

PONDICHERRY UNIVERSITY
ENGINEERING WING

SCHEDULE OF WORK

Name of the work: Providing and laying ASTM pipe with 20HP centrifugal motar pump set for making new connection from Gents hostel pump house to Silver Jubilee campus sump (Back side of Dept. of Tamil)

S.No.	Description	Qty.	Rate Rs.P.	Unit	Amount Rs.P.
1 18.9.3 8	Providing and fixing ASTM pipes including all ASTM plain & brass threaded fittings this included jointing of pipes & fittings with one step ASTM solvent cement, trenching refilling & testing of joints Complete (External work) - 100mm nominal outer dia pipes	800		M	
2 31.136 .1H	Providing, laying and jointing G.I pipes of medium class (blue)(TATA, TNT, Nezone, Apollo, Zenith) conforming to IS specification 1239 part I and ISI marked including transportation to the site , lowering to the trenches, laying to proper grade and alignment, testing of joints with required testing equipment, excluding GI specials such as bends, tees, elbow, coupling, reducer etc., complete all as per IS and CPWD specification. -80mm dia	10		M	
3 31.136 .1I	Providing, laying and jointing G.I pipes of medium class (blue) (TATA, TNT, Nezone, Apollo, Zenith) conforming to IS specification 1239 part I and ISI marked including transportation to the site , lowering to the trenches, laying to proper grade and alignment, testing of joints with required testing equipment, excluding GI specials such as bends,	10		M	

	tees, elbow, coupling, reducer etc., complete all as per IS and CPWD specification. -100mm dia				
4 31.137 .1I	Providing and fixing in position G.I. equal Tee (UNIQUE/R Brand/HB Brand/UI Brand) conforming to IS 1239 part II and ISI marked, Including labour charges for jointing, jointing materials etc, complete- 100mm dia.	1		No.	
5 31.144 .1H	Providing and fixing in position G.I. bend (UNIQUE/R Brand/HB Brand/UI Brand) conforming to IS 1239 part II and ISI marked, including labour charges for jointing, jointing materials etc, complete - 80 mm dia.	2		No.	
6 31.48. 8B	Providing and fixing C.I. Ball type non return valve (PN 1) conforming to IS 318 & IS 1363, with bolts, nuts, rubber insertion etc., complete (the tail pieces if required will be paid separately) - 100 mm dia.	1		Each	
7 31.124 .1A	Providing and fixing in position flanged standard D.I. specials (Electro steel/Lanco / Jindal/ Kiswok) such as tees, bends, collors, tapers, caps etc.conforming to IS specification 9523/2000 and ISI marked - 100 to 300mm dia.	20		Kg	
8 31.41. 1	Providing flanged joints to double flanged C.I./D.I. pipes and specials including necessary bolts, nuts, rubber insertion and testing of joints etc.,complete - 80mm diameter pipe.	2		Each	
9 31.47. 2	Providing flanged joints to double flanged C.I./D.I. pipes and specials including necessary bolts, nuts, rubber insertion and testing of joints etc.,complete - 100mm diameter pipe.	2		Each	
10	Supplying of electricallly operated	1		Each	

31.276 .1B	horizontal split casing pump and motor(JYOTHI / KIRLOSKAR /BEACON) make AC 3 phase,415 volts,50 HZ,1500 RPM,squirrel cage motor.The pump shall have bronze impeller, high grade steel shaft, flexible coupling set, including the cost of common,M.S. Base plate, foundation bolts, etc. complete with suitable suction and delivery sizes.(20 HP centrifugal motor and pumpset).				
11 31.259 .1B	Supplying of 3.5/4x50 sqmm underground cable (Paragon/suncab/Empire) complete.-suitable for (30HP to 40HP pumpset)/(upto 40KVA Genset).	20		M	
12 31.274 .1D	Providing and fixing MS square threaded coupling (male and female thread) including necessary welding with 100mm GI pipe. -100mm dia.	2		Each	
13 MR	Supplying and installation of DI/D/F gate valve (soft sealed) resilt seated soft seeking gate valve (service valves) (make VAR, AVK, Fourers)100 mm dia	2		Each	
14 MR	Supplying and fixing booster pump of suitable capacity of approved brand for the purpose of horizontal discharge to a length of 650 metre from the existing sump at Gents hostel to Silver Jubilee campus pump house. The rate includes the cost of booster pump along with connected accessories including panel board and necessary wiring etc., should be designed accordingly etc., complete in position as directed by the Engineer-in-charge	1		Each	
15 31.78. 8	Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality	20		M	

	- 80 mm diameter pipe				
16 31.78. 9	Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality - 100 mm diameter pipe	6		M	
17 31.278 .1A	Erection, testing and commissioning of the centrifugal motor pumpset with pipe fittings, etc. complete.- 15 HP to 25 HP motor.	1		Each	
18 31.256 .1C	Supplying and fixing of fully automatic air break star-delta starter range for 13A to 25A F.A.S.D. (Bharat Culter Hammer/L&T/Siemens make) with suitable M.S. angle frame etc., complete.- 20HP to 25HP pumpsets -(ML-1.5)	1		Each	
19 4.1.3	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering.- All work upto plinth level -1:2:4 (1 cement:2coarse sand : 4 graded stone aggregate 20mm nominal size)	0.15		Cum	
20 2.31	Clearing jungle including uprooting of rank vegetation, grass, brush wood, trees and saplings of girth upto 30 cm measured at a height of 1 m above ground level and removal of rubbish upto a distance of 50 m outside the periphery of the area cleared.	2400		Sqm	
	Total				

I hereby abide the rules and regulations stipulated in the CPWD form no. 6 & 8.

Contractor

Executive Engineer