

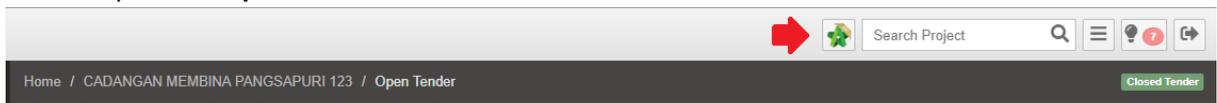
How To Prepare Rate Rationalization

Note: a) Consultant need to activate Project Addendum first before prepare Rate Rationalization. *(This is because system can detect the difference between original amount & rationalized amount)*

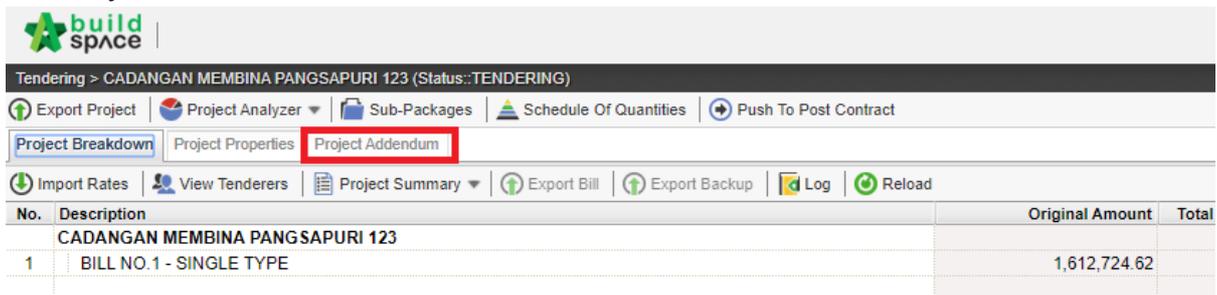
1. Click Project Title or Open Project



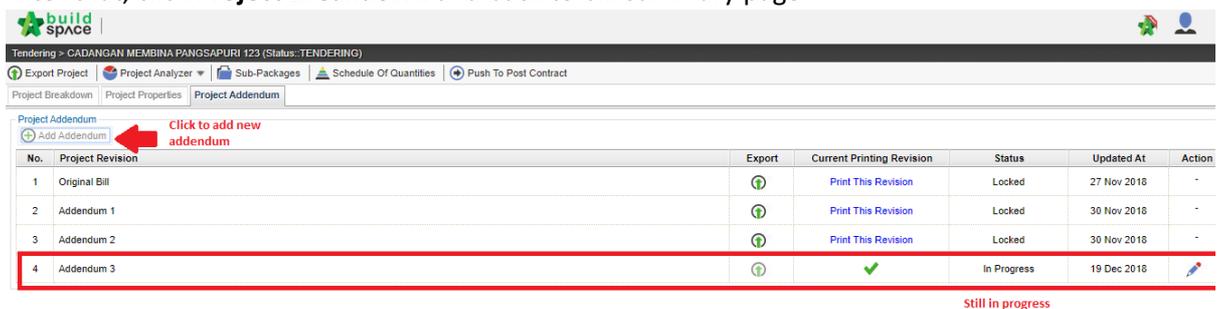
2. Click to open Buildspace Pro



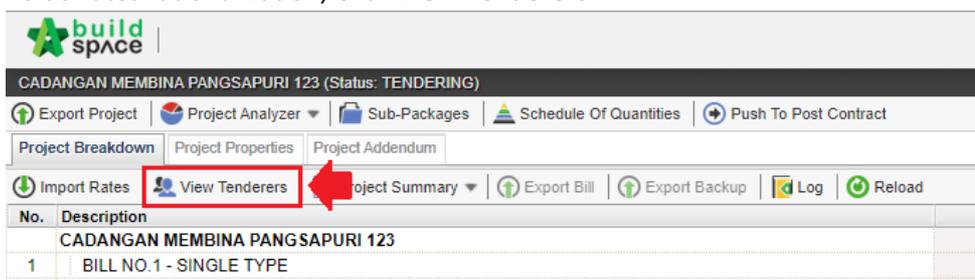
3. Click Project Addendum



4. Click **Add Addendum** and make sure the status of new added addendum is "In Progress". After that, click **Project Breakdown** and back to bill summary page.



5. To do rates rationalization, Click **View Tenderers**

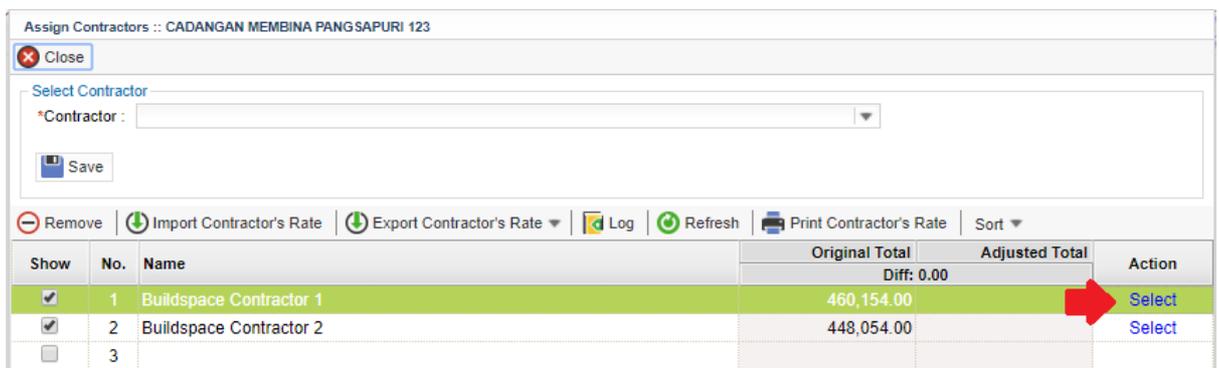


6. Click **Tenderer Setting**



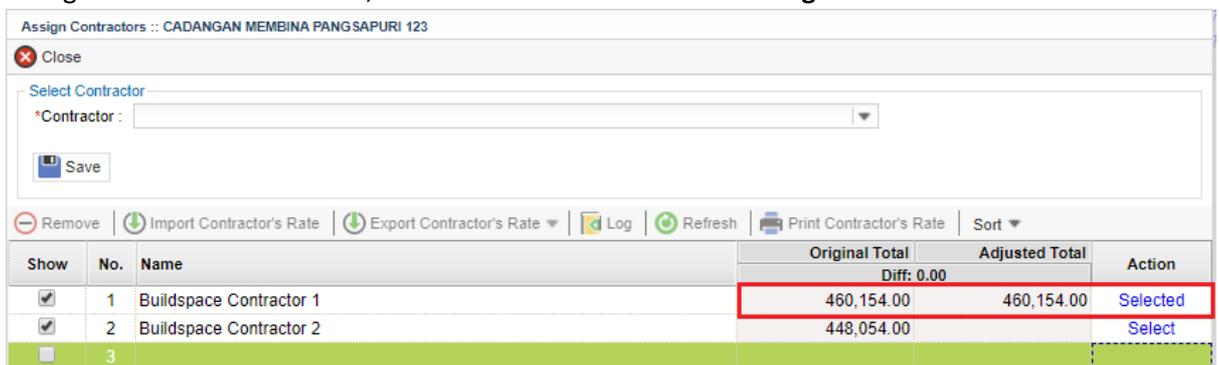
No.	Description
CADANGAN MEMBINA PANGSAPURI 123	
1	BILL NO.1 - SINGLE TYPE

7. Click **Select** to select the tenderer



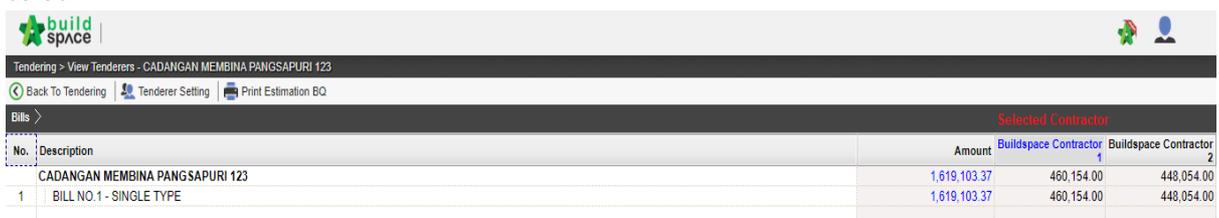
Show	No.	Name	Original Total	Adjusted Total	Action
Diff: 0.00					
<input checked="" type="checkbox"/>	1	Buildspace Contractor 1	460,154.00		Select
<input checked="" type="checkbox"/>	2	Buildspace Contractor 2	448,054.00		Select
<input type="checkbox"/>	3				

8. Once selected the tenderer, it will display **Original Total & Adjusted Total** and the action will change to **Selected**. After that, click **Close** to close **Tenderer Setting** tab.



Show	No.	Name	Original Total	Adjusted Total	Action
Diff: 0.00					
<input checked="" type="checkbox"/>	1	Buildspace Contractor 1	460,154.00	460,154.00	Selected
<input checked="" type="checkbox"/>	2	Buildspace Contractor 2	448,054.00		Select
<input type="checkbox"/>	3				

9. Once you closed **Tenderer Setting** tab, the selected tenderer's name will display in blue colour.



No.	Description	Amount	Buildspace Contractor 1	Buildspace Contractor 2
CADANGAN MEMBINA PANGSAPURI 123				
1	BILL NO.1 - SINGLE TYPE	1,619,103.37	460,154.00	448,054.00

10. Double click the **Bill No** to go **Element Level**

No.	Description	Amount	Buildspace Contractor 1	Buildspace Contractor 2
CADANGAN MEMBINA PANGSAPURI 123				
1	BILL NO.1 - SINGLE TYPE	1,619,103.37	460,154.00	448,054.00

11. Double click the **Element Level** to go **Item Level**

No	Description	Grand Total	Buildspace Contractor 1	Buildspace Contractor 2
1	Bill No. B.4/1 - WORK BELOW GROUND FLOOR LEVEL	631,018.27	423,204.00	382,047.00
2	Bill No. B.4/2 - FRAME	92,636.42	15,990.00	40,444.00
3	Bill No. B.4/3 - UPPER FLOORS	21,786.02	20,960.00	25,563.00

12. At **Item Level**, system will display **Consultant's PTE** and **Tenderers Rate** in one table. (Scroll to the right to view for tenderer rate)

No	Bill Ref	Description	Type	Unit	Grand Total Qty	Rate	Grand Total	Qty Re-measurement	Amount	Historical Rate
10		Concrete Grade 15, as specified, in,	HEAD 1							
11	1/1 F	50mm Blinding, under pile caps.	ITEM	m2	29.00	350.00	10,150.00			
12	1/1 G	50mm Blinding, under ground beams.	ITEM	m2	97.00	350.00	33,950.00			
13	1/1 H	50mm Blinding, under floors.	ITEM	m2	567.00	350.00	198,450.00			
14		Vibrated reinforced concrete Grade 30, as specified, in,	HEAD 1							
15	1/1 J	Pile caps	ITEM	m3	20.00	295.00	5,900.00			
16	1/1 K	Column stumps (Provisional)	ITEM	m3	9.00	295.00	2,655.00			
17	1/1 L	Ground Beams	ITEM	m3	56.00	295.00	16,520.00			
18	1/1 M	125mm Thick floors.	ITEM	m2	89.00	295.00	26,255.00			
19	1/1 N	150mm Thick floors.	ITEM	m2	478.00	295.00	141,010.00			
20		Hot rolled steel reinforcement (Mild steel, minimum yield stress 250N per sq. mm)	HEAD 1							
21	1/2 A	10mm Diameter, in column stumps (links) (Provisional)	ITEM	kg	1,231.00	3.22	3,963.82			
22	1/2 B	10mm Diameter, in ground beams (stirrups).	ITEM	kg	2,740.00	3.22	8,822.80			
23	1/2 C	6mm Diameter, in ground beams (stirrups).	ITEM	kg	206.00	3.30	679.80			
24	1/2 D	8mm Diameter, in ground beam (stirrups)	ITEM	kg	500.00	3.27	1,635.00			
25		Hot rolled steel deformed reinforcement (High yield 60, minimum yield stress 460N per sq. mm)	HEAD 1						Estimate rate by consultant	
26	1/2 E	20mm Diameter, in pile caps.	ITEM	kg	1,207.00	3.30	3,983.10			
27	1/2 F	16mm Diameter, in pile caps.	ITEM	kg	1,198.00	3.12	3,737.76			
28	1/2 G	10mm Diameter, in pile caps (binders) (Provisional)	ITEM	kg	286.00	3.22	920.92			
29	1/2 H	25mm Diameter, in column stumps (Provisional)	ITEM	kg	202.00	3.30	666.60			
30	1/2 J	20mm Diameter, in column stumps (Provisional)	ITEM	kg	321.00	3.30	1,059.30			
31	1/2 K	16mm Diameter, in column stumps (Provisional)	ITEM	kg	1,151.00	3.12	3,591.12			
32	1/2 L	12mm Diameter, in column stumps (Provisional)	ITEM	kg	102.00	3.30	336.60			
33	1/2 M	25mm Diameter, in ground beams.	ITEM	kg	2,433.00	3.30	8,028.90			
34	1/2 N	20mm Diameter, in ground beams.	ITEM	kg	3,229.00	3.30	10,655.70			
35	1/2 P	16mm Diameter, in ground beams.	ITEM	kg	902.00	3.12	2,814.24			

Type	Unit	Grand Total Qty	Rate	Grand Total	Rate by Tenderer	Rate	Grand Total	Rate	Grand Total
HEAD 1									
ITEM	m2	29.00	350.00	10,150.00		190.00	5,510.00	195.00	5,655.00
ITEM	m2	97.00	350.00	33,950.00		190.00	18,430.00	195.00	18,915.00
ITEM	m2	567.00	350.00	198,450.00		190.00	107,730.00	195.00	110,565.00
HEAD 1					Rate by Tenderer				
ITEM	m3	20.00	295.00	5,900.00		320.00	6,400.00	330.00	6,600.00
ITEM	m3	9.00	295.00	2,655.00		320.00	2,880.00	330.00	2,970.00
ITEM	m3	56.00	295.00	16,520.00		320.00	17,920.00	330.00	18,480.00
ITEM	m2	89.00	295.00	26,255.00		320.00	28,480.00	330.00	29,370.00
ITEM	m2	478.00	295.00	141,010.00		320.00	152,960.00	330.00	157,740.00

13. To adjust the rate from **selected** tenderer, press “Enter” to edit and press “Enter” again to save

Type	Unit	Grand Total Qty	Rate	Grand Total	Qty Re-measurement	Amount	Historical Rate	Rate	Grand Total	Rate	Grand Total
								Buildspace Contractor 1	Buildspace Contractor 2		
HEAD 1											
ITEM	m2	29.00	350.00	10,150.00				190.00	5,510.00	195.00	5,655.00
ITEM	m2	97.00	350.00	33,950.00				190.00	18,430.00	195.00	18,915.00
ITEM	m2	567.00	350.00	198,450.00				190.00	107,730.00	195.00	110,565.00
HEAD 1											
ITEM	m3	20.00	295.00	5,900.00				320.00000	6,400.00	330.00	6,600.00
ITEM	m3	9.00	295.00	2,655.00				320.00	2,880.00	330.00	2,970.00
ITEM	m3	56.00	295.00	16,520.00				320.00	17,920.00	330.00	18,480.00
ITEM	m2	89.00	295.00	26,255.00				320.00	28,480.00	330.00	29,370.00
ITEM	m2	478.00	295.00	141,010.00				320.00	152,960.00	330.00	157,740.00
HEAD 1											

14. Or can adjust the rate by trade. (This function only can be conducted if consultants used **Import Rate** function to prepare PTE). If no, please skip to step 22.

15. Click **Back To Tendering** to go front page

Type	Unit	Grand Total Qty	Rate	Grand Total	Qty Re-measurement	Amount	Historical Rate	Rate	Grand Total	Rate	Grand Total
								Buildspace Contractor 1	Buildspace Contractor 2		
HEAD 1											
ITEM	m2	29.00	350.00	10,150.00				190.00	5,510.00	195.00	5,655.00
ITEM	m2	97.00	350.00	33,950.00				190.00	18,430.00	195.00	18,915.00
ITEM	m2	567.00	350.00	198,450.00				190.00	107,730.00	195.00	110,565.00
HEAD 1											
ITEM	m3	20.00	295.00	5,900.00				320.00	6,400.00	330.00	6,600.00
ITEM	m3	9.00	295.00	2,655.00				320.00	2,880.00	330.00	2,970.00
ITEM	m3	56.00	295.00	16,520.00				320.00	17,920.00	330.00	18,480.00
ITEM	m2	89.00	295.00	26,255.00				320.00	28,480.00	330.00	29,370.00
ITEM	m2	478.00	295.00	141,010.00				320.00	152,960.00	330.00	157,740.00
HEAD 1											

16. Click **Project Analyzer** and choose **Schedule Of Rates Analysis**

CADANGAN MEMBINA PANGSAPURI 123 (Status: TENDERING)

Export Project | **Project Analyzer** | Sub-Packages | Schedule Of Quantities | Push To Post Contract

Project Breakdown | Resource Analysis | **Schedule Of Rates Analysis** | Primary | Export Bill | Export Backup | Log | Reload

No.	Description
	CADANGAN MEMBINA PANGSAPURI 123
1	BILL NO.1 - SINGLE TYPE

17. Double click **Schedule Of Rate** (It depends on which schedule of rate that used during pricing BQ used import rate)

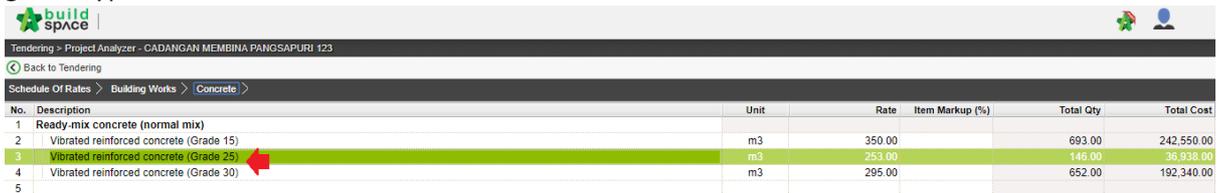
No.	Name	Total Cost
1	Building Works	531,345.38
2	UNSORTED	1,087,757.99
3		

18. List of trade, **double click the trade** to view the grade/type under this trade



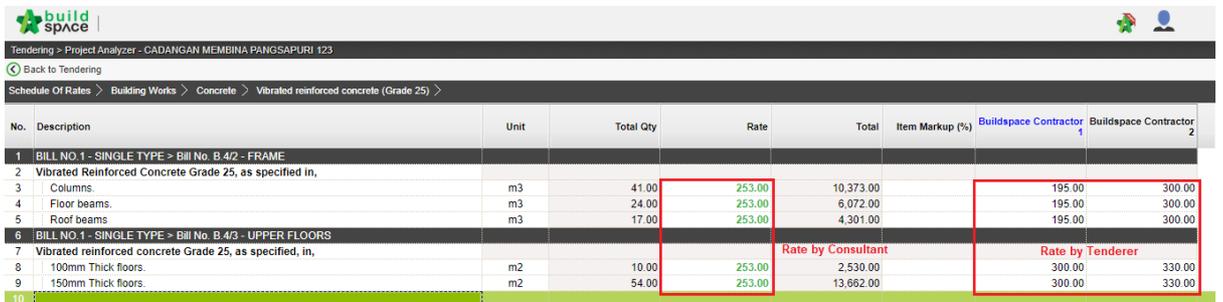
No.	Description	Total Cost
1	Concrete	471,828.00
2	Formwork	34,031.72
3	Barbending Work	25,485.66
4		

19. **Double click the grade/type** under the trade to know which bill, element and item used the grade/type



No.	Description	Unit	Rate	Item Markup (%)	Total Qty	Total Cost
1	Ready-mix concrete (normal mix)					
2	Vibrated reinforced concrete (Grade 15)	m3	350.00		693.00	242,550.00
3	Vibrated reinforced concrete (Grade 25)	m3	253.00		146.00	36,938.00
4	Vibrated reinforced concrete (Grade 30)	m3	295.00		652.00	192,340.00
5						

20. It will display **Consultant's PTE and Tenderer's rate** in one table



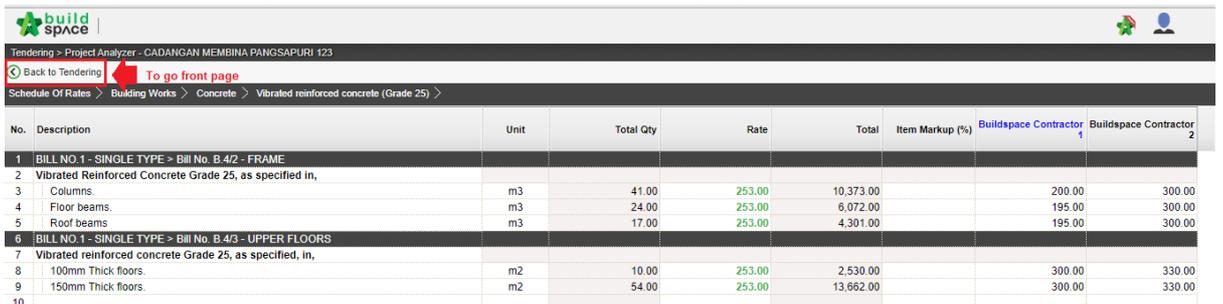
No.	Description	Unit	Total Qty	Rate	Total	Item Markup (%)	Buildspace Contractor 1	Buildspace Contractor 2
1	BILL NO.1 - SINGLE TYPE > Bill No. B.4/2 - FRAME							
2	Vibrated Reinforced Concrete Grade 25, as specified in,							
3	Columns.	m3	41.00	253.00	10,373.00		195.00	300.00
4	Floor beams.	m3	24.00	253.00	6,072.00		195.00	300.00
5	Roof beams	m3	17.00	253.00	4,301.00		195.00	300.00
6	BILL NO.1 - SINGLE TYPE > Bill No. B.4/3 - UPPER FLOORS							
7	Vibrated reinforced concrete Grade 25, as specified, in,							
8	100mm Thick floors.	m2	10.00	253.00	2,530.00		Rate by Tenderer	330.00
9	150mm Thick floors.	m2	54.00	253.00	13,662.00		Rate by Tenderer	330.00
10								

21. To adjust the selected tenderer rate, press **“Enter”** to edit and press **“Enter”** again to save



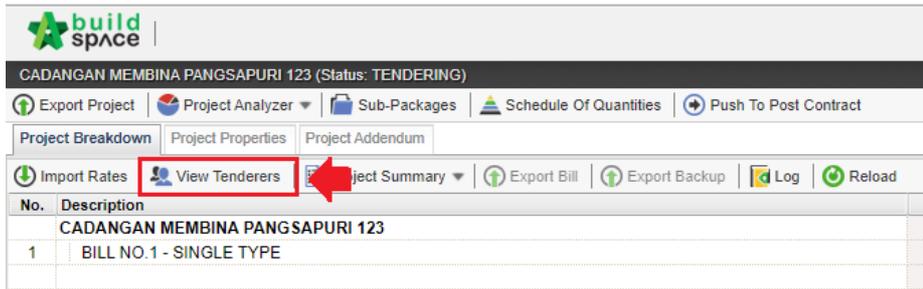
No.	Description	Unit	Total Qty	Rate	Total	Item Markup (%)	Buildspace Contractor 1	Buildspace Contractor 2
1	BILL NO.1 - SINGLE TYPE > Bill No. B.4/2 - FRAME							
2	Vibrated Reinforced Concrete Grade 25, as specified in,							
3	Columns.	m3	41.00	253.00	10,373.00		195.00000	300.00
4	Floor beams.	m3	24.00	253.00	6,072.00		195.00	300.00
5	Roof beams	m3	17.00	253.00	4,301.00		195.00	300.00
6	BILL NO.1 - SINGLE TYPE > Bill No. B.4/3 - UPPER FLOORS							
7	Vibrated reinforced concrete Grade 25, as specified, in,							
8	100mm Thick floors.	m2	10.00	253.00	2,530.00		300.00	330.00
9	150mm Thick floors.	m2	54.00	253.00	13,662.00		300.00	330.00
10								

22. After rationalized the rate, you can check the difference between **original total and adjusted(rationalized) total** by clicking **Back To Tendering** to go to front page



No.	Description	Unit	Total Qty	Rate	Total	Item Markup (%)	Buildspace Contractor 1	Buildspace Contractor 2
1	BILL NO.1 - SINGLE TYPE > Bill No. B.4/2 - FRAME							
2	Vibrated Reinforced Concrete Grade 25, as specified in,							
3	Columns.	m3	41.00	253.00	10,373.00		200.00	300.00
4	Floor beams.	m3	24.00	253.00	6,072.00		195.00	300.00
5	Roof beams	m3	17.00	253.00	4,301.00		195.00	300.00
6	BILL NO.1 - SINGLE TYPE > Bill No. B.4/3 - UPPER FLOORS							
7	Vibrated reinforced concrete Grade 25, as specified, in,							
8	100mm Thick floors.	m2	10.00	253.00	2,530.00		300.00	330.00
9	150mm Thick floors.	m2	54.00	253.00	13,662.00		300.00	330.00
10								

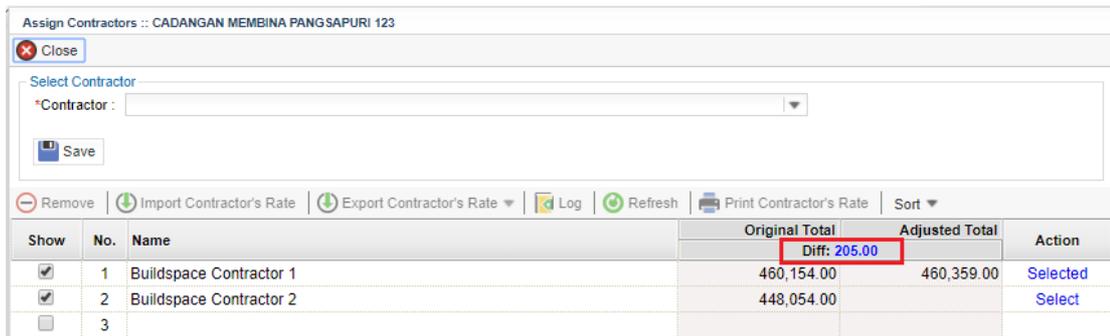
23. Click **View Tenderer**



24. Click **Tenderer Setting**



25. From here you can view the difference between **Original Total** and **Adjusted (Rationalized) Total**.



❖ **Consultant have to do adjustment until the different between Original Total with Adjusted Total is zero/equivalent.**

26. After rate rationalization, you can click at the selected tenderer's name, then click **Print Contractor's Rate** to print out the BQ or click at "Log" button to view the comparison between before rationalise & after rationalise rates.

