

ESTIMATE

[illegible]

Sl. No	Particulars	Unit	Box	No	L	B	D	Qty/Unit	Rate in Rs.	Amount in Rs.					
1	2	3	4	5	6	7	8	9	10	11					
	5918.00	710.16		6628.16											
3	2.2.1. Providing and laying in position Reinforced cement concrete for all Foundation works. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticizers laid in finished layers, well compacted using needle vibrators, including all lead & lifts, cost of all materials, quality confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20 Design Mix Using 20 mm nominal size graded crushed coarse aggregates. (PWD Schedule of Rates 2023-2024 Vol No.1, Page No:15, Item No:2.2.1)														
	Footing			1	x	0.50	x	0.50	x	0.575	=	0.14375			
		cum	1									0.14375			
		Nos		10								1.43750	cum	7323.10	10527.00
	Basic Rate	Scaffolding @4%			Total		AW @ 12%		Total						
	6184.00	251.48			6435.48		784.6176		7220.10						
4	2.4.2 Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necessary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately) M20Design Mix Using 20 mm nominal size graded crushed coarse aggregates. (PWD Schedule of Rates 2023-2024 Vol No.1, Page No:16, Item No:2.4.2)														
	Column			1	x	(0.35+0.25)/2	x	(0.35+0.25)/2	x	1	=	0.09000			
	Cap			1/3		0.25	x	0.25	x	0.05		0.00104			
		cum	1									0.09104			
		Nos		10								0.91042	cum	7789.94	7092.00
	Basic Rate	Scaffolding @10%			Total		AW @ 12%		Total						
	6221.00	622.1			6843.10		821.172		7664.27						
5	2.11 Steel Fabrication Supplying, fitting and placing TMT FE 550 / 550D Steel Reinforcement including cost of all materials, machinery, labour, cleaning, straightening, cutting, bending, hooking, laping/welding joints, tying with binding wire / soft annealed steel wire and other ancillary operations complete as per drawing and technical specification. (PWD Schedule of Rates 2023-2024 Vol No.1 Page No:18, Item No: 2.11h)														
Calculation Sheet for Steel											Calculation Sheet for Rings (RMTR)				
Calculation Sheet for Pillar	a) 10mm dia vertical bars		4	Nos.	Total length from Top to Bottom + Bent							Details	Particular	Nos.	RMTR
				=	1.6 + 0.08							8 mm dia meter 130 mm c/c bars 12 nos.	12 Rings (from bottom to top)	Ring No 1	1.4000
				=	1.68 RMTR									Ring No 2	1.3440
				=	4 X 1.68 =6.72 RMTR									Ring No 3	1.2880
				=	6.72 X 0.62 kg/m									Ring No 4	1.2360
	Total			=	4.17 kg									Ring No 5	1.1800
	b) 8 mm dia Rings		12	Nos.	Total RMTR of 12 Rings + Bent for Rings									Ring No 6	1.1280
				=	13.192 + 0.768									Ring No 7	1.0720
				=	13.96 RMTR									Ring No 8	1.0160
				=	13.96 X 0.39 kg/m							Ring No 9	0.9640		
	Total			=	5.44 kg							Ring No 10	0.9080		
	Grand Total (a+b)			=	9.61 Kg		tonne	0.00961		Ring No 11	0.8560				
Pillar	tonne		1									0.00961			
	Nos		10									0.09610	tonne	89621.28	8613.00
Basic Rate	AW @ 12%			Total											
80019.00	9602.28			89621.28											

