

**NATIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPLLI- 620015**

**ESTATE MAINTENANCE DEPARTMANT**

**SCHDULE OF WORK**

**Name of Work : Providing & Laying 90mm OD PVC pipe for STP water from Chemical Engineering to OJAS Building and near Main sump to ICE department.**

**Ref : NITT/ CoW/EMD/Civil Works/ En. No.23(10)/14-15 , Dt.19.12.2014**

**NAME OF THE CONTRACTOR / FIRM :**

ITEM No	SUB-HEADS AND ITEM OF WORK	QTY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
1	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means in foundation trenches or drains (not exceeding 1.5 m in width or 10 sqm on plan), including dressing of sides and ramming of bottoms, lift upto 1.5 m, including getting out the excavated soil and disposal of surplus excavated soil as directed, within a lead of 50 m.	9.00	cum			
1.1	All kinds of soil.					
2	Extra for every additional lift of 1.5 m or part thereof in excavation / banking excavated or stacked materials.	1.45	cum			
2.1	All kinds of soil.					
3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :	3.00	cum			
3.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)					
4	Centering and shuttering including strutting, propping etc. and removal of form for :	42.00	sqm			
4.1	Foundations, footings, bases of columns, etc. for mass concrete					
5	12 mm cement plaster of mix :	53.00	sqm			
5.1	1:6 (1 cement: 6 fine sand)					
6	Cutting road and making good the same including supply of extra quantities of materials i.e. aggregate, moorum screening, red bajri and labour required.	15.00	cum			
6.1	Bituminous portion					

ITEM No	SUB-HEADS AND ITEM OF WORK	QTY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
7	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.	30.00	metre			
7.1	25 mm dia nominal bore					
8	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :	30.00	each			
8.1	25 mm nominal bore					
9	Providing and laying flanged C.I. standard specials such as tees, bends, collars, tapers, caps etc., suitable for flanged jointing as per IS : 1538 :	0.40	quintal			
9.1	Up to 300 mm dia					
10	Providing flanged joints to double flanged C.I./ D.I. pipes and specials, including testing of joints :	8.00	each			
10.1	200 mm diameter pipe					
11	Earth work excavation & depositing on bank with initial lead of 10m and lift of 2m in all classes by soil in narrow trenches for pipe laying work including cost & conveyance of PVC rigid pipes (True Bore/ Jain pipes) and specials and lowering in to trenches and laying to proper grade and alignment & jointing with PVC couplers with jointing materials and testing to the required pressure including conveyance of water for filling during testing and refilling the trenches with excavated earth on completion of work. For depth up to 2m - <b>External work : 75 mm OD PVC</b>	180.00	metre			
12	Supply of unplasticised-PVC moulded fittings/accessories for unplasticised Rigid PVC conforming to IS : 13592 Type A-6 kg/cm <sup>2</sup> , including jointing with seal ring conforming to IS : 5382, leaving 10mm gap for thermal expansion. <b>Saddle clamp- (75mm to 25mm)</b>	20.00	each			

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13	Earth work excavation & depositing on bank with initial lead of 10m and lift of 2m in all classes by soil in narrow trenches for pipe laying work including cost & conveyance of PVC rigid pipes (True Bore/ Jain pipes) and specials and lowering in to trenches and laying to proper grade and alignment & jointing with PVC couplers with jointing materials and testing to the required pressure including conveyance of water for filling during testing and refilling the trenches with excavated earth on completion of work. For depth up to 2m - <b>External work : 90 mm OD PVC</b>	1480.00	metre			
14	Earth work excavation & depositing on bank with initial lead of 10m and lift of 2m in all classes by soil in narrow trenches for pipe laying work including cost & conveyance of PVC rigid pipes (True Bore/ Jain pipes) and specials and lowering in to trenches and laying to proper grade and alignment & jointing with PVC couplers with jointing materials and testing to the required pressure including conveyance of water for filling during testing and refilling the trenches with excavated earth on completion of work. For depth up to 2m - <b>External work : 32 mm OD PVC</b>	630.00	metre			

SIGNATURE OF CONTRACTOR