

### Justification for Locating the Project in Forest Land

Urban Development and Housing Department has decided to augmentation and strengthening of drinking water supply scheme for Adityapur Municipal Corporation (AMC) through Jharkhand Urban Infrastructure Development Company (JUIDCO) Limited. It has planned to provide safe, reliable & sustainable drinking water supply in the Adityapur Nagar Parishad, contributing to improved quality of life among the citizens under AMRUT Scheme.

Adityapur is a Corporation in Seraikela-Kharsawan district of Jharkhand State. Adityapur is being administered by AMC which came in to existence in 2015. As per the CDP, the corporation area of the town spreads for 49 sq.km and population of 1,74,335 as per 2011 census.

At present water source for Adityapur town is Karkai River and Sitarampur reservoir, where raw water is pumped from these sources to 5.5 MGD (25 MLD) water treatment plants in Sitarampur and 0.5MGD (2.25 MLD capacity) WTP in Kuluptanga region. The present demand is 56 MLD and existing water supply is 25 MLD, hence there is shortage of 31 MLD. Further the water demand may increase to 101 MLD by Year-2050.

Karkai River is not reliable to meet the existing and future demand, since the river become dry during summer season for 3 to 4 months. The utilizable storage of Sitarampur Reservoir cannot able to supply the Water @ 135 lpcd for not more than 90 days and in the coming years it will be more difficult to depend on it. At present piped water supply is not covered entire Adityapur Municipal Corporation. The areas which aren't provided with piped water supply, they dependent on either bore well or tanker supply.

The improvement of water supply infrastructure in Adityapur town is confined only to Adityapur Municipal Corporation. The objective of improvement of existing water supply distribution system, mainly the need for source augmentation, raw water transmission mains, water treatment plant, clear water transmission mains, additional storage capacity, evaluation of the condition of existing pipes and rehabilitation, expansion of water supply distribution network to the uncovered areas so as to achieve equitable and 24x7 water supply to the consumers. The proposed improvement envisages diversion of 4.49 Ha of forest land for construction of WTP in Sanpara village, where a forest clearance application has been submitted through proposal No. FP/JH/WATER/33750/2018. However, for augmentation of distribution water supply line and 30MLD WTP in Sitarampur, Master Balancing Reservoir (MBR) in Krishnapur, Over Head Tank (OHT) – 1 in Asangi also falls in forest land and envisages diversion of 3.8055 Ha of forest land in the villages falling in AMC. The diversion of forest area has been limited to the minimum requirement for laying of water supply lines. Since the laying of water supply lines are essential to achieve 100% household connections, there was no alternative land available for the said work. Along with laying of water supply lines construction of OHTs are also taken up in non-forest land locations, where land schedule is submitted separately for the same. There are no felling of trees, as the pipe will be laid within existing Right of Way of the existing city roads.

The city is facing water shortage due to rapid urbanization and industrialization as many of the industries, residential and commercial establishments are largely depending on ground water. Existing drinking water supply facility such as source, WTP, distribution system, transmission mains, bulk water storage, water supply pumps, zonal reservoirs etc., not equipped to meet the present and future demand. Hence, there is a tremendous pressure on ground water as the demand for water is increasing day by day.