



## PROJECT :

INTEGRATED UTILITIES AND OFFSITE PACKAGES FOR DAHEJ PETROCHEMICAL COMPLEX, AT DAHEJ GUJARAT

### OVERVIEW :

Insulation work for 6 Nos. of spheres was carried by G+H team which served as groundwork for Fire-proofing works to be carried out later

### ABOUT :

ONGC Petro additions Limited (OPaL), a multi-billion joint venture company was incorporated in 2006. OPaL has set up a grass root mega Petrochemical project at Dahej, Gujarat in PCPIR/SEZ. The complex's main Dual Feed Cracker Unit has the capacity to produce 1100 KTPA Ethylene, 400 KTPA Propylene and the Associated Units consists of Pyrolysis Gasoline Hydrogenation Unit, Butadiene Extraction Unit and Benzene Extraction Unit. The Polymer plants of OPaL has 2X360 KTPA of LLDPE/HDPE Swing unit, 1X340 KTPA of Dedicated HDPE and 1x340 KTPA of PP

**CUSTOMER/  
CONSULTANT :**  
FERNAS  
CONSTRUCTION INDIA  
PVT LTD

**WORK DESCRIPTION :**  
Supply & Application of insulation for 6 Nos. of spheres for integrated utilities and offsite packages at OPaL Dahej

**PERIOD OF  
EXECUTION :**  
10/2017 – 03/2018

**SURFACE INSULATED :**  
8,900 M2

### SOLUTION:

- Fire protection insulation on spheres with Foamglas One insulation material
- Finishing the insulation with vapour barrier thus minimizing vapour accumulation.

### TASK:

- Insulation work on 8,900 M2 area of six different spheres.
- Maximizing energy efficiency and minimizing emissions
- Prevention of ice formation

### ADVANTAGES:

- Considerable reduction in Energy losses.
- Substantial improvement in Energy-efficiency.
- Expansion of insulation activities in the area of combined insulation and fireproofing assignments.