

TECHNOLOGY EXCHANGE AND COORDINATION PVT. LTD.



FOOD SECTOR

INDUSTRIAL PROJECTS

PROFILE

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Food Sector Industrial Projects



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Amino Acid **10,000 T/Y** **Lysine, Threonine, Tryptophan, Methionine**

- Used as a natural flavor enhancer.
- Used to enhance the nutritional value.



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Citric Acid **20,000 T/Y &** **10,000 T/Y DDGS**

- Used as an acidulant and flavor enhancer.
- Used as a preservative in jams, jellies, and canned fruits.



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Corn Oil **10,000 T/Y**

- Used as cooking and frying oil.
- Used as an Ingredient in various products like baked goods, spreads, and snacks.



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Corn Starch **50,000 T/Y or** **60,000 T/Y**

- Used as a thickening agent in soups, sauces, and gravies.
- Used as a texturizer for smooth and creamy texture.



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Crystalline Glucose 60,000 T/Y

- Used as a sweetening agent.
- Used as a texture enhancer, preservative, and substrate for fermentation process.



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Dextrin

5000 T/Y

- Used as thickening, binding, and glazing agent.
- Used as a stabilizer and for enhanced flavor retention



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Edible Dry Yeast

5,000 T/Y

- Used as a leavening agent and as a source of nutrients.
- Used as a flavor enhancer and in the fermentation process.



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Erythritol

2000 T/Y

- Used as a low-calorie sweetener and in diabetic-friendly products.
- Used as a texture enhancer and bulking agent.



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Enzymes Cellulase, Protease

10,000 T/Y

- Used in fruit juice extraction, improving yield and quality.
- Used in dairy processing and for meat tenderization.



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Fructose Syrup

60,000 T/Y

- Used as a sweetening agent, flavor enhancer and preservative.
- For browning, caramelization, and moisture retention in foods.



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Furfural

10,000 T/Y

- Used as a flavoring agent and solvent in food processing, for the extraction of flavors.
- Used as a preservative.



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Isomalto-Oligosaccharide 5000 T/Y

- Used as a low-calorie sweetener, texture enhancer, binding agent and enhances ingredient solubility.



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Lactic Acid

10,000 T/Y

- Used for pH regulation, flavor, and texture enhancement.
- Used as an acidulant and a preservative.



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Maltodextrin

30,000 T/Y

- Used as flavor carrier, thickening and bulking agent.
- Used as a mild sweetener, and shelf-life extender.



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Maltitol

100,000 T/Y

- Used as a low-calorie sweetener in sugar-free and low-sugar food items such as candies, gums, and baked goods.
- Used as a texture enhancer.



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Mannitol

10,000 T/Y

- Used as a low-calorie sweetener and a bulking agent.
- Used as a flavor enhancer and humectant to retain moisture.



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Modified Starch 10,000 T/Y

- Used as a thickening agent, stabilizer, and binding agent.
- Used for texture enhancement, moisture retention and gelling.



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Probiotics 10,000 T/Y

- Used in fermented food and beverage products like yogurt.
- Enhances nutritional profile of food by promoting gut health.



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Sodium Gluconate 30,000 T/Y

- Used as texture and flavor enhancer.
- Used as an acidity regulator and stabilizer.



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Sorbitol 10,000 T/Y or 20,000 T/Y

- Used as a low-calorie sweetener, humectant, and bulking agent.
- Used to enhance texture and shelf life.



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Vitamin C or Ascorbic Acid

- Used as flavor enhancer, color fixative and in fortifying foods and juices.
- Used as an antioxidant, preservative, and acidity regulator.

10,000 T/Y



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Xylitol 5000 T/Y or 10,000 T/Y

- used as a low calorie sweetener in sugar-free chewing gum, candy, baked goods, and beverages.



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"As per Chinese R&D institutes, the future lies in establishing Maize & Sugarcane based industrial projects, eco-industrial parks, or SEZs."

We work for setting up new industries, industrial parks (SEZ) and are considered the *highest-performing industrial consultancy in the country.*

TEC has set up Rs. Billion plus investment; Olympia Soda ash, Premier Ethanol, and H₂O₂, etc. 23 projects. Punjab has had only these mega greenfield chemical plants for the last 30 years.

TEC offers the following services:

1. Project Identification + Technical Feasibility Studies + Preparing the equipment and know-how package for setting up new industry + Arranging Transfer of Technology.



2. Organizing and managing a consortium of equipment manufacturers, R&D institutes, and EPC companies to ensure economic viability and transparency.

3. Organizing the maximum possible local Fabrication of the Equipment by managing technical know-how and experts.



4. Providing supervision and coordination during project implementation.

5. Training services.

6. Market research and studies.

7. Exploring potential joint venture partnerships in the international market.

🌐 Learn More: <https://www.punjabindustry.biz/>

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**📍 Location: Plot # 6 & 7, Sundar Industrial Estate,
Lahore**



PROSPECTIVE PROJECTS

- Maize value addition (bio product) SEZ
- Sugar cane juice and Molasses based bio product SEZ
- Distillery vinasse-based bio fertilizer



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SERVICES OFFERED

- Pre-Feasibility Study
- Sourcing Manufacturers in China
- Blending high tech from west
- Project execution
- Local fabrication
- Installation, Commissioning and trial run
- Applying Engineering & China knowledge for economy, reliability and efficiency

SERVICES OFFERED

- Section wise analysis at nut, bolt level for deciding local fabrication or importing from China, developed countries
- Keeping the central control of project with investor. Replacing trade house.
- Forming & managing the consortium of R&D institute, manufacturer, construction company in China for execution.

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TEC PVT. LTD.

**"Transforming
Industries through
Innovative Engineering
Solutions"**

