

# **Handbook on Manufacture of Indian Kitchen Spices (Masala Powder) with Formulations, Processes and Machinery Details (6th Revised Edition)**

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Handbook on Manufacture of Indian Kitchen Spices (Masala Powder) with Formulations, Processes and Machinery Details (6th Revised Edition)

(Chaat Masala, Sambar Masala, Pav Bhaji Masala, Garam Masala, Goda Masala, Pani Puri Masala, Kitchen King Masala, Thandai Masala Powder, Meat Masala, Rasam Powder, Kesari Milk Masala, Punjabi Chole Masala, Shahi Biryani Masala, Tea Masala Powder, Jaljeera Masala, Tandoori Masala, Fish Curry Masala, Chicken Masala, Pickle Masala, Curry Powder)

Spices or Masala as it is called in Hindi, may be called the “heartbeat” of an Indian kitchen. The secret ingredient that makes Indian food truly Indian is the generous use of signature spices. From ancient times of the maharaja’s, spices have added unforgettable flavours and life to Indian cuisine. Indian spices offer significant health benefits and contribute towards an individual's healthy life. There are a large number of various spices, used along with food such as Chilli (Mirchi), Turmeric (Haldi), Coriander (Dhania), Cumin (Jeera), Mustard (Rai), Fenugreek (Methi), Sesame (Til), Cardamon, Peppercorns (Kali Mirchi), Clove, Fennel (Saunf), Nutmeg and Mace etc.

In modern times, international trade in spices and condiments have increased dramatically which could be attributed to several factors including rapid advances in transportation, permitting easy accessibility to world markets, growing demand from industrial food manufacturers of wide ranging convenience foods. As the demand for Indian spices is increasing day by day, Indian manufacturers are producing spices of high quality.

The book presents the fundamental concepts of Spices (Masala Powder) Indian Kitchen Spices product mix in a manner that new entrepreneurs can understand easily. It covers Formulation for spices i.e., Chaat Masala, Chana Masala, Sambar Masala, Pav Bhaji Masala, Garam Masala, Goda Masala, Pani Puri Masala, Kitchen King Masala, Thandai Masala Powder, Meat Masala, Rasam Powder, Kesari Milk Masala, Punjabi Chole Masala, Shahi Biryani Masala, Tea Masala Powder, Jaljeera Masala, Tandoori Masala, Fish Curry Masala, Chicken Masala, Pickle Masala, Curry Masala.

This book contains manufacturing process, Packaging and Labelling of Spices. The highlighting segments of this book are Spices Nutritional value, Special Qualities and Specifications, Cryogenic Grinding Technology, Food Safety & Quality, BIS Specifications, Quality Control, Market, Sample Production Plant Layout and Photograph of Machinery with Supplier's Contact Details. It also covers Good manufacturing practices in Food Industry, Case Study for Everest

and MDH Masala and Top Spice Brands of India.

This book is aimed for those who are interested in Spices business, can find the complete information about Manufacture of Indian Kitchen Spices (Masala Powder). It will be very informative and useful to consultants, new entrepreneurs, startups, technocrats, research scholars, libraries and existing units.

## 1. How to Start Spice Business

Introduction Licenses and Marketing Strategies Wholesale Resources and Pricing Places to Sell and Business Account Basic Business Requirements How to Increase Revenue as a Spice Entrepreneur (i) Expand Product Line (ii) Internet Marketing (iii) PR & Thought Leadership Successful Business Plans for Spices Businesses (i) Check Out the Competition (ii) Finding a Non-Competitive Business Mentor (iii) Acquisitions vs. Startups (iv) Consider Franchising List of Subsidy and Schemes (i) Subsidy for Sending Spices Samples Abroad (ii) Subsidy for Printing Promotional Literature/Video/ Brochures (iii) Subsidy for Promotion of Indian Spice Brand Abroad (iv) Subsidy for Spices Processing in North-Eastern Region (v) Subsidy for Participating in International Trade Fairs and Meetings Home Based Spice Business – Manufacturing Process (i) Market Opportunity (ii) Different Products (iii) Registration & License 2. Spices Introduction Basic Uses for Spices List of Major Indian Spices Uses & Application of Spices Masala Spice Blends Adherence to High Spice Quality Standards Properties of Spices Major Compounds in Spices 3. Whole Spices Chilli (Mirch) Powder Turmeric (Haldi) Powder Coriander (Dhania) Powder Cumin (Jeera) Mustard (Rai) Fenugreek (Methi) Sesame (Til) Cardamom Peppercorns (Kali Mirchi) Clove Fennel (Saunf) Nutmeg and Mace 4. Nutritional Value of Different Spices Anise Seed Allspice Bay leaf (*Laurus Nobilis*) Black Pepper *Capparis Spinosa* Caraway Seed Cardamom Cayenne Peppers (*Capsicum Annuum* var. *Annuum*) Cinnamon Spice (*Cinnamomum Verum*) Cloves (*Sygzium Aromaticum*), Ground Coriander Seeds (*Coriander Sativum*) Cumin Seeds (*Cuminum Cyminum*) Fennel Seed (*Foeniculum Vulgare*) Fenugreeks (*Trigonella Foenum-Graecum*) Benefits of Including Spices in Our Diet Culinary Uses of Spices 5. Spice Qualities and Specifications Specification of Spice-Exporting Nations (i) The Indian Standards Institution (ii) Directorate of Marketing and Inspection, Administering Quality Control and Preshipment Inspection (iii) Grade Specifications for Sarawak Pepper in Malaysia (iv) Grading of Nutmeg in Grenada and Indonesia (v) Specification of Paprika in Hungary and Spain (vi) Specifications of Other Exporting Nations Spice Quality A. Insect Infestation (i) Harmful Insects (ii) Fumigation for Insects (iii) Other Ways of Exterminating Insects B. Microorganisms (i) Types of Microbes (ii) Molds and Aflatoxin C. Sterilizing or Pasteurizing Methods (i) Ethylene Oxide Gas Method (ii) Irradiation (iii) Steam Sterilization D. Chemical Properties (i) Pungency Standards (ii) Flavor/Aroma (iii) Color 6. Manufacturing Process of Blend Spices Cleaning Drying Grading Roasting Pulverizing For Grinding the Spices Following Machines are Used List of Machinery Required Process Flow Diagram 7. Cryogenic Grinding Technology Introduction Market Opportunities Advantages Role of Carbon Di-oxide in Spice Processing Industry Fine Grinding Using Cryogenic Grinding Technology Fine Powders With a Big Impact 8. Formulation of Spices (Masala Powder) Indian Kitchen Spices Product Mix Manufacture of Indian Kitchen Spices Product Mix Chaat Masala Chana Masala Sambar Masala Pav Bhaji Masala Garam Masala Goda Masala Pani Puri Masala Kitchen King Masala Thandai Masala Powder Meat Masala Rasam Powder Kesari Milk Masala Punjabi Chole Masala Shahi Biryani Masala Tea Masala Powder Jaljeera Masala Tandoori Masala Fish Curry Masala Chicken Masala Pickle Masala Curry Masala 9. Food Safety & Quality General Principles of Food Safety (i) General Principles to be Followed in Administration of Act (ii) Hygiene and Health Requirements (iii) Communicable Diseases and Injuries (iv) General Food Hygiene Training (v) Safety during Packaging and Labelling of Foods Restrictions of Advertisement and Prohibition as to Unfair Trade Practices 10. Quality Control Quality Assurance in Raw Material Supply Quality Assurance and Control in the Processing Plant (i)

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## About NIIR

**NIIR PROJECT CONSULTANCY SERVICES (NPCS)** is a reliable name in the industrial world for offering integrated technical consultancy services. NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.

Our various services are: Detailed Project Report, Business Plan for Manufacturing Plant, Start-up Ideas, Business Ideas for Entrepreneurs, Start up Business Opportunities, entrepreneurship projects, Successful Business Plan, Industry Trends, Market Research, Manufacturing Process, Machinery, Raw Materials, project report, Cost and Revenue, Pre-feasibility study for Profitable Manufacturing Business, Project Identification, Project Feasibility and Market Study, Identification of Profitable Industrial Project Opportunities, Business Opportunities, Investment Opportunities for Most Profitable Business in India, Manufacturing Business Ideas, Preparation of Project Profile, Pre-Investment and Pre-Feasibility Study, Market Research Study, Preparation of Techno-Economic Feasibility Report, Identification and Section of Plant, Process, Equipment, General Guidance, Startup Help, Technical and Commercial Counseling for setting up new industrial project and Most Profitable Small Scale Business.

NPCS also publishes various process technology, technical, reference, self employment and startup books, directory, business and industry database, bankable detailed project report, market research report on various industries, small scale industry and profit making business. Besides being used by manufacturers, industrialists and entrepreneurs, our publications are also used by professionals including project engineers, information services bureau, consultants

and project consultancy firms as one of the input in their research.

Our Detailed Project report aims at providing all the critical data required by any entrepreneur vying to venture into Project. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line.

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