

Analysis of Alternatives for the Drinking Water Distribution lines

The proposed project is to upgradation of existing drinking water supply house hold connection and also to provide new water supply lines in the expended areas of Adityapur Municipal Corporation to achieve 24/4 water supply to the consumers. Water Supply lines will be lied within the Right of way of the existing roads present in the AMC, hence there will not be damage to the vegetation and trees present along the road.

The 30MLD WTP at Sitarampur and Master Balancing Reservoir at Krisnapur is proposed adjacent to existing Structures which will help in maintaining the gradient/ elevation to supply the water through gravity. ESR/OHT-1 is proposed at Asangi village which is strategically selected by considering gradient/elevation to achieve gravitational supply of water to nearby residence. The elevation profile of these sites support the natural gravity by which avoids consumption of electricity for pumping the water.

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 diversion of forest area has been limited to the barest 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.


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