



**The Power of the Sun  
harnessed by Thermax**

# **SolPac™ P60**

## **Parabolic Trough**

Thermax Solar Business is an accredited MNRE channel partner for off-grid and decentralized solar applications under JNNSM based on the CRISIL rating of SP 1A indicating “Highest Performance Capability and High Financial Strength” of the company.



# Why SolPac™ P60?

SolPac™ P60, the solar parabolic trough from Thermax, is a solar parabolic concentrator assembly consisting of a reflector, glass covered receiver tube, automatic tracking system, and support structure. The main component of the system is the parabolic reflector with a glass covered receiver tube placed at its focus. The concentration of the sun's thermal energy onto the receiver tube heats the working fluid flowing through the tube. This heat energy can be used directly or indirectly for a range of applications. The maximum temperature of the medium that can be attained using this technology is 210°C.



SolPac™ P60 Solar Concentrators for 256KW Solar Biomass Hybrid Distributed Power Generation Plant near Pune

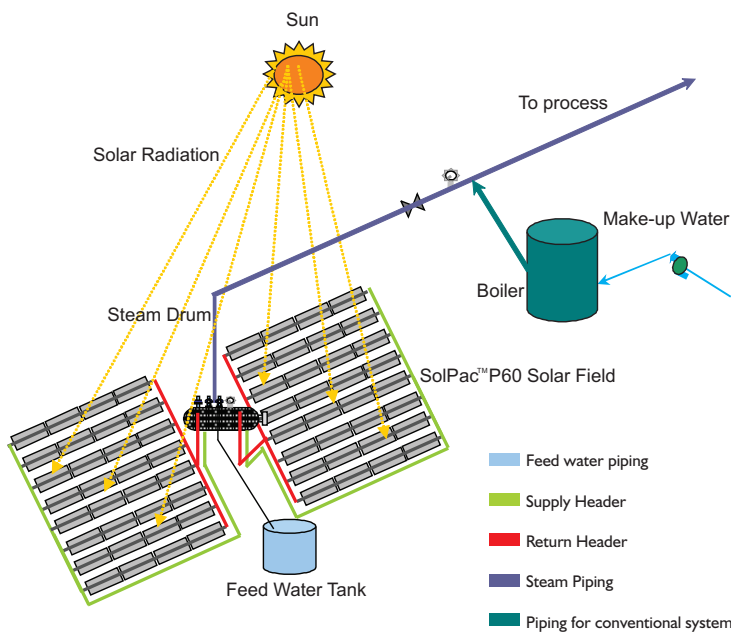
# Salient Features

- Completely indigenously developed technology through extensive R&D and testing
- Automatic tracking
- Maintenance free
- Boltable construction - site welding not required
- Higher space efficiency
- Flexibility in terms of working fluid usage
- Seamless integration with existing system
- Can be mounted on roof as well as ground
- Light weight - ease of installation
- Reflector with high reflectivity coated aluminium sheet - reflectivity up to 91%
- Shadow free area - 10 m<sup>2</sup>/trough

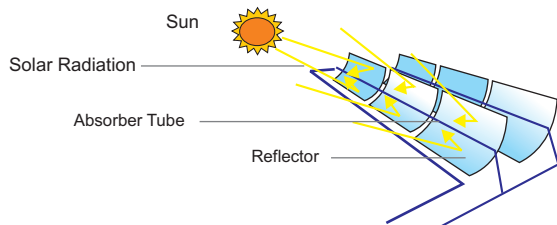
# Other Benefits

- Subsidy available from MNRE, Government of India
- Accelerated depreciation benefit up to 80% in the first year

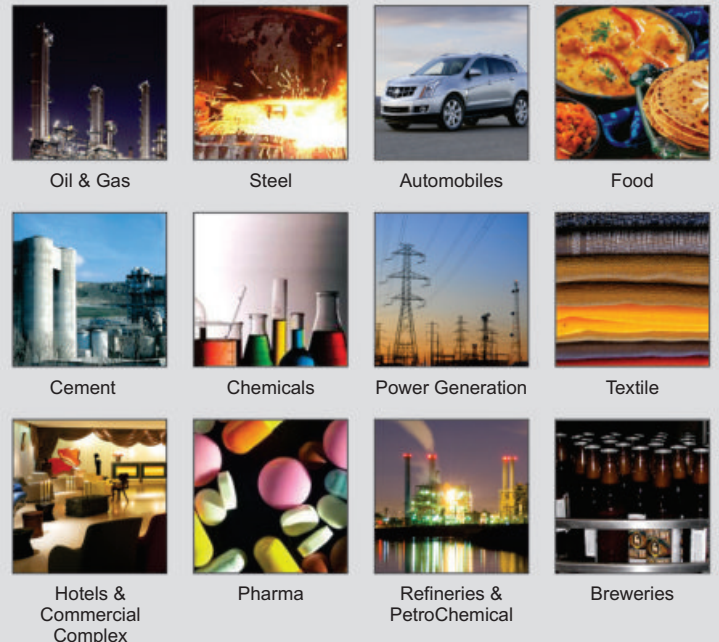
Patent filed for novel cost effective and efficient tracking mechanism and improved solar parabolic concentrator design. Patent file No 3011/MUM/2009



Typical solar hybridisation system layout using SolPac™ P60



Application across temperature range : 150-210 °C



Solar hybridisation across industries

INDUSTRIAL PROCESS HEAT APPLICATIONS [ STEAM / HOT WATER ]  
 PROCESS & COMFORT COOLING FOR INDUSTRIAL & COMMERCIAL SEGMENTS  
 POWER GENERATION

Solar hybridisation across applications using

**SolPac™ P60**



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