

## Life cycle Inventory for India Specific Processes

Industrial Sector	Major Processes	Total no. of Unit Processes	Data Sources	Comment
Agriculture	Sugarcane Cultivation	<b>5</b>	Farmer associations, annual reports, agricultural scientists, Industry experts	Total number of unit processes include India specific background processes like electricity, heat, transportation, oil & gas etc.
	Corn/Maize Cultivation	<b>5</b>		
	Cotton Cultivation	<b>7</b>		
	Eucalyptus Cultivation	<b>8</b>		
	Jatropha cultivation	<b>5</b>		
Agriculture based Products	Sugar production	<b>14</b>	Specific Industry process details and data, Industry experts, Published research and LCA reports	
	Molasses production	<b>14</b>		
	Bagasse production	<b>14</b>		
	Wood pulp Production	<b>21</b>	Specific Industry process details and data, Industry experts, Published research and LCA reports	
	Cotton Production	<b>21</b>		
	Vegetable Oil production	<b>12</b>		
	Succinic Acid production	<b>19</b>		
	Plywood Production	<b>24</b>		
	Glycerol production	<b>19</b>		
Bio-Chemicals	Bio-Ethanol Production	<b>19</b>	Specific Industry process details and data, Industry experts, Published research and LCA reports	
	Bio-Ethylene Production	<b>19</b>		
	Bio-Ethylene Glycol Production	<b>31</b>		
	Bio-Ethylene Oxide Production	<b>31</b>		
Textile Threads	Viscose Fibre Production	<b>52</b>	Specific Industry process details and data, Industry experts, Published research and LCA reports	
	Excel Fibre Production	<b>52</b>		
	Cotton fibre Production	<b>56</b>		
Background Processes	electricity, transportation, Oil & Gas, heat etc	<b>Complete set</b>	Same as above	
Chemicals	NaOH Production	<b>12</b>	Specific Industry process details and data, Industry experts, Published research and LCA reports	
	Sulphuric Acid Production	<b>12</b>		
	Ethanol Production	<b>24</b>		
	Ethylene Production	<b>24</b>		
	Ethylene Oxide Production	<b>24</b>	Specific Industry process details and data, Industry experts, Published research and LCA reports	
	Ethylene Glycol Production	<b>29</b>		
	Carbide Production	<b>12</b>		
	Carbon Di-sulphide	<b>18</b>		
Bio-Plastics	Bio-PET	<b>35</b>	Specific Industry process details and data, Industry experts, Published research and LCA reports	
	Bio-PE	<b>36</b>		
	Bio-LDPE	<b>37</b>		
	Bio-LLDPE	<b>37</b>		