

SCHEDULE OF WORK

State _____ Division _____
 Branch _____ Sub-Division _____
 Name of Work : Providing and laying of 110mm OD PVC line for distribution of STP (QUARTERS ZONE) water from Existing OHT to Guest house, Director bungalow, Central Library & Institute buildings

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
1	WATER SUPPLY					
1.1	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.					
1.1.1	25 mm dia nominal bore	10.00	metre			
1.2	Providing and fixing brass stop cock of approved quality :					
1.2.1	20 mm nominal bore	20.00	each			
1.3	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :					
1.3.1	40 mm nominal bore	2.00	each			
1.3.2	50 mm nominal bore	6.00	each			
1.3.3	65 mm nominal bore	6.00	each			
1.4	Providing and fixing gun metal non- return valve of approved quality (screwed end) :					
1.4.1	40 mm nominal bore					
1.4.1.1	Vertical	1.00	each			
1.5	Providing and fixing C.I. sluice valves (with cap) complete with bolts, nuts, rubber insertions etc. (the tail pieces if required will be paid separately) :					

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
1.5.1	100 mm diameter					
1.5.1.1	Class II	2.00	each			
1.6	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :					
1.6.1	20 mm nominal bore	10.00	each			
1.6.2	40 mm nominal bore	2.00	each			
	Sub-Total					
2	NIT MARKET RATE					
2.1	Earth work excavation & depositing on bank with initial lead of 10m and lift of 2min 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 External work : 63mm OD PVC 6KSC Pipes	350.00	Mtr			
2.2	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 External work : 32mm OD PVC Pipes (15kg/cm2)	270.00	Mtr			

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
2.3	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 (Avonplast Make) 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 External work : 40mm OD PVC Pipes (15kg/cm ²)	150.00	Mtr			
2.4	Cost and supply of 1.5 HP Submersible pump set (KSB/TEXMO / Equivalent /with ISI Make) with a capacity 2.00 – 6.00 in Cum/Hr, Head from 37-71m including conveyance of pump set to work spot.	1.00	Each			
2.5	Cost and supply of 4.00 sq.mm PVC insulated and sheathed 3core flat type copper cable conforming to I.S.694/1990	120.00	Mtr			
2.6	Providing and fixing of CI Adopter of approved quality including cost & conveyance to the site of work 40mm dia nominal bore	2.00	Each			
2.7	Providing and fixing of MS Bore clamp of approved quality including cost & conveyance to the site of work 40mm dia nominal bore	1.00	Each			
2.8	Providing and fixing of MS Bore plate of approved quality including cost & conveyance to the site of work 40mm dia nominal bore	1.00	Each			
2.9	Towards the Labour charges for erection of 1.50 HP Submersible pump set (KSB/ Equivalent /with ISI Make) with a capacity 2.00 – 6.00 in Cum/Hr, Head from 37-71m including conveyance of pump set to work spot. etc complete at three locations as directed by the Engineer incharge.	1.00	Job			
2.10	Providing and fixing of 40mm dia CI Bend of approved quality including cost & conveyance to the site of work	4.00	Each			

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
2.11	Towards the hire charges for flushing of existing borewells using by 600 CFM air compressor / Bore well	1.00	Each			
2.12	Cost and supply of 40mm dia HDPE pipes /6KSC (High Density Polyethylene Pipes) for bore well with necessary fittings etc., complete	120.00	Mtr			
2.13	Cost and supply of D.O.L starter 1.50 HP capacity etc., complete	1.00	Each			
2.14	Supply of Unplasticised- PVC moulded fittings/accessories for unplasticised rigid PVC conforming to IS:13592 Type 6KG/CM2 including jointing with seal ring conforming to IS :5382 ,leaving 10mm gap for thermal expansion -Saddle clamp- (75m to 25mm)	15.00	Each			
2.15	P/F of ball valve (Zoloto or equivalent) conforming to IS:1703 of approved quality (screwed end)	10.00	Each			
2.16	Making connection from 300mm dia C.I pipe to 110mm OD PVC pipe 6KSC including necessary fittings,MS Plates 6mm thick and clamps etc., complete	1.00	Each			
2.17	P/F of G.I pipes complete with G.I fittings including labour charges for cutting & threading etc., complete as directed by the Engineer in charge : External work 100mm dia nominal bore	3.00	Mtr			
2.18	Earth work excavation & depositing on bank with initial lead of 10m and lift of 2min 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 External work : 110mm OD PVC 6KSC Pipes	750.00	Mtr			

ITEM No	SUB-HEADS AND ITEM OF WORK	QUANTITY	UNIT	RATE (Rs)	RATE (In Words)	AMOUNT(Rs)
2.19	Earth work excavation & depositing on bank with initial lead of 10m and lift of 2min 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 External work : 75mm OD PVC 6KSC Pipes	550.00	Mtr			
	Sub-Total					
	Total					