

Pressure/Vacuum Swing Adsorption (PVSA) Process for Biogas Up gradation

Highlights

- ❖ Production of high purity CH₄ with purity and recovery >90 mol%
- ❖ Simpler VSA cycle based on low cost commercial adsorbent
- ❖ Low energy required, high productivity
- ❖ Product biogas suitable for
 - ❖ Combined heat and power generation
 - ❖ Transportation fuel
 - ❖ Industrial and domestic usage
- ❖ Technology suitable for rural application
- ❖ Alignment to National Missions

A Demonstration Plant Based on this Process with a Raw Biogas Throughput of 10 m³/Day is being Set-up at CSIR-IIP

