

DISTILLERY PLANT OPERATIONAL DETAILS - SEASON 2020-21

Sr	DETAILS		Gandevi	Madhi	Chalthan	Sayan	Mahuva	Ganesh	Kamrej	Pandvai	Narmada
1	Rectified Spirit Prod.	Liters	13757174	8111700	10207440	4305242	9334296	4505000	3458544	8752000	11172926
2	Absolute Alcohol Prod.	Liters	8994759	4774320	4838455	2992356	6441848	3886000	2278753	6085367	9529598
3	RS for Absolute (Captive)	Liters	9433793	5034643	5137394	3156944	6774869	4065000	2424182	6423840	10117546
4	Molasses distilled	MT	49044	29274	36581	15885	32051	16615	13608	31193	40278
5	Recovery	Ltrs./	280.51	277.10	279.04	271.02	291.23	271.14	254.15	280.57	277.40
		MT.									
6	Fermentation Efficiency	%	92.33	90.53	90.0	93.75	96.40	89.56	88.40	92.70	91.70
7	Distillation Efficiency	%	99.59	98.59	99.0	99.78	97.6	98.08	98.4	99.4	99.00
8	Overall Efficiency	%	91.95	89.25	94.5	93.54	94.20	87.84	86.98	92.14	90.783
9	TRS	/%	49	50	47.5	49.68	51.12	52	46.2	50.23	50.94
10	FS	%	45	46	43.5	42.05	48.00	47	41.3	47.0	47.1
11	UFS	%	4	4	4.0	7.18	3.12	5	4.9	3.23	3.83
12	Total F.Wash Distilled	M ³	124389	94591	120087	81179	81001.24	51040	31372	76123	93527
13	Total Working	Hours	4580	3765	3768	3367	4080	3000	2784	4560	5496
14	Total Working	Days	190.00	160.00	157.00	140.00	170.00	125.00	116.00	190.00	229.00
15	Spent Wash Generation	Liters	57387000	67499770	52057944	34170000	55697344	28070000	28448000	57365000	70898000
16	Spent Wash Use in Compost	Liters	57387000	67499770	52057944	34170000	13775500	27000000	18400000	57365000	31604000
17	Steam Consumption	MT	24462	17734	20415	14850	17518	12348	7156	15621	41081
18	Power Consumption	KWH	1604500	1560720	1622982	347000	1493144	827968	509280	971831	5238823
19	Chemical consumption										
20	Anti-foam	Kgs.	13850	3800	15400	20200	14500	8140	11125	12825	17233
21	Sulphuric Acid	Kgs.	1800	2000	1740	21000	27450	1300	2288	0	14976
22	Enzyme	Kgs.	628	550	485	270	425	300	353	472	582
23	Sodium metabisulphite	Kgs.	0	0	1500	0	0	0	0	0	0
24	Antiscalent	Kgs.	0	0	500	3200	0	0	0	600	0
25	Caustic Flakes	Kgs.	8000	4000	100	300	2550	2500	200	500	3300
26	Nitric Acid	Kgs.	0	1250	900	0	1200	0	0	400	0

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27	Formalin	Kg.	0	100	300	0	100	0	0	750	0
28	Nitrogen	Kgs.	6310	9900	5500	0	17900	0	0	6750	7050
29	Common Salt	Kgs.	37290	5000	27000	8000	21430	0	2000	14500	26500
30	Others Chemicals, if any	Kgs.	0	0	100	0	400	0	0	0	0
31	Cons. For per litrs. Of RS										
a	Spent Wash	Ltr./Ltr.	4.17	8.32	5.10	7.93	5.96	6.23	8.22	6.55	6.346
b	Steam Consumption	Kg./Ltr.	1.78	2.19	2.00	3.45	1.87	2.74	2.06	1.78	3.68
c	Power Consumption	Kwh./Ltr.	0.12	0.19	0.16	0.08	0.16	0.18	0.15	0.11	0.47
d	Anti-foam	Kg./Ltr.	0.001	0.0005	0.0015	0.0047	0.0015	0.01	0.0032	0.0014	0.0015
e	Sulphuric Acid	Kg./Ltr.	0.0001	0.0003	0.00017	0.0048	0.0029	0.01	0.00066	0	0.0013
f	Enzyme	Kg.	0.0456	0.00007	0.047	0.07	0.0000455	0.07	0.00010	0.000053	0.0521
g	Sodium metabisulphate	Kg./Ltr.	0	0	0.00014			0	0	0	0.0000
h	Antiscalent	Kg./Ltr.	0	0	0.000048	0.00074		0	0	0.00006	0.0000
i	Caustic Flakes	Kg./Ltr.	0.0006	0.0005	0.00001	0.000069	0.00027	0.05	0.000057	0.00005	0.0003
j	Nitric Acid	Kg./Ltr.	0	0.0000	0.0000088		0.000120	0	0	0.000045	0.0000
k	Formalin	Kg./Ltr.	0	0	0.000029		0.0000001	0.00	0	0.00008	0.0000
l	Nitrogen	Kg./Ltr.	0.0004	0.0012	0.00053		0.00191	0	0	0.00007	0.0006
m	Common Salt	Kg./Ltr.	0.003	0.0006	0.0026	0.0018	0.00229	0	0.00057	0.0016	0.0024
n	RS for Absolute (Captive)	Kg./Ltr.	1.049	1.055	1.061	1.055	1.051	1.046	1.063	1.055	1.061