

Construction of Boundary Wall at IIIT Guwahati permanent campus near Mirza, under						
NIT NO: HPL/DGM/TC/IIITG/2017-18/73 Dated: 27.10.2017						
Name of the Agency:						
Sl. No.	DSR 2016	DESCRIPTION	UNIT	QTY.	RATE (Rs)	Amount (Rs)
A		<b>BOUNDARY WALL WITH ISOLATED FOOTING</b>				
1.0	2.0	<b><u>EARTH WORKS</u></b>				
1	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.				
	2.8.1	All kinds of soils	CUM	2932.00		
2	2.25	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.	CUM.	2283.00		
		<b>TOTAL (Carried Over to Summary of Civil Works)</b>				
	4.0	<b><u>CONCRETE WORKS</u></b>				
3	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	4.1.8	1:4:8 (1 cement : 4 coarse sand : 8 graded stone aggregate 40mm nominal size).	Cum	149.00		
4	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor,etc., up to floor five level, excluding the cost of centering, shuttering and finishing:				
	4.2.3	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	29.00		
		<b>TOTAL (Carried Over to Summary of Civil Works)</b>				
	5.0	<b><u>REINFORCED CEMENT CONCRETE WORK</u></b>				
5	5.9	Centering and shuttering including strutting, propping etc. and removal of form for :				
	5.9.1	Foundations, footings, bases of columns, etc. for mass concrete.	SQM	1654.00		
	5.9.5	Lintels, beams, plinth beams, girders, bressumers and cantilevers	SQM	1585.00		
	5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts.	SQM	2993.00		
6	5.22	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto & above plinth level.				
	5.22.6 & 5.22A.6	Thermo-Mechanically Treated bars.	KG	119709.00		
7	5.1	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level				
	5.1.2	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	CUM	640.00		
8	5.2	Reinforced cement concrete work in walls (any thickness), including attached pilasters, buttresses, plinth and string courses, fillets, columns, pillars, piers, abutments, posts and struts etc. up to floor five level, excluding cost of centering, shuttering, finishing and reinforcement :				
	5.2.2	1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size)	CUM	104.00		
		<b>TOTAL (Carried Over to Summary of Civil Works)</b>				
		<b><u>BRICK WORK</u></b>				
9	6.1	Brick work with common burnt clay F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth (including honey combing works wherever necessary as per drawings and direction of Engineer-in-charge all complete):				
	6.1.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	Cum	547.00		
10	6.4	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level up to floor V level in all shapes and sizes in :				
	6.4.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	Cum	396.00		
		<b>TOTAL (Carried Over to Summary of Civil Works)</b>				

Sl. No.	DSR 2016	DESCRIPTION	UNIT	QTY.	RATE (Rs)	Amount (Rs)
		<b><u>STEEL WORK</u></b>				
11	10.25	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required				
	10.25.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works.	KG	1805.00		
12	16.53	Providing and fixing concertina coil fencing with punched tape concertina coil 600 mm dia 10 metre openable length ( total length 90 m), having 50 nos rounds per 6 metre length, upto 3 m height of wall with existing angle iron 'Y' shaped placed 2.4 m or 3.00 m apart and with 9 horizontal R.B.T. reinforced barbed wire, stud tied with G.I. staples and G.I. clips to retain horizontal, including necessary bolts or G.I. barbed wire tied to angle iron, all complete as per direction of Engineer-in-charge, with reinforced barbed tape(R.B.T.) / Spring core (2.5mm thick) wire of high tensile strength of 165 kg/ sq.mm with tape (0.52 mm thick) and weight 43.478 gm/ metre (cost of M.S. angle, C.C. blocks shall be paid separately)	Metre	1050.00		
		<b>TOTAL (Carried Over to Summary of Civil Works)</b>				
		<b><u>FINISHING WORK</u></b>				
13	13.1.1	12 mm cement plaster of mix-1:4 (1 cement: 4 fine sand)	SQM	4891.00		
	13.3	20 mm cement plaster of mix :				
	13.3.1	1:4 (1 cement: 4 fine sand)	SQM	1721.00		
14	5.30	Add or deduct for plaster drip course/ groove in or moulding to R.C.C. projections.plastered surface	metre	2100.00		
15	13.44	Finishing walls with water proofing cement paint of required shade :				
	13.44.1	New work (Two or more coats applied @ 3.84 kg/10 sqm)	SQM	5644.00		
16	13.61	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade :				
	13.61.1	Two or more coats on new work	SQM	132.39		
		<b>TOTAL (Carried Over to Summary of Civil Works)</b>				
		<b>TOTAL DSR Amount (I)</b>				
		<b>EARTH DRAIN</b>				
17	2.8	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.				
	2.8.1	All kinds of soils	CUM	3005.00		
		<b>Total Cost</b>				
18	2.6	Earth work in excavation by mechanical means (Hydraulic excavator) / manual means over areas (exceeding 30cm in depth. 1.5 m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m, disposed earth to be levelled and neatly dressed.				
	2.6.1	All kinds of soil	cum	109.00		
19	2.25	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.	cum	20.00		
20	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
	4.1.2	1:1½:3 (1 Cement: 1½ coarse sand: 3 graded stone aggregate 20 mm nominal size)	cum	22.00		
	4.1.8	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	109.00		
21	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for :				
	4.3.3	Columns, piers, abutments, pillars, posts and struts	sqm	545.00		

Sl. No.	DSR 2016	DESCRIPTION	UNIT	QTY.	RATE (Rs)	Amount (Rs)
22	5.22	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete upto plinth level and above plinth.				
	5.22.6	Thermo-Mechanically Treated bars	Kg	6550.00		
23	16.17	Fencing with R.C.C. post placed at required distance, embedded in cement concrete blocks, every 15th post, last but one end post and corner post shall be struted on both sides and end post one side only, provided with horizontal lines and two diagonals of barbed wire weighing 9.38 kg per 100 metres (minimum), between the two posts fitted and fixed with G.I. staples on wooden plugs or G.I. binding wire tied to 6 mm bar nibs fixed while casting the post (cost of R.C.C. posts, struts, earth work and concrete to be paid for separately) :- Payment to be made per metre cost of total length of barbed wire used.				
	16.17.1	With G.I. barbed wire	metre	11860.00		
24	13.44	Finishing walls with water proofing cement paint of required shade :				
	13.44.1	New work (Two or more coats applied @ 3.84 kg/10 sqm)	sqm	409.00		
25	10.25	Steel work welded in built up sections/ framed work, including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.				
	10.25.2	In gratings, frames, guard bar, ladder, railings, brackets, gates and similar works	Kg	609.00		
		<b>TOTAL AMOUNT OF WORK</b>				
		<b>BOUNDARY MAIN GATE - IIITG</b>				
26	2.8.1	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 50 m.	Cum.	43.20		
27	2.25	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 upto 50m and lift upto 1.5m.	Cum	28.23		
28	4.1.8	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All 1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size).	Cum.	3.60		
29	5.1.2	Providing and laying in position specified grade of reinforced cement concrete excluding the cost of centering 1:1.5:3 (1 cement : 1.5 coarse sand : 3 graded stone aggregate 20 mm nominal size) , shuttering, finishing and reinforcement - All work up to plinth level :in raft foundation	Cum	10.20		
30	5.2.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills fillets etc. upto floor V level, excluding the cost of centring, shuttering and finishing 1:1½:3 (1 cement:1½ coarse sand:3 graded stone aggregate 20 mm nominal size):.	Cum	4.83		
31	5.9.5	Centering and shuttering including strutting, propping etc. and removal of form for Lintels, beams, plinth beams, girders, bressumers and cantilevers.:	Sqm	177.75		
32	5.22.6	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete.Thermo-Mechanically Treated bars.	Qtl.	17.49		
33	10.25.1	Steel work welded in built up sections/ framed work including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer using structural steel etc. as required.	Kg	500.00		
34	13.2.2	15 mm cement plaster on the rough side of single or half brick wall of mix 1:6 (1 cement: 6 coarse sand):.	Sqm	35.00		
35	13.45.1	Finishing walls with textured exterior paint of required shade New work (Two or more coats applied @ 3.28 ltr/10 sqm) over and including base coat of water proofing cement paint applied @ 2.20kg/10 sqm.:	Sqm	35.00		
36	13.61.1	Painting with synthetic enamel paint of approved brand and manufacture to give an even shade Two or more coats on new work.:	Sqm	29.97		
		<b>Total</b>				

Sl. No.	DSR 2016	DESCRIPTION	UNIT	QTY.	RATE (Rs)	Amount (Rs)
<b>ABSTRACT OF COST - CIVIL WORKS</b>						
Sl. No.		DESCRIPTION	AMOUNT (Rs.)			
A		ISOLATE FOOTING BOUNDARY WALL				
1.0	2.0	EARTH WORKS				
2.0	4.0	CONCRETE WORKS				
3.0	5.0	REINFORCED CEMENT CONCRETE WORK				
4.0	6.0	BRICK WORK				
5.0	10.0	STEEL WORK				
6.0	13.0	FINISHING				
<b>Total of DSR &amp; NON DSR</b>						
i		Earth Drain				
ii		Barbed Wire Fencing				
iii		Boundary Main Gate				
		<b>Grand Total(in Rs.)</b>				
Note: The rates quoted by the bidder shall be inclusive of all types of taxes including GST.						