

Brief Summary

National Fertilizers Limited (NFL) is one of the largest producers of nitrogenous fertilizer in the country having a capacity to produce 3.568 million tonnes of Urea per year along with various industrial products. NFL is presently operating fertilizer units at Panipat, Bathinda, Nangal and Vijaipur which are natural gas based plants with dedicated offsite and utility facilities. All NFL plants have been operating at more than their rated capacities.

Nangal plant was setup based on fuel oil/LSHS as feedstock to Ammonia plant in 1978. Subsequently, as per Guidelines of GOI, in order to reduce subsidy burden & Carbon footprint, NFL revamped the Nangal Unit by changeover of Feedstock from LSHS/FO to Natural Gas and commercial production on Gas was commenced in July 2013. The existing capacity of NFL, Nangal is 4.785 Lakh MT/year of Urea.

Considering higher Specific Energy consumption of Ammonia and Urea plants as compared to latest plants, NFL intends to further reduce the Specific Energy consumption of Ammonia / Urea plants at Nangal. The Report is in conformity to the New Urea Policy-2015 (NUP-2015) to bring down the Energy Consumption level less than 6.5 Gcal/MT of Urea.

The proposed installation of GTG (Gas Turbine Generator) and HRSG (Heat Recovery Steam Generator) will be done inside premises of NFL Naya Nangal, Punjab. The National Fertilizers Ltd., Naya Nangal complex is located West of Sutlej river, half a kilometer away from the Nangal -Una State highway No. 22 and is about 16 kms from Bhakra Dam. NFL Township is located on the North side of the NFL factory complex. Himachal Pradesh border is about 3 Km from NFL factory site. Height of NFL site is 204 M from sea level. Its longitude N = 310 - 22' - 34.68" and latitude E = 760 - 21' - 48.36".

To meet Specific Energy norms for Urea under New Urea Policy 2015 (NUP-15) and as per Energy Reduction Scheme of GoI, installation of GTG (Gas Turbine Generator) and HRSG (Heat Recovery Steam Generator) are proposed in the complex.