

SCHEDULE OF QUANTITIES

Name of the work : Day to day maintenance, special repairs, petty works and other miscellaneous works of Staff Quarters compound at BANJARAHILLS and JUBILEE HILLS, Hyderabad.(FY 2022-23) SH: Replacement of damaged CI Sanitary service lines with PVC pipeline to arrest leakages for A & B Blocks and Cleaning of over head water tanks & Sumps

I. No.	Description of Item	Quantity	Rate (Rs) (In Figures and Words)	Unit	Amount (Rs)
1	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, in layers 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 : i) Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	8.00	Metre	One Metre	
2	Providing and fixing unplasticised -PVC pipe clips of approved design to unplasticised - PVC rain water pipes by means of 50x50x50 mm hardwood plugs, screwed with M.S. screws of required length including cutting brick work and fixing in cement mortar 1:4 (1 cement : 4 coarse sand) and making good the wall etc. complete.				
b)	90 mm	72.00	Nos	Each	
c)	110 mm	32.00	Nos	Each	
3	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge :				
a)	15 mm to 40 mm nominal bore	20.00	Metre	One Running Metre	

I. No.	Description of Item	Quantity		Rate (Rs) (In Figures and Words)	Unit	Amount (Rs)
4	Providing and fixing P.V.C. low level flushing cistern with manually controlled device (handle lever) conforming to IS : 7231, with all fittings and fixtures complete.					
a)	10 litre capacity - White	2.00	Nos.		Each	
5	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings. This includes jointing of pipes & fittings with one step CPVC solvent cement, trenching, refilling & testing of joints complete as per direction of Engineer in Charge : External work					
a)	25 mm nominal outer dia. Pipes.	21.00	metre		One Running Metre	
b)	40 mm nominal outer dia. Pipes.	5.00	metre		One Running Metre	
6	Providing and placing on terrace (at all floor levels) polyethylene water storage tank, IS : 12701 marked, with cover and suitable locking arrangement and making necessary holes for inlet, outlet and overflow pipes but without fittings and the base support for tank.	2000.00	Litre		One Litre	
7	Providing and fixing CPVC union in CPVC pipe line including cutting and jointing with CPVC solvent cement etc complete.					
a)	25 mm nominal bore	2.00	Nos		Each	
b)	40 mm nominal bore	2.00	Nos		Each	
8	Providing and fixing CPVC ball valve of approved quality high or low pressure with plastic float complete.					

I. No.	Description of Item	Quantity		Rate (Rs) (In Figures and Words)	Unit	Amount (Rs)
a)	25mm nominal bore	1.00	Nos		Each	
9	Dismantling S.C.I. pipes including dismantling of brick work wherever pipes/fittings embedded in walls for making new connection on wall surface upto third floor level etc all complete					
a)	Up to 150 mm diameter	104.00	Metre		One Running Metre	
10	Cleaning of existng sewer lines, manholes etc. Cost includes all labour for removing the silt, slush, waste etc. and rodding the sewer lines and manholes by mobile sewer rodding equipment/manually from manhole to manhole to clear the blockage, chokages etc for proper functioning of sewer lines(The payment shall be made for removal of blockages in between manhole to manhole as one job with all above operations.)	5.00	job		Each Job	
11	Replacing existing damaged sanitary pipes by providing UPVC SWR soil waste and vent pipes by cutting, removing, replacing with working pressure 4kgf/sq.cm conforming to IS : 13592 Type A of Ultrafit/Self fit including jointing with 'T' shaped seal/rubber ring conforming to IS : 5382 and with solvent cement or rubber lubricant as the case may be with pipes of outer dia (concealed pipe joints to be jointed with rubber ring and solvent cement and exposed joints to be jointed with rubber ring and rubber lubricant. (i)Single socketed pipe(couplings,other accesories will be paid seperately)					
a)	110mm diameter	60.00	Metre		One Running Metre	
a)	90mm diameter	120.00	Metre		One Running Metre	

I. No.	Description of Item	Quantity		Rate (Rs) (In Figures and Words)	Unit	Amount (Rs)
b)	75mm diameter	5.00	Metre		One Running Metre	
12	Replacing existing on wall face damaged unplasticised - PVC moulded fittings/accessories with new fittings/accessories for unplasticised Rigid PVC SWR pipes conforming to IS : 13592 Type A including cutting,replacing,jointing with seal ring conforming to IS :5382 leaving 10 mm gap for thermal expansion.					
A)	Tee with door					
i)	110X110X110	5.00	Nos		Each	
ii)	90X90X90	6.00	Nos		Each	
iii)	75X75X75	5.00	Nos		Each	
B)	Coupler					
i)	110mm	5.00	Nos		Each	
ii)	90mm	5.00	Nos		Each	
ii)	75mm	5.00	Nos		Each	
C)	Plain bend of required degree					
i)	110mm bend	5.00	Nos		Each	
ii)	90mm bend	5.00	Nos		Each	
iii)	75mm bend	5.00	Nos		Each	
d)	Door bend					
i)	110mm	12.00	Nos		Each	
ii)	90mm	20.00	Nos		Each	

I. No.	Description of Item	Quantity		Rate (Rs) (In Figures and Words)	Unit	Amount (Rs)
iii)	75mm	4.00	Nos		Each	
e) i)	Y-Junction with door 110mm	8.00	Nos		Each	
ii)	90mm	8.00	Nos		Each	
iii)	75mm	4.00	Nos		Each	
13	Rebate for taking away of scrap of dismantled SC.I pipes with fittings etc complete	300.00	Kgs		One Kilo gram	
14	Carting out of building rubbish / malba / similar unserviceable, dismantled, excavated or waste materials by mechanical means,through private carrier including lifting, loading, transporting, unloading to municipal dumping ground beyond 50 m initial lead,or in any other compound as decided by the Engineer-in-charge, for all leads including all lifts involved.	3.00	Cum		One Cubic Metre	
15	Dismantling of RCC projections of size 1.00mX0.25X0.15m up to third floor level for attending pipe repair work and recasting the same after completion of pipe line work with RCC 1: 2:4. Rate includes labour , Materials, centring,necessary scaffolding and finishing etc all complete as per directions fo Engineer-in-Charge etc all complete	6.00	Jobs		Each Job	

I. No.	Description of Item	Quantity		Rate (Rs) (In Figures and Words)	Unit	Amount (Rs)
16	<p>Cleaning of Under ground water storage tank or sump or over head tank of any capacity by following method: (1) Empty the tank/sump and make it to near dry, (2) Apply bleaching powder uniformly (tank capacity @ 0.50gms/liter) surface of inside the tank/sump perfectly by removing scales on walls and wait for one hour (3) after one hour clean/rinse at the tank/sump with fresh water ,repeat the above process , (2) and (3) for two to three times , (4) remove the mud/silt/sludge and garbage from the tank with specified sludge pump, (5) spraying anti bacteria agents on walls to kill harmful bacteria. Rate includes for all above operations including the equipment and material required for cleaning all complete as directed by the Engineer-in-charge.</p> <p>a)Liquid capacity of water tanks of any capacity in litres is measured for payment</p>	175000	Ltr		One Litre	
				Total : Rs.		

(Rupees)

Contractor

**Executive Engineer(Civil)
BSNL Civil Division - I
Hyderabad.**