

**Outsourcing with a Guarantee**

***Innovative Technologies  
and Solution Providers***



***Surfactant and Specialty Chemicals***

***Oleo Chemicals***

***Oil Refining and Solvent Extraction***

***Acid and Fertilizers***



**TRIVEDI INDUSTRIAL & RESEARCH ASSOCIATES PVT. LTD.**



## ***Our Mission...***

TIRA is focused on providing superior products and services. Our mission is to maintain market leadership through quality, innovation, cost efficiency and modern manufacturing technologies.

We will strive to continuously improve our products and services, to meet the needs of our customers through ongoing product development, quality design and equipment manufacturing and responsive technical support.

As responsible corporate citizens, we are committed to technology, services and products, which are environment friendly. Within this framework, we will optimize the use of resources and fulfill the expectations of shareholders. We will ensure the highest standards of business ethics and integrity in all our actions.

S. N. Trivedi  
*Chairman*



**TRIVEDI GROUP**

## EPC Projects & Plant Designers for following:



### Esterification

Esterification / Transesterification plants for Palm / Vegetable oils.

### Fractionation

Fractionation plants for Palm Methyl Esters (semi / continuous).

### Hydrogenation

Hydrogenation plants using CSTR, (batch) fixed bed reactor (continuous).

### Sulfonation

Dominant Bath Sulfonation Of Vegetable, Petroleum, Oils, Napthalene Condensates with Oleum / Sulfuric Acid.

### Ethoxylation

Ethoxylation of Fatty Alcohols, Alkyl Phenols, Esters etc. using Loop Reactors (semi & continuous).

### Glycerine

Plants for Glycerine concentration & purification.

### Services

#### Technical

- CAD
- Piping
- Detailed Engineering
- Process Development
- Installation Support
- Energy Audits
- Pilot Plant Shades

#### Raw Material Supplies

- Detergent Alkylates
- Surfactants



# PEGG

## PEGG CONSULTANT & ENGINEERS PVT. LTD.



PEGG Group has been established with aim of providing efficient, modern and low maintenance technologies in the field of vegetable oil processing and separation technology using high efficient centrifuge, multivibrosieve etc.

From a humble beginning, the company established itself as a leading supplier of turnkey plants with most modern techniques for continuous degumming, continuous neutralizing, continuous bleaching, continuous deoderising and vegetable ghee.

The company's philosophy, of constantly adopting latest technologies and innovation to suit the environment and local requirements, has helped to keep the company ahead of others.

No company can ever be successful in plant supply unless it is backed by efficient after sales services. To meet this requirement the company maintains a team of qualified engineers to look after the site work, commissioning of the plants and trouble shooting.

The company has been promoted and managed by the two directors Mr. N.K. Borrah & Mr. L.R. Malik.



**PHYSICAL  
CHEMICAL  
OIL REFINING**

### TECHNOLOGY

**Oil Refining  
Palm Oil & Cotton Seed  
Solvent Extraction  
Soya Bean**

### PRODUCTS

**Vibroscreens  
Bowl Centrifuges**



Plants from Concept to Commissioning. PEGG provides the best in technology. Simple yet robust meeting international standards. Our processes achieving maximum colour and FFA reduction compared to other plants besides being easy to maintain and giving consistent results.

**Our areas include:**

**Continuous Degumming**

**Continuous Neutralisation**

**Continuous & Batch Bleaching**

**Continuous & Batch Deodorising**

**Physical Refining**

**Dry Fractionation of Palm Oil**

**Vegetable Ghee Plant**

**Dewaxing**

**Soap Acidulation**



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