

DISTILLERY PLANT OPERATIONAL DETAILS - SEASON 2022-23

Sr	DETAILS		Gandevi	Madhi	Chalthan	Sayan	Mahuva	Ganesh	Kamrej	Pandvai	Narmada
1	Rectified Spirit Prod.	Liters	14166173	7454340	9619557	4240871	7659941	3482000	4066390	8908801	12100608
2	Absolute Alcohol Prod.	Liters	9229970	6165000	4093572	3361039	5844566	3318000	3620342	6881711	10714219
3	RS for Absolute (Captive)	Liters	9721233	6500416	4319267	3545905	6158919	3486000	3844207	7314872	11355029
4	Molasses distilled	MT	49388	26611	35075	15115	26523	13357	15250	29696	43089
5	Recovery	Ltrs./	286.83	280.12	274.26	280.57	288.80	260.68	266.65	300.00	280.82
		MT.									
6	Fermentation Efficiency	%	90.72	90.20	91.29	93.04	95.47	89.12	88.22	91.47	90.22
7	Distillation Efficiency	%	99.22	98.52	99.06	99.65	109	98.51	98.47	99.60	98.28
8	Overall Efficiency	%	90.01	88.87	95.145	92.71	104.00	87.79	89.59	91.10	88.69
9	TRS	/%	51	49.00	50.0	50.12	50.84	48.50	50.0	53.40	54.46
10	FS	%	47	45.30	45.0	44.33	46.97	44.50	45.0	49.00	50.26
11	UFS	%	4	3.70	5.0	5.79	3.87	4.00	5.0	4.40	4.2
12	Total F.Wash Distilled	M ³	124429	77639	101005	55528	67256	35991	340	73896	107841
13	Total Working	Hours	4154	2974	3000	3359	3408	2328	3312		5256
14	Total Working	Days	172.83	133.00	125.00	140.00	150.00	97.00	138.00	178.00	219.00
15	Spent Wash Generation	Liters	51160000	47801610	49056453	31900	47409285	28798490	31358000	53273800	87207000
16	Spent Wash Use in Compost	Liters	51160	47801610	49056453		24436278	13946950	30000000	53273800	17677000
17	Steam Consumption	MT	23149	19398.540	20201	31900	17184	13912	8229	17374	41960
18	Power Consumption	KWH	1505296	1372906	1539129	365335	1218093	74787	797381	1435106	5362587
19	Chemical consumption							0			
20	Anti-foam	Kgs.	14100	6950	23700	21000	7150	2000	17250	9850	16095
21	Sulphuric Acid	Kgs.	1050	3620	2050	19000	18608	500	5000	0	30978
22	Enzyme	Kgs.	546	430	474	300	546	290	448	486	2261
23	Sodium metabisulphite	Kgs.		1500	0			550	400	0	90
24	Antiscalent	Kgs.	1500	0	100	3600		0	0	800	527
25	Caustic Flakes	Kgs.	8000	1000	500	200	5050	2500	1000	800	600
26	Nitric Acid	Kgs.		1500	660		2285	0	0	800	100

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Formalin	Kg.	400	60	230		200	0	0	1120	0
Nitrogen	Kgs.	7875	890	4950		500	0	0	6496	0
Common Salt	Kgs.	34210	3000	21450		17280	0	0	10000	12500
Others Chemicals, if any	Kgs.		0	0		210	0	0	0	1318
Cons. For per litrs. Of RS										
Spent Wash	Ltr./Ltr.	3.61	6.41	5.1	7.52	9.39	8.27	7.71	5.98	7.2
Steam Consumption	Kg./Ltr.	1.63	2.18	2.1	1.91	2.24	3.31	2.00	1.95	3.46
Power Consumption	Kwh./Ltr.	0.10	0.18	0.16	0.048	0.159	4.62	0.20	0.16	0.443
Anti-foam	Kg./Ltr.	0.00100	0.0009	0.0025	0.0049	0.0009	0.35	0.4	0.0011	0.0013
Sulphuric Acid	Kg./Ltr.	0.00007	0.0005	0.00021	0.0044	0.0024	0.002	0.01	0	0.0025
Enzyme	Kg.	0.038	0.058	0.049	0.000070	0.0001	0.15	0.01	0.00005	0.00018
Sodium metabisulphate	Kg./Ltr.		0.0002	0			0.010	0.01	0	0.00
Antiscalent	Kg./Ltr.		0	0.00001	0.00084		0	0	0.00008	0.0000043
Caustic Flakes	Kg./Ltr.	0.00056	0.0001	0.00001	0.000047	0.0004	0.03	0.02	0.00008	0.0000049
Nitric Acid	Kg./Ltr.		0.0000	0.000068		0.0007	0	0	0.00008	0.00
Formalin	Kg./Ltr.		0	0.000023		0.0003	0.00	0	0.00012	0.00
Nitrogen	Kg./Ltr.	0.00056	0.0001	0.0005		0	0	0	0.00072	0.00
Common Salt	Kg./Ltr.	0.0024	0.0004	0.0022	0	0.0001	0	0	0.0011	0.0010
RS for Absolute (Captive)	Kg./Ltr.	1.053	1.054	1.055	1.055	1.053	0.95	0.94	1.062	0.9383