

**TABLE : 9**  
**DISTILLERY PLANT OPERATIONAL DETAILS - SEASON 2023-24**

| Sr | DETAILS   |                | Gandevi  | Madhi     | Chalthan | Sayan   | Mahuva               | Ganesh   | Kamrej   | Pandvai  | Narmada  |
|----|---|----------------|----------|-----------|----------|---------|----------------------|----------|----------|----------|----------|
| 1  | Rectified Spirit Prod.                            | Liters         | 10889753 | 7811000   | 8917502  | 3418389 | 7079078              | 2536000  | 5228434  | 8315352  | 7818391  |
| 2  | Absolute Alcohol Prod.                            | Liters         | 864262   | 5230000   | 3652331  | 2336695 | 5007866              | 2417000  | 3508747  | 6384471  | 7166616  |
| 3  | RS for Absolute ( Captive )                       | Liters         | 9103270  | 5513142   | 3858754  | 2465159 | 5335421              | 2536000  | 3722324  | 6788013  | 7675604  |
| 4  | Molasses distilled                                | MT             | 39715    | 27776     | 32771    | 12163   | 24570.1              | 9740     | 18574    | 28735    | 29300    |
| 5  | Recovery  | Ltrs./<br>MT.  | 274.20   | 281.21    | 272.12   | 281.04  | 288.1                | 260.37   | 281.48   | 289.38   | 255.00   |
| 6  | Fermentation Efficiency                           | %              | 91.00    | 90.18     | 91.00    | 92.64   | 89.36                | 89.12    | 89.49    | 92.33    | 91.00    |
| 7  | Distillation Efficiency                           | %              | 98.77    | 98.94     | 99.00    | 99.8    | 113                  | 98.51    | 98.28    | 98.97    | 98.5     |
| 8  | Overall Efficiency                                | %              | 89.88    | 89.22     | 90       | 92.66   | 100.00               | 87.79    | 87.95    | 91.38    | 94.75    |
| 9  | TRS   | /%             | 49       | 51.62     | 48.7     | 50.25   | 48.07                | 48.00    | 52.0     | 49.8     | 48.2     |
| 10 | FS  | %              | 45       | 46.70     | 44.8     | 44.50   | 44.03                | 44.00    | 48.8     | 46.00    | 43.8     |
| 11 | UFS   | %              | 4        | 4.92      | 4.0      | 5.27    | 4.04                 | 4.00     | 3.2      | 3.8      | 4.4      |
| 12 | Total F.Wash Distilled                            | M <sup>3</sup> | 98803    | 72435291  | 88500    | 43632   | 59349.15             | 24328.5  | 45687    | 69865    | 67886    |
| 13 | Total Working                                     | Hours          | 3779     | 2814      | 2832     | 2426    | 3240                 | 1776     | 2688     |          | 3528     |
| 14 | Total Working                                     | Days           | 157.450  | 121.00    | 118.00   | 101.00  | 135.00               | 74.00    | 112.00   | 141.00   | 147.00   |
| 15 | Spent Wash Generation                             | Liters         | 42620000 | 53407020  | 46235709 | 27056   | 43985489             | 19462800 | 38836000 | 53624000 | 55286000 |
| 16 | Spent Wash Use in<br>Compost<br>Evaopration Plant | Liters         | 42620000 | 43978880  | 46235709 | 27056   | 11680220<br>30095817 | 13000000 | 38000000 | 53624000 | 4293000  |
| 17 | Steam Consumption                                 | MT             | 17374    | 16924.950 | 18726    | 11036   | 14187                | 7113     | 9330     | 15492    | 29685    |
| 18 | Power Consumption                                 | KWH            | 2005323  | 1284424   | 1417881  | 582300  | 1158209              | 491540   | 918630   | 1201975  | 3645152  |
| 19 | Chemical consumption                              |                |          |           |          |         |                      | 0        |          |          |          |
| 20 | Anti-foam   | Kgs.           | 12200    | 6950      | 26300    | 18700   | 11450                | 2700     | 14000    | 8025     | 18350    |
| 21 | Sulphuric Acid                                    | Kgs.           | 2350     | 2030      | 1200     | 11400   | 12634                | 0        | 7000     | 800      | 11400    |
| 22 | Enzyme  | Kgs.           | 364      | 480       | 441      | 220     | 429                  | 554      | 330      | 570      | 1018     |
| 23 | Sodium metabisulphite                             | Kgs.           | 0        | 4265      | 0        |         |                      | 330      | 0        |          | 0        |
| 24 | Antiscalent                                       | Kgs.           | 37       | 0         | 150      | 2200    |                      | 300      | 0        |          | 0        |
| 25 | Caustic Flakes                                    | Kgs.           | 3500     | 1500      | 800      | 100     | 2650                 | 200      | 800      | 800      | 0        |
| 26 | Nitric Acid                                       | Kgs.           | 0        | 100       | 500      | 0       | 3015                 | 0        | 0        | 800      | 0        |

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|----|----------------------------|-----------|---------|--------|----------|----------|--------|--------|--------|----------|---------|
| 27 | Formalin                   | Kg.       | 125     | 60     | 100      |          | 200    | 0      | 50     | 750      | 0       |
| 28 | Nitrogen                   | Kgs.      | 3780    | 4430   | 3825     |          | 154    | 0      | 0      | 796      | 0       |
| 29 | Common Salt                | Kgs.      | 27840   | 400    | 15000    | 1200     | 14400  | 0      | 200    | 6000     | 21500   |
| 30 | Others Chemicals, if any   | Kgs.      | 1000    | 0      | 2200     |          | 115    | 0      | 0      | 0        | 1480    |
| 31 | Cons. For per litrs. Of RS |           |         |        | 5.18     |          |        | 0      |        |          |         |
| a  | Spent Wash                 | Ltr./Ltr. | 3.91    | 6.8    | 0.0      | 7.92     | 6.21   | 7.67   | 7.43   | 6.45     | 0.01    |
| b  | Steam Consumption          | Kg./Ltr.  | 1.60    | 2.16   | 2.1      | 1.92     | 2.04   | 2.86   | 1.8    | 1.86     | 0.00    |
| c  | Power Consumption          | Kwh./Ltr. | 0.18    | 0.16   | 0.16     | 0.17     | 0.163  | 0.57   | 0.17   | 0.15     | 0.466   |
| d  | Anti-foam                  | Kg./Ltr.  | 0.001   | 0.0009 | 0.0029   | 0.005    | 0.0015 | 0.085  | 0.27   | 0.0010   | 0.002   |
| e  | Sulphuric Acid             | Kg./Ltr.  | 0.002   | 0.0002 | 0.00013  | 0.0033   | 0.0018 | 0      | 0.01   | 0.000096 | 0.001   |
| f  | Enzyme                     | Kg.       | 0.033   | 0.006  | 0.049    | 0.064000 | 0.0001 | 0.17   | 0.01   | 0.000068 |         |
| g  | Sodium metabisulphate      | Kg./Ltr.  | 0.00    | 0.0005 | 0        |          |        | 0.008  | 0      | 0        | 0.00    |
| h  | Antiscalent                | Kg./Ltr.  | 0       | 0      | 0.000016 | 0.00064  |        | 0      | 0      | 0.00000  | 0       |
| i  | Caustic Flakes             | Kg./Ltr.  | 0.0003  | 0.0002 | 0.000089 | 0.000029 | 0.0004 | 0.007  | 0.01   | 0.000096 | 0       |
| j  | Nitric Acid                | Kg./Ltr.  | 0       | 0.0001 | 0.000056 |          | 0.0004 | 0      | 0      | 0.000096 | 0       |
| k  | Formalin                   | Kg./Ltr.  | 0       | 0      | 0.000011 |          | 0.0004 | 0.00   | 0      | 0.00009  | 0       |
| l  | Nitrogen                   | Kg./Ltr.  | 0.0003  | 0.0006 | 0.00042  |          | 0      | 0      | 0      | 0.000095 | 0       |
| m  | Common Salt                | Kg./Ltr.  | 0.0025  | 0.0001 | 0.0016   | 0.00035  | 0      | 0      | 0      | 0.00072  | 0.0030  |
| n  | RS for Absolute (Captive)  | Kg./Ltr.  | 1.053   | 1.054  | 1.0565   | 1.055    | 1.065  | 0.95   | 0.94   | 1.063    | 1.071   |