

UCEP BANGLADESH

Project Name: Pre-Cast Pillars with Barbed Wire Fencing Works at TVET Institute Campus

UCEP Jatrabari TVET Institute

2/49, Medical Road, Saddam Market, Matuail, Dhaka-1362

Bill of Quantities (BOQ), Construction Cost

(Part-1): Pre-Cast Pillars with Barbed Wire Fencing – Right Side of Main Gate (Vacant Land), Length: 327 Rft					
SL No	Description of item	Quantity	Unit	Unit Rate in Tk	Amount in Tk
1	Providing barbed wire fencing with R.C.C (1:2:4) pillars @ 3 m c/c. Supplying, fitting and fixing 8 lines of barbed wire horizontally (fixed with the post through 6 mm dia rods embedded in to the post) and 2 lines diagonally from post to post with 12 BWG 2 ply barbed wire, with 4 points barbs @ at least 112 mm c/c including 6 mm thick (1:4) cement plaster up to 1500 mm length of the pillars etc. complete and accepted by the Engineer-in-charge. (Rate is excluding the cost of concrete, reinforcement & plaster which is to be paid as per corresponding items in the schedule)	6,100.00	sft		
2	Pre-cast Pillar (Size: 6" x 6" or any other Required Size) made in reinforced cement concrete with minimum cement content relates to mix ratio 1:2:4 having maximum water cement ratio = 0.45 and minimum f _{cr} = 26 MPa, satisfying a specified compressive strength f _c = 19 MPa at 28 days on standard cylinders as per standard practice of Code ACI/BNBC/ASTM, cement conforming to BDS EN-197-1-CEM-I, 52.5N (52.5 MPa) / ASTM-C 150 Type – I, best quality sand [50% quantity of best local sand (F.M. 1.2) and 50% quantity of Sylhet sand or coarse sand of equivalent F.M. 2.2] and 20 mm down well graded picked jhama brick chips conforming to ASTM C-33 including conducting necessary tests, breaking chips and screening, making and placing shutter in position maintaining true to plumb, making shutter water-tight properly, placing reinforcement in position; mixing in standard mixer machine with hopper fed by standard measuring boxes, casting in forms, compacting by vibrator machine and curing at least for 28 days, removing centering-shuttering after specified time approved; including cost of water, electricity, other charges etc. all complete, approved and accepted by the Engineer-in-charge. (Rate is including the cost of reinforcement and its fabrication, binding, welding and placing)	600.00	rft		
3	Driving 6" x 6" size or any other Required Size pre-cast Pillar with drop hammer type rig, and maintaining driving log in prescribed format Before commencing driving operation, contractor shall submit method statement for carrying out the driving operation including sequence of driving to the Engineer-in-charge for approval. However, Engineer's approval shall not relieve the contractor of his responsibilities and obligations under contract.	300.00	rft		
4	Miscellaneous work; any type of work, Additional materials, labor and other accessories if necessary during construction. (Site need base)	1.00	LS		
Sub-Total Amount (Part-1)-(In/c Govt. VAT & AIT)					
(Part-2): Pre-Cast Pillars with Barbed Wire Fencing – Backside of Existing TVET Institute and Newly Constructed Semi-Pucca Building (Length: 394 Rft)					
1	Providing barbed wire fencing with R.C.C (1:2:4) pillars @ 3 m c/c. Supplying, fitting and fixing 8 lines of barbed wire horizontally (fixed with the post through 6 mm dia rods embedded in to the post) and 2 lines diagonally from post to post with 12 BWG 2 ply barbed wire, with 4 points barbs @ at least 112 mm c/c including 6 mm thick (1:4) cement plaster up to 1500 mm length of the pillars etc. complete and accepted by the Engineer-in-charge. (Rate is excluding the cost of concrete, reinforcement & plaster which is to be paid as per corresponding items in the schedule)	7,450.00	sft		


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	2	Pre-cast Pillar (Size: 6" x 6" or any other Required Size) made in reinforced cement concrete with minimum cement content relates to mix ratio 1:2:4 having maximum water cement ratio = 0.45 and minimum f _{cr} = 26 MPa, satisfying a specified compressive strength f _c = 19 MPa at 28 days on standard cylinders as per standard practice of Code ACI/BNBC/ASTM, cement conforming to BDS EN-197-1-CEM-I, 52.5N (52.5 MPa) / ASTM-C 150 Type – I, best quality sand [50% quantity of best local sand (F.M. 1.2) and 50% quantity of Sylhet sand or coarse sand of equivalent F.M. 2.2] and 20 mm down well graded picked jhama brick chips conforming to ASTM C-33 including conducting necessary tests, breaking chips and screening, making and placing shutter in position maintaining true to plumb, making shutter water-tight properly, placing reinforcement in position; mixing in standard mixer machine with hopper fed by standard measuring boxes, casting in forms, compacting by vibrator machine and curing at least for 28 days, removing centering-shuttering after specified time approved; including cost of water, electricity, other charges etc. all complete, approved and accepted by the Engineer-in-charge. (Rate is including the cost of reinforcement and its fabrication, binding, welding and placing)	900.00	rft		
	3	Driving 6" x 6" size or any other Required Size pre-cast Pillar with drop hammer type rig, and maintaining driving log in prescribed format Before commencing driving operation, contractor shall submit method statement for carrying out the driving operation including sequence of driving to the Engineer-in-charge for approval. However, Engineer's approval shall not relieve the contractor of his responsibilities and obligations under contract.	320.00	rft		
	4	Miscellaneous work; any type of work, Additional materials, labor and other accessories if necessary during construction. (Site need base)	1.00	LS		
Sub-Total Amount (Part-2)-(In/c Govt. VAT &AIT)						
Grand-Total Amount (Part 1+2)-(In/C Govt. VAT &AIT)						
*NOTE :						
1.Contractors should not be quoted for Miscellaneous items.						
2.Contractors are requested to provide rate quotes for each item inclusive of VAT and AIT as per Govt. rules.						
3.Items quantity and number of items subject to change based on physical site conditions (as per site need base).						
4.The contractor shall perform all standard conventional material tests as directed by the engineer in charge; if needed.						
5.Contractor bill will be paid as per physical field measurement by MB entry.						


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