1.0 INTRODUCTION
Fertilizer Corporation of India Limited (FCIL) has the credit to be the first Public Sector Undertaking of Government of India operating since 1951. Fertilizer Corporation of India Limited (FCIL), incorporated in January 1961, operated four fertilizer units namely Sindri (Jharkhand), Ramagundam (Andhra Pradesh), Talcher (Orissa) and Gorakhpur (Uttar Pradesh).

Gorakhpur unit of FCIL was commissioned in 1969 for urea production with naphtha as feedstock. The plant capacity of 570 MTPD was subsequently enhanced to 950 MTPD in the year 1976.

In addition to the main plants, fertilizer complex at Gorakhpur has self-contained utility and off-site facilities including township. Best achieved capacity utilization 94.8% in 1971-72 and 72.6% in 1976-77. However, the operation of the plant has been suspended from 1990, due to non-viable economic operations. The unit was declared closed by Govt. of India on 10.09.2002.

Due to closure of all fertilizer units namely Gorakhpur, Barauni, Sindri, Durgapur, Haldia, Talcher and Ramagundam, a great gap between demand and supply of India was experienced both by consumers and Government. In 2007, Govt. decided to have a second look at the decision to close the fertilizer units due to huge infrastructure facilities available at the plant locations and increasing gap between domestic production and demand of urea. The cabinet examined the revival plan and a road map was laid down by Ministry of Chemicals and Fertilizers.

In August, 2011, the Cabinet Committee on Economic Affairs (CCEA) had approved the Draft Rehabilitation Scheme (DRS) for revival of all the Units of FCIL. DRS envisaged revival of Talcher Unit by the consortium of M/s. Rashtriya Chemical & Fertilizers Limited (RCF), M/s Coal India Limited (CIL) and M/s Gas Authority of India Limited (GAIL), revival of Ramagundam Unit by M/s. Engineers India Limited (EIL) and M/s. National Fertilizers Limited (NFL) and revival of Sindri unit by M/s Steel Authority of India Limited (SAIL). Gorakhpur and Korba units of FCIL to be revived through bidding route.

Further, in its meeting held on 9.5.2013, CCEA, inter-alia, approved waiver of Government of India loan and interest to facilitate FCIL to arrive at positive net worth. This enabled FCIL to get de-registered from the purview of Board for Industrial and Financial reconstruction (BIFR).

1.1 PROJECT LOCATION
The proposed project shall be established within the existing premises of FCIL Gorakhpur unit in the free unencumbered available land. The existing Gorakhpur unit of FCIL is located at a site about 6 km aerial distance in north from Gorakhpur town in eastern part of Uttar Pradesh. The Gorakhpur Air Port is situated at a distance of about 12 km from Fertilizer Complex and has flights to and from Delhi via Lucknow and Kolkata via Patna. Gorakhpur town is located at a distance of about 6 kms from fertilizer complex. The nearest Port is Kolkata, West Bengal. Location map has been presented in Plate-1 & 2.

1.2 SCOPE OF PROJECT
The proposed Urea Fertilizer Project will include the following units.
- Single Stream Ammonia plant with a nominal capacity of 2200 MTPD
- Single Stream Urea plant with a nominal capacity of 3850 MTPD
- Urea bagging and loading facilities etc.
- All offsite & Utilities (Power, steam, water, inert gas, instrument air, effluent treatment, cooling tower, safety/fire fighting, Gas Metering and refurbishment of Non-Plant building facilities).

1.3 RAW MATERIAL AND UTILITIES
The production of 2200 MTPD ammonia and 3850 MTPD urea plants is based on NG as feedstock at the rate of 90,910 Sm³/day. Energy consumption shall be at the rate of 7.005 Gcal per tonne of ammonia based on recently developed reliable and reproducible Best Available Technology (BAT).

1.4 Environmental Status
FCIL Gorakhpur does not fall in the list of 88 industrial clusters identified for preparation of Comprehensive Environmental Pollution Index (CEPI). The area is surrounded by rich fresh surface water e.g., Chilwa Tal, Ramgarh Tal, Rohin River and Rapti River etc.
The rate of growth of nearby towns, is similar to the rate of growth of other towns. All the required civic amenities like School, College, medical facilities etc are available within 15 km radius of FCIL.

1.5 PROJECT IMPLEMENTATION PLAN & TIME SCHEDULE

1.5.1 Project Implementation Plan
Gorakhpur unit of FCIL is to be revived through bidding route.

1.4.2 Time Schedule
The expected implementation time may be around 36 (33 months mechanical completion and 3 months commissioning) months after the zero date.

1.5 Estimated Project Capital Cost
The Project Capital Cost of the proposed project is estimated at Rs. 5825.27 Crores.

1.6 Need & Justification
The need and justification of the proposed project is summarized as under:
- It will reduce overall gap between demand and supply in the country especially in northern region.
- The revival of ammonia/urea plant at FCI-Gorakhpur in Uttar Pradesh can be seen as a corrective step towards reducing the growing supply gaps for fertilizer urea in northern zone.
- It will generate employment opportunity for the people in the region.
- It will ease the availability of chemical fertilizers to farmers.

1.7 Conclusion
Thus, the proposal of revival of ammonia/urea plant at FCI-Gorakhpur in Uttar Pradesh can be seen as a corrective step towards reducing the growing supply gaps for fertilizer urea in northern zone and to minimize import dependence to fill the supply-gap. Indirectly, by producing the fertilizer within the consumption region, it will lessen the pressure on the long distance transport network as well as the transport cost involved in such long distance movement between production units and the consuming points. There will be reduction in the emission levels from FCIL Gorakhpur Unit with implementation of new technology which consumes approximately 7.005 Gcal/Te of ammonia and 4.904 Gcal/Te of Urea.