

Detailed Project Report on "Ujjain Underground Sewerage Scheme"

SUB-ESTIMATE NO : 07 Effluent Disposal Recycling, Reuse and Recharging of Visnu sagar and Recharging of Rudrasagar after package treatment										
MEASUREMENT & ABSTRACT SHEET										
Sr. No	Description of Item	Unit	No.	L	B	D	Qty	Rate	Amount	
EFFLUENT DISPOSAL & UTILITIES										
1.0	Providing, Laying and Jointing non-Pressure (NP-2) RCC socket & Spigot pipes with rubber gasket joints including testing of joints (Conforming to IS: 458-1988, ISI marked (Laying as per IS: 783: 1985)									
	(MP,UADD ISSR-12-13, Vol-I, P.No. 138, I.No.13.1)									
	300 mm Dia	Rmt	1	500			500.00	598	299000	
Earthwork										
2	Earth work in excavation for pipe trench in all kinds of soil and WBM in area including drssing, watering and ramming and disposal of Excavated earth lead upto 50 meters and lift upto 1.5m, disposal earth to be leveled, neatly dressed.									
	lift of 0. to 1.5 m	Cum	1	500	0.9	0.6	270	129.10	34857	
	(MP,UADD ISSR-12-13, Vol-I, P.No. 151, I.No.15.1 & 15.2)									
Close Timbering										
3	Close timbering /steel in case of shafts, wells, cesspits, manholes and the like including strutting, shoring and packing cavaties (wherever required) etc complete (Measurment to be taken of the face area timbered)									
a	Depth not exceeding 1.5 m	Sqm	2	500		1.5	1500	102	153000	
Filling										
4	Filling the moorum for pipe bedding or over the pipe including supply of pipe									
	(MP,UADD ISSR-12-13, Vol-I, P.No. 151, I.No.15.9)	Cum	1	500	0.9	0.1	45	625.00	28125	
PCC Bedding										
5	Providing and laying mechanically mixed cement concrete with crushed stone aggregate including centering and shuttering (with 20mm nominal size grade stone aggregate)									
	P.C.C. M-20									
	Below pipes	Cum	1	500	0.9	0.1	45	4778	215010	
	(MP,UADD ISSR-12-13, Vol-I, P.No. 153, I.No.15.18 (a) iii)									
6	Filling available excavated earth in trenches, plinth sides of foundation in layers not exceeding 20cm. In depth including consolidation of each layer by ramming watering, lead up to 50m and lift up to 1.5m in all kinds of soils									
	Excavated Qty						270			
	Deductions									
	For 300 mm Dia pipe Vol.	Cum	300	0.785	0.36	0.36	30.52			
	For moorum bedding below pipe						45.00			
	For PCC below pipe						45.00			
	For encasing /Honching works									
		Cum	Total deduction Qty				120.52			
	(MP, UADD ISSR-12-13, P.No. 151, I.No.15.8	Cum	Net Qty				149.48	29	4335	
Pumping Main and Sump Well										
7	Provision of effluent sump well near STP for collection and pumping of treated sewage	Cum					500.00	15000	7500000	
8	Providing pumping main of 200 mm dia for length of 500 mt for pumping recycled/treated water from effluent collection sump well to Vishnu Sagar including valves and everything	meter		500				2345	1172500	
Mini Package Treatment at RudraSagar										
9	Provision of mini package treatment plant to be installed for treatment and recharging of Rudra Sagar(Block Cost)	No.	1						2500000	
10	Renovation and Lining of Rudrasagar								9600000	
Total									21506827	
									215.068269	