

Technology Development for Solar Thermal Power Plant

- ❖ Solar thermal technology based on beam up technique demonstrated
- ❖ Receiver Temp 600 deg and superheated steam upto 52 bar produced.

Features

- ❖ Heliostat: 6 nos. of area $\sim 9 \text{ m}^2$ 2-axis with auto-tracking
- ❖ Primary heat transport media: Molten nitrate salt NaNO_3 & KNO_3 mixture
- ❖ Natural circulation based integral receiver
- ❖ Natural circulation of salt side and steam side
- ❖ Salt side: 1 bar, 280°C - 580°C , Steam side: 60 bar, 480°C
- ❖ Passive Air-cooled condenser

