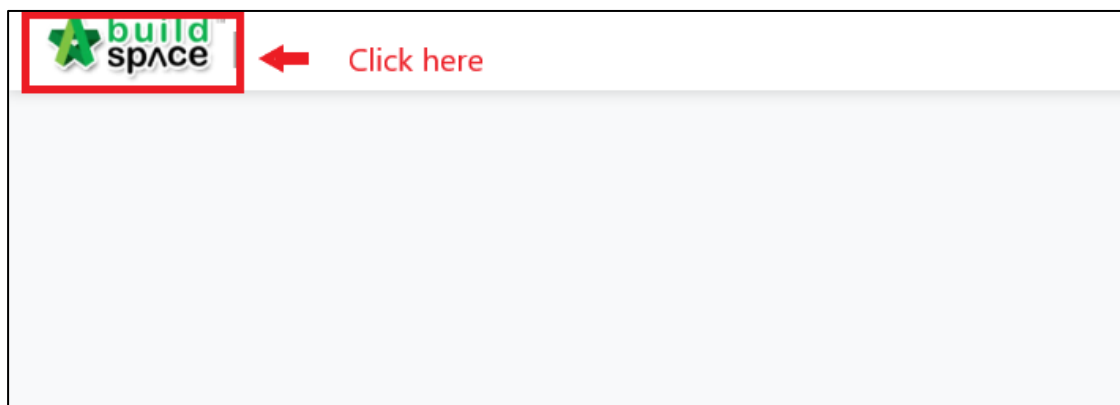


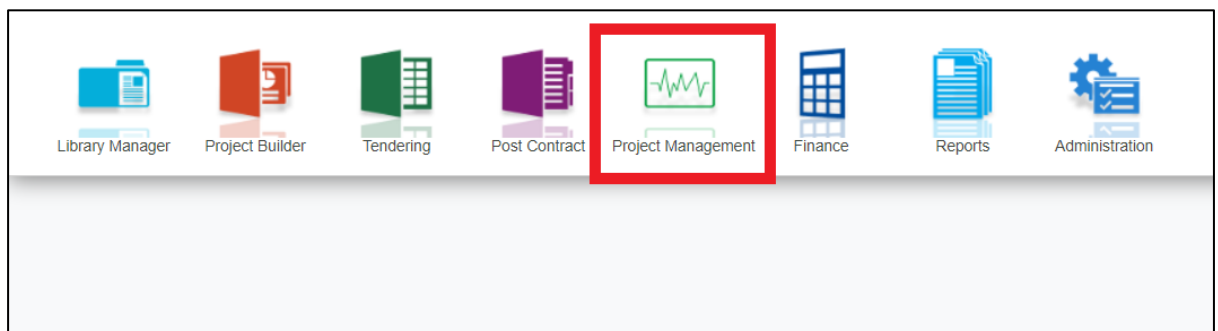
Project Scheduling

- Notes:**
1. Only those who have the access to Post Contract Module can access the Project Management Module.
 2. Only project that is in the Post Contract Stage can be used to create Project Scheduling in Project Management Module.

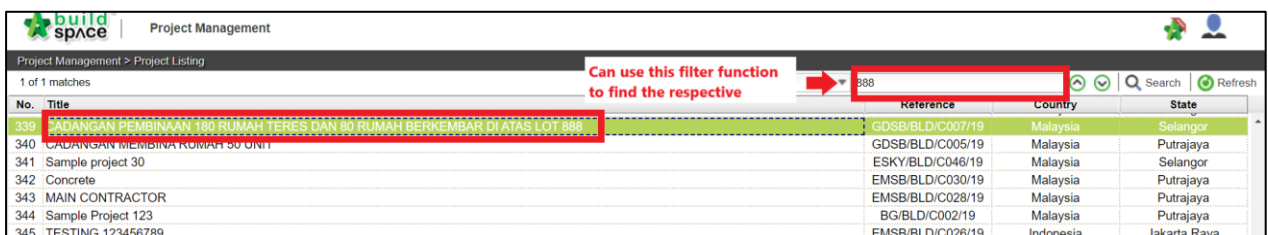
1. Login to **BuildSpace Pro** and click BuildSpace logo.



2. On the menu bar, click **“Project Management Module”**.



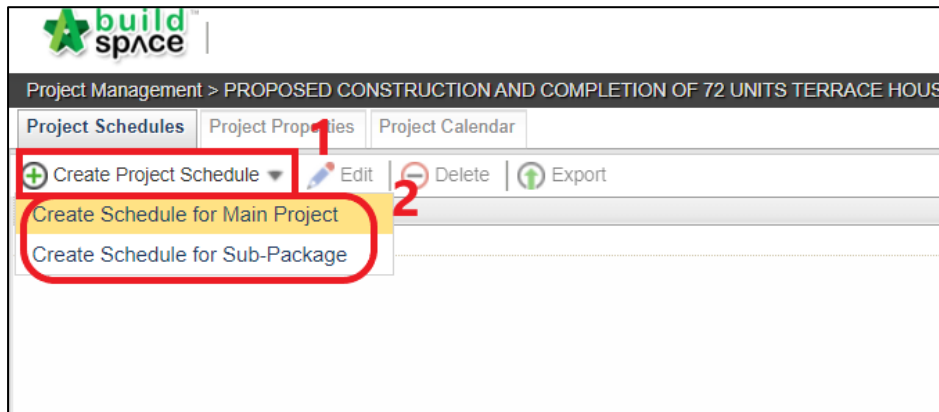
3. On the project listing, **double click** on the respective project. You can use the filter function on the top right to find your project quickly.



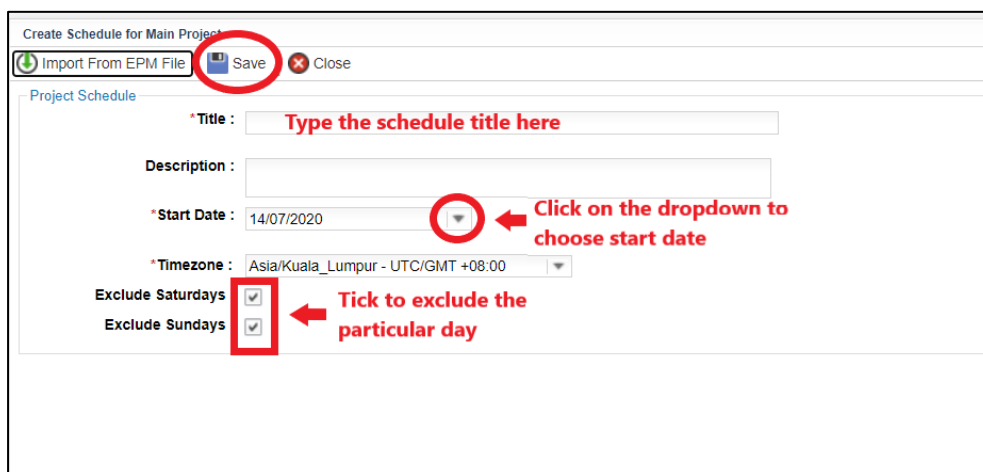
Can use this filter function to find the respective

No.	Title	Reference	Country	State
339	CADANGAN PEMBINAAN 180 RUMAH TERES DAN 80 RUMAH BERKEMBAR DI ATAS LOT 888	GDSB/BLD/C007/19	Malaysia	Selangor
340	CADANGAN MEMBINA RUMAH 50 UNIT	GDSB/BLD/C005/19	Malaysia	Putrajaya
341	Sample project 30	ESKY/BLD/C046/19	Malaysia	Selangor
342	Concrete	EMSB/BLD/C030/19	Malaysia	Putrajaya
343	MAIN CONTRACTOR	EMSB/BLD/C028/19	Malaysia	Putrajaya
344	Sample Project 123	BG/BLD/C002/19	Malaysia	Putrajaya
345	TESTING 123456789	EMSB/BLD/C026/19	Indonesia	Jakarta Raya

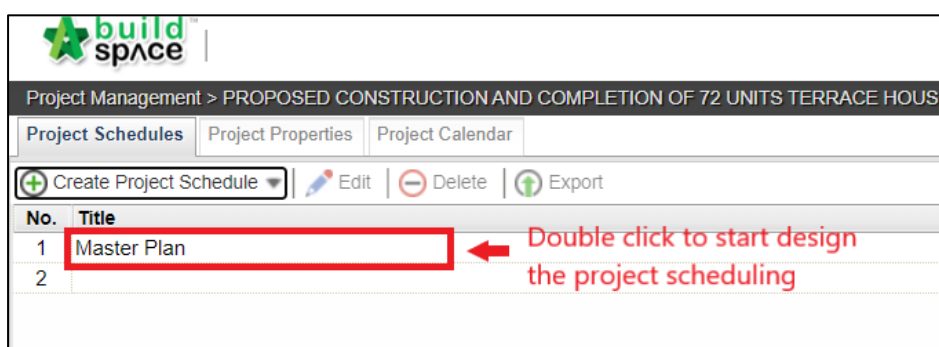
- Click on **“Create Project Schedule”**. Here you can choose either to create the project schedule for your main package or for sub-package.



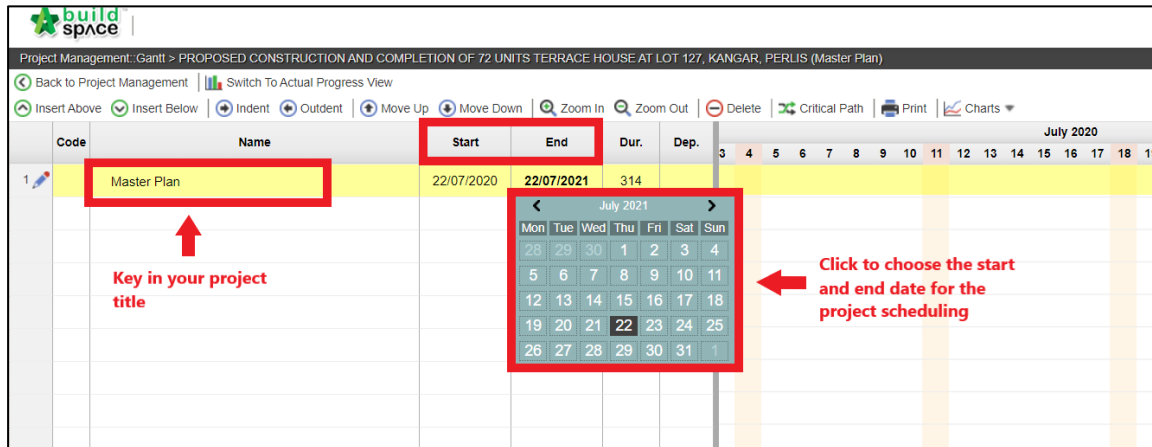
- Once you have chosen the option, fill in the required information as stated in the **pop-out box**. Click on the dropdown to choose the start date. You can either choose to exclude particular day by simply **tick** on the check box. Once you are done, click **“Save”**.



- Your newly created Project Schedule will appear on top of the list. **Double click** to start designing your project scheduling.



- On the top table, **key in the project scheduling title** and **set the start and end date** for the whole project scheduling. Click on the desired date on the pop out calendar to choose the date. System will auto calculate the **total duration** based on the start/end date chosen.



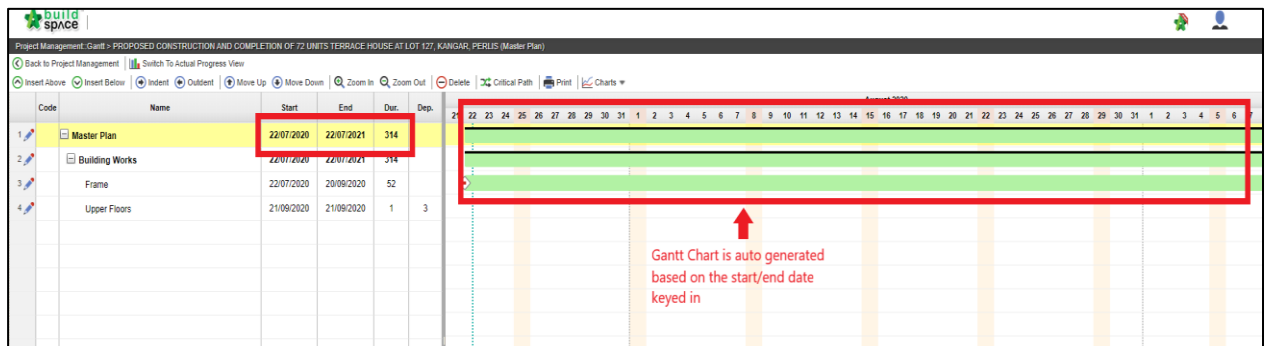
Project Management: Gantt > PROPOSED CONSTRUCTION AND COMPLETION OF 72 UNITS TERRACE HOUSE AT LOT 127, KANGAR, PERLIS (Master Plan)

Code	Name	Start	End	Dur.	Dep.
1	Master Plan	22/07/2020	22/07/2021	314	

Key in your project title

Click to choose the start and end date for the project scheduling

- System will auto generate the Gantt chart on the right which is highlighted in **green colour** as accordance to the dates stated.

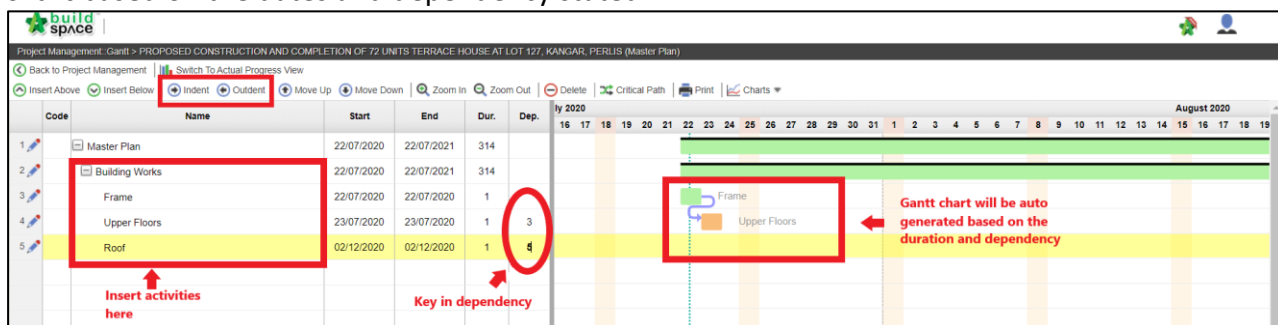


Project Management: Gantt > PROPOSED CONSTRUCTION AND COMPLETION OF 72 UNITS TERRACE HOUSE AT LOT 127, KANGAR, PERLIS (Master Plan)

Code	Name	Start	End	Dur.	Dep.
1	Master Plan	22/07/2020	22/07/2021	314	
2	Building Works	22/07/2020	22/07/2021	314	
3	Frame	22/07/2020	20/09/2020	52	
4	Upper Floors	21/09/2020	21/09/2020	1	3

Gantt Chart is auto generated based on the start/end date keyed in

- Key in activities under the project scheduling title. You can use the **indent/outdent** function to differentiate between type of works and elements. You can key in the **dependency** of the activities created as well. System will **auto generate the Gantt chart** based on the dates and dependency stated.



Project Management: Gantt > PROPOSED CONSTRUCTION AND COMPLETION OF 72 UNITS TERRACE HOUSE AT LOT 127, KANGAR, PERLIS (Master Plan)

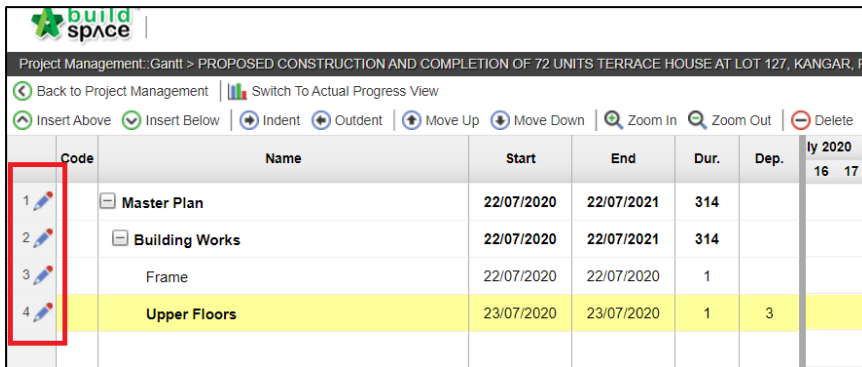
Code	Name	Start	End	Dur.	Dep.
1	Master Plan	22/07/2020	22/07/2021	314	
2	Building Works	22/07/2020	22/07/2021	314	
3	Frame	22/07/2020	22/07/2020	1	
4	Upper Floors	23/07/2020	23/07/2020	1	3
5	Roof	02/12/2020	02/12/2020	1	4

Insert activities here

Key in dependency

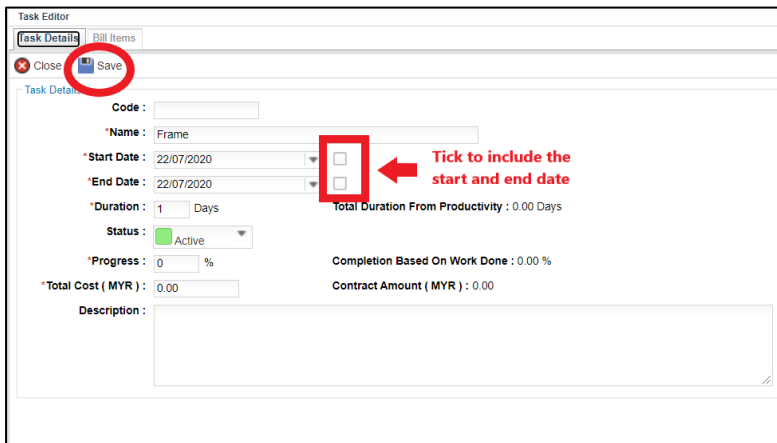
Gantt chart will be auto generated based on the duration and dependency

10. To **edit** the activity, click on the **pencil icon** next to the activity to go the “**Task Editor**”.



Code	Name	Start	End	Dur.	Dep.	ly 2020
1	Master Plan	22/07/2020	22/07/2021	314		16 17
2	Building Works	22/07/2020	22/07/2021	314		
3	Frame	22/07/2020	22/07/2020	1		
4	Upper Floors	23/07/2020	23/07/2020	1	3	

11. You can edit the details in the “**Task Editor**” accordingly. **Tick** on the start/end date to include the dates in the project scheduling. Once you are done, click “**Save**”.



Task Editor

Task Details | Bill Items

Close Save

Task Details

Code :

*Name : Frame

*Start Date : 22/07/2020

*End Date : 22/07/2020 **Tick to include the start and end date**

*Duration : 1 Days **Total Duration From Productivity : 0.00 Days**

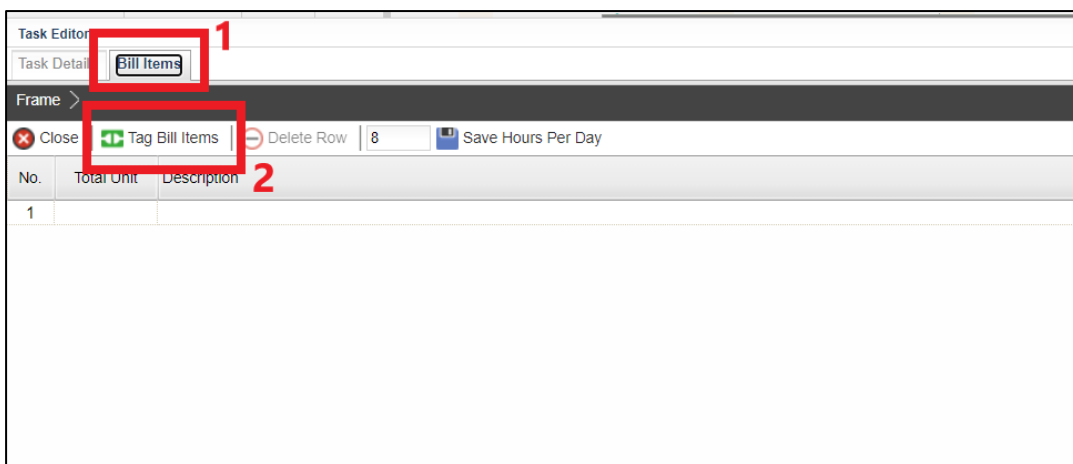
Status : Active

*Progress : 0 % **Completion Based On Work Done : 0.00 %**

*Total Cost (MYR) : 0.00 **Contract Amount (MYR) : 0.00**

Description :

12. To tag the project scheduling to the BQ items, click on the “**Bill Items**” and then Click on the “**Tag Bill Items**”.



Task Editor

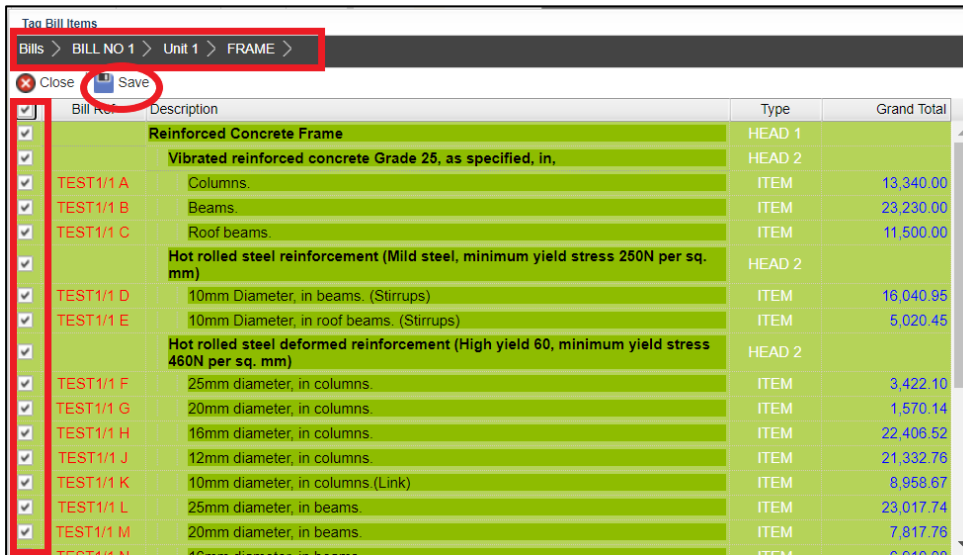
Task Details | **Bill Items** 1

Frame >

Close Tag Bill Items Delete Row 8 Save Hours Per Day

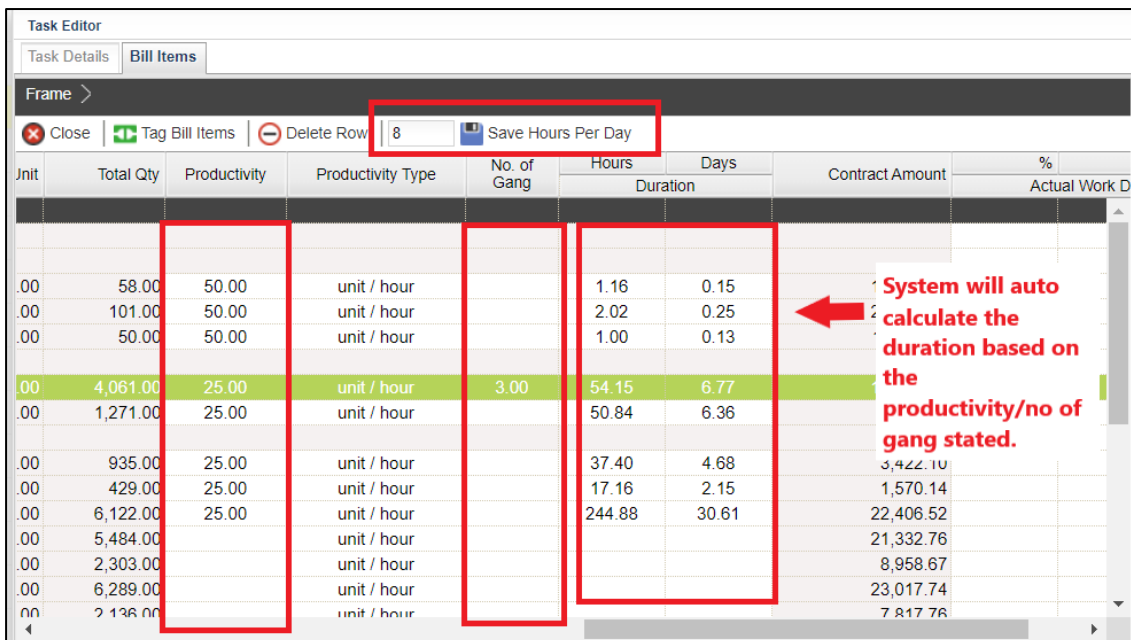
No.	Total Unit	Description
1		

13. Choose the respected Bills from your BQ by **double click** on the Bill, then double click on the respected Unit and Element to **go to the Item level**. You may **tick** on the bill Item to be tagged to the project scheduling, then click **“Save”**.



Bill Ref	Description	Type	Grand Total
	Reinforced Concrete Frame	HEAD 1	
	Vibrated reinforced concrete Grade 25, as specified, in,	HEAD 2	
TEST1/1 A	Columns.	ITEM	13,340.00
TEST1/1 B	Beams.	ITEM	23,230.00
TEST1/1 C	Roof beams.	ITEM	11,500.00
	Hot rolled steel reinforcement (Mild steel, minimum yield stress 250N per sq. mm)	HEAD 2	
TEST1/1 D	10mm Diameter, in beams. (Stirrups)	ITEM	16,040.95
TEST1/1 E	10mm Diameter, in roof beams. (Stirrups)	ITEM	5,020.45
	Hot rolled steel deformed reinforcement (High yield 60, minimum yield stress 460N per sq. mm)	HEAD 2	
TEST1/1 F	25mm diameter, in columns.	ITEM	3,422.10
TEST1/1 G	20mm diameter, in columns.	ITEM	1,570.14
TEST1/1 H	16mm diameter, in columns.	ITEM	22,406.52
TEST1/1 J	12mm diameter, in columns.	ITEM	21,332.76
TEST1/1 K	10mm diameter, in columns (Link)	ITEM	8,958.67
TEST1/1 L	25mm diameter, in beams.	ITEM	23,017.74
TEST1/1 M	20mm diameter, in beams.	ITEM	7,817.76

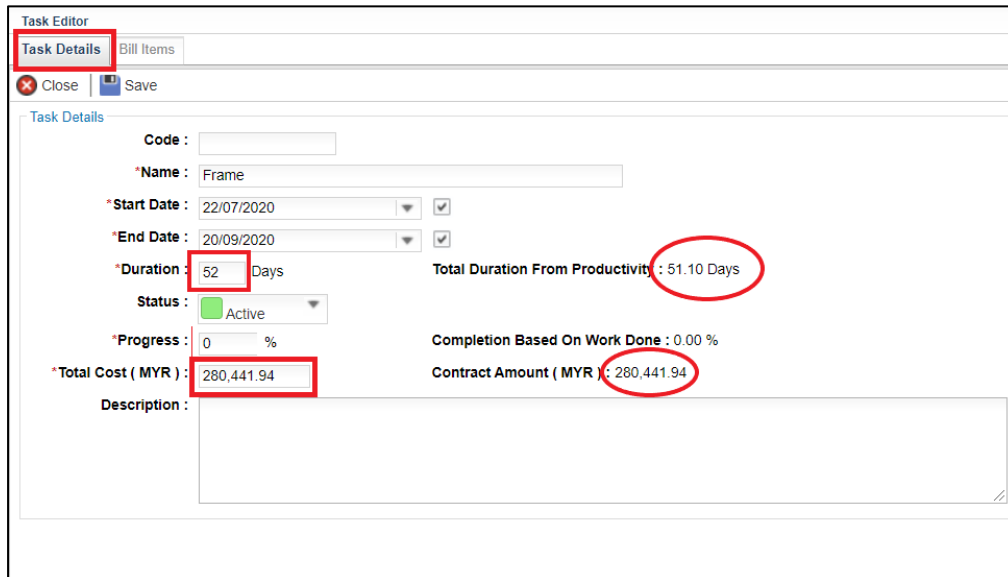
14. All ticked BQ item will be auto updated in the project scheduling as displayed in the **“Task Editor”**. **Scroll to the right** to key in the **productivity, number of gang** and also to amend the **working hours per day** accordingly. System will calculate the **duration** automatically. Press **enter** to key in data and press **enter** again to save.



Unit	Total Qty	Productivity	Productivity Type	No. of Gang	Hours		Contract Amount	%
					Duration	Days		
.00	58.00	50.00	unit / hour		1.16	0.15		
.00	101.00	50.00	unit / hour		2.02	0.25		
.00	50.00	50.00	unit / hour		1.00	0.13		
.00	4,061.00	25.00	unit / hour	3.00	54.15	6.77	3,422.10	
.00	1,271.00	25.00	unit / hour		50.84	6.36	1,570.14	
.00	935.00	25.00	unit / hour		37.40	4.68	22,406.52	
.00	429.00	25.00	unit / hour		17.16	2.15	21,332.76	
.00	6,122.00	25.00	unit / hour		244.88	30.61	8,958.67	
.00	5,484.00		unit / hour				23,017.74	
.00	2,303.00		unit / hour				7,817.76	
.00	6,289.00		unit / hour					
.00	2,136.00		unit / hour					

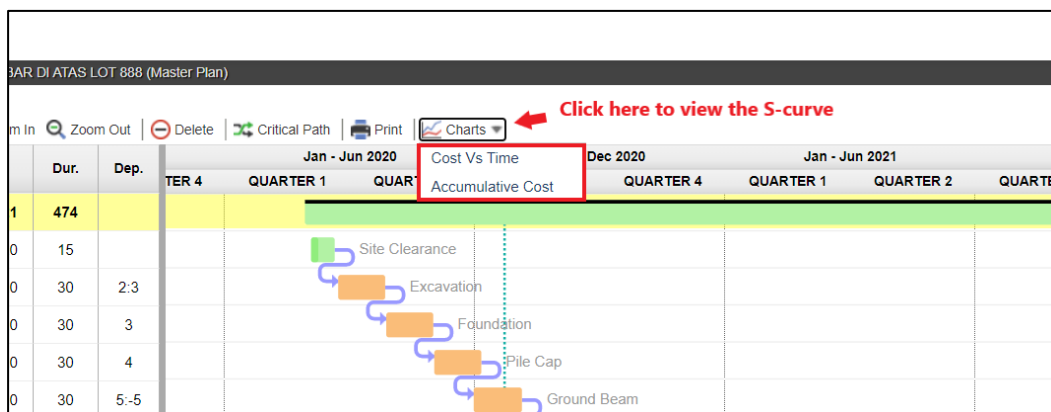
System will auto calculate the duration based on the productivity/no of gang stated.


15. Click on the “Task Details”. System will auto calculate the **Total duration from productivity** and the **Contract Amount**. From there, you can update the Duration and Total Cost accordingly.



The screenshot shows the 'Task Editor' window with the 'Task Details' tab selected. The task name is 'Frame'. The start date is 22/07/2020 and the end date is 20/09/2020. The duration is set to 52 days. The system has calculated a 'Total Duration From Productivity' of 51.10 days. The total cost is 280,441.94 MYR, and the contract amount is also 280,441.94 MYR. The status is 'Active' and progress is 0%.

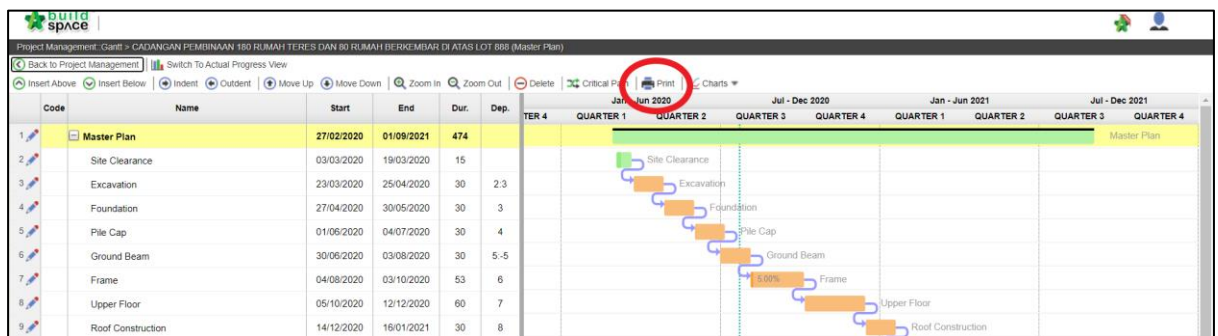
16. System will also **auto generate the S-curve** based on the keyed in data. To view the S-curve, click on “Charts” and choose either “Cost Vs Time” or “Accumulative Cost”.



17. For example, click on “Cost Vs Time”. System will preview the S-curve based on the data provided in the project scheduling. Move your cursor to each  to view the cost.

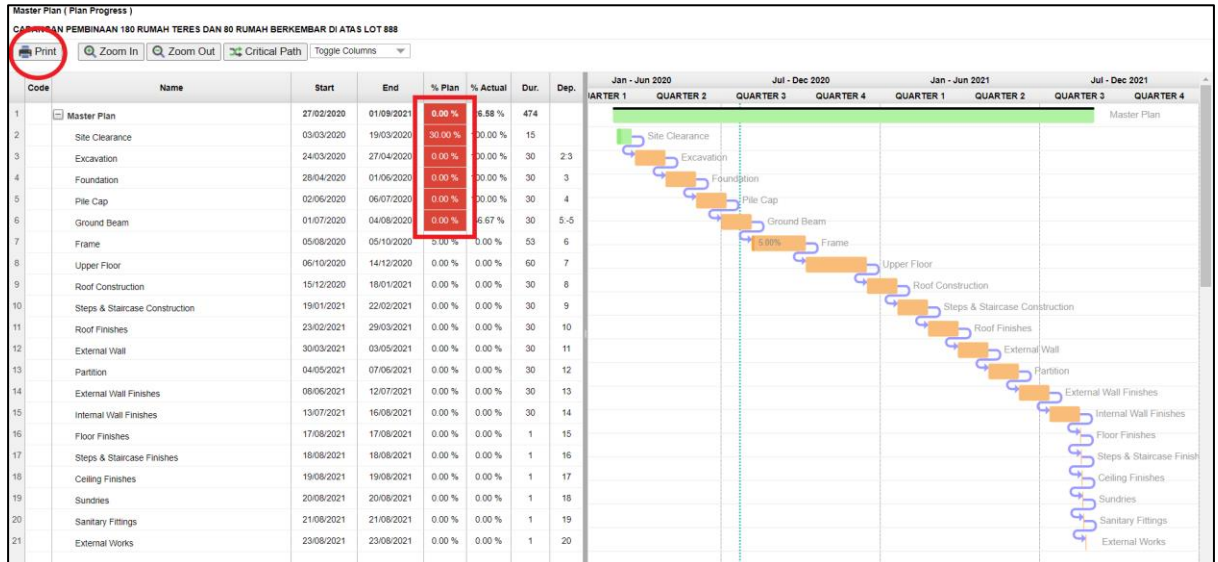


18. To print out the project schedule, Click on “Print”.



19. A preview on the project scheduling will be shown. Then simply click “Print”.

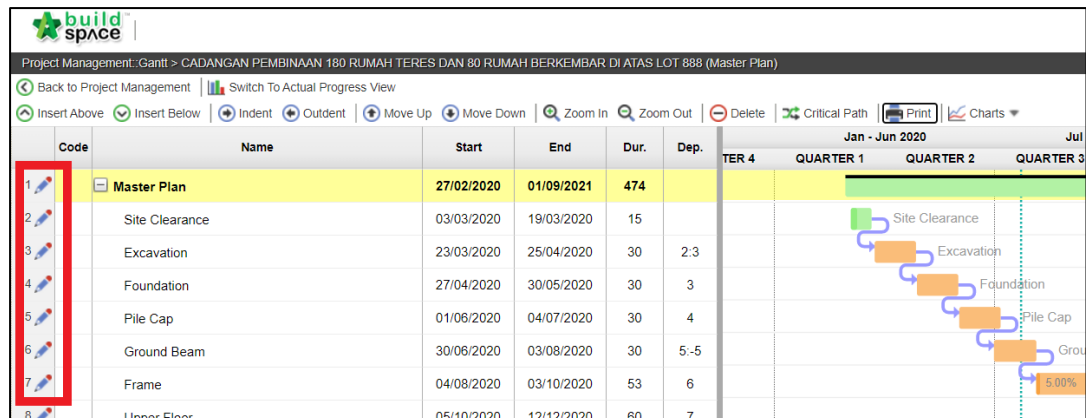
Notes: The red coloured column indicates the activity is behind schedule



Update Work Done from Project Scheduling

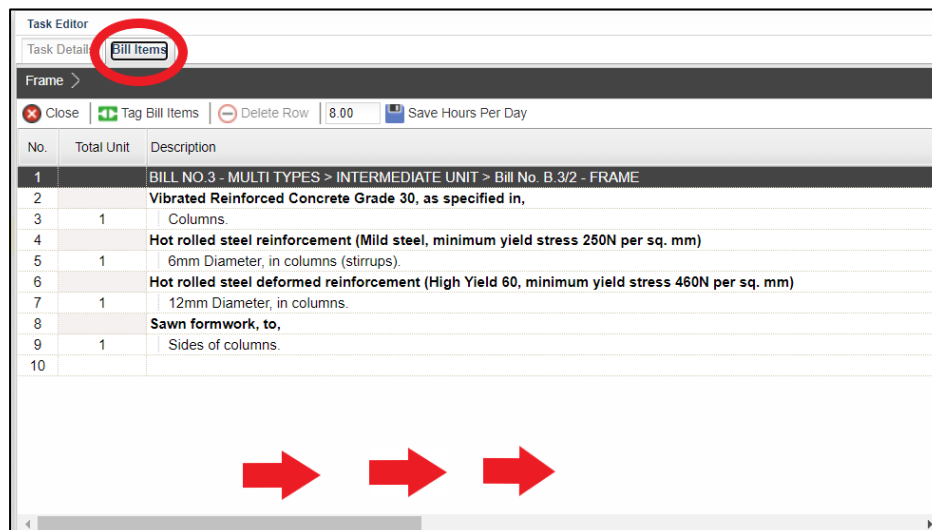
Note: Only those who have the access to Post Contract Module can access the Project Management Module.

- Besides updating progress work done in Post Contract Module, user who have access to the Project Management Module can also update the project progress work done in the Project Scheduling. Click on the **pencil logo** on the left to go to **“Task Editor”**.



Code	Name	Start	End	Dur.	Dep.
1	Master Plan	27/02/2020	01/09/2021	474	
2	Site Clearance	03/03/2020	19/03/2020	15	
3	Excavation	23/03/2020	25/04/2020	30	2:3
4	Foundation	27/04/2020	30/05/2020	30	3
5	Pile Cap	01/06/2020	04/07/2020	30	4
6	Ground Beam	30/06/2020	03/08/2020	30	5-5
7	Frame	04/08/2020	03/10/2020	53	6
8	Upper Floor	05/10/2020	12/12/2020	60	7

- Click on **“Bill Items”** and scroll to the right.



No.	Total Unit	Description
1		BILL NO.3 - MULTI TYPES > INTERMEDIATE UNIT > Bill No. B.3/2 - FRAME
2		Vibrated Reinforced Concrete Grade 30, as specified in,
3	1	Columns.
4		Hot rolled steel reinforcement (Mild steel, minimum yield stress 250N per sq. mm)
5	1	6mm Diameter, in columns (stirrups).
6		Hot rolled steel deformed reinforcement (High Yield 60, minimum yield stress 460N per sq. mm)
7	1	12mm Diameter, in columns.
8		Sawn formwork, to,
9	1	Sides of columns.
10		

- From here, press **enter** to key in the progress work done, either by percentage or by amount. Then, press **enter** again to **save**.

Notes: Any figures updated (either by % or amount), system will help you to update the figure of work done in the Post Contract Module.

Task Editor

Task Details | Bill Items

Frame >

Close Tag Bill Items Delete Row 8.00 Save Hours Per Day

Sl	Qty	Productivity	Productivity Type	No. of Gang	Duration		Contract Amount	Actual Work Done	
					Hours	Days		%	Amount
1.00		unit / hour					300.00	94.00%	282.00
7.00		unit / hour					35.00	93.00%	32.55
24.00		unit / hour					120.00	100.00%	120.00
3.00		unit / hour					99.00	94.00%	93.06

Can update the actual work done by % or Amount.

- For example, the work done in the Post Contract Module has already been updated accordingly.

buildspace

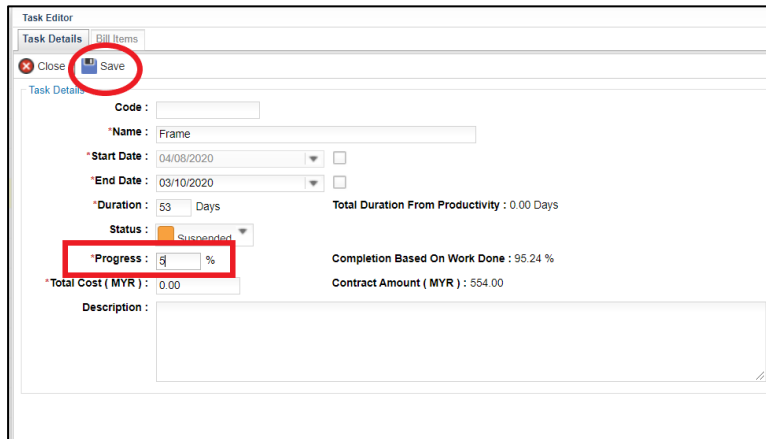
Post Contract > CADANGAN PEMBINAAN 180 RUMAH TERES DAN 60 RUMAH BERKEMBAR DI ATAS LOT 888 (Status: POST CONTRACT)

Project Breakdown | Project Properties | Claim Certificates | BILL NO.3 - MULTI TYPES :: Standard

Type / Unit > INTERMEDIATE UNIT - Unit 2 > Bill No. B.3/2 - FRAME >

No.	Description	VO Omitted At	Qty	Unit	Rate	Total	% Previous Claim	Amount	% Current Claim	Amount	% Up To Date Claim	Qty
1	Vibrated Reinforced Concrete Grade 30, as specified in,											
2	Columns	VO Number 6 - Change of concrete column and beam size	1.00	m3	300.00	300.00			94.00%	282.00	94.00%	0.94
3	Hot rolled steel reinforcement (Mild steel, minimum yield stress 250N per sq. mm)											
4	8mm Diameter, in columns (stirrups)	VO Number 6 - Change of concrete column and beam size	7.00	kg	5.00	35.00			93.00%	32.55	93.00%	6.51
5	Hot rolled steel deformed reinforcement (High Yield 60, minimum yield stress 460N per sq. mm)											
6	12mm Diameter, in columns	VO Number 17 - Additional Column in Car Park	24.00	kg	5.00	120.00			100.00%	120.00	100.00%	24.00
7	Sawn formwork, to,											
8	Sides of columns.	VO Number 17 - Additional Column in Car Park	3.00	m2	33.00	99.00			94.00%	93.06	94.00%	2.82
9	Any other items											

- To update the progress in overall manner, click on the **pencil icon** next to the activity and go to **“Task Details”**. At **“Progress”** description, key in the figure (in %) then click **“Save”**. System will auto update the progress in the Gantt chart.



Task Editor

Task Details | QM Items

Close Save

Task Details

Code :

*Name : Frame

*Start Date : 04/08/2020

*End Date : 03/10/2020

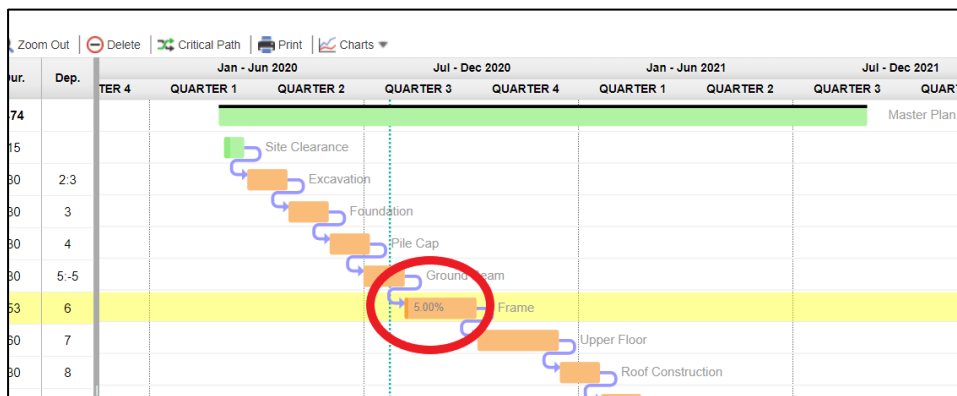
*Duration : 53 Days Total Duration From Productivity : 0.00 Days

Status : Suspended

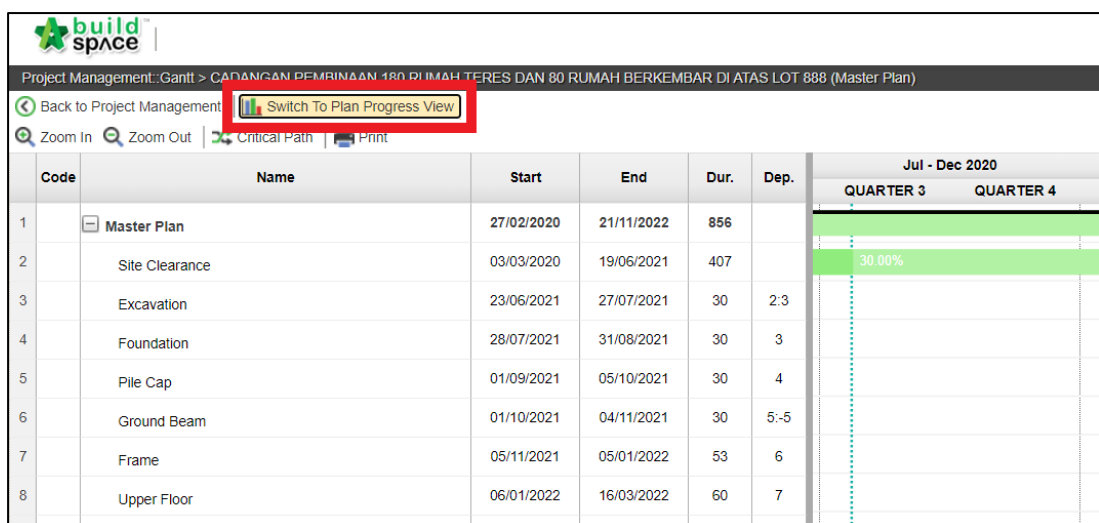
*Progress : 5 % Completion Based On Work Done : 95.24 %

*Total Cost (MYR) : 0.00 Contract Amount (MYR) : 554.00

Description :



- To compare work progress with the actual proposed work progress, click **“Switch to Actual Plan Progress View”** (if the current momentum is maintained).



Project Management: Gantt > CADANGAN PEMBINAAN 180 RUMAH TERES DAN 80 RUMAH BERKEMBAR DI ATAS LOT 888 (Master Plan)

Back to Project Management Switch To Plan Progress View

Zoom In Zoom Out Critical Path Print

Code	Name	Start	End	Dur.	Dep.	Jul - Dec 2020	
						QUARTER 3	QUARTER 4
1	Master Plan	27/02/2020	21/11/2022	856			
2	Site Clearance	03/03/2020	19/06/2021	407		30.00%	
3	Excavation	23/06/2021	27/07/2021	30	2:3		
4	Foundation	28/07/2021	31/08/2021	30	3		
5	Pile Cap	01/09/2021	05/10/2021	30	4		
6	Ground Beam	01/10/2021	04/11/2021	30	5-5		
7	Frame	05/11/2021	05/01/2022	53	6		
8	Upper Floor	06/01/2022	16/03/2022	60	7		

