

**Bill of Quantity**

**Sub: Development and beautification of existing Nullah Passing through the Science Centre at Bardhaman.**

Sl. No.	Description of item	Qty.	Unit	Rate	Amount
1.0	Earth work in excavation of foundation trenches or drains, in all sorts of soil (including mixed soil but excluding laterite or sandstone) including removing, spreading or stacking the spoils within a lead of 75 m. as directed. The item includes necessary trimming the sides of trenches, levelling, dressing and ramming the bottom, bailing out water as required complete. Depth of excavation not exceeding 1,500 mm.	100	Cum.	119.27	11,927.00
2.0	Earth work in filling in foundation trenches or plinth with good earth, in layers not exceeding 150 mm. including watering and ramming etc. layer by layer complete. (Payment to be made on the basis of measurement of finished quantity of work) With earth obtained from excavation of foundation.	100	Cum.	77.54	7,754.00
3.0	Dismantling all types of masonry excepting cement concrete plain or reinforced, stacking serviceable materials at site and removing rubbish as directed within a lead of 150m. At any floor including roof.	1	Cum	447.00	447.00
4.0	Dismantling all types of plain cement concrete works, stacking serviceable materials at site and removing rubbish as directed with a lead of 150m at any level.	1	Cum	1,417.00	1,417.00
5.0	Filling in foundation or plinth by fine silver sand in layers not exceeding 150 mm as directed and consolidating the same by thorough saturation with water, ramming complete including the cost of supply of sand. (payment to be made on measurement of finished	7	Cum.	543.51	3,804.57
6.0	Brick soling with picked Jhama bricks including preparation of bed as necessary with brick joints properly filled in and packed with powdered earth and including necessary cushion of similar material below the soling (and in between layers when more than one layer is used) completes as per direction. Single brick flat soling (thickness 75 mm.)	155	Sqm.	324.00	50,220.00
7.0	Brick work with 1st class bricks (Class designation 75) in cement mortar (1:6) In foundation and plinth.	52	Cum	4,812.00	2,50,224.00
8.0	Hire and labour charges for shuttering with centering and necessary staging upto 4 m using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete slabs, beams, columns, lintels curved or straight including fitting, fixing and striking out after completion of works. 25mm to 30mm thick wooden shuttering as per decision & direction of Engineer-In-Charge.	115	Sqm.	328.00	37,720.00
9.0	Reinforcement for reinforced concrete work in all sorts of structures including distribution bars, stirrups, binders etc. including supply of rods, initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with 16 gauge black annealed wire at every intersection, complete as per drawing and direction. For works in foundation and upto roof of ground floor/ upto 4 m using Tor/HYSD steel. (Make:TATA/ SAIL )	1.1	MT	71,269.00	78,395.90
10.0	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering and reinforcement if any, upto ground floor as per relevant IS codes. 1:1½:3 (1 Cement: 1½ coarse sand (zone-III) : 3 graded stone aggregate 20 mm nominal size)	20	Cum.	7,590.00	1,51,800.00

Sl. No.	Description of item	Qty.	Unit	Rate	Amount
11.0	Providing and laying in position Ordinary Cement concrete of specified grade with graded stone chips (20 mm nominal size) of Pakur variety excluding the cost of centering, shuttering and reinforcement, if any, in ground floor as per relevant IS codes. 1:2:4 (1 cement : 2 coarse sand (zone-III) : 4 graded stone aggregate 20 mm nominal size)	7	Cum.	6,610.59	46,274.13
12.0	Plaster (to wall, floor, ceiling etc.) with sand and cement mortar including rounding off or chamfering corners as directed and raking out joints including throating, nosing and drip course, scaffolding/staging where necessary at any height. With 1:6 cement mortar, 20 mm thick plaster.	220	Sqm.	155.00	34,100.00
13.0	Neat cement punning about 1.5mm thick in wall, dado, window, sill, floor etc. NOTE: Cement 0.152 cu.m per100 sq.m.	220	Sqm.	34.00	7,480.00
14.0	Providing & mixing polymer based water resistant, bonding agent like Dr. Fixit 101 LW+/ Sika Latex power or equivalent in cement plaster, concrete etc. as per manufacture's specification and direction of EIC.	5	Lit.	360.00	1,800.00
15.0	Supplying, fitting & fixing <b>110mm dia</b> UPVC pipes A- Type and fittings conforming to IS:13592-1992 with all necessary clamps nails, including making holes in walls, floor etc. cutting trenches in any soil through masonry concrete structures , chase cutting on wall for concealed pipe line etc if necessary and mending good damages including joining with jointing materials (Spun Yarn, Valamoid/Bitumen/M-Seal etc) complete. (Make: Supreme, Oriplast, Ashirvad or equivalent)	36	Mtr.	292.00	10,512.00
16.0	Providing & laying of filter media at back side of weep holes with 40mm thick stone balast.	5	Cum.	3,532.00	17,660.00
17.0	Removal of rubbish, earth, scrap material etc. from the working site and dispose off the same beyond the compound in truck loads in conformity with Municipal/Corporation rules and as per instruction of Engineer – in – Charge.	1	L.S.	2,000.00	2,000.00

Cost of Civil work ::: 7,13,535.60  
 GST, as applicable over cost of Civil work @ 18% ::: 1,28,436.41  
 Cost of Civil works excluding labour welfare cess ::: 8,41,972.01  
 Labour welfare cess @ 1% ::: 8,419.72  
**Total amount of Civil Work ::: 8,50,391.73**  
**Say Rs. 8,50,392.00**