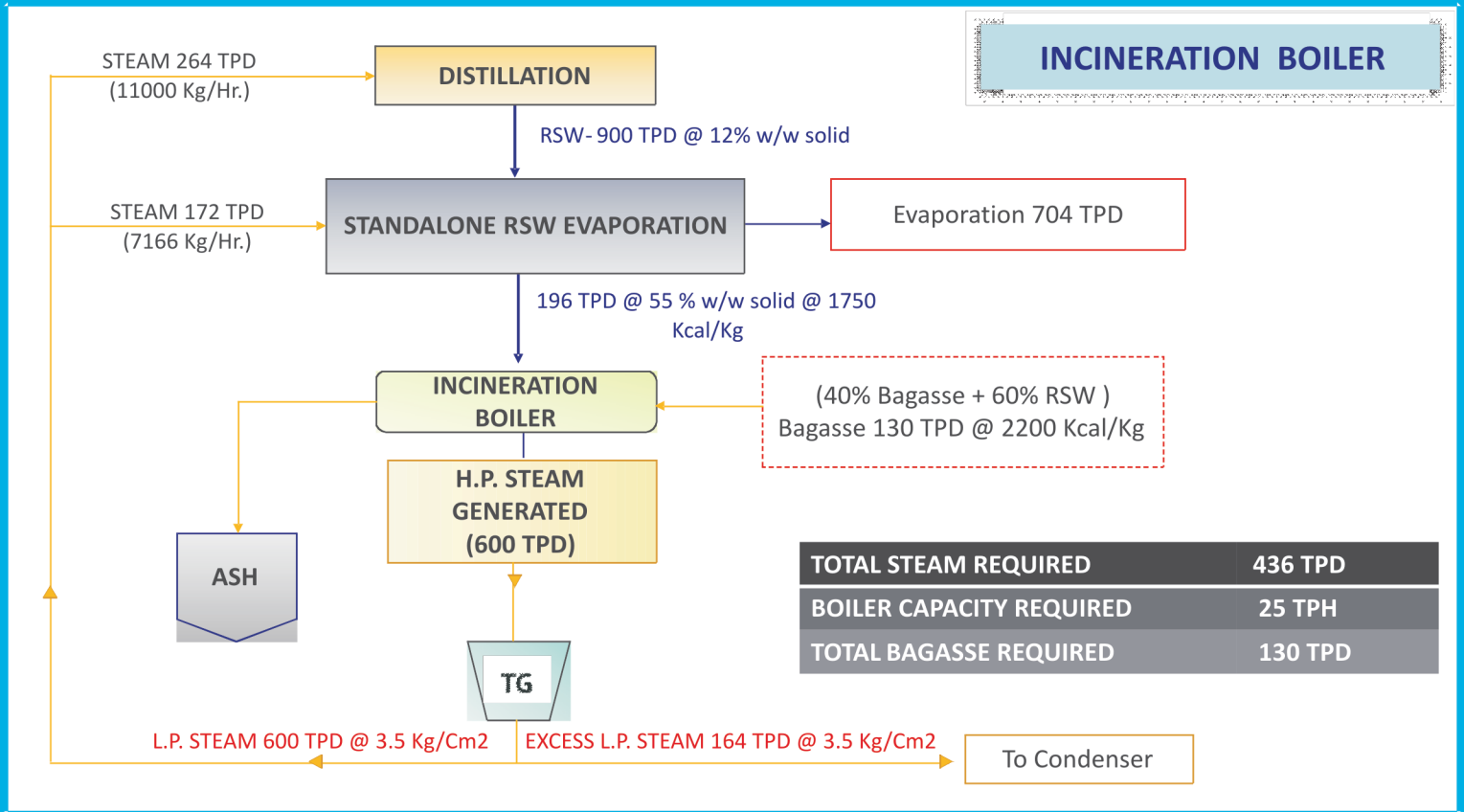
Case Study for 120 KLPD Molasses Based Distillery



BIO- SPENT WASH CASE



RAJ PROCESS
EQUIPMENTS AND SYSTEMS PVT. LTD.



SL	DESCRIPTION	UNIT	BMSW DRYER (OPTION-I)	INCINERATION BOILER (OPTION-II)
1	Steam of Distillation & MSDH Plant (2.3 Kg/Lit.)	TPD	264	264
2	Steam of Evaporation Plant	TPD	118	172
3	Total Steam Required	TPD	382	436
4	Boiler Capacity (Installed)	TPH	20	25
A. BAGASSE CONSUMPTION & ECONOMICS				
5	Bagasse Required for Generation of above mentioned balance Steam (Supplementary Fuel)	TPD	180	130
6	Bagasse Required for Dryer with with Flue Gas	TPD	16	-
7	Total Bagasse Required Approximate	TPD	196	130
8	Cost of Bagasse (2500 Rs./MT)	Rs./Day	(4,90,000)	(3,25,000)
9	Revenue from BMSW Granule Fertilizer (8000 Rs./MT) X 67 TPD	Rs./Day	5,36,000	70,000
10	Processing Cost for Granule with Bag	Rs./Day	(67,000)	-
11	Revenue from CBG 15 TPD @ 70,000	Rs./Day	10,50,000	-
12	Processing Cost for CBG @15000 Rs./MT	Rs./Day	(2,25,000)	-
13	Net Profit	Rs./Day	8,04,000	2,55,000
14	Savings Per Day	Rs./Day	10,59,000	
15	Saving Per liter of Ethanol	Rs/Lit of Ethanol	8.825	-