



PEGRAS Ltd. Thailand,

Ing. Andreas Lechner was hired by GEA Westfalia, as a consultant to oversee the installation of the Solvent recovery at Avi Agri Business Private Ltd.

[GEA](#) is one of the largest suppliers of process technology for the food industry and a wide range of other industries. The international technology group focuses on process technology and components for sophisticated production processes in various end-user markets. In 2016, GEA generated consolidated revenues of about EUR 4.5 billion. The food and beverages sector, which is a long-term growth industry, accounted for around 70 percent. As of December 31, 2016, the group employed about 17,000 people worldwide

Since 1893, GEA has been building centrifuges which combine high separating efficiencies, clarifying efficiencies and throughput capacities with maximum savings in terms of energy, water and disposal costs.

Based on the experience gained with more than 3000 process applications and a procedure for rapidly translating innovations into marketable processes, GEA provides profitable answers to some of the most urgent questions of our time.

Only efficient handling of valuable resources will ensure our quality of life without endangering the fundamental basis of future generations. Healthy growth – this is the objective of [GEA's separation technology](#)

The primary order contained 2 times visit, each 2 to 4 weeks.  
Due to the expertise and performance of PEGRAS, the order was extended to 30 weeks, with possible extension afterwards.

Future orders for other projects are discussed but not finalized yet.

The task for PEGRAS was extended from "Installation Check" to "Site Manager" for the whole plant:

- Pre-Treatment
- De-Oiling
- De-Solvination
- Milling
- Packing
- Solvent recovery

Client:

Avi Agri Business Private Limited, India

Plant:

The plant is intended to produce **24.000kg** of powder Lecithin (capacity was increased) made from crude liquid Lecithin coming from the NonGMO (non genetic manipulated oil) Soya Oil Crushing plant from Avi Agri.

The plant is engineered for fully automated 24/7 production and it is **the third of its kind in the world** (one in USA, one in Germany).

Lecithin Powder is a high value product, used in Pharmacy- and Food Industry



[Avi Agri Business Pty Ltd](#), was established in 2010 and converted in Public Company as Avi Agri Business Limited, to carry out solvent extraction activities with a seed crushing capacity of 800 MT per day and 100 MT per day refining capacity.

The manufacturing facility is located in the heart of Soybean growing area with head office at Indore, India.

After the successful run in the first year, the company started its expansion in the year 2011 and completed the expansion in 2012, with a additional seed crushing capacity of 600 MT per day taking the total seed crushing capacity to 1400 MT per day and refining capacity was increased to another 200 MT per day taking the total refining capacity to 300 MT per day.

Avi Agri Business Limited has latest technology with supporting environment.

The production and processing facilities that includes sorting and grading are:

- Solvent Extraction (Soya Crude Oil & De-Oiled Cake) 1400 TPD capacity
- Refinery (Soya Oil Refinery) 300 TPD capacity
- Lecithin Liquid Plant (Food Grade) 11 TPD capacity
- **Lecithin Powder Plant (Food Grade) 16 TPD capacity**
- Soya Flour & Grits (Food Grade) 75 TPD capacity
- FDS Plant (Soya White Flakes) 560 TPD capacity
- Texturized Vegetable Proteins 24 TPD capacity

Avi Agri Business Limited has also setup one of its kind Plant for producing Soya Lecithin Powder. The technology and machinery are world class, capable to produce quality product.