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BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: REPAIR/ REHABILITATION/ RETROFITTING/RENOVATION/REPLACEMENT AND EXPANSION OF EXTENSION BUILDING SERVICES
 LOCATION: CatSU Main Campus, Virac, Catanduanes
 ITEM No. XII
 DESCRIPTION: REINFORCING STEEL BARS
 TOTAL QUANTITY: 101,656.51
 UNIT: kgs.

A.	LABOR	No. of Person	No. of Days	Daily Rate	Amount
	Construction Foreman				
	Skilled Laborer				
	Common Laborer				
Sub-Total for A (Cost of Labor)					-

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	Bar Cutter				
	Bar Bender 42mm				
	Submersible Waterpump (for foundation)				
Sub-Total for B (Cost of Equipment Rental)					-

C.	Total (A+B)				
D.	Output per hour				
E.	Direct Unit Cost (C + D)				

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
Materials					
F.1 Isolated Foundation					
	67 - 20mmØ x 9.0m RSB Grade 40	kgs	1,489.38		
	156 - 20mmØ x 6.0m RSB Grade 40	kgs	2,308.80		
	17 - 16mmØ x 6.0m RSB Grade 40	kgs	161.16		
	# 16 G.I. Tie Wire	kgs	23.00		
F.2 Column (From Foundation to Roof)					
	324 - 20mmØ x 7.5m RSB Grade 40	kgs	6003.72		
	216 - 20mmØ x 6.0m RSB Grade 40	kgs	3196.80		
	340 - 16mmØ x 7.5m RSB Grade 40	kgs	4029.00		
	194 - 16mmØ x 6.0m RSB Grade 40	kgs	1839.12		
	1334 - 12mmØ x 6.0m RSB Grade 40	kgs	7123.56		
	1350 - 10mmØ x 6.0m RSB Grade 40	kgs	4995.00		
	# 16 G.I. Tie Wire	kgs	322.00		
F.3 Ground Floor Beams and Girder					
	144 - 20mmØ x 9.0m RSB Grade 40	kgs	3201.12		
	221 - 20mmØ x 7.50m RSB Grade 40	kgs	4095.13		
	138 - 20mmØ x 6.0m RSB Grade 40	kgs	2042.40		
	535 - 10mmØ x 6.0m RSB Grade 40	kgs	1979.50		

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# 16 G.I. Tie Wire	kgs	97.00		
F.4 Second Floor Beams and Girder				
61 - 25mmØ x 9.0m RSB Grade 40	kgs	2115.48		
23 - 20mmØ x 7.5m RSB Grade 40	kgs	664.70		
40 - 25mmØ x 6.0m RSB Grade 40	kgs	924.80		
140 - 20mmØ x 9.0m RSB Grade 40	kgs	3112.20		
209 - 20mmØ x 7.5m RSB Grade 40	kgs	3872.77		
177 - 20mmØ x 6.0m RSB Grade 40	kgs	2619.60		
25 - 16mmØ x 9.0m RSB Grade 40	kgs	355.50		
40 - 16mmØ x 7.5m RSB Grade 40	kgs	474.00		
41 - 16mmØ x 6.0m RSB Grade 40	kgs	388.68		
969 - 10mmØ x 6.0m RSB Grade 40	kgs	3585.30		
# 16 G.I. Tie Wire	kgs	153.00		
F.5 Roof Beam and Girder				
8 - 25mmØ x 6.0m RSB Grade 40	kgs	184.96		
62 - 20mmØ x 9.0m RSB Grade 40	kgs	1378.26		
51 - 20mmØ x 7.5m RSB Grade 40	kgs	945.03		
61 - 20mmØ x 6.0m RSB Grade 40	kgs	902.80		
122 - 16mmØ x 9.0m RSB Grade 40	kgs	1734.84		
150 - 16mmØ x 7.5m RSB Grade 40	kgs	1777.50		
153 - 16mmØ x 6.0m RSB Grade 40	kgs	1450.44		
821 - 10mmØ x 6.0m RSB Grade 40	kgs	3037.70		
# 16 G.I. Tie Wire	kgs	109.00		
F.6 Roofdeck Slab				
349 - 10mmØ x 9.00m RSB Grade 40	kgs	1936.95		
866 - 10mmØ x 7.50m RSB Grade 40	kgs	4026.90		
1131 - 10mmØ x 6.0m RSB Grade 40	kgs	4184.70		
# 16 G.I. Tie Wire	kgs	175.00		
F.7 Second Floor Slab				
381 - 10mmØ x 9.0m RSB Grade 40	kgs	2114.55		
765 - 10mmØ x 7.5m RSB Grade 40	kgs	3557.25		
1,364 - 10mmØ x 6.0m RSB Grade 40	kgs	5046.80		
# 16 G.I. Tie Wire	kgs	200.00		
F.8 Slab on Grade				
71 - 10mmØ x 7.5m RSB Grade 40	kgs	330.15		
560 - 10mmØ x 6.0m RSB Grade 40	kgs	2072.00		
# 16 G.I. Tie Wire	kgs	25.00		
F.9 Concrete Ramp				
126 - 10mmØ x 6.0m RSB Grade 40	kgs	466.20		
# 16 G.I. Tie Wire	kgs	7.00		

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F.10 150mm thk. RC Wall Supporting Concrete Ramp			
54	- 10mm ϕ x 6.0m RSB Grade 40	kgs	199.80
# 16 G.I. Tie Wire		kgs	3.00
F.11 Wall Footing -1 (WF-1) Total Length, L = 104.216 m			
92	- 10mm ϕ x 6.0m RSB Grade 40	kgs	340.40
# 16 G.I. Tie Wire		kgs	8.00
F.12 Wall Footing -2 (WF-2) Total Length, L = 40.14 m			
57	- 10mm ϕ x 6.0m RSB Grade 40	kgs	210.90
# 16 G.I. Tie Wire		kgs	5.00
F.13 Wall Footing @ Entrance Total Length, L = 7.9 m			
11	- 10mm ϕ x 6.0m RSB Grade 40	kgs	40.70
# 16 G.I. Tie Wire		kgs	2.00
F.14 Fire Exit Stair near grid 1 (incl. stair footing SF-1)			
20	- 12mm ϕ x 6.0m RSB Grade 40	kgs	106.80
32	- 10mm ϕ x 6.0m RSB Grade 40	kgs	118.40
# 16 G.I. Tie Wire		kgs	5.00
F.15 Fire Exit Stair near grid A (incl. stair footing SF-2)			
33	- 12mm ϕ x 6.0m RSB Grade 40	kgs	176.22
32	- 10mm ϕ x 6.0m RSB Grade 40	kgs	118.40
# 16 G.I. Tie Wire		kgs	5.00
F.16 Main Stair			
56	- 16mm ϕ x 6.0m RSB Grade 40	kgs	530.88
54	- 12mm ϕ x 6.0m RSB Grade 40	kgs	288.36
24	- 10mm ϕ x 6.0m RSB Grade 40	kgs	88.80
# 16 G.I. Tie Wire		kgs	10.00
F.17 Concrete Louver			
28	- 16mm ϕ x 6.0m RSB Grade 40	kgs	265.44
103	- 10mm ϕ x 6.0m RSB Grade 40	kgs	381.10
# 16 G.I. Tie Wire		kgs	5.00
F.18 Concrete Ledge @ Windows			
14	- 16mm ϕ x 6.0m RSB Grade 40	kgs	74.76
63	- 10mm ϕ x 6.0m RSB Grade 40	kgs	233.10
# 16 G.I. Tie Wire		kgs	5.00
F.19 Decorative Columns & Ledge @ Entrance			
88	- 16mm ϕ x 6.0m RSB Grade 40	kgs	834.24
128	- 10mm ϕ x 6.0m RSB Grade 40	kgs	473.60
# 16 G.I. Tie Wire		kgs	12.00