

Project Note

| Sr. No. | Item | Details | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|-------------------------------------|--|----------------------|----------|-----------|-------|------------------------|-------------------------|---------------------|---------------|--------------|-------|-------|------------------|------------|---------|----------|-----------------|----------|----------|-------|-------------------|------|------------------|------|------------------|----|----|----|----------|----------|--|------|------|------------------|----|-------|
| 1. | Name & Address of the Project | Jakraya Sugar Ltd. Village Watwate, Tal. - Mohol, Dist.: Solapur, Maharashtra. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Latitude & Longitude | 17 ⁰ 34' 23.20" N 75 ⁰ 39' 02.41" E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2. | Name of the applicant & Designation | Mr. Sachin B. Jadhav Managing Director | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | Type of Project | Expansion of Sugar Factory, Co-gen Plant & Distillery (Molasses/Cane Juice) and proposed establishment of Synthetic Organic Chemical Manufacturing unit in same premises. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4. | Capacity of Project | <p style="text-align: center;">A) Expansion of Sugar Factory, Co-gen Plant & Distillery</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">Unit</th> <th style="text-align: center;">Existing</th> <th style="text-align: center;">Expansion</th> <th style="text-align: center;">Total</th> </tr> </thead> <tbody> <tr> <td>Sugar factory</td> <td style="text-align: center;">4900 TCD</td> <td style="text-align: center;">2600 TCD</td> <td style="text-align: center;">7500 TCD</td> </tr> <tr> <td>Co-gen Plant</td> <td style="text-align: center;">11 MW</td> <td style="text-align: center;">19 MW</td> <td style="text-align: center;">30 MW</td> </tr> <tr> <td>Distillery</td> <td style="text-align: center;">30 KLPD</td> <td style="text-align: center;">170 KLPD</td> <td style="text-align: center;">200 KLPD</td> </tr> </tbody> </table> <p style="text-align: center;">B) Proposed Synthetic Organic Chemical Manufacturing unit</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="text-align: center;">Products</th> <th colspan="2" style="text-align: center;">Quantity</th> </tr> <tr> <th style="text-align: center;">MT/D</th> <th style="text-align: center;">MT/A</th> </tr> </thead> <tbody> <tr> <td>Acetic Anhydride</td> <td style="text-align: center;">50</td> <td style="text-align: center;">15000</td> </tr> </tbody> </table> | Unit | Existing | Expansion | Total | Sugar factory | 4900 TCD | 2600 TCD | 7500 TCD | Co-gen Plant | 11 MW | 19 MW | 30 MW | Distillery | 30 KLPD | 170 KLPD | 200 KLPD | Products | Quantity | | MT/D | MT/A | Acetic Anhydride | 50 | 15000 | | | | | | | | | | | |
| Unit | Existing | Expansion | Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar factory | 4900 TCD | 2600 TCD | 7500 TCD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Co-gen Plant | 11 MW | 19 MW | 30 MW | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Distillery | 30 KLPD | 170 KLPD | 200 KLPD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Products | Quantity | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MT/D | MT/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acetic Anhydride | 50 | 15000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | Production Capacities | <p style="text-align: center;">A) Expansion of Sugar Factory, Co-gen Plant & Distillery</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="text-align: center;">Product & By-product</th> <th colspan="3" style="text-align: center;">Quantity</th> </tr> <tr> <th style="text-align: center;">Existing (4900 TCD)</th> <th style="text-align: center;">Expansion (2600 TCD)</th> <th style="text-align: center;">Total (7500 TCD)</th> </tr> </thead> <tbody> <tr> <td>Sugar (MT/ M)</td> <td style="text-align: center;">16500</td> <td style="text-align: center;">8580</td> <td style="text-align: center;">25080</td> </tr> <tr> <td>Molasses (MT/ M)</td> <td style="text-align: center;">6450</td> <td style="text-align: center;">3400</td> <td style="text-align: center;">9850</td> </tr> <tr> <td>Bagasse (MT/ M)</td> <td style="text-align: center;">45050</td> <td style="text-align: center;">23900</td> <td style="text-align: center;">68950</td> </tr> <tr> <td>Press Mud (MT/ M)</td> <td style="text-align: center;">6000</td> <td style="text-align: center;">3200</td> <td style="text-align: center;">8200</td> </tr> <tr> <td>Electricity (MW)</td> <td style="text-align: center;">11</td> <td style="text-align: center;">19</td> <td style="text-align: center;">30</td> </tr> </tbody> </table> <p style="text-align: center;">B) Proposed Synthetic Organic Chemical Manufacturing unit</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="text-align: center;">Products</th> <th colspan="2" style="text-align: center;">Quantity</th> </tr> <tr> <th style="text-align: center;">MT/D</th> <th style="text-align: center;">MT/A</th> </tr> </thead> <tbody> <tr> <td>Acetic Anhydride</td> <td style="text-align: center;">50</td> <td style="text-align: center;">15000</td> </tr> </tbody> </table> | Product & By-product | Quantity | | | Existing (4900 TCD) | Expansion (2600 TCD) | Total (7500 TCD) | Sugar (MT/ M) | 16500 | 8580 | 25080 | Molasses (MT/ M) | 6450 | 3400 | 9850 | Bagasse (MT/ M) | 45050 | 23900 | 68950 | Press Mud (MT/ M) | 6000 | 3200 | 8200 | Electricity (MW) | 11 | 19 | 30 | Products | Quantity | | MT/D | MT/A | Acetic Anhydride | 50 | 15000 |
| Product & By-product | Quantity | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Existing (4900 TCD) | Expansion (2600 TCD) | Total (7500 TCD) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Sugar (MT/ M) | 16500 | 8580 | 25080 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Molasses (MT/ M) | 6450 | 3400 | 9850 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Bagasse (MT/ M) | 45050 | 23900 | 68950 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Press Mud (MT/ M) | 6000 | 3200 | 8200 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Electricity (MW) | 11 | 19 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Products | Quantity | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | MT/D | MT/A | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Acetic Anhydride | 50 | 15000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. | Land acquired | <ul style="list-style-type: none"> Total Plot Area - 22.51 Ha. Existing Built up Area (Sugar, Cogen, Distillery) - 3.10 Ha. Proposed Built up Area - 0.14 Ha. Total Green Belt Area - 7.51 Ha. Total Open Area -11.75 Ha. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. | Cost of the Project | <p>Total Project Cost: Rs. 181 Crores.</p> <ul style="list-style-type: none"> Expansion of Sugar, Co-generation & Distillery – Rs.141 Crs. Proposed Chemical Manufacturing Project – Rs.40 Crs. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--------------------------|--------------------------------|--|--------------|----------|-----------|--|-----------|---|---|---|-------------|----------|----------|----------|----------|--------|--------|--------|-----------|---------|---------|---------|---------------|----------|-------------|----------|--------------|--------------|--------------|--------------|--------------|------|------|------|-------------|---------|--|-------------|--------|--------|----------|--------|---------|-----------|--------------|--------|---------------|----------------------|--------------|--------------------------|----|----|-------|-------|-------|-----------|----|-----|----------|-----|-------|---------------|--------------|---|
| 8. | Air Pollution Control Measures | <p data-bbox="695 191 1442 222" style="text-align: center;">A) Expansion of Sugar Factory, Co-gen Plant & Distillery</p> <table border="1" data-bbox="586 260 1503 564"> <thead> <tr> <th data-bbox="586 260 789 296">Description</th> <th data-bbox="789 260 992 296">Existing</th> <th colspan="2" data-bbox="992 260 1503 296">Expansion</th> </tr> <tr> <th data-bbox="586 296 789 331">Stack No.</th> <th data-bbox="789 296 992 331">1</th> <th data-bbox="992 296 1203 331">2</th> <th data-bbox="1203 296 1503 331">3</th> </tr> </thead> <tbody> <tr> <td data-bbox="586 331 789 367">Attached to</td> <td data-bbox="789 331 992 367">Boiler-1</td> <td data-bbox="992 331 1203 367">Boiler-2</td> <td data-bbox="1203 331 1503 367">Boiler-3</td> </tr> <tr> <td data-bbox="586 367 789 403">Capacity</td> <td data-bbox="789 367 992 403">70 TPH</td> <td data-bbox="992 367 1203 403">50 TPH</td> <td data-bbox="1203 367 1503 403">90 TPH</td> </tr> <tr> <td data-bbox="586 403 789 438">Fuel type</td> <td data-bbox="789 403 992 438">Bagasse</td> <td data-bbox="992 403 1203 438">Bagasse</td> <td data-bbox="1203 403 1503 438">Bagasse</td> </tr> <tr> <td data-bbox="586 438 789 474">Fuel quantity</td> <td data-bbox="789 438 992 474">739 MT/D</td> <td data-bbox="992 438 1203 474">532.56 MT/D</td> <td data-bbox="1203 438 1503 474">951 MT/D</td> </tr> <tr> <td data-bbox="586 474 789 510">APC to stack</td> <td data-bbox="789 474 992 510">Wet scrubber</td> <td data-bbox="992 474 1203 510">Wet scrubber</td> <td data-bbox="1203 474 1503 510">Wet scrubber</td> </tr> <tr> <td data-bbox="586 510 789 546">Stack Height</td> <td data-bbox="789 510 992 546">72 M</td> <td data-bbox="992 510 1203 546">65 M</td> <td data-bbox="1203 510 1503 546">75 M</td> </tr> </tbody> </table> <p data-bbox="675 606 1463 638" style="text-align: center;">B) Proposed Synthetic Organic Chemical Manufacturing unit</p> <table border="1" data-bbox="594 676 1495 1056"> <thead> <tr> <th data-bbox="594 676 932 711">Description</th> <th colspan="2" data-bbox="932 676 1495 711">Project</th> </tr> <tr> <th data-bbox="594 711 932 747">Attached to</th> <th data-bbox="932 711 1265 747">Boiler</th> <th data-bbox="1265 711 1495 747">DG Set</th> </tr> </thead> <tbody> <tr> <td data-bbox="594 747 932 783">Capacity</td> <td data-bbox="932 747 1265 783">15 TPH</td> <td data-bbox="1265 747 1495 783">500 KVA</td> </tr> <tr> <td data-bbox="594 783 932 819">Fuel Type</td> <td data-bbox="932 783 1265 819">Baggase/Coal</td> <td data-bbox="1265 783 1495 819">Diesel</td> </tr> <tr> <td data-bbox="594 819 932 854">Fuel quantity</td> <td data-bbox="932 819 1265 854">7.0MT/Hr + 3.0 MT/Hr</td> <td data-bbox="1265 819 1495 854">70-80 Ltr/Hr</td> </tr> <tr> <td data-bbox="594 854 932 890">Material of construction</td> <td data-bbox="932 854 1265 890">MS</td> <td data-bbox="1265 854 1495 890">MS</td> </tr> <tr> <td data-bbox="594 890 932 926">Shape</td> <td data-bbox="932 890 1265 926">Round</td> <td data-bbox="1265 890 1495 926">Round</td> </tr> <tr> <td data-bbox="594 926 932 961">Height, m</td> <td data-bbox="932 926 1265 961">36</td> <td data-bbox="1265 926 1495 961">5 M</td> </tr> <tr> <td data-bbox="594 961 932 997">Diameter</td> <td data-bbox="932 961 1265 997">0.5</td> <td data-bbox="1265 961 1495 997">0.1 M</td> </tr> <tr> <td data-bbox="594 997 932 1033">APC equipment</td> <td data-bbox="932 997 1265 1033">Wet Scrubber</td> <td data-bbox="1265 997 1495 1033">-</td> </tr> </tbody> </table> | Description | Existing | Expansion | | Stack No. | 1 | 2 | 3 | Attached to | Boiler-1 | Boiler-2 | Boiler-3 | Capacity | 70 TPH | 50 TPH | 90 TPH | Fuel type | Bagasse | Bagasse | Bagasse | Fuel quantity | 739 MT/D | 532.56 MT/D | 951 MT/D | APC to stack | Wet scrubber | Wet scrubber | Wet scrubber | Stack Height | 72 M | 65 M | 75 M | Description | Project | | Attached to | Boiler | DG Set | Capacity | 15 TPH | 500 KVA | Fuel Type | Baggase/Coal | Diesel | Fuel quantity | 7.0MT/Hr + 3.0 MT/Hr | 70-80 Ltr/Hr | Material of construction | MS | MS | Shape | Round | Round | Height, m | 36 | 5 M | Diameter | 0.5 | 0.1 M | APC equipment | Wet Scrubber | - |
| Description | Existing | Expansion | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stack No. | 1 | 2 | 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Attached to | Boiler-1 | Boiler-2 | Boiler-3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacity | 70 TPH | 50 TPH | 90 TPH | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fuel type | Bagasse | Bagasse | Bagasse | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fuel quantity | 739 MT/D | 532.56 MT/D | 951 MT/D | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APC to stack | Wet scrubber | Wet scrubber | Wet scrubber | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Stack Height | 72 M | 65 M | 75 M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Description | Project | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Attached to | Boiler | DG Set | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Capacity | 15 TPH | 500 KVA | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fuel Type | Baggase/Coal | Diesel | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fuel quantity | 7.0MT/Hr + 3.0 MT/Hr | 70-80 Ltr/Hr | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Material of construction | MS | MS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Shape | Round | Round | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Height, m | 36 | 5 M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Diameter | 0.5 | 0.1 M | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| APC equipment | Wet Scrubber | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Sr. No. | Item | Details | | | |
|---|----------------------------------|---|---|---|---|
| 9. | Water Requirement | A. Sugar & Co-gen :- | | | |
| | | Description | Existing M ³ /day | Expansion M ³ /day | Total M ³ /day |
| | | Domestic | 50[#] | 15[#] | 65[#] |
| | | Industrial | | | |
| | | a. Process | 1050* | 485* | 1535* |
| | | b. Cooling | 175* | 75* | 250* |
| | | c. Boiler Makeup | 93.6 [#] + 74.4* | 88.3 [#] + 127.7* | 181.9 [#] + 202.1* |
| | | d. DM back wash | 70* | 40* | 110* |
| | | e. Washing | 20* | 10* | 30* |
| | | f. Ash quenching | 10* | 05* | 15* |
| | | Industrial Use (a+b+c+d+e+f) | 1493 (1399.4* + 93.6 [#]) | 831 (742.7* + 88.3 [#]) | 2324 (2142.1* + 181.9 [#]) |
| | | III. Gardening | | | |
| | | | 45* | 10* | 55* |
| | | Grand Total | 1588 (1444.4* + 143.6 [#]) | 856 (752.7* + 103.3 [#]) | 2444 (2197.1* + 246.9 [#]) |
| | | Note-[#] - Fresh water, *-Recycled Sugar cane condensate. | | | |
| | | B. Distillery Unit:- | | | |
| | | Description | Existing M ³ /day | Expansion M ³ /day | Total M ³ /day |
| | | Domestic | 10[#] | -- | 10[#] |
| | | Industrial | | | |
| | | a. Fermentation | 83 [#] + 162* | 80 [#] + 1263* | 163 [#] + 1425* |
| | | b. Cooling tower | 70 [#] | 484 [#] | 554 [#] |
| | | c. Boiler make up | 07 [#] | 149 [#] | 156 [#] |
| | | d. Lab; Wash | 05 [#] | 00 [#] | 05 [#] |
| | | Industrial Use (a+b+c+d) | 327 (162* + 165 [#]) | 1976 (1263* + 713 [#]) | 2303 (1425* + 878 [#]) |
| | | Grand Total | 337 (162* + 175 [#]) | 1976 (1263* + 713 [#]) | 4289 (1425* + 888 [#]) |
| Note: [#] - Water taken from River, * - Condensate water. | | | | | |
| C. Chemical Unit – | | | | | |
| No. | Description | Water Consumption (M ³ /Day) | | | |
| 1. | Domestic | #3 | | | |
| 2. | Industrial | | | | |
| | a. Processing | #1.2 | | | |
| | b. Washing | #2 | | | |
| | c. R&D Lab, QC Lab & Pilot Plant | #2 | | | |
| | d. Cooling | 300 (#250.5+*49.5) | | | |
| | e. Boiler Feed | #40 | | | |
| | f. Scrubber | #2 | | | |
| | g. Other utility operations | #0.5 | | | |
| | h. DM backwash for boiler | #2 | | | |
| | Industrial Total | 300.2 (#300.2 + *49.5) | | | |
| .3. | Gardening | *2 | | | |
| | Grand Total | 354.7 (#303.2 + *51.5) | | | |

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|---------|---------------------|-------------------------------------|------------------------------------|-------------------------------------|--------------------------------|---|
| 10. | Effluent Generation | A. Sugar & Co-generation | | | | |
| | | Description | Existing M³/day | Expansion M³/day | Total M³/day | Disposal |
| | | Domestic | 48 | 12 | 60 | Treated in proposed STP |
| | | Industrial | | | | |
| | | a. Process | 345 | 150 | 495 | Treated in well designed upgraded Effluent Treatment Plant (ETP). |
| | | b. Cooling | 10 | 5 | 15 | |
| | | c. Boiler Makeup | 20 | 24 | 44 | |
| | | d. Lab; Wash & DM | 90 | 50 | 140 | |
| | | Industrial Use (a+b+c+d) | 465 | 229 | 694 | |
| | | Grand Total | 513 | 241 | 754 | |
| | | B. Distillery | | | | |
| | | Purpose | Existing M³/ day | Expansion M³/ day | Total M³/day | Disposal Method |
| | | Industrial | | | | |
| | | Process Fermentation dilution | Raw Spent wash- 240 | Raw Spent wash- 1360 | Raw Spent wash- 1600 | Raw spent wash shall be treated in Bio-methanation Plant followed by Concentration in Multiple Effect Evaporator (MEE) and used for incineration /ETFD. |
| | | | Conc. Spentwash 48 | Conc. Spentwash 272 | Conc. Spentwash 320 | |
| | | | Condensate 192 | Condensate 1088 | Condensate 1280 | |
| | | | Spent lees – 42 | Spent lees – 241 | Spent lees – 283 | Treated in Condensate Polishing Unit (CPU) and recycled back in process |
| | | Cooling Blow down | 70 | 414 | 484 | |
| | | Lab; Washing | 5 | 0 | 5 | |
| | | Domestic | 10 | -- | 10 | Treated in proposed STP |

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|---------|-----------------|--|------------------------------------|--|----------------------------|--|
| | | C. Chemical Unit – | | | | |
| | | No. | Description | Effluent Generation (M³/Day) | Disposal | |
| | | 1 | Domestic | 2 | Proposed STP | |
| | | 2 | Industrial | | | |
| | | | a. Processing | 11 | Proposed ETP single stream | |
| | | | b. Washing | 2 | | |
| | | | c. R & D Lab, QC Lab & Pilot plant | 2 | | |
| | | | d. Cooling Tower blow down | 30 | | |
| | | | e. Boiler blow down | 4 | | |
| | | | f. Scrubber | 0.5 | | |
| | | | g. DM backwash for boiler | 2 | | |
| | | | Total | 51.5 | | |
| 11. | Solid Waste | A. Sugar & Co-generation | | | | |
| | | Type of Waste | Existing | Expansion | Total | Disposal |
| | | Boiler ash | 666 MT/M | 390 MT/M | 1056 MT/M | Sold to brick manufactures and used for compost production |
| | | ETP Sludge | 5 MT/M | 3 MT/M | 8 MT/M | Used as manure |
| | | B. Distillery | | | | |
| | | Type of Waste | Quantity (MT/M) | | | Disposal |
| | | | Existing | Expansion | Total | |
| | | Yeast Sludge | 150 | 390 | 540 | Sale To Brick Manufacture |
| | | CPU sludge | 5 | 5 | 10 | Used as manure |
| | | C. Chemical Unit – | | | | |
| | | Type of Waste | Solid waste generation | | Disposal | |
| | | Plastic & paper waste | 0.5 MT/M | | By Sale as scrap | |
| | | Boiler Ash | 44 MT/M | | Brick manufacture | |
| 12. | Hazardous Waste | A) Sugar, Cogeneration and Distillery - | | | | |
| | | Type of Waste | Existing | Expansion | Disposal | |
| | | Spent Oil | 1.48 MT/M | 0.79 MT/M | Burnt in Boiler | |
| | | B) Chemical Unit | | | | |
| | | Description | | | Cat | Proposed (MT/M) |
| | | Process Residue | | | 28.1 | 9.9 |
| | | ETP Sludge | | | 35.3 | 2 |
| | | Empty Containers & Drums | | | 33.1 | 300 No. |
| | | Contaminated cotton rags/other cleaning | | | 33.2 | 0.06 |

| Sr. No. | Item | Details | | |
|---------|------------|--|--|--|
| | | material | | |
| 13. | Green Belt | Existing green belt area is 73,200 Sq. M (32% of total plot area). Proposed Green Belt Area would be 1,900 Sq.M which is 1% of total plot area. The Total Green belt area is 75100 Sq. M which is 33% of total area. | | |