

List of Industries Allowed

White, Green, Orange & Red Category of industries allowed for Biotechnology Park, Knowledge City, Sector-81, Mohali.

Industries, which could be allowed to set up in the Biotechnology Park.

Sr. No.	Type of category	Annexure	Code of the industry which can be allowed for the Biotech Park as per PPCB norms
1.	White	A	4003 to 4006, 4009, 4014 and 4015, 4018, 4020, 4024, 4026 to 4029, 4031, 4033, 4035 to 4037, 4044, 4052 and 4053, 4067, 4071, 4073, 4074, 4087, 4092, 4098, 4100, 4104, 4106 to 4108, 4110 to 4112, 4115, 4117, 4121, 4123, 4124, 4127, 4129, 4131, 4134, 4137, 4138, 4140, 4141.
2.	Green	B	3002 and 3003, 3005 and 3006, 3008 and 3009, 3013, 3016, 3019 and 3020, 3022, 3024, 3029 to 3032, 3035, 3043 to 3045, 3047, 3049 to 3052, 3054, 3055, 3063, 3065, 3068, 3071, 3999.
3.	Orange	C	2002, 2003, 2007, 2014, 2019, 2021, 2024, 2025, 2027, 2029, 2030, 2036, 2038, 2039, 2044, 2046, 2048, 2049, 2053, 2057, 2065, 2071, 2074, 2077, 2078, 2085, 2086, 2088, 2091, 2092, 2096, 2097, 2098, 2099, 2106, 2999.
4.	Red	D	1005, 1016, 1030, 1063, 1065, 1069, 1070, 1075, 1076, 1078, 1079, 1080, 1081, 1084, 1087, 1999.

Note: Biotechnology is a very specialized field & it may include Bio-Process Engineering, Biochemistry, Bio-Pharma, Bio-Diagnostic, Bio-Energy, Bio-Immunology, Bio-Informatics, High end Biotechnology and Agri Food Processing, Live Stock Biotechnology etc. Categorization of the above industries may not be directly covered in the list of categorization. Therefore, any of the above specialized category or other miscellaneous category will be decided on merit & pollution potential of individual unit. The core industries mentioned above, allied industries and support services that could be considered for setting up in the Biotechnology Park.

Annexure-A

White Category Industries allowed in Biotech Park

(Having no Source of Trade Effluent Generation & Fuel Consumption except for generator sets)

Sr. No.	Industry Code as per PPCB norms	Type of industry	Allowed with Condition in Biotech Park
1.	4003	Bailing (hydraulic press) of waste papers	Can be allowed.
2.	4004	Bio fertilizer and bio-pesticides without using inorganic chemicals	Can be allowed.
3.	4005	Biscuits trays etc from rolled PVC sheet (using automatic vacuum forming machines)	Can be allowed.
4.	4006	Blending and packing of tea	Can be allowed.
5.	4009	Compressed oxygen gas from crude liquid oxygen (without use of any solvents and by maintaining pressure & temperature only for separation of other gases)	Can be allowed.
6.	4014	Engineering and fabrication units (dry process without any heat treatment / metal surface finishing operations / painting)	Can be allowed.
7.	4015	Flavoured betel nuts production/ grinding (completely dry mechanical operations)	Can be allowed.
8.	4018	Glass ampules and vials making from glass tubes	Can be allowed
9.	4020	Ground nut decorticating	Can be allowed
10.	4024	Manufacturing of metal caps containers etc	Can be allowed
11.	4026	Medical oxygen	Can be allowed
12.	4027	Organic and inorganic nutrients (by physical mixing)	Can be allowed
13.	4028	Organic manure (manual mixing)	Can be allowed
14.	4029	Packing of powdered milk	Can be allowed
15.	4031	Repairing of electric motors and generators (dry mechanical process)	Can be allowed
16.	4033	Scientific and mathematical instrument manufacturing	Can be allowed
17.	4035	Solar power gen. through solar photovoltaic cell, wind power & mini hydel power (less than 25 MW)	Can be allowed
18.	4036	Surgical & medical product assembling only (not involving effluent / emission generating processes)	Can be allowed
19.	4037	Aggarbatti and cosmetic products manufactured by blending (Dry Process)	Can be allowed
20.	4044	Atta Chakki and Millet grinding	Can be allowed
21.	4052	Bio-gas	Can be allowed
22.	4053	Biscuits, Pastries, Cakes, Confectionery, Bread, Bakery upto 100 kg/day	Can be allowed with cleaner fuel / electric oven & furnaces only
23.	4067	Crown cork making units	Can be allowed
24.	4071	Diesel Generator sets < 10 KVA	Can be allowed
25.	4073	Drawing, Surveying and Scientific instrument making with no wet process	Can be allowed
26.	4074	Dry Grinding of spices	Can be allowed
27.	4087	Green House/Floriculture under Mechanized process under controlled temperature.	Can be allowed
28.	4092	IT industry as per Board's office order no.	Can be allowed

		GPC/Inf.Tech/F-53/2010/3 dated 16.2.2010 as amended from time to time. Pl. ref. Note No.3) - Only related to Biotechnology	
29.	4098	Marketing/Industrial Consultancy/Advertising Agencies	Can be allowed
30.	4100	Light Engineering & fabrication units without spray painting (Dry process only)	Can be allowed
31.	4104	Mushroom cultivation under controlled conditions/temperature and its compost making	Can be allowed
32.	4106	Non-conventional Energy items	Can be allowed
33.	4107	Nut cracking & roasting	Can be allowed
34.	4108	Oil extraction by kohlus or expellers without Boiler	Can be allowed
35.	4110	Orthopedic equipment's without casting/wet process	Can be allowed
36.	4111	Packing and Processing of items using Mechanized Process	Can be allowed
37.	4112	Packing of Agricultural/Forest Produce under controlled Temperature (Mechanized Process)	Can be allowed
38.	4115	Paper Products without wet process	Can be allowed
39.	4117	Polythene Bags from Monofilament Sheets/polythene sheets	Can be allowed
40.	4121	Seed Processing Units/hybrid Seeds- Mechanized process	Can be allowed
41.	4123	Small restaurants, coffee/Tea shops and Snack Bars	Can be allowed
42.	4124	Solar Energy Panel makings	Can be allowed
43.	4127	STD Booth/cable T.V Net Work/EPBAX	Can be allowed
44.	4129	Tea Grading and packing	Can be allowed
45.	4131	Typing Centre/Xeroxing	Can be allowed
46.	4134	Weigh Bridge	Can be allowed
47.	4137	Wooden and corrugated Crates and Boxes	Can be allowed
48.	4138	Zip Fasteners	Can be allowed
49.	4140	Compressed / Refined Bio-Gas Production from Bio-degradable Wastes <ul style="list-style-type: none"> Domestic bio-digesters based on cow-dung or household biodegradable wastes (such as Gobargas plant). 	Can only be allowed for in house treatment of domestic/ household biodegradables waste.
50.	4141	Used Cooking Oil (UCO) collection centres	Can be Allowed

Annexure-B**Green Category Industries allowed in Biotech Park**

Sr. No.	Industry Code as per PPCB norms	Type of industry	Allowed with Condition in Biotech Park
1.	3002.	Ayurvedic and homeopathic medicines (without boiler) (Also refer orange category -2019)	Can be allowed
2.	3003.	Bakery/confectionery/sweet products (with production capacity <1TPD (with gas or electrical oven)	Can be allowed with use of cleaner fuel / electric oven & furnaces only
3.	3005.	Biomass briquettes (sun drying) without using toxic hazardous waste	Can be allowed
4.	3008.	Candy	Can be allowed
5.	3009.	Cardboard or corrugated box and paper products (excluding paper or pulp manufacturing and without using boilers)	Can be allowed
6.	3013.	Chilling plant, cold storage and ice making	Can be allowed
7.	3016.	Dal Mills	Can be allowed
8.	3019.	Facility of handling, storage and transportation of food grains in bulk	Can be allowed
9.	3020.	Flour mills (dry process)	Can be allowed with Dust control arrangements
10.	3022.	Glue from starch (physical mixing) with gas /electrically operated oven /boiler.	Can be allowed
11.	3029.	Oil mill Ghani and extraction (no hydrogenation / refining)	Can be allowed
12.	3030.	Packing materials manufacturing from non-asbestosfibre, vegetable fibre yarn	Can be allowed
13.	3031.	Phenyl/toilet cleaner formulation and bottling	Can be allowed
14.	3032.	Polythene and plastic processed products manufacturing (virgin plastic)	Can be allowed
15.	3035.	Puffed rice (muri) (using gas or electrical heating system)	Can be allowed
16.	3043.	Soap manufacturing (hand made without steam boiling / boiler)	Can be allowed
17.	3044.	Spice grinding (upto-20 HP motor)	Can be allowed
18.	3045.	Spice grinding (>20 hp motor)	Can be allowed
19.	3047.	Steeping and processing of grains	Can be allowed
20.	3049.	Chilling plant and ice making without using ammonia	Can be allowed

21.	3050.	CO ₂ recovery	Can be allowed
22.	3051.	Distilled water (without boiler) with electricity as source of heat	Can be allowed
23.	3052.	Hotels (up to 20 rooms and without boilers) and having waste water generation < 10 KLD and no hazardous waste generation (Also refer red category - 1031 & orange category - 2038)	Can be allowed but with cleaner fuel and pre treatment for oil & grease so as to ensure effluent compatibility for treatment in STP/CETP of Bio-Technology Park and further in city Sewage/ CITY STP
24.	3054.	Mineralized water	Can be Allowed
25.	3055.	Tamarind powder manufacturing	Can be Allowed
26.	3063.	Tea processing (without boiler)- (Also refer orange category -2088)	Can be allowed
27.	3065.	D.G. Sets more than 10 KVA	Can be allowed
28.	3068.	Injection molding of plastic{ only from fresh(virgin) plastic granules and only small scale industry}- (Also refer orange category -2103)	Can be allowed
29.	3071.	Compressed / Refined Bio-Gas Production from Bio-degradable Wastes No waste water discharges from digester and also feed slurry to digester having Volatile Organic Fraction more than 75%.	Can only be allowed for in house treatment of domestic/ house hold biodegradables waste.
30.	3999.	Miscellaneous (Green) -- Industries / Projects not covered under specific category.	Will be decided by PPCB on merit & pollution potential of individual unit.

NOTE: All the above industries can be allowed only with Electric/ Solar& Cleaner Fuels (LPG/PNG/CNG) as Source of Energy and with Limited effluent Discharge as prescribed against Respective Category.

Annexure-C

Orange Category Industries allowed in Biotech Park

Sr. No.	Industry Code as per PPCB norms	Type of industry	Allowed with Condition in Biotech Park
1.	2002	Bakery and confectionery units with production capacity >1TPD (with ovens/furnaces)/units having production <1TPD with oven/furnace other than electric/gas oven	Can be allowed only with cleaner fuels
2.	2003	Chanachur and laddoo from puffed and beaten rice (muri and shira) using husk fired oven	Can be allowed
3.	2007	Food and food processing including fruits and vegetables processing	Can be Allowed, but with cleaner fuels and effluent compatibility for treatment in STP/CETP of Bio-Technology Park and further in city Sewage/ city STP. Meat Processing Units can't be allowed as Bio Technology Park is near to residential area and Institutional area , odour emissions will be source of complaints.
4.	2014	Thermometer manufacturing	Can be allowed
5.	2019	Ayurvedic and homeopathic medicine (with Boiler) –(Also refer green category 3002)	Can be allowed with cleaner fuels.
6.	2021	Building and construction project more than 20,000 sq. m built up area and having waste water generation less than 100 KLD (Also refer red category -1063)	Can only be allowed after obtaining Environmental Clearance under EIA Notification 2006 from SEIAA/MoEFCC
7.	2024	Dairy and dairy products (small scale)- Also refer red category - 1016	Can be allowed, but with cleaner fuels and effluent compatibility for treatment in STP/CETP of Bio-Technology Park and further in city Sewage/ city STP
8.	2025	DG set of capacity >1MVA but < 5MVA	1) Manufacturing – can be allowed. 2) Operation of Generator Sets can be allowed with use of cleaner fuel and compliance of norms laid down for DG Sets by MoEF&CC.
9.	2027	Fermentation industry including manufacture of yeast, beer, distillation of alcohol (Extra Neutral Alcohol) having waste water generation less than 100 KLD (Also refer red category -1065)	Can be allowed, but with cleaner fuels and effluent compatibility for treatment in STP/CETP of Bio-Technology Park and further in city Sewage/ city STP.
10.	2029	Fertilizer (granulation / formulation /blending only)	Can be Allowed, but with cleaner fuels and effluent compatibility for treatment in STP/CETP of Bio-Technology Park and further in city Sewage/ city STP.

11.	2030	Fish feed, poultry feed and cattle feed	Can be allowed with adequate process emission control. Boiler / furnace is to be allowed with cleaner fuels only.
12.	2036	Heat treatment using oil fired furnace (without cyaniding)	Can be Allowed but with cleaner fuels
13.	2038	Hotels (< 3 star) or hotels having > 20 rooms & < 100 rooms or having waste water generation > 10 KLD and less than 100 KLD and having a coal/Oil fired Boiler (Also refer red category -1031)	Can be allowed but with cleaner fuel and pre-treatment for oil & grease so as to ensure effluent compatibility for treatment in STP/CETP of Bio-Technology Park and further in city Sewage/ city STP.
14.	2039	Ice cream	Can be allowed but with cleaner fuel and pre-treatment for oil & grease so as to ensure effluent compatibility for treatment in STP/CETP of Bio-Technology Park and further in city Sewage/city STP.
15.	2044	Liquid floor cleaner, black phenyl, liquid soap, glycerol mono-stearate manufacturing	Can be allowed
16.	2046	Manufacturing of iodized salt from crude/ raw salt	Can be Allowed
17.	2048	Manufacturing of mosquito repellent coil.	Can be Allowed
18.	2049	Manufacturing of Starch/Sago	Can be allowed but with cleaner fuel and having effluent compatibility for treatment in STP/CETP of Bio-Technology Park and further in city Sewage/ city STP.
19.	2053	Non-alcoholic beverages (soft drink) & bottling of alcohol/non alcoholic products having waste water generation less than 100 KLD (Also refer red category 1069)	Can be allowed but with cleaner fuel and having effluent compatibility for treatment in STP/CETP of Bio-Technology Park and further in city Sewage/city STP
20.	2057	Potable alcohol (IMFL) by blending, bottling of alcohol products	Can be allowed but with cleaner fuel and having effluent compatibility for treatment in STP/CETP of Bio-Technology Park and further in city Sewage/ city STP.
21.	2065	Surgical and medical products including prophylactics and latex	Can be allowed .
22.	2071	Vegetable oil manufacturing including solvent extraction and refinery /hydrogenated oils having waste water generation < 100 KLD (Also refer red category 1070)	Can be allowed but with cleaner fuel and pre- treatment for oil & grease and having effluent compatibility for treatment in STP/CETP of Bio-Technology Park and further in city Sewage/ city STP.
23.	2074	Pharmaceutical formulation and for R & D purpose (For sustained release/ extended release of drugs only and not for commercial purpose)	Can be allowed but with cleaner fuel and having effluent compatibility for treatment in STP/CETP of Bio-Technology Park and further in city Sewage/ city STP.
24.	2077	Cashew nut processing	Can be allowed but with cleaner fuels.
25.	2078	Coffee seed processing	Can be allowed but with cleaner fuels.
26.	2085	Health-care Establishment (as defined in BMW Rules) without incinerator and having total waste	Can be allowed

		water generation less than 100 KLD (Also refer red category 1030)	
27.	2086	Common treatment and disposal facilities(CETP for Orange cat. inds)- (Also refer red category 1078)	Can be allowed for treatment of effluent to be generated from the industries located within the park.
28.	2088	Tea processing (with boiler) (Also refer green category 3063)	Can be allowed but with cleaner fuels
29.	2091	Area/Infrastructure Development Project including educational institutions, community hall, IT Park, Theme park (Not covered under EIA notification 2006) (Also refer orange category -2002 & 1088)	Can be allowed.
30.	2092	Chemical mixing cum storage units	Can be allowed subject to compliance of the Manufacture, Storage & Import of Hazardous Chemical Rules, 1989.
31.	2096	Bottling of gases	Can be allowed
32.	2097	Infrastructure development projects not covered under EIA notification.	Allowed as per zoning regulations of Master Plan & fulfilment of EIA Notification 2006 after obtaining environmental clearance from MoEF&CC/SEIAA.
33.	2098	Surgical cotton including wet process	Can be allowed but with cleaner fuel and having effluent compatibility for treatment in STP/CETP of Bio-Technology Park and further in city Sewage/ city STP.
34.	2099	Building and construction project ≤ 20,000 sq. m built up area (Also refer orange category -2021)	Can be allowed
35.	2106	Compressed / Refined Bio-Gas Production from Bio-degradable Wastes <ul style="list-style-type: none"> • All digesters requiring discharge of excess wastewater. • Wastewater may be generated from wet processes for gas refining, cooling towers and cooling re-circulation processes. • Odour generation from pre-treatment of organic waste and composting • Exhausted adsorption media/ filters and spent solvents may also get generated. 	Can be allowed
36.	2999	Miscellaneous (Orange) -- Industries / Projects not covered under specific category.	Will be decided by PPCB on merit & pollution potential of individual unit.

Note: All the above Industries Can be allowed only with Electric/ Solar & Cleaner Fuels (LPG/PNG/CNG etc), as Source of Energy and with Limited Effluent discharge as prescribed against Respective Category.

Annexure-D

Red Category Industries allowed in Biotech Park

Sr. No.	Industry Code as per PPCB norms	Type of industry	Allowed with Condition in Biotech Park
1.	1005	DG Set of capacity \geq 5 MVA	1) Manufacturing – Allowed without water and air pollution. 2) Operation of Electric Generator Sets can be allowed with use of cleaner fuel and compliance of norms laid down for DG Sets by MoEF&CC.
2.	1016	Milk processes & dairy products(integrated project-Large & Medium)-(Refer orange category 2024)	Can be allowed, but with cleaner fuels and effluent compatibility for treatment in STP/CETP of Bio-Technology Park and further in city Sewage / city STP
3.	1030	Health-care Establishment (as defined in BMW Rules) having incinerator irrespective of waste generation (or) having total waste water generation 100 KLD & above (Refer orange category-2085)	Can be allowed (without incinerator)
4.	1063	Building and construction projects more than 20,000 sq. m built up area and having waste water generation 100 KLD and above(Also refer orange category-2021)	Allowed as per zoning regulations of Master Plan but after obtaining environmental clearance under EIA notification,2006.
5.	1065	Fermentation industry including manufacture of yeast, beer, distillation of alcohol (Extra Neutral Alcohol) having waste water generation 100 KLD and above (Also refer orange category-2027)	Can be allowed, but with cleaner fuels and effluent compatibility for treatment in STP/CETP of Bio-Technology Park and further in city Sewage / city STP.
6.	1069	Non-alcoholic beverages (soft drink) & bottling of alcohol/nonalcoholic products having waste water generation 100 KLD and above (Also refer orange category-2053)	Can be allowed, but with cleaner fuels and effluent compatibility for treatment in STP/CETP of Bio-Technology Park and further in city Sewage / city STP
7.	1070	Vegetable oil manufacturing including solvent extraction and refinery /hydrogenated oils having waste water generation 100 KLD and above (Also refer orange	Can be allowed but with cleaner fuel and adequate oil & grease recovery system as well as effluent compatibility for treatment in STP/CETP of Bio-Technology Park and further in city Sewage/ city STP.

		category-2071)	
8.	1075	Effluent conveyance projects	Can be allowed for the effluent to be generated from the park
9.	1076	Common treatment and disposal facilities- Solvent/acid recovery plant	Can be allowed for the units located in Biotechnology Park
10.	1078	Common treatment and disposal facilities-CETP for Red cat. Inds.(Also Refer orange category-2086)	Allowed for treatment of effluent to be generated from the industries located within the park.
11.	1079	Industrial estate/ park/ complex/ area/ export processing zone/ SEZ/ biotech park/ leather complex	Establishment of biotechnology park allowed by the Govt.
12.	1080	Pharmaceutical R & D activities (For sustained release/extended release of drugs only and not for commercial purpose) (Also refer orange category-2074)	Can be allowed subject to use of cleaner fuel and inbuilt system to handle the process / odour emissions like HEPA filter & Effluent compatibility to the STP/CETP of Biotechnology Park
13.	1081	Sewage Treatment Plants	Can be allowed for the treatment of waste water generated from the units to be established in the Park.
14.	1084	Analytical & material testing lab	Can be allowed
15.	1087	Area/Infrastructure development projects covered under EIA notification (Also refer orange category-2002 & 2091)	Can be allowed as per zoning regulations of Master Plan but after obtaining Environmental clearance
16.	1999	Miscellaneous (Red) – Industries / Projects not covered under specific category.	Will be decided by PPCB on merit & pollution potential of individual unit.

Note: All the above industry can be allowed only with Electric/ Solar & Cleaner Fuels (LPG/PNG/CNG etc), as Source of Energy and with Limited Effluent discharge as prescribed against respective Category.