



**Granules India Limited**  
**Research Centre**  
 Enduring Ingeniously

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***ElMeasure  
 Energy Management System  
 helped us to get accurate MIS  
 report in one click and helped  
 the losses was reduced 4%  
 to 1.2% and helped us  
 identife voltage fluctuating***

**- C. Krishna Prasad, Chairman and MD,  
 Granules India Ltd**

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***Monitoring energy usage in real time for individual households and common usage areas.  
 Control the voltage fluctuation  
 Accurate energy consumption could be determined***

Granules India Ltd., (GIL) is headquartered in Hyderabad, the pharmaceutical capital of India. With expertise in manufacturing Active Pharmaceutical Ingredients (API) since 1984 and Pharmaceutical Formulation Intermediates (PFI) since 1993, have been marketing their products in the United States since 1987.

GIL has posted sales of about INR 450 Crores with strategic goal to offer a complete vertical integrated solution. Offering quality products has helped GIL to become one of the largest manufacturers of Paracetamol in the world. The PFI plant is one of the biggest in the world with an annual capacity of 7200MT and a batch size of 6MT.

The manufacturing plant located in Gagillapur RR Dist., Andhra Pradesh spread in 15 Acres of land with employee strength of over 300.

#### **Electrical System**

Electrical power is purchased from Andhra Pradesh State Electricity Board (APSEB) and installed capacity in the plant to deliver 1050 KVA of power.

Monthly Energy consumption is 375,000 kwh that is drawn from State Electricity Board grid.

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**ELMEASURE®**  
 Possibilities...Infinite

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## Solution Components

### EMS system :

- 32 Multifunction Meters  
ELNet 32 software  
with related accessories.

*Investment*  
*INR 2.14 Lakhs*  
*Payback period*  
*7 months*

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## A smart solution

- Better manpower planning utilization could be achieved. 2 man hours per day was utilized for manual electrical data logging. This is completely eliminated as all real time electrical data is now logged automatically.
- Accurate MIS reports could be generated with comfort. 2 Manager Days were spent to prepare MIS reports which were still inaccurate. Now in few minutes accurate MIS report is generated.
- The power factor could be closely monitored at each section of the manufacturing area. At some locations PF was going low. ELNet helped to identify the root cause and relocated capacitor banks eliminated the low PF problem.
- The maximum Demand could be maintained with in Contract Demand limit. This avoided the penalty for exceeding demand limits and also gets incentives from Electricity Board.

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## For more information

To learn more about Granuals Ltd installation, visit :  
[www.elmeasure.com/granuals](http://www.elmeasure.com/granuals)



Sales Offices: BANGALORE | CHENNAI | MUMBAI | DELHI | HYDERABAD | USA | UAE

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