

Annexure-II (B)

Construction of sewer pipe lines of 250mm dia , 200 mm dia complete in all respect to cater the requirement of hostels, Academic & Residential area at SMVD University, kakryal katra

s.no	DSR-2013	Particulars	Unit	Qty	Rates	Amount
1	2.7	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 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 1.5m, disposed earth to be levelled and neatly dressed All kinds of soil	cum	1200		
2	2.11	Extra for excavating trenches for pipes, cables, cables etc in all kinds of soil for depth exceeding 1.5 m , but not exceeding 3m (Rate is over corresponding basic item for depth upto 1.5 meter	Mtrs	400		
3	NSI	Providing , Laying and jointing underground sewer PVC Pipe (supreme /finolex) heavy duty including testing of joints complete				
		(i) 250 mm	Mtrs	600		
		(II) 200 mm	Mtrs	1200		
3	19.7	Construction brick masonry manhole in cement mortar 1:4 (1 cement : 4 coarse sand) with R.C.C top slab with 1:2:4 mix (1 cement : 2 coarse sand : 4 graded stone aggregate 40 mm nominal size), foundation concrete 1:4:8 mix (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size) , inside plastering 12 mm thick with cement mortar 1:3(1 cement : 3 coarse sand) finished with floating coast of neat cement and making channels in cement concrete 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size) finished with a float of neat cement complete as per standard design.				

	19.7.2	Inside size 130 X 90 cm and 90 cm deep including C.I cover with frame (medium duty) 500 mm internal diameter , total weight of cover and frame to be not less than 116 kg (weight of cover 58 kg and weight of frame 58 kg)				
	19.7.2.1	With common burnt clay F.P.S (non modular) bricks of class designation 7.5	each	127		
4	19.8	Extra for depth for manholes				
	19.8.2	Size 120 X 90 cm				
	19.8.2.1	With common burnt clay F.P.S (non modular) bricks of class designation 7.5	Mtrs	50		
5	19.3	Providing and laying cement concrete 1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size (up to haunces of S.W pipes including bed concrete as per standard design.				
		(i) 200 mm diameter S.W pipe	Mtrs	1200		
		(ii)250 mm diameter S.W pipe	Mtrs	600		
6	19.15	Providing M.S foot rests including fixing in manholes with 20 X 20 X 10 cm cement concrete blocks 1:3: 6 (1 cement : 3 coarse sand : 6 graded stone aggregate 20 mm nominal size) as per standard design				
	19.15.2	With 20 mm diameter round bar	each	1200		
7	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundation etc in layers not exceeding 20 cm in depth, consolidating each deposited layer by ramming and watering , lead up to 50 m and lift upto 1.5 m	cum	850		
		Total				