

No. BRACU-NCP/2019/79A

Dated: 01 August 2019

Mr. Wang Liyi
Executive Project Manager
BUCG-ABC JV

Subject: Resubmission of Quantity Details for First Batch Prefabricated Steel Structure

Reference:

A. BUCG-ABC JV/BRACU/76/19 dated 11 July 2019.

1. After analyzing the quantity details of first batch prefabricated steel structure for Brac University New Campus project submitted vide reference 'A', by the Engineering team, following deviation has been found:


Quantity calculated by BUCG-ABC JV	Quantity calculated by the Engineering Team	Deviation found	Remarks
543.664.99 KGs	516,346.99 KGs	27318.00 KGs	Summary of the calculation is in <i>Attachment-1</i>

2. Detail calculation of one column is attached herewith (*Attachment-2*) for your understanding as instance. **Actual weight of the sections are considered as the items are prefabricated built-up section as per contract.**

3. This is for your information and further necessary action.

Thanking you,

For BRAC University


Syed Mazbahul Morshad
Chief Engineer, BRAC and
The Engineer
BRAC University New Campus Project



Received By
Song Feng tan



Attachment: As stated.

Copy to:

1. Treasurer, BRAC University
2. Project Director, BRACU New Campus Project
3. Chairman, ABC
4. Office Copy

1/08/2019

First Batch Components Detailed List of Prefabricated Steel Structure

Project: BRAC University New Campus Development

S/No.	Assembly No.	Number	Description	Quantity (Kg)	Contract BOQ NO.	Size(mm)	Status	Remarks
1	BU-MS-1Y-1	1	Section			6600*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	12483.56	5.2.3.1			
			Node weight Kg)	4120.06	5.2.4			
2	BU-MS-1Y-3	2	Section			6050*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	38219.08	5.2.3.2			
			Node weight Kg)	7287.2	5.2.3.2			
3	BU-MS-1Y-4	2	Section			6300*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	20005.4	5.2.3.1			
			Node weight Kg)	8300.94	5.2.4			
4	BU-MS-1Y-6	1	Section			6300*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	9037.06	5.2.3.1			
			Node weight Kg)	5255.88	5.2.4			
5	BU-MS-1Y-7	1	Section			6300*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	9037.06	5.2.3.1			
			Node weight Kg)	4789.09	5.2.4			
6	BU-MS-1Y-8	1	Section			6300*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	9037.06	5.2.3.1			
			Node weight Kg)	3530.47	5.2.4			
7	BU-MS-1Y-10	2	Section			6300*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	18074.12	5.2.3.1			
			Node weight Kg)	8331.32	5.2.4			
9	BU-MS-1Y-15	1	Section			6800*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	11838.91	5.2.3.1			
			Node weight Kg)	4900.55	5.2.4			
10	BU-MS-1Y-16	1	Section			6300*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	8063.72	5.2.3.1			
			Node weight Kg)	4980.97	5.2.4			
11	BU-MS-1Y-19	1	Section			6300*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	11910.92	5.2.3.1			
			Node weight Kg)	4873.41	5.2.4			
12	BU-MS-1Y-20	1	Section			6600*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	12483.56	5.2.3.1			
			Node weight Kg)	4120.06	5.2.4			
13	BU-MS-1Y-21	1	Section			6800*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	9761.18	5.2.3.1			
			Node weight Kg)	3530.47	5.2.4			
14	BU-MS-1Y-24	1	Section			6600*1350*1350	Arrived at site	
			Material grade					

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S/No.	Assembly No.	Number	Description	Quantity (Kg)	Contract BOQ NO.	Size(mm)	Status	Remarks
			Material weight (Kg)	8451.4	5.2.3.1	6600*1350*1350	Arrived at site	
			Node weight Kg)	3975.83	5.2.4			
15	BU-MS-1Y-25	1	Section			6600*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	12483.56	5.2.3.1			
			Node weight Kg)	3914.36	5.2.4			
16	BU-MS-1Y-29	1	Section			6800*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	6601.79	5.2.3.1			
			Node weight Kg)	3166.65	5.2.4			
17	BU-MS-1Y-30	1	Section			6600*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	6406.47	5.2.3.1			
			Node weight Kg)	3166.65	5.2.4			
18	BU-MS-1Y-31	1	Section			6300*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	6113.49	5.2.3.1			
			Node weight Kg)	2394.1	5.2.4			
19	BU-MS-1Y-33	1	Section			6600*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	6406.47	5.2.3.1			
			Node weight Kg)	2394.1	5.2.4			
20	BU-MS-1Y-34	2	Section			6300*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	23821.84	5.2.3.1			
			Node weight Kg)	7340.12	5.2.4			
21	BU-MS-1Y-35	1	Section			6600*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	12483.56	5.2.3.1			
			Node weight Kg)	2920.91	5.2.4			
22	BU-MS-1Y-36	1	Section			6800*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	8709.85	5.2.3.1			
			Node weight Kg)	2967.01	5.2.4			
23	BU-MS-1Y-38	1	Section			6600*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	12483.56	5.2.3.1			
			Node weight Kg)	3520.08	5.2.4			
24	BU-MS-1Y-39	1	Section			6600*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	12483.56	5.2.3.1			
			Node weight Kg)	3520.08	5.2.4			
25	BU-MS-1Y-41	2	Section			6600*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	24967.12	5.2.3.1			
			Node weight Kg)	7340.12	5.2.4			
26	BU-MS-1Y-42	1	Section			6300*1350*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	6113.49	5.2.3.1			
			Node weight Kg)	2394.1	5.2.4			

A Attachment -1

First Batch Components Detailed List of Prefabricated Steel Structure

Project: BRAC University New Campus Development


S/No.	Assembly No.	Number	Description	Quantity (Kg)	Contract BOQ NO.	Size(mm)	Status	Remarks
27	BU-MS-1PFC-1	4	Section			3525*1600*1350	Arrived at site	
			Material grade					
			Material weight (Kg)	59840.56	5.2.3.2			
			Node weight Kg)	13094.84	5.2.3.2			
28	Stud	566	M19*200	272.246	5.2.7			
29	Stud	19190	M25*150	12627.02	5.2.7			
Total			Material weight (Kg)	377,318.35				
			Node weight Kg)	126,129.37				
			Total (Kg)	516,346.99				

Q. Hossain
01.08.19.
Engr. Quazi Rebiul Hossain
Project Engineer
BRAC University New Campus

Attachment-2.

Column Identification : BU-MS-1Y-31

SL. No.	Section Name	Section Dimension	Quantity (Pcs)	Length (M)	Width h(M)	Thick(MM)	Dia(M)	Value of Pai	Area (M ²)	Circumference (M)	Unit Wt. (Kg/M ³)	Wt. (kg.)	Net Weight (Kg.)	Total Wt.(Kg)	BUCG Submitted Wt. (Kg.)
1.	bup - 144	PL20*135	4	0.250	0.135	20		3.142			7.850		5.299	21.195	21.2
	bup - 280		1					3.142			7.850				
	Full Area Wt.			1.950	1.950	30		3.142			7.850	895.489			
2.	Deducted Area Wt.	PL30*1950				30	1.350	3.142	1.432		7.850	337.136			
	Net Weight							3.142			7.850	558.353	558.353	558.353	895.49
	bup - 300		1												
	Full Area Wt.					30	1.289	3.142	1.305		7.850	307.357			
3.	Deducted Area Wt.	PL30*1289				30	0.500	3.142	0.196		7.850	46.246			
	Net Weight											261.111	261.111	261.111	391.38
4.	bup - 620	PL40*1950	1	1.950	1.950	40		3.142			7.850		1193.985	1193.985	1193.99
5.	bup - 636	PL30*1289	1										261.111	261.111	391.38
	bup - 647	PL25*190	2	1.350	0.190	25		3.142			7.850		50.338	100.676	100.68
7.	bup - 69	CHS30*1350	1	6.260		30	1.320	3.142		4.147	7.850		6114.280	6114.280	6113.49
Total Weight														8510.711	9107.61


 01.08.19.
 Engr. Quazi Robiul Hossain
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