

# **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

27-Nov-2018 Malaysia , Putrajaya Standard
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2. Click to open Buildspace Pro

	Search Project	Q ≡ ?0 ↔
Home / CADANGAN MEMBINA PANGSAPURI 123 / Open Tender		Closed Tender

3. Click Project Addendum

-	space					
Tend	ering > CADANGAN MEMBINA PANGSAPURI 123 (Status::TENDERING)					
(† E	xport Project 🛛 🚭 Project Analyzer 🔻 📔 Sub-Packages 🛛 📥 Schedule Of Quantities 🛛 📀 Push To Post Contract					
Proje	Project Breakdown Project Properties Project Addendum					
(1) In	nport Rates   🤽 View Tenderers   🖹 Project Summary 🔻   💮 Export Bill   💮 Export Backup   🔯 Log   🥝 Reload					
No.	Description	Original Amount	Total			
	CADANGAN MEMBINA PANGSAPURI 123					
1	BILL NO.1 - SINGLE TYPE	1,612,724.62				

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.

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Tenderin	ig > CADANGAN MEMBINA PANGSAPURI 123 (Status::TENDERING)					
🕤 Ехро	rt Project   🚭 Project Analyzer 🔻   🕋 Sub-Packages   📥 Schedule Of Quantities   📀 Push To Post Contract					
Project E	Breakdown Project Properties Project Addendum					
Project	Addendum id Addendum addendum					
No.	Project Revision	Export	Current Printing Revision	Status	Updated At	Action
1	Original Bill	۲	Print This Revision	Locked	27 Nov 2018	-
2	Addendum 1	T	Print This Revision	Locked	30 Nov 2018	-
3	Addendum 2	T	Print This Revision	Locked	30 Nov 2018	-
4	Addendum 3	۲	<b>~</b>	In Progress	19 Dec 2018	ø
-				Still in progress		

5. To do rates rationalization, Click View Tenderers

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CADANGAN MEMBINA PANGSAPURI 123 (Status: TENDERING)								
🇊 Export Project   🥗 Project Analyzer 🔻   🕋 Sub-Packages   🚖 Schedule Of Quantities   📀 Push To Post Contract								
Proje	Project Breakdown Project Properties Project Addendum							
(1) Import Rates & View Tenderers oject Summary 🔻 🗇 Export Bill 🕥 Export Backup 🛛 🔯 Log 🖉 Reload								
No.	Description							
	CADANGA	N MEMBINA PANGSAPURI 123						
1	BILL NO	.1 - SINGLE TYPE						



# 6. Click Tenderer Setting

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Tend	Tendering > View Tenderers - CADANGAN MEMBINA PANGSAPURI 123							
OBack To Tendering		🖳 Tenderer Setting	t Estimation BQ					
Bills	>							
No.	Description							
	CADANGAN MEMBINA PANGSAPURI 123							
1	BILL NO.1 -	SINGLE TYPE						

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

Assign Contractors :: CADANGAN MEMBINA PANGSAPURI 123							
Select Contractor  *Contractor:  Save							
Remo	ve (	🕽 Import Contractor's Rate 🛛 🕔 Export Contractor's Rate 💌 🛛 🔂 Refresh	🚔 Print Contractor's Rate Sort 🔻				
Show	No.	Name	Original Total Adjusted Total Diff: 0.00	Action			
<b>v</b>		Buildspace Contractor 1	460,154.00	Select			
1	2	Buildspace Contractor 2	448,054.00	Select			
	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.

Assign Co	Assign Contractors :: CADANGAN MEMBINA PANG SAPURI 123							
😢 Close	😢 Close							
Select Contractor *Contractor:								
O Remo	ve 🤇	🕒 Import Contractor's Rate 🛛 🕘 Export Contractor's Rate 🔻 🛛 🔯 Log 🛛 🥝 Refresh	📑 Print Contractor's F	Rate Sort 🔻				
Show	No.	Name	Original Total	Adjusted Total	Action			
		Diff:	0.00	mouron				
1	1	Buildspace Contractor 1	460,154.00	460,154.00	Selected			
<b></b>	2	Buildspace Contractor 2	448,054.00		Select			

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

colour.

1	space						
Tend	ering > View Tenderers - CADANGAN MEMBINA PANGSAPURI 123						
🔇 Bi	🔇 Back To Tendering   🧶 Tenderer Setting   🚔 Print Estimation BQ.						
Bits > Selected Contractor							
No.	Description	Amount	Buildspace Contractor 1	Buildspa	ace Contractor 2		
	CADANGAN MEMBINA PANGSAPURI 123	1,619,103.37	460,154.00		448,054.00		
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** 

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Ten	lering > View Tenderers - CADANGAN MEMBINA PANGSAPURI 123						
<b>(</b> ) E	🔇 Back To Tendering 🗶 Tenderer Setting 🚔 Print Estimation BQ						
Bills	$\rangle$						
No.	Description	Amount	Buildspace Contractor 1	Buildspa	ce Contractor 2		
	CADANGAN MEMBINA PANGSABURI 123	1,619,103.37	460,154.00		448,054.00		
1	BILL NO. 1 - SINGLE TYPE Double click "Bill No."	1,619,103.37	460,154.00	I	448,054.00		

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

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Ten	Tendering > View Tenderers - CADANGAN MEMBINA PANGSAPURI 123						
🔇 Back To Tendering   🤽 Tenderer Setting   🚔 Print Estimation BQ							
Bills > Bill N0.1 - SINGLE TYPE >							
No	Description	Grand Total	Buildspace Contractor 1	Buildspace Contractor 2			
1	Bill No. B.4/1 - WORK BELOW GROUND FLOOR LEVEL Double the "Element"	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)

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Tende	ring > View Ter	nderers - CADANGAN MEMBINA PANGSAPURI 123								
🔇 Bad	k To Tendering	y 🤽 Tenderer Setting 📄 🚔 Print Estimation BQ								
Bills >	BILL NO.1 -	SINGLE TYPE > Bill No. B.4/1 - WORK BELOW GROUND FLOOR LEVEL >								
No	Bill Ref	Description	Туре	Unit	Grand Total Qty	Rate	Grand Total	Qty Re-measuremen	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	y 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			

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Tendering > View Tenderers - CADANGAN	MEMBINA PANG	SAPURI 12	23										
🔇 Back To Tendering 🛛 🤽 Tenderer Setti	ng 🛛 🖶 Print Es	timation BC	2										
Bills $ ightarrow$ BILL NO.1 - SINGLE TYPE $ ightarrow$ Bil	No. B.4/1 - WOR	K BELOW	GROUND FLOOR LEV	el >					Compar	ison rate from di	flerent tendere		
	Tune	Unit	Grand Tatal Oty	Data	Grand Total	Qty	Amount	Historical Data	Rate	Grand Total	Rate	Grand Total	
	Type	Unit	Grand Total Qty	Rate	Granu Total	Re-measurer	nent	historical Rate	Buildspace C	ontractor 1	Buildspace C	ontractor 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	
ified, in,	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	
num vield stress 250N per sg. mm)	HEAD 1												



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

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Tendering > View Tenderers - CADANGAN	MEMBINA PANG	SAPURI 1	23									
🔇 Back To Tendering 🛛 🤽 Tenderer Setti	ing 🛛 📥 Print Es	timation B	Q									
Bills > BILL NO.1 - SINGLE TYPE > Bil	I No. B.4/1 - WOR	RK BELOW	GROUND FLOOR LEV	el >								
	Tuno	Unit	Grand Total Oty	Data	Crand Total	Qty	Amount	Historical Data	Rate	Grand Total	Rate	Grand Total
	Type	Unit	Granu Total Qty	Rate	Gianu Totai	Re-mea	surement	nistorical Rate	Buildspace C	ontractor 1	Buildspace C	ontractor 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
fied, in,	HEAD 1											
			20.00		5,900.00		Press "Enter" to	type and press	320.00000			6,600.00
	ITEM	m3	9.00	295.00	2,655.00		"Enter" to save		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
ium yield stress 250N per sq. mm)	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

space											,	褬 🔔
Tendering > View Tenderers - CADAI	NGAN MEMBINA PANG	SAPURI 1	23									
🔇 Back To Tendering	er Setting 🛛 📥 Print Es	timation B	۵									
Bills > BILL NO.1 - SINGLE TYPE	> Bill No. B.4/1 - WOF	RK BELOW	GROUND FLOOR LEV	el >								
	Trees	11-14	Council Testal Obv	Dete	Cound Total	Qty	Amount	Historiaal Data	Rate	Grand Total	Rate	Grand Total
	Type	Unit	Grand Total Qty	Rate	Grand Total	Re-measurem	ent	historical Rate	Buildspace Co	ontractor 1	Buildspace Co	ontractor 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
ified, in,	HEAD 1											
	ITEM		20.00		5,900.00				320.00			
	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

16. Click Project Analyzer and choose Schedule Of Rates Analysis

1	space		
CAD	ANGAN MEM	BINA PANGSAPURI 123 (Status: TENDERING)	
TE:	xport Project	Schedule Of Quantities 💽 Push To Post Contract	
Proje	ect Breakdowr	n Resource Analysis um	
(1) In	mport Rates	Schedule Of Rates Analysis mary V Transmitter Bill Transmitter Bill Transmitter Backup Transmitter Backup Transmitter Backup	
No.	Description		
	CADANGA	N MEMBINA PANG SAPURI 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)

1	space	
Tend	tering > Project Analyzer - CADANGAN MEMBINA PANGSAPURI 123	0000000000000
🔇 B	ack to Tendering	
Sche	dule Of Rates >	
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



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

5'							
1	sprce					-	
Ten	lering > Project Analyzer - CADANGAN MEMBINA PANGSAPURI 123						
() E	ack to Tendering						
Sch	dule Of Rates > Building Works > Concrete >						
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					
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

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Ten	lering > Project Analyzer - CADANGAN MEMBINA PANGSAPURI 123							
	ack to Tendering							
Sche	edule Of Rates $ ightarrow$ Building Works $ ightarrow$ Concrete $ ightarrow$ Vibrated reinforced concrete (Grade 25) $ ightarrow$							
No.	Description	Unit	Total Qty	Rate	Total	ltem Markup (%)	Buildspace Contractor 1	Buildspace Contractor 2
1	BILL NO.1 - SINGLE TYPE > BII No. B.4/2 - FRAME				ĺ			
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,				Rate by Consultan	t	Rate by	Tenderer
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								

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

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Tend	lering > Project Analyzer - CADANGAN MEMBINA PANGSAPURI 12	13								ſ
🔇 B	ack to Tendering									
Sche	chedule Of Rates > Building Works > Concrete > Vibrated reinforced concrete (Grade 25) >									ſ
No.	Description		Unit	Total Qty	Rate	Total	ltem 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,	System auto filter which								
3	Columns.	item used the same rate during Consultant					Press "Enter" to	195.00000		
4	Floor beams.	prepare PTE and used	m3	24.00	253.00	6,072.00	type and press	195.00	300.00	
5	Roof beams	"Import Rate"	m3	17.00	253.00	4,301.00	"Enter" to save	195.00	300.00	
6	BILL NO.1 - SINGLE TYPE > Bill No. B.4/3 - UPPER FLOOR									
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

1	space							*	
Tend	lering > Project Analyzer - CADANGAN MEMBINA PANGSAPURI 123								
() B	ack to Tendering								
Sche	dule Of Rates > Building Works > Concrete > Vibrated reinforced concrete (Grade 25) >								
No.	Description	Unit	Total Qty	Rate	Total	ltem Markup (%)	Buildspace Contractor	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 > BII 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

1	space									
CAD	CADANGAN MEMBINA PANGSAPURI 123 (Status: TENDERING)									
() E	xport Project	Project Analyzer	🔻  Sub-Packages 🛛 📥 Schedule Of Quantities 🛛 📀 Push To Post Contract							
Proje	ect Breakdov	vn Project Properties	Project Addendum							
( <b>1</b> ) In	nport Rates	Lew Tenderers	ject Summary 🔻 🕜 Export Bill 🕜 Export Backup 🛛 🔯 Log 🛛 🤡 Reload							
No.	Description	1								
	CADANGA	AN MEMBINA PANG	SAPURI 123							
1	BILL NO	0.1 - SINGLE TYPE								

#### 24. Click Tenderer Setting

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Tend	Tendering > View Tenderers - CADANGAN MEMBINA PANGSAPURI 123									
🔇 Ba	ack To Tendering	🗶 Tenderer Setting	K	int Estimation BQ						
Bills	>									
No.	Description									
	CADANGAN M	EMBINA PANGSAPUI	RI 12	23						
1	BILL NO.1 - S	SINGLE TYPE								

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

Assign Co	ontracto	NYS :: CADANGAN MEMBINA PANGSAPURI 123			
- Select C *Contra	ontract	or	¥		
💾 Sa	ve				
igodot Remo	ve (	🕽 Import Contractor's Rate 🛛 🚯 Export Contractor's Rate 💌 🛛 🔞 Log 🛛 🕹 Refresh	喜 Print Contractor's Rate	Sort 💌	
Show	No.	Name	Original Total Diff: 205.00	Adjusted Total	Action
1	1	Buildspace Contractor 1	460,154.00	460,359.00	Selected
1	2	Buildspace Contractor 2	448,054.00		Select
	3				

- 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.

Assign Contractors :: Test open tender error 5									
😢 Close									
Select	ontra	or							
*Contra	actor :		Ŧ						
Cana Cana									
	i c								
Remo	ve	🕽 Import Contractor's Rate 🛛 🕘 Export Contractor's Rate 👻 🔯 Log 🕜 Refres	Print Contractor's Rate	Sort *					
Show	No.	Name	Original Total	Adjusted Total	Action				
-		ALIBABA CONSTRUCTION & DEVELOPMENT CORPORATION HOLDING	1						
~	1	SDN BHD	858,200.00	858,200.00	Selected				
	2								

Visit our forum & tutorials at <a href="http://forum.buildspace.my">http://forum.buildspace.my</a>