

**DELHI URBAN SHELTER IMPROVEMENT BOARD**

**GOVT. OF NCT OF DELHI**

**OFFICE OF EXECUTIVE ENGINEER C-11**

**RANA PARTAP BAGH, DELHI-110007**

**Name of work : Pay & Use (JSC)**

**SUB HEAD:- Urgent replacement of damaged sewer line and cleaning of same sewer line from JSC 14CJ1441 to PWD main drain At AO block Shalimar bagh AC-14.**

S. No	Ref. DSR	Item	Qty	Unit	Rate	Amount
1	15.2.1	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge. Nominal concrete 1:3:6 or leaner mix (i/c equivalent design mix)	24.00	cum	997.05	23929.20
2	2.10.1.2	Excavating trenches of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, depth up to 1.5 m, including getting out the excavated soil, and then returning the soil as required, inlayers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m : All kinds of soil Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	100.00	metre	225.45	22545.00
3	2.6.1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (excluding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50 m and lift upto 1.5 m; disposed earth to be levelled and neatly dressed All kinds of soil	25.10	cum	125.95	3161.35
4	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.	8.37	cum	125.75	1052.53
5	15.60	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial 'lead, for all leads including all lifts involved.	49.10	cum	120.55	5919.01
6	19.6.3	Providing and laying non-pressure NP2 class (light duty) R.C.C. pipes with collars jointed with stiff mixture of cement mortar in the proportion of 1:2 (1 cement : 2 fine sand) including testing of joints etc. complete : 250 mm dia. R.C.C. pipe	100.00	metre	482.05	48205.00
7	19.5.4	Dismantling of old S.W. pipes including breaking of joints and bed concrete stacking of useful materials near the site within 50 m lead and disposal of unserviceable materials into municipal dumps: 250 mm diameter	100.00	metre	45.30	4530.00



8	19.2.4	Providing and laying cement concrete 1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size) all-round S.W. pipes including bed concrete as per standard design: 250 mm diameter S.W. pipe	100.00	metre	1027.00	102700.00
9	6.1.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in Cement mortar 1:4 (1 cement : 4 coarse sand)	5.00	Cum	4970.30	24851.50
10	13.4.1	12 mm cement plaster of mix: 1:4 (1 cement : 4 coarse sand)	5.00	sqm	180.85	904.25
11	19.19.1.1	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality Rectangular shape 600x450 mm internal dimensions	10.00	Nos	1073.05	10730.50
12	4.19.1.1	Providing and laying in position ready mixed plain cement concrete, using fly ash and cement content as per approved design mix and manufactured in fully automatic batching plant and transported to site of work in transit mixer for all leads, having continuous agitated mixer, manufactured as per mix design of specified grade for plain cement concrete work, including pumping of R.M.C. from transit mixer to site of laying and curing, excluding the cost of centering, shuttering and finishing, including cost of curing, admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer - in - charge. (Note : Sand and aggregate shall be derived from natural sources) Note: (1) Excess/less cement used than specified in this item is payable/ recoverable separately. (2) Fly ash conforming to grade I of IS 3812 (Part-1) only be used as part replacement of OPC as per IS : 456. Uniform blending with cement is to be ensured in accordance with clauses 5.2 and 5.2.1 of IS : 456-2000 in the items of BMC and RMC. All works up to plinth level: M-15 grade plain cement concrete (cement content considered @ 240 kg/cum).	27.56	Cum	6066.50	167192.74
13	5.22A.6	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level. Thermo-Mechanically Treated bars of grade Fe-500 D or more.	100.00	Kg	56.60	5660.00
14	19.21.2	Making connection of drain or sewer line with existing manhole including breaking into and making good the walls floors with cement concrete 1:2:4 mix ( 1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size ) cement plastered on both sides with cement mortar 1:3 ( 1 cement : 3 coarse sand ) finished with afloat coat of neat cement and making necessary channels for the drains etc. complete : For pipes 250 to 300 mm diameter	1.00	each	463.45	463.45



15	14.77	Cleaning of choked sewer line by diesel running vehicle mounting hydraulic operated high pressure suction cum jetting sewer cleaning machine fitted with pump having 4000 litres suction capacity and 6000 litres water jetting tank capacity including skilled operator, supervising engineer etc. for cleaning and partial de-silting of manholes and de-chocking of sewer lines. De-chocking and flushing of sewer line from one manhole to another by high pressure jetting system of 2200 PSI for sewer line from 150mm dia upto 300mm dia for all depth.	200.00	Metre	217.80	43560.00
16	19.19.2.2	Providing and fixing in position pre-cast R.C.C. manhole cover and frame of required shape and approved quality Circular shape 500 mm internal diameter H D - 20	12.00	each	908.35	10900.20
17	19.9.1.1	Constructing brick masonry circular type manhole 0.91 m internal dia at bottom and 0.56 m dia at top in cement mortar 1:4 (1 cement : 4 coarse sand), in side cement plaster 12 mm thick with cement mortar 1:3 (1 cement : 3 coarse sand) finished with a floating coat of neat cement, foundation concrete 1:3:6 mix (1 cement : 3 coarse sand : 6 graded stone aggregate 40 mm nominal size), and making necessary channel in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a floating coat of neat cement, all complete as per standard design : 0.91 m deep with S.F.R.C. cover and frame (heavy duty, HD-20 grade designation) 560 mm internal diameter conforming to I.S. 12592, total weight of cover and frame to be not less than 182 kg., fixed in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) including centering, shuttering all complete. (Excavation, foot rests and 12 mm thick cement plaster at the external surface shall be paid for separately) : With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	10.00	each	8683.75	86837.50
18	23.9	Providing and fixing factory made precast RCC perforated drain covers, having concrete of strength not less than M-25, of size 1000 x 450x50 mm, reinforced with 8 mm dia four nos longitudinal & 9 nos cross sectional T.M.T. hoop bars, including providing 50 mm dia perforations @ 100 to 125 mm c/c, including providing edge binding with M.S. flats of size 50-mm mm x 1.6 mm complete, all as per direction of Engineer-in-charge.	90.00	Each	959.35	86341.50
19	Appd	Providing and laying dry brick aggregate 40mm nominal size in foundation and plinth or under floors at all level including spreading and ramming in layers as directed by Engineer-in-charge	12.27	Cum	1229.24	15082.77
20	19.24.1	Dismantling of manhole including R.C.C. top slab, C.I. cover with frame including stacking of useful materials near the site and disposal of unserviceable materials into municipal dumps within 50 m lead: Rectangular manhole 90 x 80 cm and 45 cm deep	10.00	each	1044.95	10449.50

21	19.10.1	Extra depth for circular type manhole 0.91m internal dia (at bottom) beyond 0.91 m to 1.67 m. With common burnt clay F.P.S. (non modular) bricks of class designation 7.5	1.00	Metre	4911.80	4911.80
22	17.1.1	Providing and fixing water closet squatting pan (Indian type W.C. pan ) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device(handle lever) conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests.	15.00	Each	3494.20	52413.00
23	17.2.1	Providing and fixing white vitreous china pedestal type water closet (European type W.C. pan) with seat and lid, 10 litre low level white P.V.C. flushing cistern, including flush pipe, with manually controlled device (handle lever), conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required : W.C. pan with ISI marked white solid plastic seat and lid	4.00	Each	3418.70	13674.80
						746015.60
		Add @ 31.27% as GNCTD Circular on all expect item No.				233279.08
						979294.68
		Less 9.5% below expect item No.				93032.99
						886261.69

Say Rs.

886262.00

E.E.C-11/DUSIB

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