

## BREAKDOWN OF DETAILED ESTIMATE

PROJECT NAME: COMPLETION OF UNIVERSITY SPORTS & CULTURAL CENTER (GRANDSTAND BUILDING B)  
 LOCATION: CatSU Main Campus, Virac, Catanduanes

ITEM No. XI  
 DESCRIPTION: REINFORCING STEEL BARS  
 TOTAL QUANTITY: 60,401.74  
 UNIT: kgs.

# 16 G.I. Tie Wire	kgs	110.00	
<b>4. Second Floor beams, Bleachers Beams &amp; Girders, Slab, Zocallo Lower and Rear Canopies, Drop walls</b>			
49 - 25mmØ x 9.0m RSB Grade 40	kgs	1699.32	
11 - 25mmØ x 7.5m RSB Grade 40	kgs	317.90	
7 - 25mmØ x 6.0m RSB Grade 40	kgs	161.84	
84 - 20mmØ x 9.0m RSB Grade 40	kgs	1867.32	
36 - 20mmØ x 7.5m RSB Grade 40	kgs	667.08	
20 - 20mmØ x 6.0m RSB Grade 40	kgs	296.00	
182 - 16mmØ x 9.0m RSB Grade 40	kgs	2588.04	
173 - 16mmØ x 7.5m RSB Grade 40	kgs	2050.05	
79 - 16mmØ x 6.0m RSB Grade 40	kgs	748.92	
22 - 12mmØ x 6.0m RSB Grade 40	kgs	117.48	
326 - 10mmØ x 7.5m RSB Grade 40	kgs	1515.90	
2720 - 10mmØ x 6.0m RSB Grade 40	kgs	10064.00	
# 16 G.I. Tie Wire	kgs	385.00	
<b>5. Columns</b>			
<b>Casted Column (from foundation up to bottom of grade beam)</b>			
C1 = 12 sets			
C5 = 1 set			
<b>Remaining balance of Reinforcement to be install</b>			
24 - 20mmØ x 9.0m RSB Grade 40	kgs	533.52	
10 - 20mmØ x 7.5m RSB Grade 40	kgs	185.30	
21 - 20mmØ x 6.0m RSB Grade 40	kgs	310.80	
300 - 10mmØ x 6.0m RSB Grade 40	kgs	1110.00	
# 16 G.I. Tie Wire	kgs	57.00	
<b>Not Casted Column</b>			
C1 = 3 sets			
C2 = 7 sets			
C3 = 2 sets			
C4 = 7 sets			
<b>Reinforcement</b>			
157 - 20mmØ x 9.0m RSB Grade 40	kgs	3490.11	
81 - 20mmØ x 7.5m RSB Grade 40	kgs	1500.93	
124 - 20mmØ x 6.0m RSB Grade 40	kgs	1835.20	
980 - 10mmØ x 6.0m RSB Grade 40	kgs	3626.00	
# 16 G.I. Tie Wire	kgs	170.00	
<b>6. Roof Beams and Girders</b>			
12 - 25mmØ x 9.0m RSB Grade 40	kgs	416.16	
43 - 20mmØ x 9.0m RSB Grade 40	kgs	955.89	
73 - 20mmØ x 7.5m RSB Grade 40	kgs	1352.69	
74 - 20mmØ x 6.0m RSB Grade 40	kgs	1095.20	
72 - 16mmØ x 9.0m RSB Grade 40	kgs	1023.84	
53 - 16mmØ x 7.5m RSB Grade 40	kgs	628.05	
46 - 16mmØ x 6.0m RSB Grade 40	kgs	436.08	



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509	- 10mm $\phi$ x 6.0m RSB Grade 40	kgs	1883.30	
	# 16 G.I. Tie Wire	kgs	163.00	
<b>7. Roof Deck Slab, Canopy @ front and Drop wall</b>				
433	- 10mm $\phi$ x 9.0m RSB Grade 40	kgs	2403.15	
893	- 10mm $\phi$ x 7.5m RSB Grade 40	kgs	4152.45	
371	- 10mm $\phi$ x 6.0m RSB Grade 40	kgs	1372.70	
	# 16 G.I. Tie Wire	kgs	175.00	
<b>8. Retaining Wall + Footing (RW-1)</b>				
185	- 12mm $\phi$ x 9.0m RSB Grade 40	kgs	1483.70	
61	- 12mm $\phi$ x 6.0m RSB Grade 40	kgs	325.74	
280	- 10mm $\phi$ x 6.0m RSB Grade 40	kgs	1036.00	
	# 16 G.I. Tie Wire	kgs	40.00	
<b>9. Wall footing (WF-2)</b>				
72	- 10mm $\phi$ x 6.0m RSB Grade 40	kgs	266.40	
	# 16 G.I. Tie Wire	kgs	7.00	
<b>10. Concrete Fascia</b>				
28	- 16mm $\phi$ x 6.0m RSB Grade 40	kgs	265.44	
35	- 10mm $\phi$ x 6.0m RSB Grade 41	kgs	129.50	
	# 16 G.I. Tie Wire	kgs	7.00	
<b>Sub-Total for C (Material Cost)</b>				-

<b>D</b>	Direct Unit Cost	(A + B + C)	
<b>E</b>	Overhead, Contingencies & Misc. (OCM)	___ % of D	
<b>F</b>	Contractor's Profit	___ % of D	
<b>G</b>	VAT	___ % (D + E + F)	
<b>H</b>	<b>ITEM TOTAL</b>	<b>(D + E + F + G)</b>	

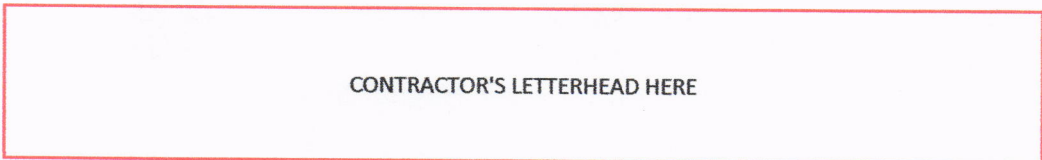
<b>I</b>	<b>TOTAL UNIT COST</b>	<b>(H / Total Qty) ----</b>	
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\_\_\_\_\_  
Signature

\_\_\_\_\_  
in the capacity of

Duly authorized to sign the Bid and on behalf of \_\_\_\_\_

*Go*



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**ITEM No.** XII  
**DESCRIPTION:** STRUCTURAL CONCRETE  
**TOTAL QUANTITY:** 478.63  
**UNIT:** cu.m

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

B.	EQUIPMENT	No. of Units	No. of Hours	Hourly Rate	Amount
	One Bagger Mixer				
	Transit Mixer, 5 - 6 yd <sup>3</sup>				
	Porta Lift				
	Concrete Vibrator				
	Submersible Waterpump (for foundation)				
<b>Sub-Total for B (Cost of Equipment Rental)</b>					-

C.	Name and Specification	Unit	Quantity	Unit Cost	Amount
	<b>Materials</b>				
	<b>1. Foundation</b>				
	Portland Cement	bags	290.00		
	Washed Aggregates	cu.m	16.10		
	Crushed Gravel	cu.m	32.2		
	<b>2. Column</b>				
	Portland Cement	bags	396.00		
	Washed Aggregates	cu.m	22.00		
	Crushed Gravel	cu.m	44.00		
	<b>3. Ground Beam &amp; Girder</b>				
	Portland Cement	bags	603.00		
	Washed Aggregates	cu.m	33.49		
	Crushed Gravel	cu.m	66.97		
	<b>4. Slab On Ground Level, perimeter main entrance slab w/ stairs and Ramp</b>				
	Portland Cement	bags	608.00		
	Washed Aggregates	cu.m	33.75		
	Crushed Gravel	cu.m	67.50		
	<b>5. 2nd Flr. Beams, Girders, Bleacher, Canopy slab, Drop wall &amp; Concrete Facia</b>				
	Portland Cement	bags	1409.00		
	Washed Aggregates	cu.m	78.24		
	Crushed Gravel	cu.m	156.47		

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