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(57) Abstract :

The proposed concentrated solar power technology includes a receiver tower with curved conic mirrors mounted on the top, a plurality of heliostats surrounding the tower and heat absorbers and exchangers situated around the base of the tower. Heat from the sun is received by the heliostats which is reflected towards the top of the tower from where this heat flux is reflected back to the bottom of the tower where it is absorbed by the heat absorbers and transferred to the working fluid which can act as a source of heat to a thermodynamic cycle. The heat collected can also be used for the heating furnace and subsequent reactions can take place in it.

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