Handbook on Manufacture of Indian Kitchen Spices (Masala Powder) with Formulations, Processes and Machinery Details (4th Revised Edition)

Introduction

Spices or Masala because it is called in Hindi, could also be known as the heartbeat of an Indian room. The secret ingredient that produces Indian food actually Indian is that the generous use of signature spices. From ancient times of the maharaja’s, spices have additional unforgettable flavours and life to Indian cuisine. Indian spices offer significant health advantages and contribute towards an individual's healthy life. They add flavor and nutrients to dishes while not fat or calories! A spice could also be on the market in several forms: recent, whole dried, or pre-ground dried. Generally, spices are dried.
India, referred to as the house of spices, boasts a long history of trading with the traditional civilizations of Rome and China. Today, Indian spices are the foremost sought-after globally, given their exquisite aroma, texture, style and medicative value. India has the most important domestic marketplace for spices within the world. Traditionally, spices in India are grown in small land holdings, with organic farming gaining prominence in recent times. Republic of India is that the world's largest producer, client and businessperson of spices; the country produces concerning 75 of the 109 varieties listed by the international organization for Standardization (ISO) and accounts for half of the global trading in spices.
A spice may be a seed, fruit, root, bark, berry, bud or different vegetable substance primarily used for flavoured, coloring or preserving food. Spices are distinguished from herbs that are elements of leafy green plants used for flavoured or as a garnish. Several spices have antimicrobial properties. Spices manufacture a vast and diverse assortment of organic compounds, the great majority of that don't seem to participate directly in growth and development. There are a large variety of various spices, used together with food such as chilli (Mirchi), Turmeric (Haldi), Coriander (Dhania), Cumin (Jeera), Mustard (Rai), Fenugreek (Methi),

![Image of various spices](image-url)
Today, Indian spices are the most sought-after globally, given their Exquisite aroma, texture, style and medicative value. Asian country has the most important domestic marketplace for spices within the world. Traditionally, spices in India are grown in tiny land holdings, with organic farming gaining prominence in recent times. India is that the world's largest producer, consumer and bourgeois of spices. Demand for Indian spices is high because they're clean and hygienic as compared to it of different countries.

Related Books: - *Spices and Condiments Cultivation*
In modern times, international trade in spices and condiments have increased dramatically that may be attributed to many factors as well as fast advances in transportation, permitting straightforward accessibility to world markets, growing demand from industrial food makers of wide ranging convenience foods that are either able to eat or requiring minimal preparation time within the household, migration of huge number of people of various ethnicity with their traditional food habits, to meet the changing needs of business and commerce and exposure to culinary delicacies of different regions of the globe by increasing business and tourism travel. Because the demand for Indian spices is increasing day by day, Indian manufacturers are producing spices of high quality.

**Related Projects:** - Spices and condiments, Indian Kitchen Spices, Masala Powder

[Image of spices]
Uses:-

A spice may have other uses, including medicinal, religious ritual, cosmetics or perfume production, or as a vegetable. A spice may be available in several forms: fresh, whole dried, or pre-ground dried. Generally, spices are dried. A whole dried spice has the longest shelf life, so it can be purchased and stored in larger amounts, making it cheaper on a per-serving basis. Some spices are not always available either fresh or whole, for example turmeric, and often must be purchased in ground form. Small seeds, such as fennel and mustard seeds, are often used both whole and in powder form. Around 70% of all the world’s spices come from India. Indian spices have huge demand in the foreign market. Export of Indian spices offers lucrative opportunity for the national exchequer. Major contributing products are cumin, garlic, pepper, small cardamom, fennel, fenugreek, and nutmeg and spice oils.
India *spices* powder and blended *spices* market is segmented based on product type, type, distribution channel and region. Based on product type, the market is categorized into kitchen king & sabji masala, garam masala, non-veg masala, chole & channa masala, sambhar & rasham masala, pavbhaji masala, tea masala, biryani/pulao masala, jaljeera masala, and others. Among these, kitchen king & sabji masala held the dominant share in 2019 and the trend is forecast to continue through 2025. This is due to the reason that it is used by every household consumer on a daily basis. Based on type, the market is segregated into organic, and inorganic, out of which, organic segment held the largest market share in 2019 owing to the fact that these products are free from pesticides and are have natural ingredients, which is further driving the demand for these products.
India is that the largest producer, consumer, and exporter of spices within the world. The demand scenario for major spices in India has been comprehensively examined within the study. The shift in preferences of domestic consumers for food items, increasing urbanization and rising incomes, altered demographic and social factors and therefore the changes in productivity of spices have caused changes within the pattern of their consumption and demand.

On the basis of geography, the report segments the worldwide spice market into Europe, North America, Asia Pacific, and remainder of the world. Of these, North America is presently the most engaging regional marketplace for spices, followed by Europe, Asia Pacific, and therefore the rest of the world. Rising awareness regarding the medicinal properties of spices can continue to keep the demand for spices high in North America over the forecast amount likewise. The region is expected to gain traction and witness high growth in terms of revenue over the report’s forecast period.
Growth of spices industry in European Union can continue to witness a growth at a significant pace within the coming back years because of increasing popularity of ethnic taste in the region. Presence of multicultural population in Europe and growing trend of traveling to a lot of and more exotic places have shifted European customers taste to Indian food and flavours leading to increasing demand for spices as well as turmeric. Little scale food processors, retailers and ethic food have high presence in developing ethnic food taste in Western Europe. However, large retailers and multinationals are increasingly active in this market which is increasing the revenue share of turmeric within the world turmeric market.
Strong demand for turmeric in European market because of changing health perception is that the fuelling factor for the turmeric market in Europe. European consumer are adopting healthier lifestyle. European countries are having a population the overweight issues. Increasing aging population is additionally triggering the risk of developing joint connected health conditions. This is often more escalating demand for curcuma longa as a very important ingredient in their diet.
Indian states like Andhra Pradesh, Gujarat, Rajasthan, Orissa and Madhya Pradesh are the five leading states for the production of spices. The new age urban population around the world is extremely health conscious which is causing rise in demands for organic spices.

Related Videos: - Manufacture of Indian Kitchen Spices (Masala Powder) with Formulations

Production of Indian Kitchen Spices

Spices Industry. Spices and Condiments Processing Business

Spices Processing Factory

The Spice Factory: Masala Powder, Garam Masala, Chaat Masala, Sambar Masala, Pav Bhaji Masala
Andhra Pradesh leads the country within the production of chili pepper and turmeric, with 49% and 57% respectively. Rajasthan is that the largest producer of coriander, cumin and fenugreek, and therefore the figures stand at 63%, 56% and 87% respectively. Spices are generally sold at premium spices and also in greater demand which may further enhance export revenues in major spice producing countries. Spices farming mechanism starts at grass root level conserving the generative and invigorating capacity of the soil, plant nutrition, and soil management, yields nutritious food wealthy in vitality that has resistance to diseases. Increasing demand of natural flavoring and coloring agents in food, medicative properties and health advantages are driving the spices market. There’s high demand for spices from regions like Asia Pacific, Middle East and Europe.
Licensing Requirements:-

As spice powder is part of the **food** category hence, it has to satisfy a lot of regulations from state government such as follows,

1. Registration of firm should be done depending upon the scale of business if its Pvt. Ltd. or partnership or single person company, the firm is registered accordingly.

   GST registration is also essential to gain GST number, which is a must.

   If it is SME, then companies can register themselves and get facilities and subsidies from the state government.

2. Obtain trade license, FSSAI and apply for Trademark, BIS certification and IEC. It is advisable to obtain AGMARK certification.
Spice Manufacturing Process:-

1. CLEANING

It is a really initial method for spice creating during which the ungrounded spices are clean manually by removing impurities like stone, dust, and dirt.

2. DRYING

After cleanup and laundry method display them in daylight in order that they dry, the quality of the spice powder can depend upon the well-dried spice. If correct cleaning and laundry do not crop up, it will lead to the growth of bacteria, which is able to poison food.
3. ROASTING

Once spices are dried, they're going through the roasting method, the roasting of the spices is important because it'll facilitate to provide the aroma, color and good taste to spice powder.

4. GRINDING

Grinding machine is used for pulverizing to convert the spices into powder type.
5. GRADING

The grading could be a process that is that the basis of the inclusion and proportion of spices combine with their raw material used, additionally depends on the kind of spices (flavour), size, shape, density, and colour.

6. SIEVING

Make sure that spice powder has a uniform mesh size

7. PACKAGING OF SPICE

Seasoning and spices add huge flavour to your favorite dishes, however to figure their magic, they have to be fresh; therefore correct packaging is mandatory.
Protect and preserve your spices and seasonings with standup pouches with nothing locks and such packaging bags can provide you with the flexibleness to decide on the most effective size, style, and options for your spices. Choose between options like gas release valves, tear notches, heavy-duty zipper tops, hang holes, pour spouts, and, as well as totally different styles that provide you with plenty of room to bring your brand to life.

Once spice is regenerate into powder kind, then the spice powder weighted as per quantity that must pack. The spices are then wrapped in an exceedingly polythene bag and sealed with the assistance of the sealing machine.

Stand up pouches can shield your spices from issues similar to moisture, puncture, odour, and more.
Table of Contents

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
(vi) 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 (Syzygium 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 Afflation

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
<table>
<thead>
<tr>
<th>Ingredient</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rasam Powder</td>
</tr>
<tr>
<td>Kesari Milk Masala</td>
</tr>
<tr>
<td>Punjabi Chole Masala</td>
</tr>
<tr>
<td>Shahi Biryani Masala</td>
</tr>
<tr>
<td>Tea Masala Powder</td>
</tr>
<tr>
<td>Jaljeera Masala</td>
</tr>
<tr>
<td>Tandoori Masala</td>
</tr>
<tr>
<td>Fish Curry Masala</td>
</tr>
<tr>
<td>Chicken Masala</td>
</tr>
<tr>
<td>Pickle Masala</td>
</tr>
<tr>
<td>Curry Masala</td>
</tr>
</tbody>
</table>
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) Appearance and Presence of Contaminants

(ii) Odour and Flavour

(iii) Moisture Content

(iv) Control of Processing

(i) Washing

(ii) Other Cleaning Methods

(iii) Drying

(iv) Grinding
(v) Packaging and Storage of Finished Products

1. Acidity Measurement
2. Chlorine Measurement
3. Fill-Weight Measurement
4. Glass Container Measurement
5. Weight of Containers
6. Capacity of Containers
7. Headspace
8. Vacuum
9. Dimensions of Containers
10. Faults in Glass
11. Label Measurement and Quality Checks
12. Label Faults may be Divided into Major and Minor Faults
13. Loaf Volume Measurement
14. Moisture Content Measurement
15. Moisture Content Measurement: Spices
16. Solids Content Measurement
17. Packaging Film Measurement
18. PH Measurement
19. Plastic Container Measurement
20. Salt Measurement
21. Sieving Tests (Flours and Spices)
22. Filth Test
23. Sodium Benzoate Measurement
24. Sodium Metabisulphite Measurement
25. Starch Gelatinization Measurement (Modified ‘Falling Number’ Method)
11. PACKAGING AND LABELLING OF SPICES

Spoilage Factors

(i) Moisture Content
(ii) Loss of Aroma/Flavour Discolouration

(i) Insect Infestation
(ii) Microbial Contamination
(iii) Spices Packaging Requirement

Packaging Material Requirement

Packaging Method and Materials for Spices Types of Packing

(i) Bulk Packaging
(ii) Institutional Packages
(iii) Consumer Packages
(iv) Composite Containers and Plastic Pouches for Whole Spices & Powders
(v) Spices Packed in Pouch-in-Carton Marking of Masala Packets Special Conditions for Grant of Certificate of Authorization

12. BIS SPECIFICATIONS

13. TOP 10 SPICE BRANDS OF INDIA

Everest
MDH
Catch
Mothers Recipe
Cookme
Priya
Pushp
14. MARKET OF SPICES
The Indian Spices Industry
Adherence to High Spice Quality Standards
India’s Spice Parks
Product Range in Indian Market

15. CASE STUDY FOR EVEREST MASALA
History
Product
Brand
Achievements
Market
16. CASE STUDY FOR MDH MASALA

History

Products

(i) Ground Single Spices
(ii) Blended Spices Market

17. GOOD MANUFACTURING PRACTICES IN FOOD INDUSTRY

Food Industry Standards GMP Practices for Food

(i) Design and Facilities
(ii) Premises and Rooms
(iii) Internal Structures & Fittings
(iv) Equipment
(v) Containers for Waste and Inedible Substances Facilities
(i) Water Supply
(ii) Drainage and Waste Disposal
(iii) Cleaning
(iv) Personnel Hygiene Facilities and Toilets
(v) Temperature Control
(vi) Air Quality and Ventilation
(vii) Lighting
(viii) Power Back up
(xi) Storage Control of Operation
(i) Time and Temperature Control
(ii) Control of Other Specific Process Steps
(iii) Specifications Microbiological Cross Contamination Physical and Chemical Contamination Incoming Materials Requirements Packaging Water
(i) Water, Ice and Steam in Contact with Food
(ii) Water, Ice and Steam not in Contact with Food
(iii) Water pipes & Storage Tanks
(iv) Management and Supervision Documentation and Records Product Recall & Traceability Storage Maintenance and Sanitation
18. ANALYSIS OF FOODS, SPICES AND CONDIMENTS

Determination of Moisture (Karl Fischer Method)

Principle

Apparatus

Direct Titration Method
Back Titration
Black Pepper
Determination of Bulk Density (Mass /litre)
Procedure
Determination of Light Berries
Reagents
Determination of Piperine Content
Principle
Apparatus and Reagents
Apparatus and Reagents
An Alternative Method for Determination of
Piperine Content by GC Method
Reagents
Gas Chromatography
The GC Analysis
Program Conditions
Saffron (Filaments and Powder)
Identification Test
Determination of Extraneous Matter
Apparatus
Procedure
Calculation
Determination of Picrocrocine, Safranal and Crocine
Apparatus
Procedure
Expression of Results
Determination of Total Nitrogen
Microscopic Examination of Spices Procedure
Detection of Argemone Seeds in Mustard Procedure
Detection of Mineral Oil in Black Pepper Procedure
Detection of Papaya seeds in Black Pepper Principle Procedure
Detection of Turmeric in Chillies and Coriander Principle
Reagents
Procedure
Method for Capsaicin Content in Chilli Powder Capsaicinoids in Capsicums and Their Extractives by Liquid Chromatographic Method (AOAC 995.03)
Principle
Apparatus
Reagents
Extraction
LC Determination Calculation
a) UV Detection
(b) Fluorescence Detection Method for Measuring Color Value in Chilies
Apparatus and Reagents
Determination
Calculations
19. FLAVOUR AND CALORIFIC VALUE OF SPICES

Important Flavour Compounds in Spices
Important Flavour Compounds in a Few Culinary Herbal Spices
Calorific Value of Spices
Spices in Health-Giving and Anti-Disease Role

20. SAMPLE SPICES PRODUCTION PLANT LAYOUT

Need of Plant Layout
Workplace Types
21. SUPPLIERS OF WHOLE SPICES

22. PHOTOGRAPHS OF MACHINERY WITH SUPPLIER’S CONTACT DETAILS

23. SPICE GLOSSARY

24. SPICE PRODUCING
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Mobile: +91-9811043595, 8800733955
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106-E, Kamla Nagar, Opp. Spark Mall,
New Delhi-110007, India.

Email: npcs.ei@gmail.com, info@entrepreneurindia.co

Tel: +91-11-23843955, 23845654, 23845886

Mobile: +91-9811043595, 8800733955

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