

INDIAN INSTITUTE OF TECHNOLOGY MADRAS

IC & SR

Name of work:Construction of elevated constructed wetland at Vichoor village

FINANCIAL BID - VOLUME II - BILL OF QUANTITIES

Enquiry No: CIE/ 2020/LIGY/ Construction of elevated constructed wetland at Vichoor village

Name of the Bidder						
Sl. No.	Description	Quantity	Unit	Rate Rs in figures	Rate Rs in words	Amount
1	Surface dressing of the ground including removing vegetation and inequalities not exceeding 15 cm deep and disposal of rubbish, lead upto 50 m and lift upto 1.5 m. All kinds of soil	84.00	sqm			0.00
2	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 50m. All kind of soil.	26.00	cum			0.00
3	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 m and lift upto 1.5 m.	29.00	cum			0.00
4	Supplying and filling in foundation / plinth / basement with quarry dust under floors, including watering, ramming, consolidating and dressing complete.	3.50	cum			0.00
5	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level: 1:4:8 (1 Cement :4coarse sand : 8 graded stone aggregate 40mm nominal size)	3.50	cum			0.00

Sl. No.	Description	Quantity	Unit	Rate Rs in figures	Rate Rs in words	Amount
6	Providing and laying in position machine batched and machine mixed design mix M-25 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-in-charge in all levels. (Note :- Cement content considered in this item is @ 330 kg/cum. Excess/less cement used as per design mix is payable/recoverable separately).	30.00	cum			0.00
7	Add for using extra cement in the items of design mix over and above the specified cement content therein.	180.00	kg			0.00
8	Boring, Providing and installing cast in situ single under reamed piles of specified diameter and length below pile cap in M-25 cement concrete, to carry a safe working load not less than specified, excluding the cost of steel reinforcement but including the cost of boring with bentonite solution and the length of the pile to be embedded in pile cap etc. all complete. (Length of pile for payment shall be measured upto to the bottom of pile cap) : 300mm dia pile	30.00	rm			0.00
9	Centering and shuttering including strutting, propping etc. and removal of form work for all RCC works in all levels.	190.00	sqm			0.00
10	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete in all levels. TMT bars	2250.00	kg			0.00
11	Masonry work with fly ash solid cement concrete blocks M10 grade using Cement mortar 1:6 in all levels.	2.00	cum			0.00
12	Half brick masonry work with fly ash cement concrete blocks M10 grade using Cement mortar 1:4 in all levels	2.00	sqm			0.00
13	Structural steel work riveted, bolted or welded in built up sections, trusses and framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer and two coats of enamel paint all complete.	800.00	kg			0.00
14	12 mm cement plaster of mix : 1:4 (1 cement: 4 fine sand).	10.00	sqm			0.00
15	Cement concrete flooring 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry, but excluding the cost of nosing of steps etc. complete. 40 mm thick with 20 mm nominal size stone aggregate	18.29	sqm			0.00
16	Finishing walls with water proofing cement paint of required shade : New work (Two or more coats applied @ 3.84 kg/10 sqm over a coat of cement primer)	10.00	sqm			0.00

Sl. No.	Description	Quantity	Unit	Rate Rs in figures	Rate Rs in words	Amount
17	Providing and fixing soil, waste and vent pipes : UPVC Pipe 4kg/sqcm including all fittings.					
a	75mm dia	12.00	Rm			0.00
b	110mm dia	50.00	Rm			0.00
18	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge.					
a	25 mm nominal outer dia Pipes	10.00	Rm			0.00
b	40 mm nominal outer dia Pipes	15.00	Rm			0.00
					Total	0.00
				Total in words	#NAME?	
	Signature of the Contractor					Principal Coordinator
	(during signing of the agreement)					Dept.of Civil Engineering