

Chhattishgarh State Renewable Energy Development Agency
(Deptt.of Energy C.G.Govt.)
Regional Office

Near energy Education Park, Rajkishor Nagar Bilaspur(C.G.)

Ph: No.: - (07752)240553


Ref: 7479 /CREDA ROB/Tender No. 7154 /2018-19

Date - 20.02.19

// Corrigendum and Addendum//

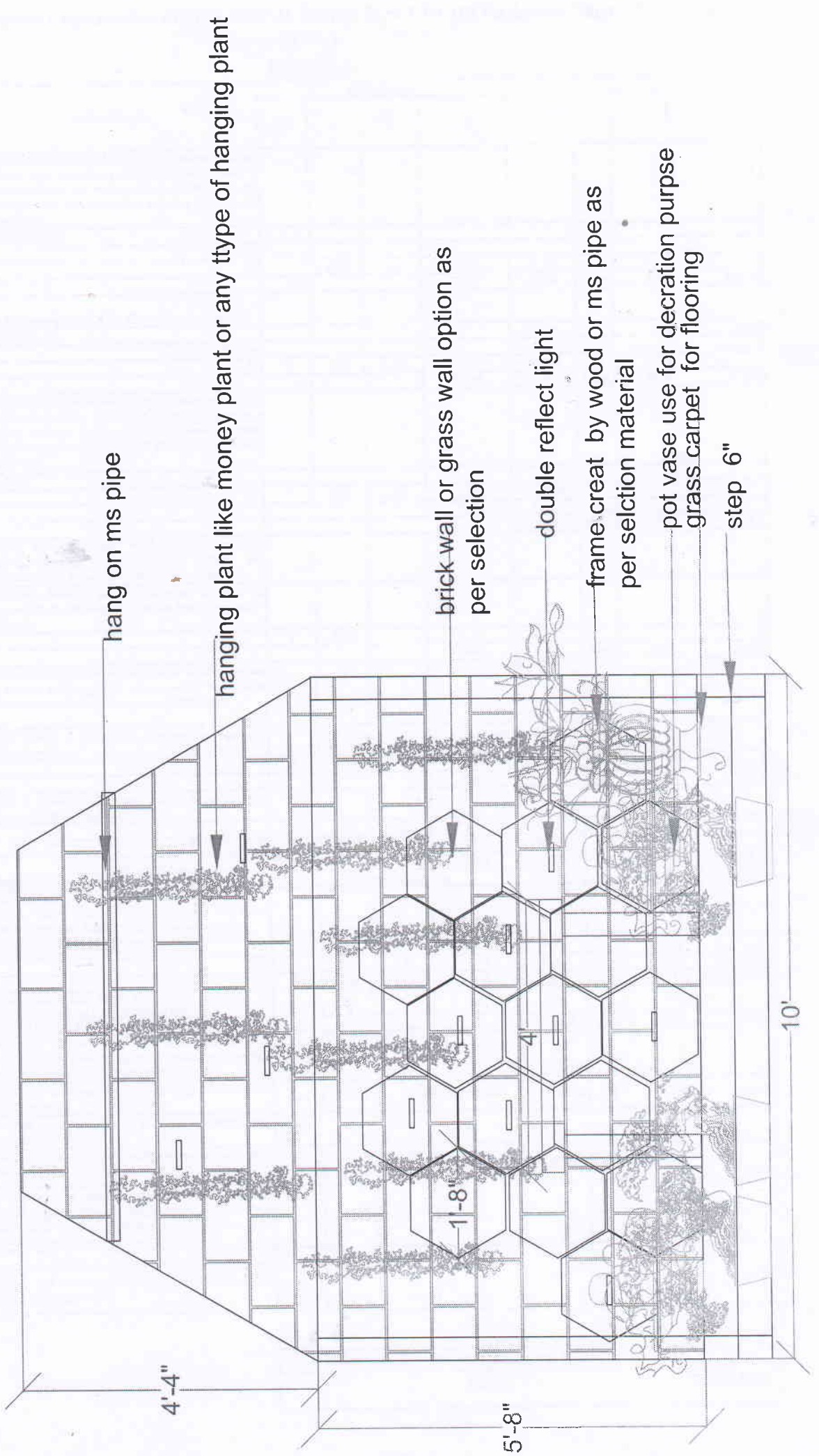
With reference to Tender no. 7154 Dated : 05.02.19 Following amendments are hereby made.

- (02) Detailed Estimates are enclosed for each item as per details below :-
- Plan & Estimate for Lawn/Pond Beautification.
 - Plan & Estimate for Pagoda.
 - Plan & Estimate for Selfy Zone
 - Plan & Estimate for Vertical Garden.
- (02) Estimated cost of total work mentioned in NIT No. 7157 Dated: 05.02.19 and in tender documents shall be read as Rs. 933598.00 (In words : Rs. Nine Lakhs Thirty Three Thousand Five Hundred Nanty Eight Only)
- (03) All the documents attached with this Corrigendum/Addendum shall be integral part of tender document and these shall be enclosed along with tender document.
- (04) EMD for this tender shall be Rs. 18675/-.


20.2.19.

(Vijay Kumar)

Executive Engineer
CREDA, R.O. Bilaspur



hang on ms pipe

hanging plant like money plant or any ttype of hanging plant

brick wall or grass wall option as per selection

double reflect light

frame creat by wood or ms pipe as per selection material

pot vase use for decoration purpose grass carpet for flooring

step 6"

4'-4"

5'-8"

10'

1-8"

4"

Detailed Estimate for Construction of Selfi Zone At Energy Park CREDA Rajkishor Nagar Distt-Bilaspur (C.G.)

DETAILS

S.No	SOR Item No.	Items of works	Measurement				Qty.			
			No.	L	B	D/H				
1	1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits								
	1.1.1	In all types of soils.								
		Footing								
		F1	2	1.20	1.20	2.00	5.760			
						Total	5.760	Cum	185	1065.6
2	1.6	Extra for every additional lift of 1.5 m or part thereof.								
	1.6.1	All types of soils								
		Footing								
		F1	2	1.20	1.20	0.30	0.864			
						Total	0.864	Cum	26.5	22.896
3	1.17	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.								
		Qty. of E/W								
		F1	2	2.10	2.10	2.00	17.640			
						Total	17.64			
							17.640	Cum	65	1146.6
5	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping, bracing etc. complete and including its removal at all levels, for:								0
	2.1.1	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								0
		F1	2	1.50		0.25	0.750			0
						Total	0.750	Sqm	139	104.25
6	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								0
	3.1.3	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								0
		F1	2	1.20	1.20	0.10	0.288			0
						Total	0.288	Cum	2970	855.36
	3.2.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								0
		F1	2	1.20	1.20	1.50	4.320			0
		C1	2	0.35	0.20	1.50	0.210			0
						Total	4.530	Cum	4163	18858.39
	3.12.1	Thermo-Mechanically treated bars FE 415					453cumx@100kg/cum			54.5
							453.000	Kg		24688.5
7	7.4	Brick work with well burnt(open bhatta) clay brick of crushing strength not less then 20kg/sqcm and water absorption not more than 25 % in foundation and plinth.								
		Cement mortar 1:6 (1 cement : 6 Coarse Sand)								
	7.4.1		W1	1	3.08	0.35	1.54		Cum	3263
			W2	1	3.08	0.22	1.54			3404.953552
	11.3	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix:								
	11.3.3	In cement Mortar 1:6 (1 cement : 6 fine sand)								
				2	3.08	3.20		19.712	sqm	107
8	9.6.	Steel work welded in built up section/ framed work including cutting ,hoisting ,fixing in position and applying coat of red oxide zind chromate primer.								
	9.6.2	in grating ,Frames,guard bar , ladder,railing, brackets, gates and similer works.								
				1	10.00	3.24 Kg per meter		32.40	Kg	68
9	14.1	Providing and applying plaster of peris over plastered wall including scaffolding								
	14.1.1	Upto 2 mm thickness to make surface even and smooth in true plumb line.								
				2	3.08		3.08	18.97	sqm	63
										1195.2864
10	14.15	Painting exterior surface with ACRYLIC SMOOTH exterior paint of required shade as per manufacture's specification to give protective and decorative finish including cleaning washing of surface.								
	14.15.1	On new work (Two or more coat applied 1.43 @10 sqmover and including priming coat of exterior primer applied 2 2.20 kg/10 sqm)								
				2	3.08		3.08	9.49	sqm	74.5
										706.7368
									61777.9283	
20% of total Estimate For Lighting and Electrification										12355
Total										74132.9283

TITLE

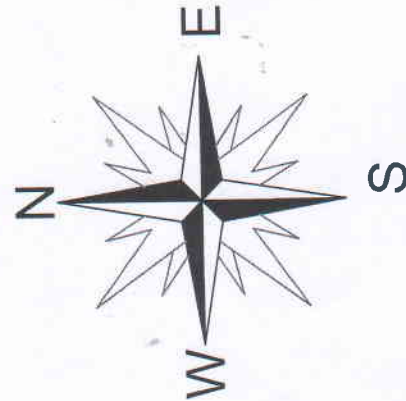
PLAN OF VERTICAL GARDEN

SIZE=9.26X3.08
THICK=0.3 UPTO 1.54
THICK 0.2 ABOVE 1.54

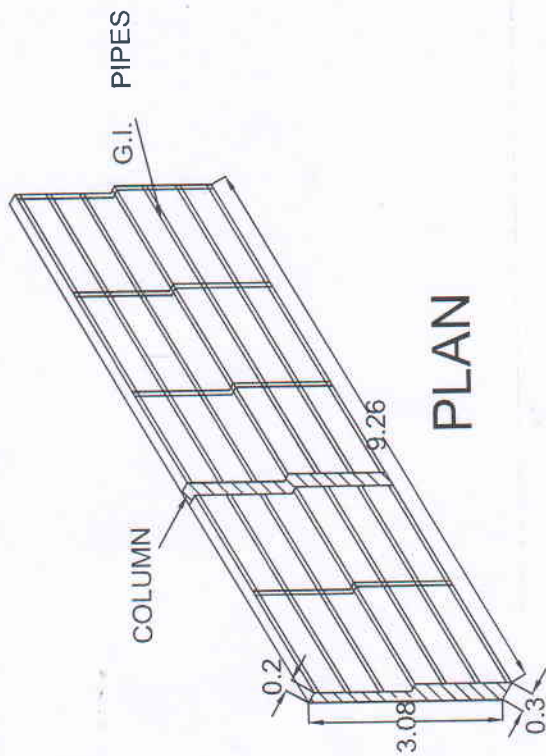
03 CONCRETE COLUMN AT THE
DISTANCE 3.08 M OF SIZE=0.30X0.30

G.I. PIPES= 06 No's@5' = 1.5" sq
PIPE AS FRAME

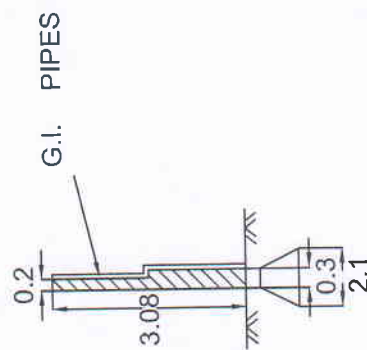
ALL UNITS ARE IN METERS



AS PER SITE PLAN



PLAN

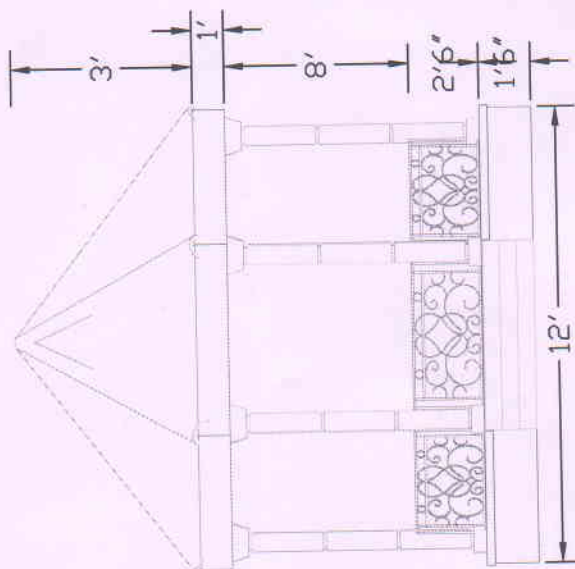


ELEVATION

Detailed Estimate for Construction of Vertical Garden Frame At Energy Park CREDA Rajkishor Nagar Distt-Bilaspur (C.G.)

DETAILS

S.No	SOR Item No.	Items of works	Measurement				Qty.			
			No.	L	B	D/H				
1	1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	1.1.1	In all types of soils.								
		Footing								
		F1	3	1.20	1.20	2.00	8.640			
						Total	8.640	Cum	185	1598.4
2	1.6	Extra for every additional lift of 1.5 m or part thereof.								
	1.6.1	All types of soils								
		Footing								
		F1	3	1.20	1.20	0.30	1.296			
						Total	1.296	Cum	26.5	34.344
3	1.17	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.								
		Qty. of E/W								
		F1	3	2.10	2.10	2.00	26.460			
						Total	26.46			
							26.460	Cum	65	1719.9
5	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								0
	2.1.1	Foundations, footings, bases of columns, plinth beam, curtain wall in any shape and size and all type of wall below plinth level.								0
		F1	3	1.50		0.25	1.125			0
						Total	1.125	Sqm	139	156.375
6	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								0
	3.1.3	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								0
		F1	3	1.20	1.20	0.10	0.432			0
						Total	0.432	Cum	2970	1283.04
	3.2.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								0
		F1	3	1.20	1.20	1.50	6.480			0
		C1	3	0.35	0.20	3.00	0.630			0
						Total	7.110	Cum	4163	29598.93
	3.12.1	Thermo-Mechanically treated bars FE 415				7.11cumx@100kg/cum	711.000	Kg	54.5	38749.5
7	7.4	Brick work with well burnt(open bhatta) clay brick of crushing strength not less then 20kg/sqcm and water absorption not more than 25 % in foundation and plinth								
		Cement mortar 1:6 (1 cement : 6 Coarse Sand)								
	7.4.1	W1	1	9.25	0.35	1.54	4.986	Cum	3263	16268.50225
		W2	1	9.25	0.22	1.54	3.134		3263	10225.9157
	11.3	Providing and making 15mm thick cement plaster on the rough side of single or half brick wall of mix								
	11.3.3	in cement Mortar 1:6 (1 cement : 6 fine sand)								
		2		9.25	3.20		59.200	sqm	107	6334.4
	9.6.	Steel work welded in built up section/ framed work including cutting ,hoisting ,fixing in position and applying coat of red oxide zind chromate primer.								
	9.6.2	in grating ,Frames,guard bar , ladder,railing, brackets, gates and similer works.								
		1		84.81	3.24 Kg per meter		274.78	Kg	68	18685.04
										124654.347
										12% of total Estimate For water supply for Horticulure
										14958
										Total 139612.347



GAJEEBO
 AT DORJA PARK
 RAJKISHOR NAGAR

AREA . 113 SQFT

STRUCTURE
 DETAILS

SIZE OF COLUMN 9' X 9'
 SIZE OF POLE 3' DIA
 THICKNESS OF POLE 14 GAUGE
 SIZE OF PIPE FOR ROOF COVER 1.5' SQUARE
 ALUMINUM PROFILE SHEET

Detailed Estimate for pond Beautification At Oorja Park rajkishor Nagar Bilaspur (C.G.)

DETAILS

S.No	SOR Item No.	Items of works	Measurement				Qty.	Unit	Rate	Amount
			No.	L	B	D/H				
1	1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	1.1.1	In all types of soils.	1	30.86	9.25	0.40	114.182			
						Total	114.182	185.00	21124.00	
2	1.2	Surface dressing of the ground including removing vegetation and making up undulations and in-equalities not exceeding 15 cms in depth/ height including disposal of rubbish upto 1.5 m lift and lead upto 50m (at least 5m away from the dressed area).	1	30.86	9.25		285.455	Sqm	7.20	2055.00
4	1.18	Providing and filling in plinth with sand/ Crusher dust and hard moorum under floor in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering, including dressing etc. complete.	1	30.86	9.25	0.20	57.091			
						Total	57.091	Cum	371.00	21181.00
6	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	3.1.3	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).								
		Pond	1	30.86	9.25	0.20	57.091			
		Path	1	30.86	1.50	0.10	4.629			
						Total	61.720	Cum	2970.00	183308.00
7	9.57	Providing stainless steel railing/grill made of S.S flats, hollow SS pipes or rectangular sections of approved designs fixing in stair case balcony or other places with metal fastner and stainless steel bolts etc. complete								
	9.57.1	SS Grade 204	1				548.990	Kg	467.00	256378.33
							Total	Total	484046.33	

**Detailed Estimate for Construction of Gajebo at Premises of Oorja park rajkishor
nagar Distt:Bialspur (C.G.)**

DETAILS

S.No	SOR Item No	Items of works	Measurement				Qty.	Rate	Amount	
			No.	L	B	D/H				
1	2	3	4	5	6	7	8	6	7	
1	1.1	Excavation for all types and sizes of foundations, trenches and drains or for any other purpose including disposal of excavated stuff upto 1.5 m lift and lead upto 50m (at least 5m away from the excavated area), including dressing and leveling of pits.								
	1.1.1	In all types of soils.	6	1.50	1.50	1.00	13.500	Cum	185.00	2498.00
	1.1.2	In ordinary rocks.	6	1.50	1.50	0.50	6.750	Cum	267.00	1802.00
2	3.1	Providing and laying nominal mix plain cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	3.1.3	1:3:6 (1 cement : 3 coarse sand : 6 graded stone aggregate 40mm nominal size).	6	1.50	1.50	0.15	2.025	Cum	2970.00	6014.00
	3.1.4	1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate 40mm nominal size).	1	10.00	0.20	0.10	0.200	Cum	3552.00	710.00
3	3.2	Providing and laying nominal mix reinforced cement concrete with crushed stone aggregate using concrete mixer in all works upto plinth level excluding cost of form work.								
	3.2.1	1:1½:3 (1 cement : 1½ coarse sand : 3 graded stone aggregate 20mm nominal size).								
		Column Footing	6	1.20	1.20	0.20	1.728			
			4x	$\frac{0.30}{3} \times \sqrt{1.44 + 0.2 + 1.44 \times 0.2}$			0.555			
		Column	6	0.20	0.30	1.54	0.554			
		Beam	1	9.25	0.20	0.40	0.740			
						TOTAL	3.577	Cum	4163.00	14893.00
4	3.12	Providing and placing in position reinforcement for R.C.C. work including straightening, cutting, bending, binding etc. complete as per drawings including cost of binding wire in foundation and plinth all complete:								
	3.12.1	Thermo-Mechanically treated bars FE 415				@ 100 Kg/Cum of RCC	357.740	Kg	54.50	19497.00
5	2.1	Providing and fixing form work including centring, shuttering, strutting, staging, propping bracing etc. complete and including its removal at all levels, for:								
	2.1.1	Foundations, footings, bases of columns plinth beam, curtain wall in any shape and size and all type of wall below plinth level.	6x6	1.20		0.20	8.640			
			2	10.00	0.40		8.000			
			1	10.00	0.20		16.640			
							33.280	Sqm	139	4626
6	7.5	Brick work with modular fly-ash lime bricks (FaLG Bricks) confirming to IS:12894-2002 of class designation 4.0 in foundation and plinth in:								
	7.5.4	Cement Mortar 1:6 (1 cement : 6 coarse sand)	1	10.00	0.20	1.80	3.600			
		Deduction of Column	6	0.20	0.30	1.80	0.648			
						TOTAL	4.248	Cum	3263.00	13861.00
8	11.2	Providing and making 12mm thick cement plaster of mix:								
	11.2.4	In Cement Mortar 1:6 (1 cement : 6 fine sand)	1	10.00		0.46	4.600			
			1	10.00	0.20		2.000			
						TOTAL	6.600	Sqm		
11	1.17	Filling from available excavated stuff (Excluding rock) in trenches, plinth, sides of foundation etc. in layers not exceeding 20cm in depth consolidating each deposited layer by ramming and watering with a lead upto 50 M. and lift upto 1.5 M.								
						As per Item No.1.1.1	13.500			
						As per Item No.1.1.2	6.750			
						TOTAL	20.250	Cum	65.00	1316.00

S.No	SOR Item No	Items of works	Measurement				Qty.	Rate	Amount	
			No.	L	B	D/H				
13	14.17	Painting exterior surface with TEXTURED exterior paint of required shade as per manufacturer's specifications to give protective and decorative finish including cleaning washing of surface etc. complete with:								
	14.17.1	On new work (Two or more coats applied @	3	1.5	3.50	1.80	28.350	Sqm	140.00	3969.00
14	10.13	Supply and fixing of precoated TILE PATTERN profile sheets of approved make ,colour, over all size ,corrugation shape and pitch ,having total coated thickness (TCT) 0.45 (aprox weight 4.9 kg/ sqm) with Zn-Al coating and superior paint and having yield strength of 550 Mpa .sheet should have protected guard film of 25 microns min. to avoid scratches while transportation. the sheet shall be fixed using self drilling/self tapping screw of size (5.5 x 55 mm)v with EPDM seal or with polymer coated J or L hooks ,bolts and nuts 8 mm diameter with bitumen and G.I limpet washer filled with lead complete upto and pitch excuding the cost of purlins , rafters and trusses and including cutting of size and shape wherever required.	1				12.5	Sqm	942.00	11775.00
15	9.2	Structural steel work riveted or bolted or welded in								
		45x45x5 ms square pipes	10	3.00	30.00	@3.40kg/m	102.00			
		ms pipe 80mm	6	3.00	18.00	@6.46kg/m	116.28			
		ms pipe 90mm	6	3.00	18.00	@7.41kg/m	133.38			
		ms pipe 125mm	6	3.00	18.00	@11.56kg/m	208.08			
						Total	559.74	kg	66.00	36943.00

TOTAL

117904

One lakh seventeen thousand nine hundred four