

PROPOSED WORKS TO GANGAVATI TOWN UNDER NKUSIP

Earthwork excavation in ordinary / slushy soil to lines and levels and cross section as required, including cutting/ filling the sides to shape with available / suitable soil, side protection works, (shoring) dewatering, temporary diversion of drain water etc as required for preparation of the sides and base for concreting. Concreting the base and sides of the drains using machine mixed concrete, including centering, cutting, bending and placing in position of necessary reinforcement for concreting as per the Standard Specifications. The works includes construction of concrete drains of sizes 0.50m x1.00m to 4.00mx 1.25 m including providing suitable size of concrete/HDPE pipes for allowing flood water to enter from the surrounding areas or providing suitable entry arrangements to allow water from side drains to enter the proposed drains. The arrangements to bring the necessary materials to the sites by head load, cart or motorised means and taking back excess material including leveling and clearing of site after work is also part of the scope.

The following drains have been identified by the CMC of Gangavathi for the improvement under this Bid (NKUSIP)

Bannikatti camp: This drain flows towards Durgamma nala located on the centre part of the town near Bamboo bazaar. Covered areas are Bannikatti camp area. Proposed drain for a length of 130m of size (0.5mx 1.0m)

Eranna Gudda to Krishnadevaraya canal: This drain flows from northwest to east direction and is located on the southern part of the town. Covered areas are the Hillock areas of town some part of Virpapur area, Basavanna temple area and Yellamma katti extension area. The total length of the drain is about 880m with varying width from 2m to 3m. Hence proposed RCC drain of size (1.0M x1.0M)of length 200M. (2.0M x1.0M) of length140 and (3.0Mx 1.0M) for a length of 240M.The existing drain of length 320M is in good condition hence these section are retained .

Valmiki circle to Kanakadas circle: This drain flows from northwest to East direction and is located on the central part of the town. Covered areas of town are Hillock area, Jayanagar, Basavawara bad wane, Kuvempu nagar, Market, Bus stand, Police quarters, and Bus depot area. The total length of the drain is about 3390m with varying width from 0.5m to 1.5m. Hence proposed RCC drain of size (1.25M x1.5M) for a length of 850M and (1.50Mx 1.50M) for a length of 670m and also considered repair works from Ramapura area to children park for a length of 300m. The existing drain of length 1000M is constructed recently, which is in good condition, hence this section of the drains are retained.

Killa Area to Durgamma nallah: This Drain flows from north to south direction reaches Durgamma nallah and is located on the most densely populated area of the town. Covered areas of the town are slum area Killa Aria slum, Gandhi circle, Commercial area near HMS theater, Pin jar oni. The total length of the drain is about 1000m with varying width from 2m to 1.0m. Hence proposed RCC drain of size (1.5.0M x1.5M) for a length of 300M. About 700m of drains are constructed by stone masonry which can be retained and the remaining 200m of existing drain are to be dismantled because the drain size is less. During rainy season water overflows hence this drains is replaced with new drain of size (1.0Mx1.00M).

Taluk stadium to Durgamma nallah: This Drain flows from north to south direction reaches Durgamma nallah and is located on the Commercial area and densely populated area of the town.

Covered area of the town are APMC, some part of Maruthinagar, Vegetable Market, thick slum areas these drain loaded not only with the sewage water also solid waste like vegetable waste, plastic paper etc are dumped inside the nallah. The total length of the drain is about 1450m with varying width from 4.0 m to 5.0m. Hence proposed RCC drain of size (4.0M x1.25M) for a length of 310M and also included proposed repair works from taluk stadium to APMC yard for a length of about 1450m. The existing drain of length 700M is in good condition hence these section of the drain are retained.

Maruthinagar to Durgamma nallah: This Drain flows in northwest to south direction reaches Durgamma nallah and is located on the Northern side of the town. Covered areas are Maruthinagar, Marutheswaranagar, Lingaraj camp, Vinayakanagar, Manjuvara camp. The existing drain are bad condition, Hence proposed bed concrete for a length of 860m and also proposed with only side wall for a length of 270m.

Lakshmi camp to LBS Nagar: This drain flows from north to south direction reaches Krishnadevaraya canal and is located on the eastern side of the town. Covered areas are Lakshmi camp, Gowri nagar and Jia Bheemanagar. The total length of the drain is about 730m with varying width from (1.5.0 m to 3.0m). Hence proposed RCC drain of size (1.0M x1.0M) for a length of 510M

LBS Nagar to canal: This drain flows from north to south direction reaches Krishnadevaraya canal and is located on the eastern side of the town. Covered areas are Chalavadi oni and L B S Nagar. The total length of the drain is about 850m with varying width from (1.5.0 m to 3.0m). At present area not covered by residential area. Hence proposed only RCC drain of size (1.50M x1.25M) for a length of 150M

Reliance petrol bank to Durgamma nallah via Kampli road: This drain flows from north to south direction reaches Durgamma nallah and is located on the Eastern side of the town. Covers areas are July Nagar and Amarbhagat Singh Nagar. The total length of the drain is about 1320m with varying width from 1.0 m to 2.0m. Hence proposed RCC drain of size (1.0M x1.0M) for a length of 820M and (1.0mx 1.25m) for a length of 500m.

Operation and Maintenance

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The infrastructure created under this project should satisfactorily last for the entire design period of the project. To ensure this, the various components of the project after completion need operation and maintenance during the project period for deriving maximum services out of them. The operation and maintenance of completed storm water drainage Scheme is within the scope of the Contractor, till the expiry of defects liability period of 365 days So contractor has to make his own arrangement for operation and maintenance and bear all the cost of charges excluding electrical and consumables etc met during the period. The contractor should arrange experienced technical person for the operation and maintenance of the scheme during the defect liability period. Contractor makes arrangement for training to ULB Technical and field staff.