

NAIONAL INSTITUTE OF TECHNOLOGY, TIRUCHIRAPPALLI - 620015
DEPARTMENT OF ESTATE MAINTRNANCE
SCHDULE OF WORKS

N/W : Construction of Shed for CEESAT Building (civil works only)

Name of the Agency :

SLNo	Description	Qty	Unit	Rate	Rate (In Words)	Amount(RS)
1	EARTH WORK					
1.1	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.					
1.1.1	All kinds of soil	21	cum			
1.2	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.	7	cum			
1.3	Supplying and filling in plinth with river Sand under floors, including watering, ramming, consolidating and dressing complete.	14.5	cum			
2	CONCRETE WORK					
2.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :					
2.1.1	1:5:10 (1 cement : 5 coarse sand : 10 graded stone aggregate 40 mm nominal size)	14.5	cum			
3	REINFORCED CEMENT CONCRETE					
3.1	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 :					
3.1.1	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	7	cum			
3.2	Centering and shuttering including strutting, propping etc. and removal of form for :					
3.2.1	Foundations, footings, bases of columns, etc. for mass concrete	13	sqm			

SLNo	Description	Qty	Unit	Rate	Rate (In Words)	Amount(RS)
3.2.2	Lintels, beams, plinth beams, girders, bressumers and cantilevers	20.5	sqm			
3.2.3	Columns, Pillars, Piers, Abutments, Posts and Struts	17	sqm			
3.2.4	Columns, Pillars, Piers, Abutments, Posts and Struts	18	sqm			
3.3	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete above plinth level.					
3.3.1	Cold twisted bars	660	kilogram			
4	STEEL WORK					
4.1	Steel work in built up tubular (round, square or rectangular hollow tubes etc.) trusses etc., including cutting, hoisting, fixing in position and applying a priming coat of approved steel primer, including welding and bolted with special shaped washers etc. complete.					
4.1.1	Hot finished welded type tubes	3600	kg			
5	FLOORING					
5.1	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.					
5.1.1	40 mm thick with 20 mm nominal size stone aggregate	115	sqm			
6	FINISHING					
6.1	12 mm cement plaster of mix :					
6.1.1	1:6 (1 cement: 6 fine sand)	220	sqm			
6.2	Finishing walls with Acrylic Smooth exterior paint of required shade :					
6.2.1	New work (Two or more coat applied @ 1.67 ltr/10 sqm over and including priming coat of exterior primer applied @ 2.20 kg/ 10 sqm)	100	sqm			

SLNo	Description	Qty	Unit	Rate	Rate (In Words)	Amount(RS)
6.3	Wall painting with acrylic emulsion paint of approved brand and manufacture to give an even shade :					
6.3.1	Two or more coats on new work	125	sqm			
7 WATER SUPPLY						
7.1	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings This includes jointing of pipes & fittings with one step CPVC solvent cement ,trenching ,refilling & testing of joints complete as per direction of Engineer in Charge.					
7.1.1	40 mm nominal outer dia Pipes	30	metre			
7.2	Providing and fixing G.I. pipes complete with G.I. fittings and clamps, i/c cutting and making good the walls etc.					
7.2.1	20 mm dia nominal bore	30	metre			
7.3	Providing and fixing G.I. pipes complete with G.I. fittings including trenching and refilling etc.					
7.3.1	25 mm dia nominal bore	30	metre			
7.4	Providing and fixing gun metal gate valve with C.I. wheel of approved quality (screwed end) :					
7.4.1	25 mm nominal bore	1	each			
7.5	Painting G.I. pipes and fittings with synthetic enamel white paint with two coats over a ready mixed priming coat, both of approved quality for new work :					
7.5.1	20 mm diameter pipe	30	metre			
7.6	Painting G.I. pipes and fittings with two coats of anti-corrosive bitumastic paint of approved quality :					
7.6.1	25 mm diameter pipe	30	metre			
7.7	Providing and filling sand of grading zone V or coarser grade, all- round the G.I. pipes in external work :					
7.7.1	25 mm diameter pipe	30	metre			
7.8	Providing and fixing G.I. Union in G.I. pipe including cutting and threading the pipe and making long screws etc. complete (New work) :					
7.8.1	25 mm nominal bore	3	each			

SLNo	Description	Qty	Unit	Rate	Rate (In Words)	Amount(RS)
7.9 7.9.1	Providing and fixing C.P. brass bib cock of approved quality conforming to IS:8931 : 15 mm nominal bore	5	each			
8 HORTICULTURE & LANDSCAPING						
8.1	Supplying and stacking of good earth at site including royalty and carriage up to 1 km (earth measured in stacks will be reduced by 20% for payment).	67	cum			
9 NIT-T Local Items						
9.1	Brick work with common burnt clay modular bricks of class designation 3.5 in superstructure above plinth level up to floor V level in all shapes and sizes in Cement Mortar 1:6	25	Cum			

Signature of Contractor

- Sd -
Chief of Works