



KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

STATISTIK PEMBINAAN SUKU TAHUNAN

Quarterly Construction Statistics

SUKU PERTAMA **2023**
First Quarter

Pemakluman

Jabatan Perangkaan Malaysia (DOSM) sedang menjalankan Banci Ekonomi pada tahun 2023. DOSM amat menghargai kerjasama daripada responden dalam memberikan maklumat kepada DOSM serta menjayakan banci ini. Sila layari www.dosm.gov.my untuk maklumat lanjut.

DOSM telah melancarkan OpenDOSM NextGen sebagai medium yang menyediakan katalog data dan visualisasi bagi memudahkan pengguna menganalisis pelbagai data. OpenDOSM NextGen ialah platform perkongsian data sumber terbuka dan boleh diakses melalui portal <https://open.dosm.gov.my>.

Dimaklumkan bahawa Kerajaan Malaysia telah mengisytiharkan Hari Statistik Negara (MyStats Day) pada 20 Oktober setiap tahun. Tema sambutan MyStats Day adalah "Connecting the World with Data We Can Trust".

Announcement

The Department of Statistics Malaysia (DOSM) is conducting the Economic Census in 2023. DOSM greatly appreciates the cooperation of respondents in providing information and ensuring the success of this census. Please visit www.dosm.gov.my for more information.

DOSM has launched OpenDOSM NextGen as a medium that provides a catalogue of data and visualisation to facilitate users in analysing various data. OpenDOSM NextGen is an open source data sharing platform and accessible through <https://open.dosm.gov.my> portal.

Please be informed that the Government of Malaysia has declared National Statistics Day (MyStats Day) on October 20 each year. MyStats Day theme is "Connecting the World with Data We Can Trust".

JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA

Diterbitkan dan dicetak oleh / *Published and printed by :*

Jabatan Perangkaan Malaysia

Department of Statistics Malaysia

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Diterbitkan pada Mei 2023 / *Published on May 2023*

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“Sumber: Jabatan Perangkaan Malaysia”.

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ISSN 2232-173X

KATA PENGANTAR

Penerbitan ini memaparkan statistik bagi sektor pembinaan yang disusun daripada **Survei Pembinaan Suku Tahunan**. Kontraktor utama dengan projek bernilai RM500,000 dan ke atas yang berdaftar dengan Lembaga Pembangunan Industri Pembinaan (LPIP) Malaysia diliputi dalam survei ini.

Data yang dilaporkan adalah berdasarkan kepada nilai kerja pembinaan bagi tempoh rujukan suku tahun pertama 2008 hingga suku tahun pertama 2023. Ia juga memuatkan maklumat pembinaan mengikut jenis aktiviti, negeri dan pemilik projek iaitu kerajaan, swasta dan perbadanan awam. Data tersebut digunakan bagi tujuan membuat perancangan pembangunan dan penggubalan dasar serta pengunjuran dan analisis ekonomi oleh kerajaan dan penyelidik.

Nota teknikal berkaitan dengan objektif, skop dan liputan serta konsep dan definisi yang digunakan turut dimuatkan dalam penerbitan ini bagi meningkatkan kefahaman berkenaan dengan data tersebut.

Jabatan Perangkaan Malaysia merakamkan penghargaan atas kerjasama yang diberikan oleh responden dan juga semua pihak yang telah menyumbang secara langsung dan tidak langsung dalam menjayakan penerbitan ini. Setiap maklum balas dan cadangan untuk penambahbaikan penerbitan ini pada masa akan datang amat dihargai.

DATO' SRI DR. MOHD UZIR MAHIDIN

Ketua Perangkawan Malaysia

Mei 2023

PREFACE

*This publication presents statistics for the construction sector, compiled from the **Quarterly Construction Survey**. Main contractor with projects worth RM500,000 and above, registered with the Construction Industry Development Board (CIDB) Malaysia is covered in this survey.*

The data presented is based on the value of work done for the reference period from the first quarter 2008 to the first quarter 2023. It also presents the construction data by type of activity, state and project owner, namely government, private sector and public corporation. The data is used for planning and policy formulation as well as for economic projection and analysis by the government and researchers.

Technical notes related to the objective, scope and coverage together with concepts and definitions used, are also included in this publication to enhance the understanding of the data.

The Department of Statistics Malaysia gratefully acknowledges the co-operation rendered by the respondents as well as all parties who have contributed directly and indirectly in making this publication a success. Every feedback and suggestion towards improving future publication is highly appreciated.

DATO' SRI DR. MOHD UZIR MAHIDIN

Chief Statistician Malaysia

May 2023

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KALENDAR AWALAN KELUARAN 2023 STATISTIK PEMBINAAN SUKU TAHUNAN
ADVANCE RELEASE CALENDAR YEAR 2023 QUARTERLY CONSTRUCTION STATISTICS

Suku tahun rujukan <i>Reference quarter</i>	Tarikh <i>Date</i>
Suku pertama 2023 <i>First quarter 2023</i>	10 Mei 2023 <i>10 May 2023</i>
Suku kedua 2023 <i>Second quarter 2023</i>	9 Ogos 2023 <i>9 August 2023</i>
Suku ketiga 2023 <i>Third quarter 2023</i>	8 November 2023 <i>8 November 2023</i>
Suku keempat 2024 <i>Fourth quarter 2024</i>	8 Februari 2024 <i>8 February 2024</i>

Nota/Notes :

Merujuk kepada tarikh data disebarkan kepada media atau dalam penerbitan khusus.
Refers to the date the data was disseminated to the media or in a specific publication.

Tarikh siaran tertakluk kepada pindaan.
Release dates are subject to change.

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RINGKASAN PENEMUAN

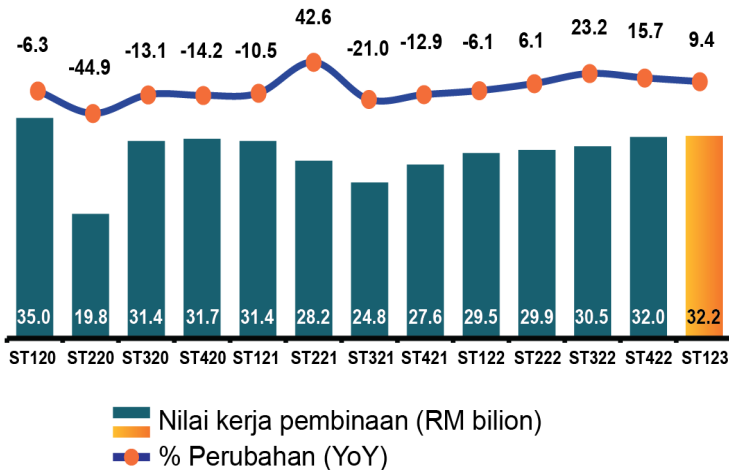


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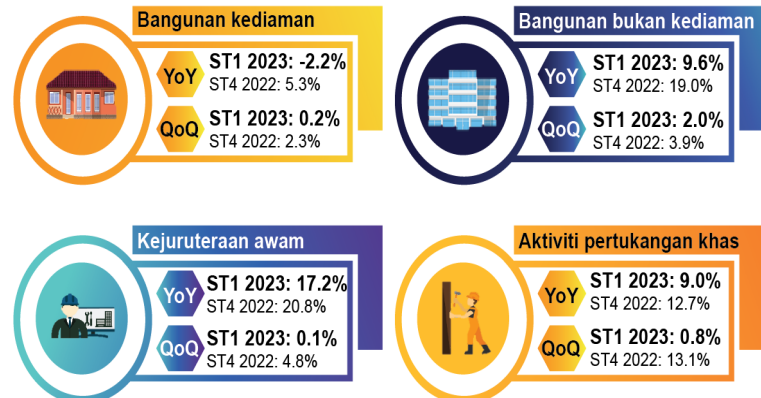
STATISTIK PEMBINAAN SUKU PERTAMA 2023

Sektor pembinaan mengekalkan momentum positif pada suku pertama 2023 dengan mencatatkan pertumbuhan sebanyak 9.4 peratus

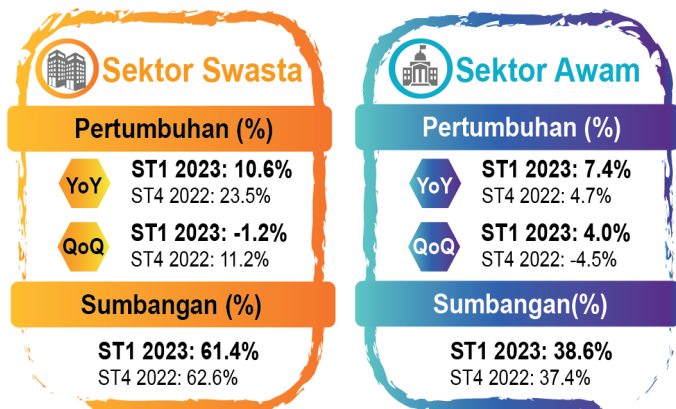
Nilai kerja pembinaan ST1 2020 - ST1 2023



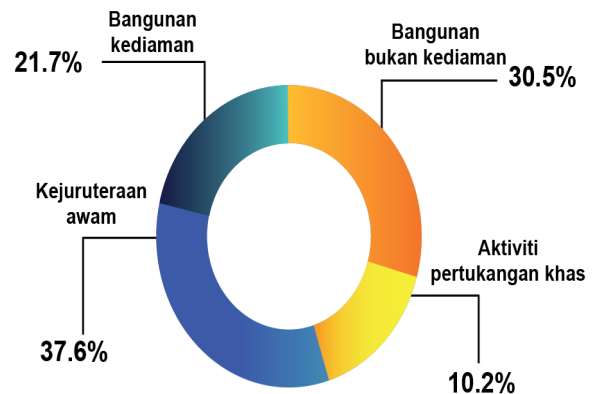
Subsektor **Kejuruteraan awam** mencatatkan pertumbuhan tertinggi sebanyak 17.2 peratus diikuti oleh subsektor **Bangunan bukan kediaman** yang meningkat sebanyak 9.6 peratus pada ST1 2023



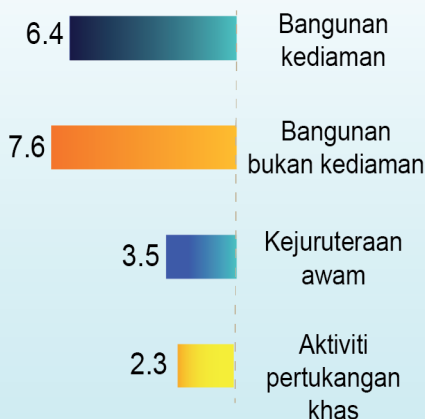
Sektor **Swasta** kekal sebagai pendorong utama kepada pertumbuhan sektor pembinaan pada ST1 2023



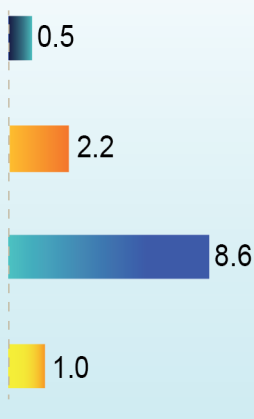
Subsektor **Kejuruteraan awam** dan subsektor **Bangunan bukan kediaman** mewakili lebih dua pertiga daripada jumlah nilai kerja pembinaan pada ST1 2023



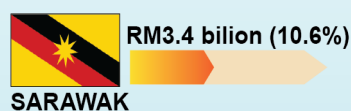
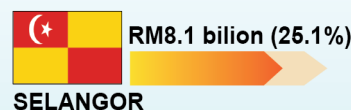
Nilai kerja pembinaan bagi sektor swasta (RM bil.)



Nilai kerja pembinaan bagi sektor awam (RM bil.)



Lebih daripada separuh nilai kerja pembinaan pada ST1 2023 tertumpu di **Selangor**, **Wilayah Persekutuan**, **Sarawak** dan **Johor**



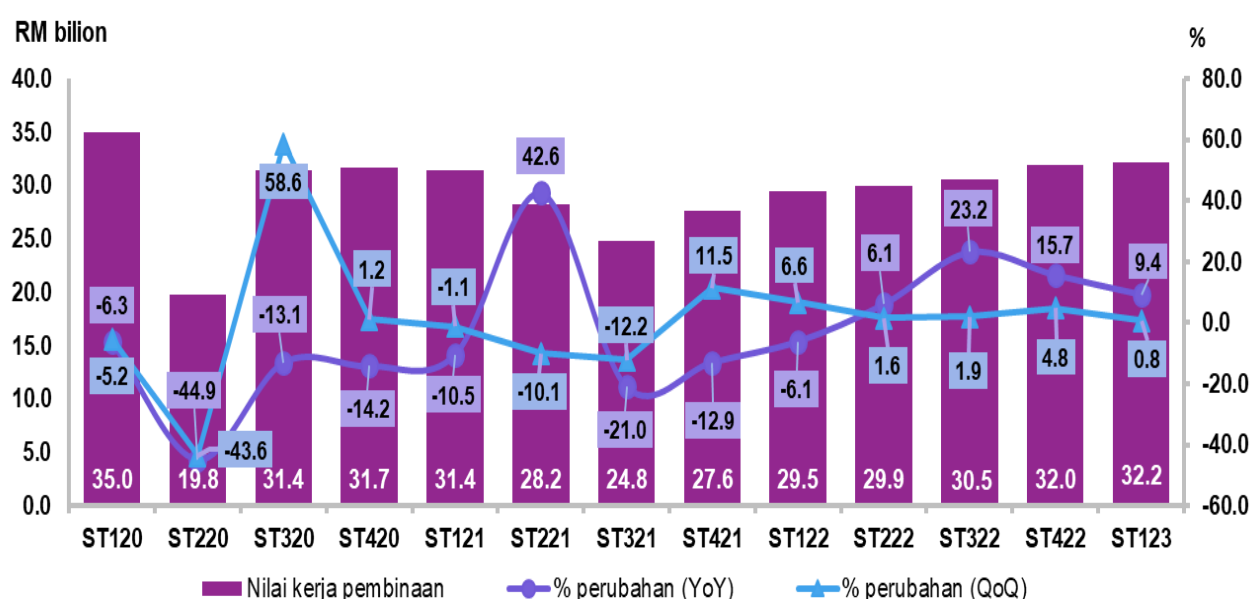
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RINGKASAN PENEMUAN

1. Prestasi Sektor Pembinaan

Nilai kerja pembinaan pada suku pertama 2023 kekal mencatatkan peningkatan 9.4 peratus (ST4 2022: 15.7%) berasaskan tahun ke tahun, berjumlah RM32.2 bilion (ST4 2022: RM32.0 bilion). Sementara itu, perbandingan suku tahun ke suku tahun menunjukkan nilai kerja pembinaan tumbuh 0.8 peratus pada suku tahun pertama 2023 seperti di Carta 1.

Carta 1: Nilai kerja pembinaan dan perubahan peratus, ST1 2020 - ST1 2023

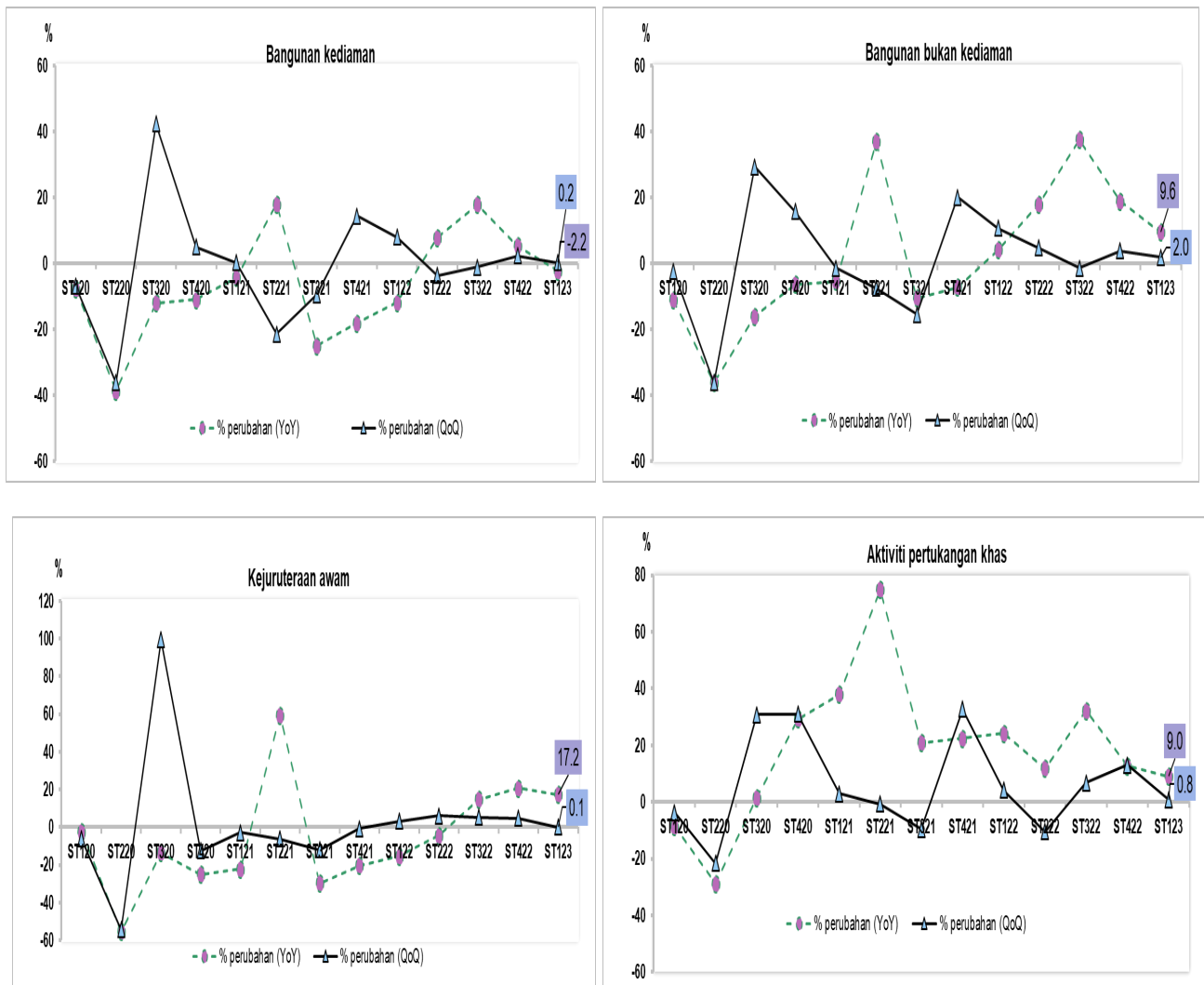


2. Prestasi mengikut Subsektor

Pada suku pertama tahun 2023, sub-sektor Kejuruteraan Awam merekodkan pertumbuhan yang tertinggi dengan pertumbuhan dua digit sebanyak 17.2 peratus berbanding dengan tempoh yang sama pada tahun sebelumnya, diikuti oleh sub-sektor Bangunan Bukan Kediaman dan Aktiviti Pertukangan Khas yang meningkat sebanyak 9.6 peratus dan 9.0 peratus masing-masing. Sementara itu, nilai kerja pembinaan dalam sub-sektor Bangunan Kediaman mengalami penurunan sebanyak 2.2 peratus berbanding dengan suku yang sama pada tahun 2022, seperti di Carta 2.

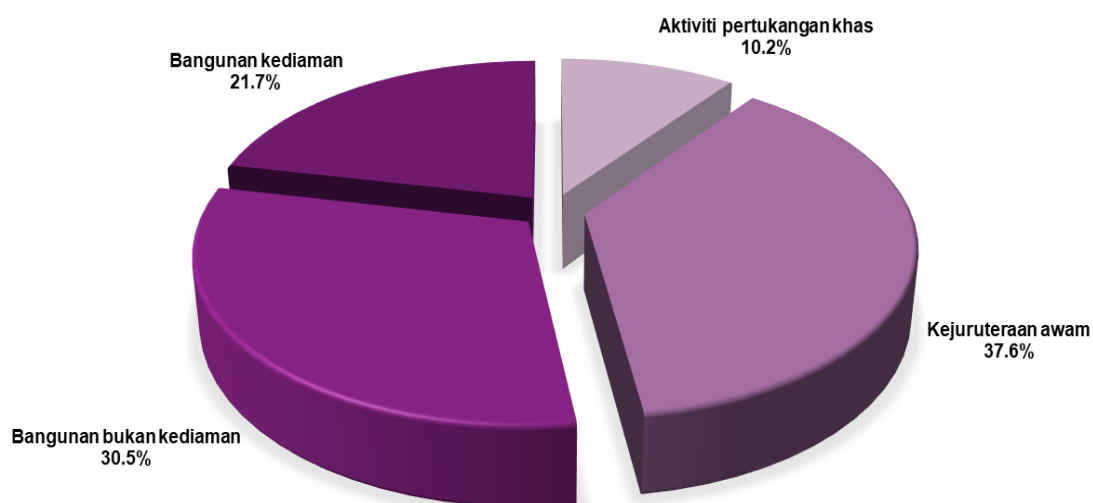
Semua subsektor pembinaan mencatatkan pertumbuhan positif dalam perbandingan suku ke suku. Nilai kerja pembinaan subsektor Bangunan bukan kediaman meningkat 2.0 peratus, subsektor Aktiviti pertukangan khas (0.8%), subsektor Bangunan kediaman (0.2%) dan subsektor Kejuruteraan awam (0.1%).

Carta 2: Perubahan peratus tahunan mengikut subsektor, ST1 2020 - ST1 2023



Subsektor Kejuruteraan Awam kekal sebagai penyumbang utama nilai kerja pembinaan, dengan sumbangan terbesar sebanyak 37.6 peratus, diikuti oleh Bangunan Bukan Kediaman dengan sumbangan sebanyak 30.5 peratus, manakala subsektor Bangunan Kediaman dan Aktiviti Pertukangan Khas masing-masing menyumbang sebanyak 21.7 peratus dan 10.2 peratus seperti di Carta 3.

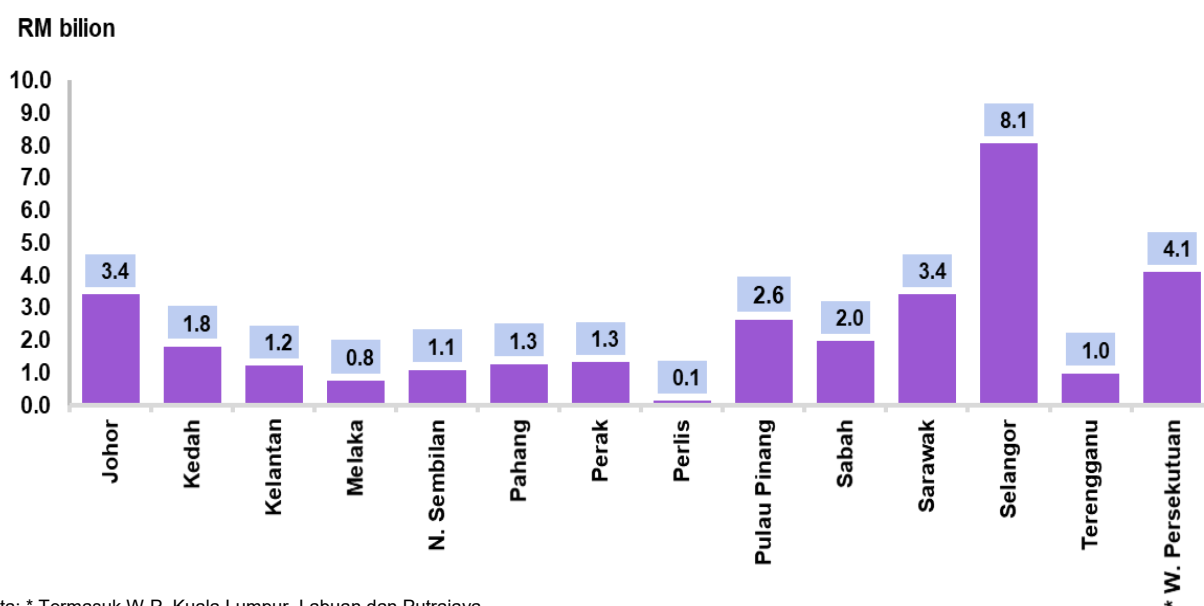
Carta 3: Peratus sumbangan nilai kerja pembinaan mengikut subsektor, ST1 2023



3. Nilai Kerja Pembinaan mengikut Lokasi Projek

Selangor merekodkan nilai kerja pembinaan tertinggi iaitu sebanyak RM8.1 bilion, diikuti oleh Wilayah Persekutuan (RM4.1 bilion) dan seterusnya diikuti oleh Sarawak dan Johor, dengan kedua-duanya mencatat nilai kerja pembinaan pada RM3.4 bilion (10.6%). Keempat-empat negeri ini secara kolektif menyumbang RM19.0 bilion atau 59.0 peratus daripada nilai kerja pembinaan seperti di Carta 4.

Carta 4: Nilai kerja pembinaan mengikut lokasi projek, ST1 2023

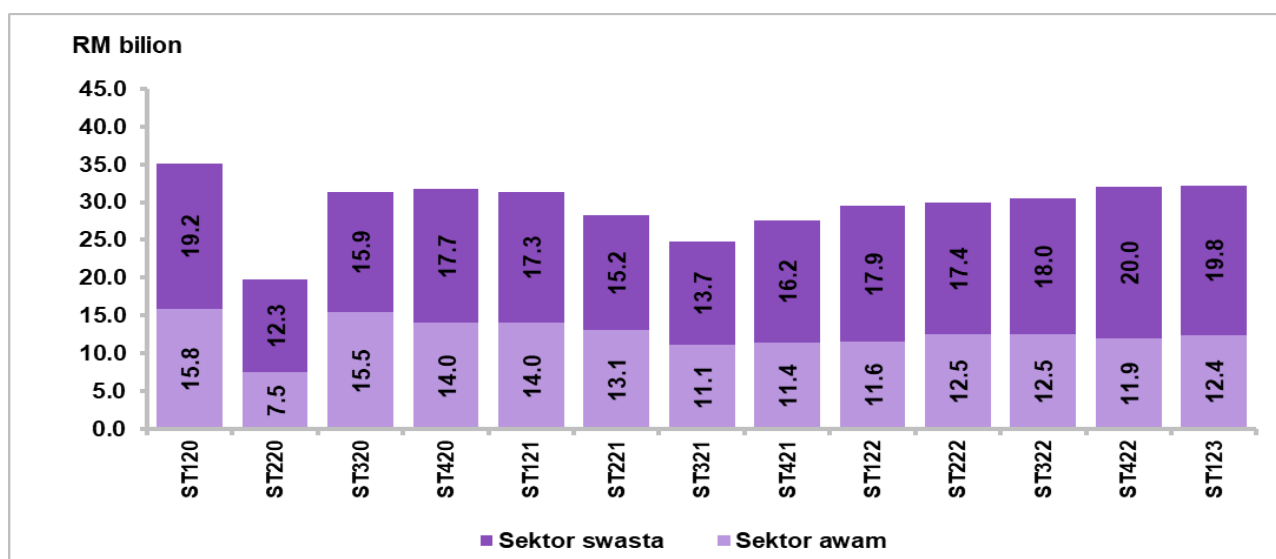


Nota: * Termasuk W.P. Kuala Lumpur, Labuan dan Putrajaya

4. Pembinaan mengikut Pemilik Projek

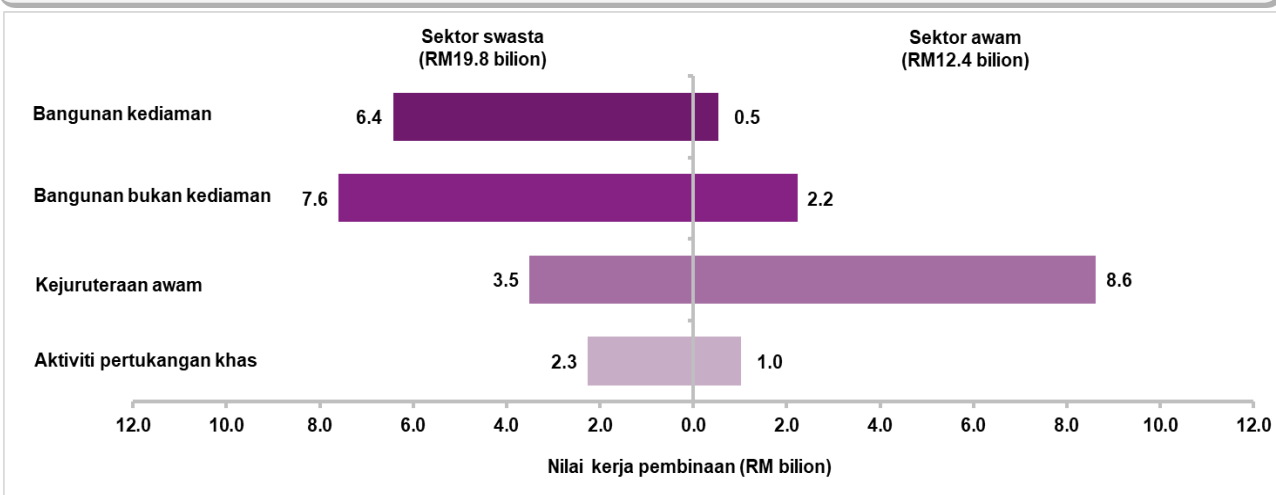
Sektor swasta tumbuh 10.6 peratus (ST4 2022: 23.5%) dengan menyumbang 61.4 peratus daripada nilai kerja pembinaan (RM19.8 bilion) dan sektor awam juga menunjukkan peningkatan kepada 7.4 peratus (ST4 2022: 4.7%) dengan sumbangan 38.6 peratus daripada nilai kerja pembinaan (RM12.4 bilion) seperti di Carta 5.

Carta 5: Nilai kerja pembinaan mengikut pemilik projek, ST1 2020 - ST1 2023



Nilai kerja pembinaan subsektor Bangunan bukan kediaman dan Bangunan kediaman kekal signifikan bagi projek yang dimiliki sektor swasta iaitu masing-masing menyumbang sebanyak 38.4 peratus (RM7.6 bilion) dan 32.5 peratus (RM6.4 bilion). Selain itu, projek milikan sektor awam pula disokong oleh subsektor Kejuruteraan awam dengan sumbangan sebanyak 69.4 peratus (RM8.6 bilion) seperti di Carta 6.

Carta 6: Nilai kerja pembinaan mengikut pemilik projek dan subsektor, ST1 2023



SUMMARY OF FINDINGS



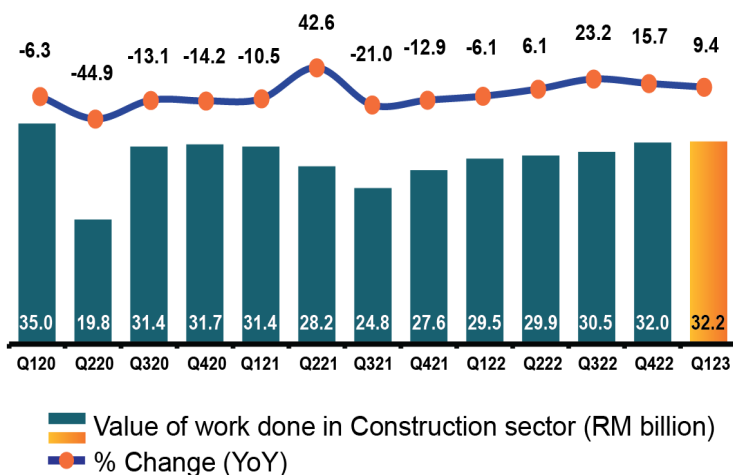
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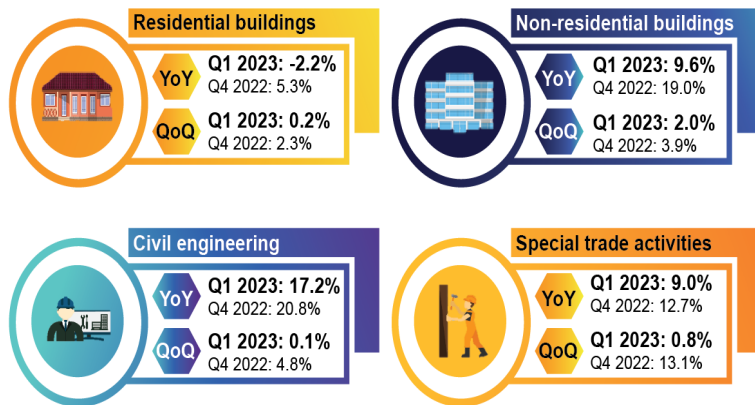
CONSTRUCTION STATISTICS FIRST QUARTER 2023

The Construction sector sustained its positive momentum in the first quarter of 2023, registering a growth of 9.4 per cent

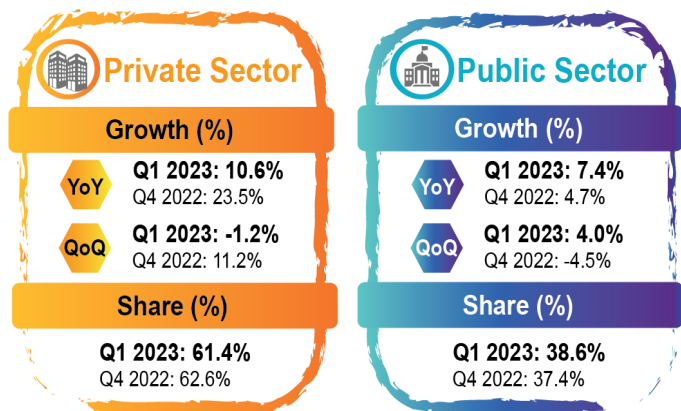
The value of work done in Construction sector
Q1 2020 - Q1 2023



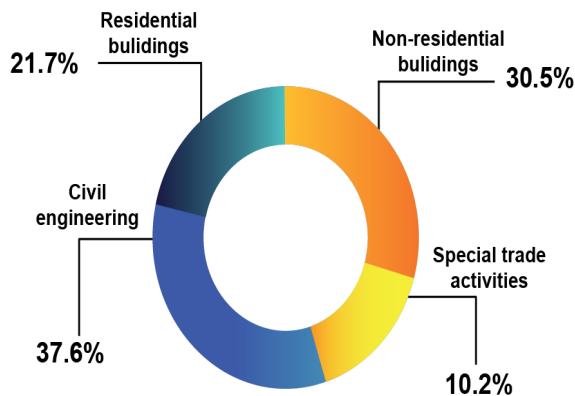
The **Civil engineering** sub-sector recorded the highest growth at 17.2 per cent followed by **Non-residential buildings** sub-sector which increased by 9.6 per cent in Q1 2023



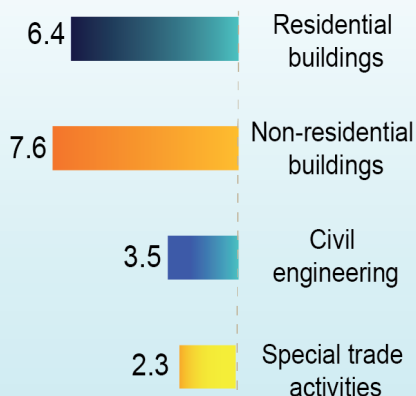
Private sector remained as the main impetus to the growth of the Construction sector in Q1 2023



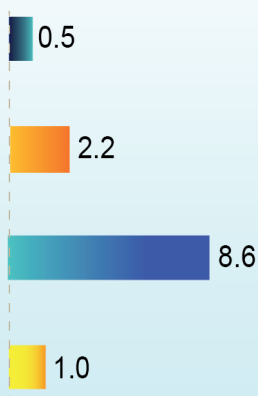
The **Civil engineering** and **Non-residential buildings** sub-sectors represented over two-thirds of the total value of work done in Q1 2023



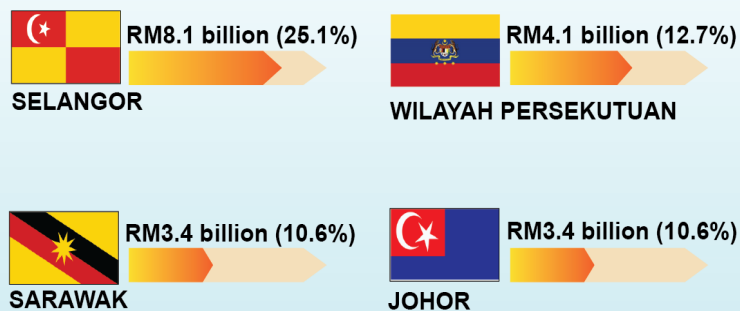
Value of work done of private sector (RM bil.)



Value of work done of public sector (RM bil.)



More than half of the work done value in Q1 2023 was concentrated in **Selangor**, **Wilayah Persekutuan**, **Sarawak** and **Johor**



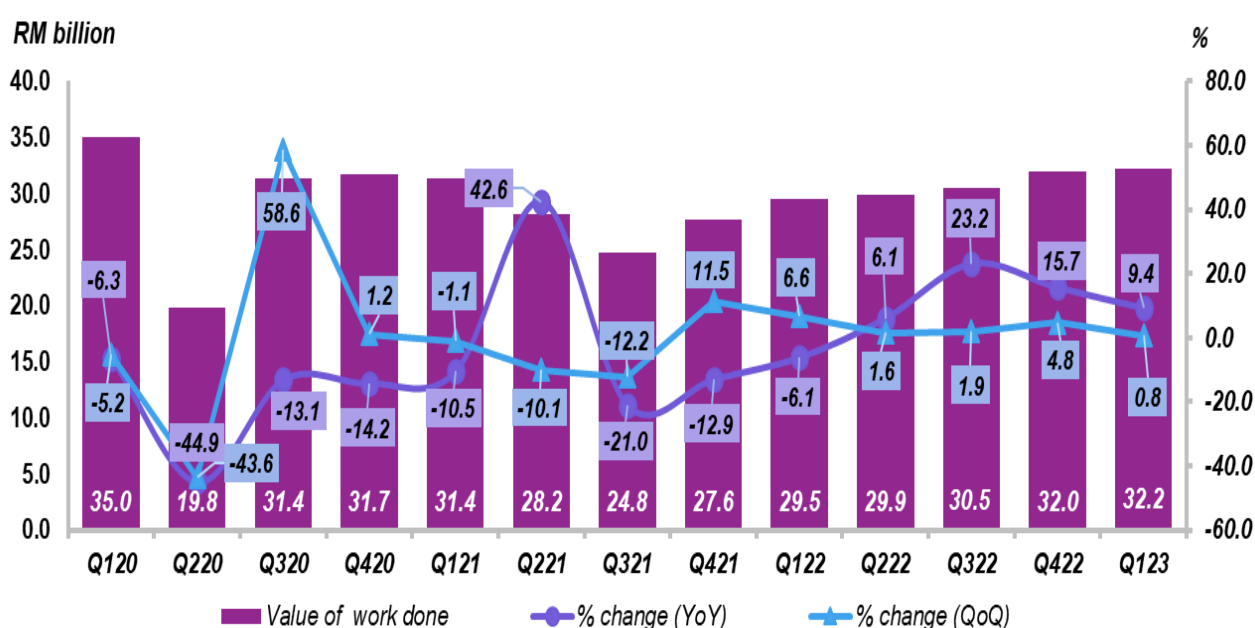
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SUMMARY OF FINDINGS

1. Performance of The Construction Sector

The value of work done in the first quarter 2023 sustained expanded by 9.4 per cent (Q4 2022: 15.7%) year-on-year basis, amounting to RM32.2 billion (Q4 2022: RM32.0 billion). Meanwhile, a quarter-on-quarter comparison showed the value of work done grew 0.8 per cent in the first quarter 2023 as in Chart 1.

Chart 1: Value of work done and percentage change, Q1 2020 - Q1 2023

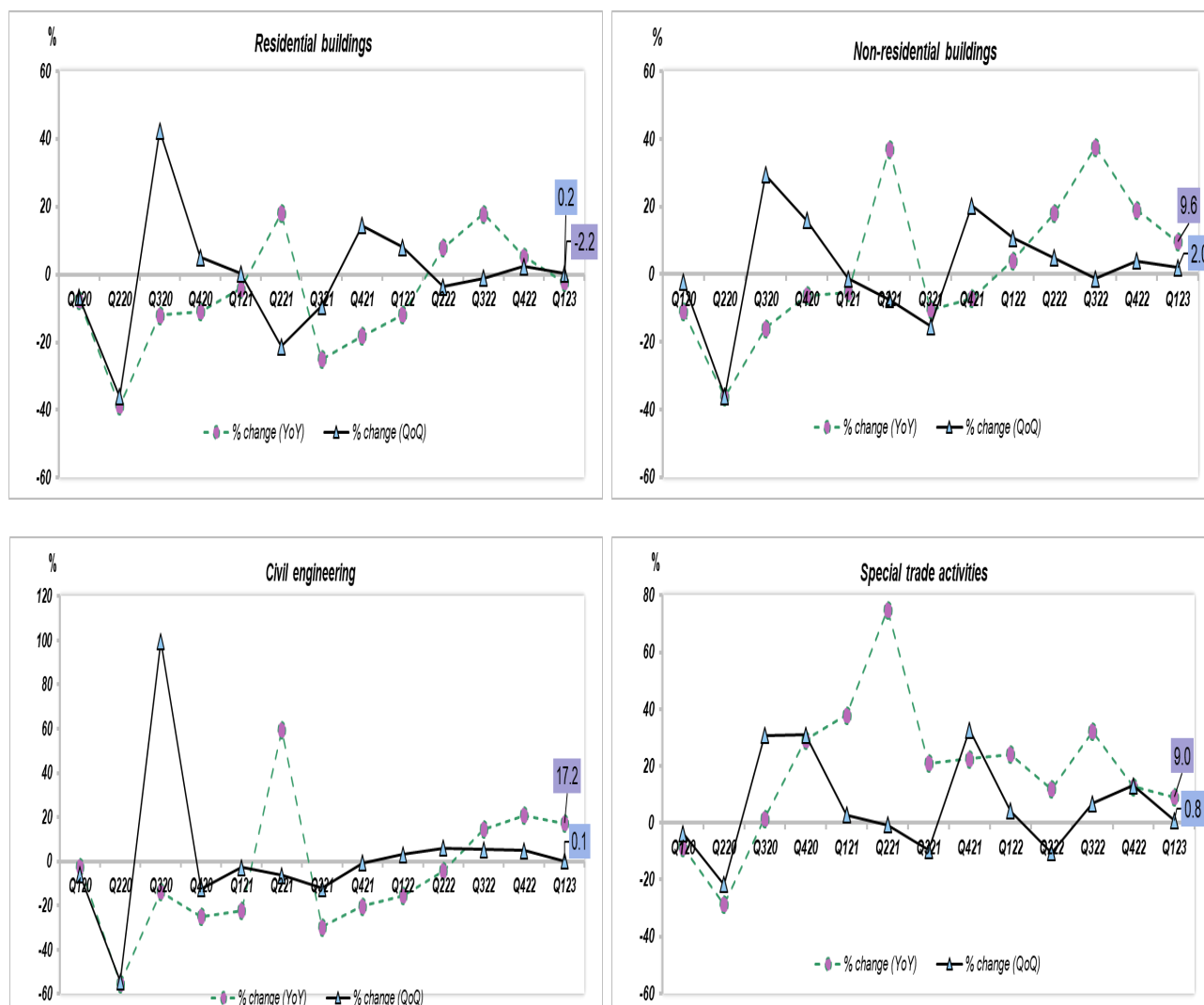


2. Performance by Sub-sector

In the first quarter of 2023, the Civil engineering sub-sector registered the highest growth with double-digit at 17.2 per cent when compared to the corresponding period in the previous year, followed by Non-residential buildings and Special trade activities sub-sector which increased by 9.6 per cent and 9.0 per cent respectively. Meanwhile, the value of work done in the Residential buildings sub-sector declined by 2.2 per cent as compared with the same quarter in 2022, as in Chart 2.

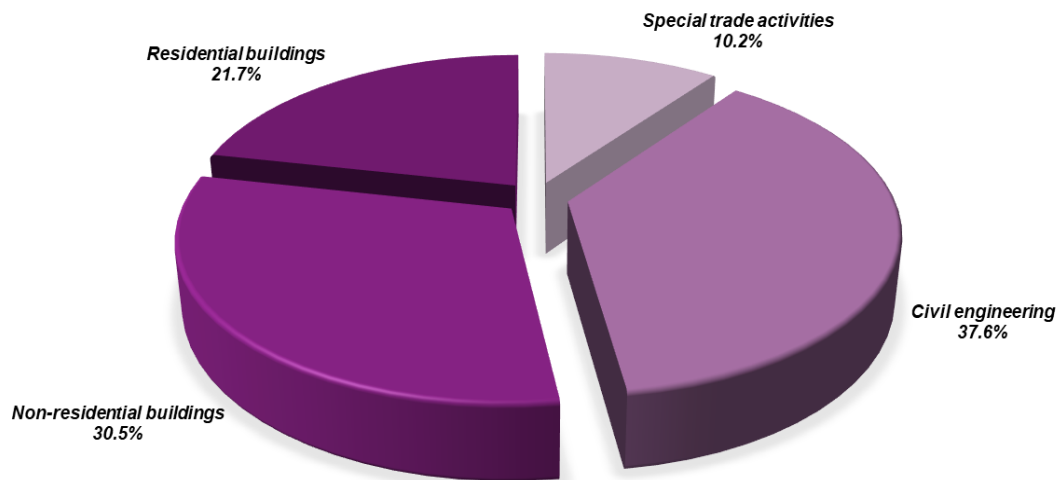
All construction sub-sectors showed positive growth on a quarter-on-quarter basis. The value of construction work done in the Non-residential buildings sub-sector increased 2.0 per cent, Special trade activities (0.8%), Residential buildings sub-sector (0.2%) and the Civil engineering sub-sector (0.1%).

Chart 2: Annual percentage change by sub-sector, Q1 2020 - Q1 2023



Civil engineering sub-sector remained as the main contributor to the overall value of construction work done, holding the largest share of 37.6 per cent, followed by Non-residential buildings with a share of 30.5 per cent, while Residential buildings and Special trade activities sub-sector contributed 21.7 per cent and 10.2 per cent respectively as in Chart 3.

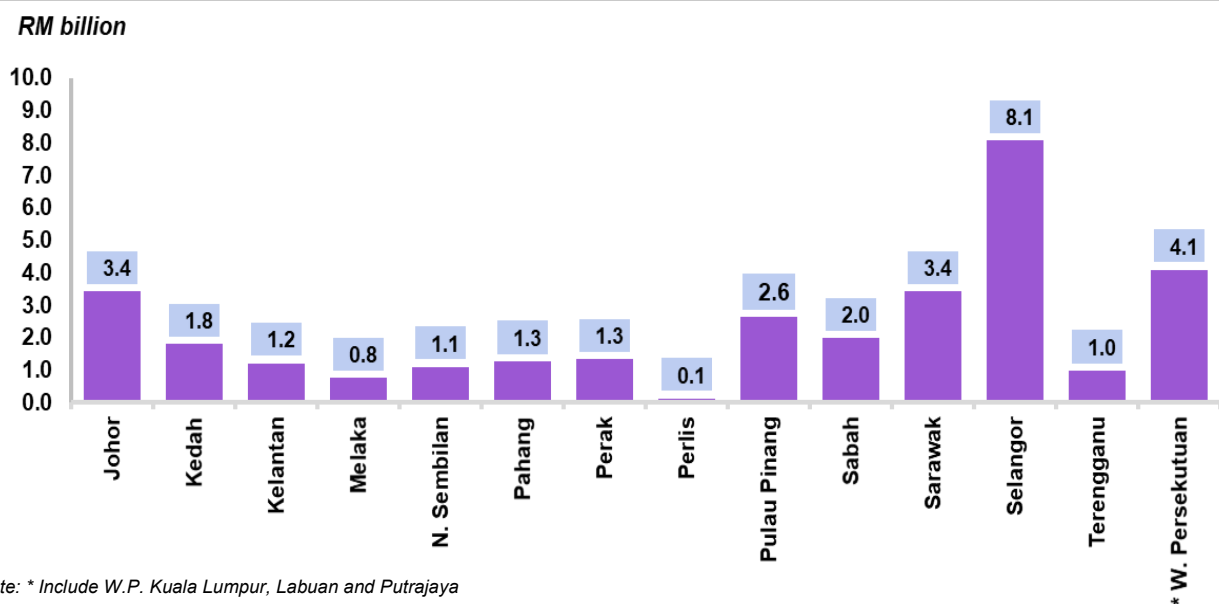
Chart 3: Percentage share value of work done by sub-sector, Q1 2023



3. Value of Work Done by Location of Project

Selangor recorded the highest value of construction work done at RM8.1 billion, followed by Wilayah Persekutuan (RM4.1 billion) while Sarawak and Johor ranked next, with both recording the value of work done at RM3.4 billion (10.6%). These four states collectively made up RM19.0 billion or 59.0 per cent of the total value work done as in Chart 4.

Chart 4: Value of work done by location of project, Q1 2023

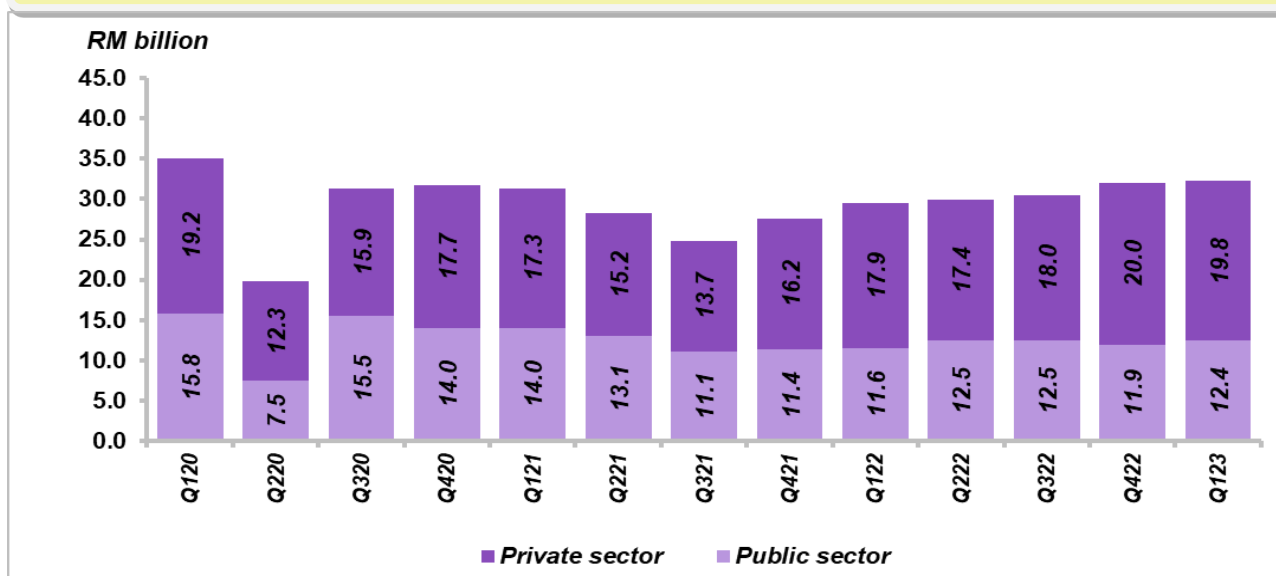


Note: * Include W.P. Kuala Lumpur, Labuan and Putrajaya

4. Construction by Project Owner

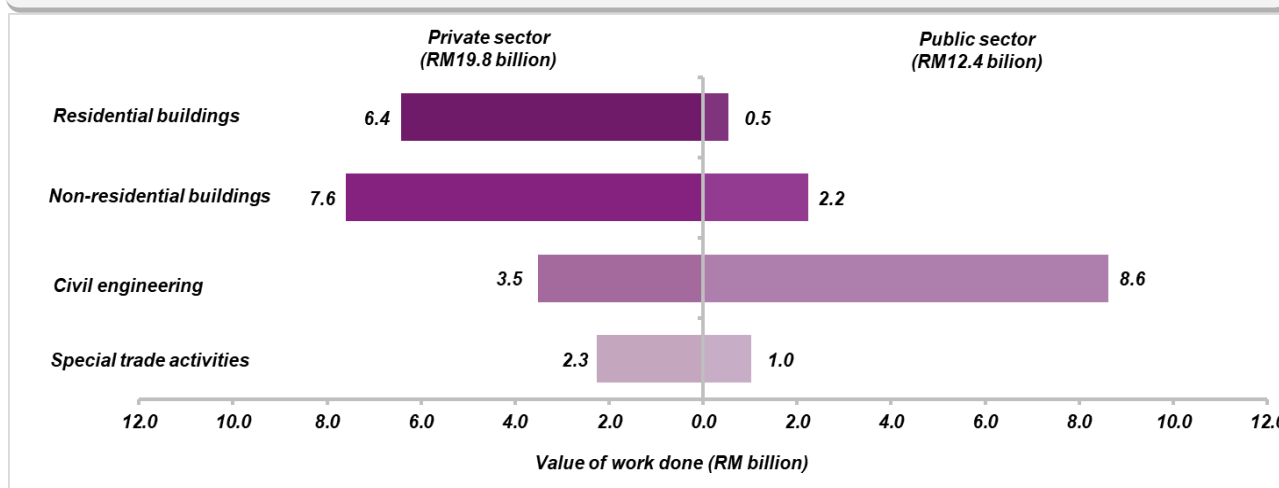
Private sector grew 10.6 per cent (Q4 2022: 23.5%) with 61.4 per cent share of total value of work done (RM19.8 billion) and the public sector also registered a growth at 7.4 per cent (Q4 2022: 4.7%) with 38.6 per cent share of total value of work done (RM12.4 billion) as in Chart 5.

Chart 5: Value of work done by project owner and sub-sector, Q1 2020 - Q1 2023



The value of work done in Non-residential buildings and Residential buildings sub-sectors remained significant in the project owned by the private sector which contributed 38.4 per cent (RM7.6 billion) and 32.5 per cent (RM6.4 billion) respectively. Meanwhile, the project owned by the public sector was underpinned by the Civil engineering sub-sector with a share of 69.4 per cent (RM8.6 billion) as in Chart 6.

Chart 6: Value of work done by project owner Q1 2023



JADUAL

TABLES



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1 Nilai kerja pembinaan mengikut jenis aktiviti, Malaysia, ST1 2023

Value of work done by type of activity, Malaysia, Q1 2023

Jenis Aktiviti Pembinaan Type of Construction Activity	Kod MSIC MSIC Code	Nilai kerja pembinaan Value of work done	
		(RM '000)	%
1. Pembinaan bangunan Construction of buildings	4100	16,801,636	52.1
2. Pembinaan jalan raya dan landasan kereta api Construction of roads and railways	4210	5,829,001	18.1
3. Pembinaan projek utiliti Construction of utility projects	4220	4,494,922	14.0
4. Pembinaan projek kejuruteraan awam lain, kecuali bangunan Construction of other civil engineering projects, except buildings	4290	1,805,724	5.6
5. Perobohan Demolition	4311	7,887	0.0
6. Penyediaan tapak Sites preparation	4312	519,104	1.6
7. Pemasangan elektrik Electrical installation	4321	1,007,169	3.1
8. Pemasangan sistem paip, pemanasan dan pendingin udara Plumbing, heat and air-conditioning installation	4322	823,312	2.6
9. Pemasangan pembinaan lain Other construction installation	4329	152,306	0.5
10. Penyiapan dan kemas bangunan Building completion and finishing	4330	270,232	0.8
11. Aktiviti pembinaan pertukangan khas lain Other specialized construction activities	4390	507,167	1.6
Jumlah / Total		32,218,461	100.0

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Nilai kerja pembinaan mengikut lokasi projek dan subsektor, ST1 2023
Value of work done by location of project and sub-sector, Q1 2023

					(RM '000)
Negeri	Bangunan kediaman	Bangunan bukan kediaman	Kejuruteraan awam	Aktiviti pertukangan khas	Jumlah
State	Residential buildings	Non-residential buildings	Civil engineering	Special trade activities	Total
(RM '000)					
Johor	740,130	1,224,016	1,030,326	430,605	3,425,078
Kedah	237,584	839,811	506,668	226,429	1,810,492
Kelantan	48,314	216,257	931,971	13,957	1,210,500
Melaka	294,434	234,972	196,851	34,318	760,575
Negeri Sembilan	314,494	350,554	340,186	88,994	1,094,229
Pahang	318,997	206,183	605,405	141,768	1,272,352
Perak	301,744	410,420	459,465	154,851	1,326,479
Perlis	13,833	35,864	67,709	8,973	126,378
Pulau Pinang	635,972	1,344,551	373,242	284,949	2,638,715
Sabah	192,334	397,406	1,284,816	102,457	1,977,013
Sarawak	286,539	792,320	2,141,242	205,928	3,426,028
Selangor	1,951,655	2,054,497	2,923,654	1,143,828	8,073,634
Terengganu	47,997	103,182	717,780	116,175	985,134
Wilayah Persekutuan *	1,591,380	1,616,195	550,334	333,945	4,091,854
Malaysia	6,975,408	9,826,228	12,129,648	3,287,178	32,218,461

Nota/ Note : * termasuk / includes Wilayah Persekutuan Kuala Lumpur, Putrajaya dan Labuan

3 Nilai kerja pembinaan mengikut subsektor dan pemilik projek, ST1 2023

Value of work done by sub-sector and project owner, Q1 2023

(RM '000)

Jenis aktiviti pembinaan Types of construction activity	Pemilik projek / Project owner				Jumlah Total
	Swasta Private	Awam Public			
		Kerajaan	Perbadanan awam	Jumlah	
		Government	Public corporation	Total	
Bangunan kediaman Residential buildings	6,432,248	245,213	297,947	543,160	6,975,408
Bangunan bukan kediaman Non-residential buildings	7,592,768	1,788,386	445,073	2,233,460	9,826,228
Kejuruteraan awam Civil engineering	3,506,504	4,611,478	4,011,666	8,623,144	12,129,648
Aktiviti pertukangan khas Special trade activities	2,259,722	375,124	652,331	1,027,456	3,287,178
Jumlah / Total	19,791,242	7,020,202	5,407,017	12,427,219	32,218,461

4 Nilai kerja pembinaan mengikut peringkat siap projek dan subsektor, ST1 2023

Value of work done by stage of project completion and sub-sector, Q1 2023

(RM '000)					
Peringkat siap projek (%)	Bangunan kediaman	Bangunan bukan kediaman	Kejuruteraan awam	Aktiviti pertukangan khas	Jumlah
Stage of project completion (%)	Residential buildings	Non-residential buildings	Civil engineering	Special trade activities	Total
10 dan kurang <i>10 and less</i>	405,094	488,846	1,122,922	126,887	2,143,749
11 - 20	746,252	912,885	1,104,711	221,396	2,985,245
21 - 30	691,663	911,997	746,065	277,889	2,627,613
31 - 40	669,835	742,256	970,197	178,566	2,560,853
41 - 50	603,577	952,736	935,188	379,719	2,871,219
51 - 60	670,558	662,426	1,144,805	255,342	2,733,130
61 - 70	551,824	1,184,656	2,003,200	239,561	3,979,242
71 - 80	808,409	734,299	711,141	298,857	2,552,706
81 - 90	584,910	873,242	1,812,767	455,349	3,726,268
91 - 100	1,243,287	2,362,885	1,578,652	853,612	6,038,436
Jumlah / Total	6,975,408	9,826,228	12,129,648	3,287,178	32,218,461

5 Nilai kerja pembinaan, ST1 2013 - ST1 2023

Value of work done, Q1 2013 - Q1 2023

Suku tahun <i>Quarter</i>	Bilangan projek <i>Number of project</i>	Nilai kerja pembinaan <i>Value of work done</i>	Peratus perubahan <i>Percentage change</i> (%)	
			(RM '000)	(QoQ) (YoY)
Q1 / 2023	17,328	32,218,461	0.8	9.4
Q4 / 2022	17,546	31,973,673	4.8	15.7
Q3 / 2022	17,305	30,518,583	1.9	23.2
Q2 / 2022	16,619	29,936,072	1.6	6.1
Q1 / 2022	16,632	29,460,996	6.6	-6.1
Q4 / 2021	17,413	27,625,856	11.5	-12.9
Q3 / 2021	16,589	24,775,795	-12.2	-21.0
Q2 / 2021	14,626	28,211,661	-10.1	42.6
Q1 / 2021	14,241	31,369,047	-1.1	-10.5
Q4 / 2020	14,160	31,730,846	1.2	-14.2
Q3 / 2020	13,598	31,367,003	58.6	-13.1
Q2 / 2020	12,676	19,780,063	-43.6	-44.9
Q1 / 2020	11,857	35,040,152	-5.2	-6.3
Q4 / 2019	11,862	36,978,460	2.5	1.3
Q3 / 2019	11,018	36,076,604	0.4	-0.6
Q2 / 2019	10,579	35,919,139	-4.0	0.8
Q1 / 2019	9,939	37,397,513	2.4	0.7
Q4 / 2018	9,892	36,511,049	0.6	4.1
Q3 / 2018	9,905	36,287,482	1.9	5.2
Q2 / 2018	9,580	35,624,699	-4.0	5.3
Q1 / 2018	9,259	37,123,931	5.8	5.9
Q4 / 2017	8,747	35,077,956	1.7	7.7
Q3 / 2017	8,844	34,495,002	2.0	8.1
Q2 / 2017	9,405	33,825,084	-3.5	11.2
Q1 / 2017	9,572	35,053,464	7.7	9.7
Q4 / 2016	9,791	32,559,568	2.0	8.1
Q3 / 2016	9,725	31,909,993	4.9	10.7
Q2 / 2016	9,983	30,427,274	-4.7	11.7
Q1 / 2016	10,043	31,941,170	6.0	11.1
Q4 / 2015	10,230	30,128,938	4.5	11.2
Q3 / 2015	9,883	28,834,152	5.9	14.0
Q2 / 2015	10,074	27,239,139	-5.2	8.2
Q1 / 2015	9,982	28,740,794	6.1	15.1
Q4 / 2014	10,000	27,099,410	7.1	9.7
Q3 / 2014	9,835	25,300,648	0.5	10.7
Q2 / 2014	9,875	25,172,816	0.8	10.8
Q1 / 2014	9,774	24,973,339	1.1	21.2
Q4 / 2013	9,652	24,692,364	8.1	11.3
Q3 / 2013	9,753	22,851,629	0.6	12.0
Q2 / 2013	9,392	22,717,500	10.2	11.6
Q1 / 2013	8,719	20,613,411	-7.1	16.3

RM juta / million

Negeri State	Tahun / Suku tahun Year / Quarter											
	2017				2018				2019			
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
Johor	6,938	5,615	5,842	6,764	8,349	6,572	6,815	6,673	6,176	5,185	4,779	4,364
Kedah	1,013	638	552	543	685	836	644	570	653	579	697	834
Kelantan	355	551	513	289	193	296	319	246	280	267	336	355
Melaka	814	1,573	1,161	1,674	1,228	951	773	1,421	1,247	727	750	1,381
Negeri Sembilan	846	1,584	1,577	1,433	1,141	1,932	1,906	1,674	1,795	1,501	1,672	1,394
Pahang	1,571	1,939	2,279	2,162	1,570	1,535	1,367	1,242	946	999	1,148	1,037
Perak	1,042	938	976	858	1,222	1,039	1,433	1,698	1,624	1,520	1,494	1,194
Perlis	61	39	75	52	69	96	67	54	81	59	67	61
Pulau Pinang	1,620	1,581	1,736	1,461	1,713	1,568	1,628	1,666	1,964	1,618	1,400	1,562
Sabah	1,118	1,249	1,437	1,624	1,617	1,690	1,816	1,777	1,796	1,819	1,839	1,884
Sarawak	2,850	3,528	2,586	2,740	2,871	3,255	3,461	3,380	3,575	3,064	3,290	3,586
Selangor	8,341	7,319	8,042	7,809	7,486	8,152	8,256	8,071	8,556	10,017	8,858	9,321
Terengganu	793	812	1,028	672	932	704	701	756	697	697	776	1,145
Wilayah Persekutuan *	7,692	6,459	6,689	6,996	8,048	6,999	7,103	7,284	8,008	7,867	8,968	8,858
Malaysia	35,053	33,825	34,495	35,078	37,124	35,625	36,287	36,511	37,398	35,919	36,077	36,978

Nota/ Note : * termasuk / includes Wilayah Persekutuan Kuala Lumpur, Putrajaya dan Labuan

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Nilai kerja pembinaan mengikut lokasi projek, ST1 2017 - ST1 2023 (samb.)

Value of work done by location of project, Q1 2017 - Q1 2023 (cont'd)

RM juta / million													Negeri State
Tahun / Suku tahun Year / Quarter													
2020				2021				2022				2023	
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	
3,986	2,408	2,718	3,029	2,864	2,285	1,941	2,517	2,622	3,058	3,216	3,408	3,425	Johor
953	742	691	685	804	635	659	768	1,155	1,158	1,387	1,697	1,810	Kedah
444	221	429	508	382	333	442	451	514	688	745	1,163	1,210	Kelantan
1,074	419	577	715	781	528	533	619	814	542	811	688	761	Melaka
1,354	512	1,368	1,421	1,198	1,042	1,138	1,270	1,015	1,179	1,282	1,245	1,094	Negeri Sembilan
1,088	643	839	904	1,489	1,047	1,108	1,227	1,230	1,308	1,273	1,009	1,272	Pahang
1,347	797	1,061	1,046	1,059	923	995	1,014	1,030	1,311	1,248	1,385	1,326	Perak
57	52	91	108	131	99	88	103	107	127	99	99	126	Perlis
1,641	914	1,523	1,588	2,001	1,881	1,625	1,998	2,015	2,337	1,879	2,043	2,639	Pulau Pinang
1,900	958	1,451	1,400	1,798	1,667	1,558	1,728	1,968	1,805	1,956	1,833	1,977	Sabah
3,518	2,158	3,781	3,262	3,806	3,442	3,612	3,130	3,273	3,508	3,586	3,741	3,426	Sarawak
8,657	5,392	8,351	8,698	7,818	7,546	5,468	6,996	6,934	6,787	6,904	7,748	8,074	Selangor
978	730	785	793	791	857	907	856	1,013	976	789	1,218	985	Terengganu
8,043	3,835	7,702	7,574	6,446	5,926	4,701	4,949	5,770	5,154	5,344	4,695	4,092	Wilayah Persekutuan *
35,040	19,780	31,367	31,731	31,369	28,212	24,776	27,626	29,461	29,936	30,519	31,974	32,218	Malaysia

6 Nilai kerja pembinaan mengikut lokasi projek, ST1 2017 - ST4 2022 (samb.)
Value of work done by location of project, Q1 2017 - Q4 2022 (cont'd)

RM juta / million

Negeri State	Tahun Year					
	2017	2018	2019	2020	2021	2022
Johor	25,160	28,408	20,504	12,141	9,607	12,303
Kedah	2,747	2,734	2,763	3,072	2,867	5,397
Kelantan	1,707	1,054	1,237	1,602	1,608	3,111
Melaka	5,222	4,374	4,105	2,784	2,462	2,854
Negeri Sembilan	5,440	6,652	6,362	4,654	4,649	4,721
Pahang	7,951	5,714	4,130	3,473	4,871	4,820
Perak	3,814	5,392	5,832	4,251	3,991	4,975
Perlis	227	287	268	308	422	433
Pulau Pinang	6,397	6,575	6,545	5,666	7,505	8,274
Sabah	5,428	6,899	7,338	5,709	6,751	7,562
Sarawak	11,705	12,968	13,516	12,719	13,990	14,109
Selangor	31,511	31,965	36,753	31,098	27,827	28,373
Terengganu	3,306	3,093	3,315	3,285	3,411	3,996
Wilayah Persekutuan *	27,836	29,433	33,701	27,154	22,022	20,963
Malaysia	138,452	145,547	146,372	117,918	111,982	121,889

Nota/ Note : * termasuk / includes Wilayah Persekutuan Kuala Lumpur, Putrajaya dan Labuan

**7 Nilai kerja pembinaan dan peratus sumbangan mengikut subsektor,
ST1 2011 - ST1 2023**
Value of work done and percentage share by sub-sector,
Q1 2011 - Q1 2023

Tahun / Suku tahun	Bangunan kediaman		Bangunan bukan kediaman		Kejuruteraan awam		Aktiviti pertukangan khas		Jumlah	
Year / Quarter	Residential buildings		Non-residential buildings		Civil engineering		Special trade activities		Total	
	RM juta/ million	(%)	RM juta/ million	(%)	RM juta/ million	(%)	RM juta/ million	(%)	RM juta/ million	(%)
2022	27,769	22.8	37,266	30.6	44,995	36.9	11,859	9.7	121,889	100.0
2021	26,845	24.0	31,391	28.0	43,830	39.1	9,917	8.9	111,982	100.0
2020	29,609	25.1	31,127	26.4	49,878	42.3	7,305	6.2	117,918	100.0
2019	35,752	24.4	37,558	25.7	65,599	44.8	7,463	5.1	146,372	100.0
2018	36,592	25.1	41,201	28.3	60,593	41.6	7,162	4.9	145,547	100.0
2017	39,317	28.4	41,552	30.0	51,087	36.9	6,496	4.7	138,452	100.0
2016	37,807	29.8	39,762	31.3	43,318	34.2	5,950	4.7	126,838	100.0
2015	33,846	29.4	39,080	34.0	36,587	31.8	5,430	4.7	114,943	100.0
2014	30,516	29.8	34,314	33.5	32,689	31.9	5,026	4.9	102,546	100.0
2013	24,963	27.5	29,303	32.2	32,301	35.5	4,307	4.7	90,875	100.0
2012	20,868	25.9	27,482	34.1	28,204	35.0	4,113	5.1	80,667	100.0
2011	16,056	25.0	25,217	39.2	18,305	28.5	4,681	7.3	64,258	100.0
Q1 / 2023	6,975	21.7	9,826	30.5	12,130	37.6	3,287	10.2	32,218	100.0
Q4 / 2022	6,960	21.8	9,636	30.1	12,117	37.9	3,260	10.2	31,974	100.0
Q3 / 2022	6,801	22.3	9,272	30.4	11,563	37.9	2,883	9.4	30,519	100.0
Q2 / 2022	6,873	23.0	9,395	31.4	10,968	36.6	2,699	9.0	29,936	100.0
Q1 / 2022	7,135	24.2	8,963	30.4	10,348	35.1	3,016	10.2	29,461	100.0
Q4 / 2021	6,609	23.9	8,096	29.3	10,028	36.3	2,894	10.5	27,626	100.0
Q3 / 2021	5,772	23.3	6,734	27.2	10,089	40.7	2,181	8.8	24,776	100.0
Q2 / 2021	6,369	22.6	7,958	28.2	11,472	40.7	2,413	8.6	28,212	100.0
Q1 / 2021	8,095	25.8	8,604	27.4	12,241	39.0	2,429	7.7	31,369	100.0
Q4 / 2020	8,075	25.4	8,713	27.5	12,581	39.6	2,362	7.4	31,731	100.0
Q3 / 2020	7,689	24.5	7,517	24.0	14,358	45.8	1,803	5.7	31,367	100.0
Q2 / 2020	5,398	27.3	5,809	29.4	7,194	36.4	1,379	7.0	19,780	100.0
Q1 / 2020	8,448	24.1	9,087	25.9	15,745	44.9	1,761	5.0	35,040	100.0
Q4 / 2019	9,066	24.5	9,300	25.1	16,785	45.4	1,827	4.9	36,978	100.0
Q3 / 2019	8,735	24.2	8,945	24.8	16,622	46.1	1,775	4.9	36,077	100.0
Q2 / 2019	8,807	24.5	9,103	25.3	16,075	44.8	1,934	5.4	35,919	100.0
Q1 / 2019	9,144	24.5	10,210	27.3	16,117	43.1	1,927	5.2	37,398	100.0
Q4 / 2018	8,829	24.2	10,362	28.4	15,560	42.6	1,760	4.8	36,511	100.0
Q3 / 2018	8,981	24.7	10,118	27.9	15,463	42.6	1,726	4.8	36,287	100.0
Q2 / 2018	8,906	25.0	10,036	28.2	14,855	41.7	1,827	5.1	35,625	100.0
Q1 / 2018	9,876	26.6	10,685	28.8	14,715	39.6	1,848	5.0	37,124	100.0

7 Nilai kerja pembinaan dan peratus sumbangan mengikut subsektor,
ST1 2011 - ST1 2023 (samb.)
*Value of work done and percentage share by sub-sector,
Q1 2011 - Q1 2023 (cont'd)*

Tahun / Suku tahun	Bangunan kediaman		Bangunan bukan kediaman		Kejuruteraan awam		Aktiviti pertukangan khas		Jumlah	
<i>Year / Quarter</i>	<i>Residential buildings</i>		<i>Non-residential buildings</i>		<i>Civil engineering</i>		<i>Special trade activities</i>		<i>Total</i>	
	RM juta/ million	(%)	RM juta/ million	(%)	RM juta/ million	(%)	RM juta/ million	(%)	RM juta/ million	(%)
Q4 / 2017	9,728	27.7	10,109	28.8	13,613	38.8	1,627	4.6	35,078	100.0
Q3 / 2017	9,729	28.2	10,080	29.2	13,142	38.1	1,544	4.5	34,495	100.0
Q2 / 2017	9,639	28.5	10,546	31.2	12,018	35.5	1,622	4.8	33,825	100.0
Q1 / 2017	10,220	29.2	10,817	30.9	12,314	35.1	1,702	4.9	35,053	100.0
Q4 / 2016	9,615	29.5	9,964	30.6	11,495	35.3	1,486	4.6	32,560	100.0
Q3 / 2016	9,579	30.0	9,801	30.7	11,133	34.9	1,397	4.4	31,910	100.0
Q2 / 2016	9,283	30.5	9,615	31.6	10,075	33.1	1,453	4.8	30,427	100.0
Q1 / 2016	9,331	29.2	10,382	32.5	10,615	33.2	1,613	5.1	31,941	100.0
Q4 / 2015	8,760	29.1	9,719	32.3	10,217	33.9	1,433	4.8	30,129	100.0
Q3 / 2015	8,227	28.5	9,937	34.5	9,330	32.4	1,340	4.6	28,834	100.0
Q2 / 2015	8,253	30.3	9,418	34.6	8,288	30.4	1,280	4.7	27,239	100.0
Q1 / 2015	8,606	29.9	10,006	34.8	8,753	30.5	1,376	4.8	28,741	100.0
Q4 / 2014	8,059	29.7	9,382	34.6	8,285	30.6	1,373	5.1	27,099	100.0
Q3 / 2014	7,598	30.0	8,724	34.5	7,838	31.0	1,141	4.5	25,301	100.0
Q2 / 2014	7,657	30.4	8,157	32.4	8,167	32.4	1,192	4.7	25,173	100.0
Q1 / 2014	7,202	28.8	8,052	32.2	8,399	33.6	1,320	5.3	24,973	100.0
Q4 / 2013	6,813	27.6	7,598	30.8	9,006	36.5	1,275	5.1	24,692	100.0
Q3 / 2013	6,253	27.4	7,869	34.4	7,667	33.6	1,062	4.6	22,852	100.0
Q2 / 2013	6,484	28.5	7,123	31.4	8,025	35.3	1,086	4.8	22,717	100.0
Q1 / 2013	5,413	26.3	6,714	32.6	7,603	36.9	884	4.3	20,613	100.0
Q4 / 2012	5,760	26.0	6,431	29.0	8,835	39.8	1,165	5.2	22,191	100.0
Q3 / 2012	5,061	24.8	7,158	35.1	7,201	35.3	982	4.8	20,401	100.0
Q2 / 2012	5,162	25.4	7,086	34.8	7,050	34.6	1,052	5.2	20,349	100.0
Q1 / 2012	4,885	27.6	6,807	38.4	5,119	28.9	915	5.2	17,726	100.0
Q4 / 2011	4,610	26.1	5,958	33.7	6,057	34.3	1,036	5.9	17,661	100.0
Q3 / 2011	4,180	26.1	6,166	38.5	4,355	27.2	1,335	8.3	16,037	100.0
Q2 / 2011	3,775	25.1	6,513	43.3	3,530	23.5	1,222	8.1	15,041	100.0
Q1 / 2011	3,491	22.5	6,578	42.4	4,363	28.1	1,087	7.0	15,519	100.0

8 Nilai kerja pembinaan mengikut subsektor dan pemilik projek, ST1 2015 - ST1 2023
Value of work done by sub-sector and project owner, Q1 2015 - Q1 2023

(RM '000)

Swasta / Private					
Tahun / Suku tahun	Bangunan kediaman	Bangunan bukan kediaman	Kejuruteraan awam	Aktiviti pertukangan khas	Jumlah
<i>Year / Quarter</i>	<i>Residential buildings</i>	<i>Non-residential buildings</i>	<i>Civil engineering</i>	<i>Special trade activities</i>	<i>Total</i>
2022	26,027,103	28,686,116	10,941,433	7,678,322	73,332,975
2021	25,223,611	23,621,604	7,565,766	5,952,810	62,363,791
2020	27,257,676	23,808,127	9,855,189	4,194,338	65,115,331
2019	32,776,668	27,987,922	15,675,863	4,630,590	81,071,042
2018	34,395,461	29,414,362	14,956,340	4,300,702	83,066,865
2017	37,425,204	32,117,540	14,123,067	3,958,811	87,624,621
2016	34,258,536	30,528,115	12,420,766	3,721,740	80,929,157
2015	31,135,954	30,375,340	12,083,119	3,605,381	77,199,795
Q1 / 2023	6,432,248	7,592,768	3,506,504	2,259,722	19,791,242
Q4 / 2022	6,490,831	7,496,636	3,907,267	2,132,826	20,027,560
Q3 / 2022	6,358,314	7,076,216	2,701,091	1,873,045	18,008,667
Q2 / 2022	6,424,694	7,323,207	1,919,449	1,737,613	17,404,964
Q1 / 2022	6,753,265	6,790,056	2,413,626	1,934,838	17,891,785
Q4 / 2021	6,151,056	6,017,915	2,108,965	1,936,719	16,214,655
Q3 / 2021	5,432,445	5,026,870	1,863,174	1,341,621	13,664,110
Q2 / 2021	6,056,020	6,083,922	1,687,149	1,328,643	15,155,734
Q1 / 2021	7,584,090	6,492,896	1,906,478	1,345,827	17,329,292
Q4 / 2020	7,461,342	6,763,154	2,183,588	1,277,785	17,685,870
Q3 / 2020	7,059,475	5,661,533	2,111,255	1,073,816	15,906,080
Q2 / 2020	5,103,921	4,514,736	1,889,311	804,445	12,312,413
Q1 / 2020	7,632,938	6,868,704	3,671,034	1,038,292	19,210,968
Q4 / 2019	8,209,230	6,842,943	4,593,126	1,083,150	20,728,449
Q3 / 2019	8,081,681	6,834,103	3,589,122	1,084,866	19,589,772
Q2 / 2019	8,143,521	6,724,708	3,765,207	1,177,853	19,811,289
Q1 / 2019	8,342,235	7,586,168	3,728,409	1,284,720	20,941,532
Q4 / 2018	8,078,123	7,496,625	3,897,871	1,062,310	20,534,929
Q3 / 2018	8,484,981	6,814,917	3,533,179	1,005,868	19,838,945
Q2 / 2018	8,433,837	6,884,368	3,654,061	1,126,553	20,098,819
Q1 / 2018	9,398,519	8,218,453	3,871,229	1,105,971	22,594,172
Q4 / 2017	9,181,755	8,273,179	3,722,026	1,039,682	22,216,642
Q3 / 2017	9,324,836	7,910,488	3,413,101	932,529	21,580,952
Q2 / 2017	9,289,072	7,623,404	3,633,949	1,031,729	21,578,154
Q1 / 2017	9,629,542	8,310,469	3,353,991	954,871	22,248,873
Q4 / 2016	8,737,071	7,727,146	2,626,898	884,940	19,976,055
Q3 / 2016	8,627,431	7,549,412	2,541,556	882,956	19,601,355
Q2 / 2016	8,456,018	7,122,536	3,662,338	961,574	20,202,465
Q1 / 2016	8,438,016	8,129,021	3,589,973	992,270	21,149,282
Q4 / 2015	8,082,214	7,864,886	3,647,544	858,029	20,452,673
Q3 / 2015	7,493,921	7,401,424	3,017,869	932,341	18,845,556
Q2 / 2015	7,530,825	7,118,093	2,750,265	831,621	18,230,804
Q1 / 2015	8,028,994	7,990,937	2,667,441	983,390	19,670,761

8 Nilai kerja pembinaan mengikut subsektor dan pemilik projek, ST1 2015 - ST1 2023 (samb.)
Value of work done by sub-sector and project owner, Q1 2015 - Q1 2023 (cont'd)

(RM '000)

Kerajaan / Government					
Tahun / Suku tahun	Bangunan kediaman	Bangunan bukan kediaman	Kejuruteraan awam	Aktiviti pertukangan khas	Jumlah
<i>Year / Quarter</i>	<i>Residential buildings</i>	<i>Non-residential buildings</i>	<i>Civil engineering</i>	<i>Special trade activities</i>	<i>Total</i>
2022	1,102,226	5,995,474	17,821,923	1,965,509	26,885,132
2021	1,026,594	6,089,973	17,178,529	1,999,719	26,294,815
2020	1,674,204	5,609,849	18,008,347	1,445,621	26,738,021
2019	1,905,410	7,282,771	18,819,695	1,537,006	29,544,882
2018	1,460,971	7,973,574	17,835,471	1,691,740	28,961,757
2017	1,107,951	5,363,373	14,353,002	1,745,396	22,569,722
2016	1,363,707	4,973,664	12,044,806	1,379,057	19,761,234
2015	1,281,675	5,633,989	9,655,192	1,007,929	17,578,785
Q1 / 2023	245,213	1,788,386	4,611,478	375,124	7,020,202
Q4 / 2022	280,131	1,532,727	4,504,262	508,831	6,825,950
Q3 / 2022	239,536	1,539,482	4,799,796	377,870	6,956,684
Q2 / 2022	315,817	1,354,568	4,323,813	492,804	6,487,002
Q1 / 2022	266,742	1,568,696	4,194,052	586,004	6,615,495
Q4 / 2021	288,922	1,590,388	4,324,145	535,024	6,738,479
Q3 / 2021	214,627	1,370,529	4,124,813	455,001	6,164,970
Q2 / 2021	211,823	1,446,267	3,895,331	506,456	6,059,877
Q1 / 2021	311,222	1,682,789	4,834,240	503,238	7,331,489
Q4 / 2020	457,922	1,500,859	4,276,151	454,358	6,689,289
Q3 / 2020	476,166	1,340,863	5,543,545	382,110	7,742,684
Q2 / 2020	230,431	1,008,815	2,882,373	242,730	4,364,349
Q1 / 2020	509,684	1,759,312	5,306,279	366,423	7,941,698
Q4 / 2019	544,098	1,751,735	4,785,406	407,153	7,488,392
Q3 / 2019	493,530	1,512,920	4,939,116	358,425	7,303,990
Q2 / 2019	469,054	1,928,580	4,135,376	371,950	6,904,960
Q1 / 2019	398,727	2,089,537	4,959,797	399,478	7,847,539
Q4 / 2018	389,247	1,987,269	4,425,212	399,964	7,201,693
Q3 / 2018	382,714	2,113,901	4,728,279	392,333	7,617,227
Q2 / 2018	366,630	2,217,222	4,451,877	373,912	7,409,640
Q1 / 2018	322,381	1,655,182	4,230,103	525,531	6,733,197
Q4 / 2017	334,420	1,184,130	3,697,597	419,489	5,635,635
Q3 / 2017	215,518	1,450,994	3,571,848	454,899	5,693,258
Q2 / 2017	219,375	1,332,245	3,562,098	399,859	5,513,577
Q1 / 2017	338,638	1,396,005	3,521,459	471,149	5,727,250
Q4 / 2016	307,684	1,101,438	3,482,925	415,193	5,307,239
Q3 / 2016	323,796	1,284,130	3,304,119	352,263	5,264,309
Q2 / 2016	392,328	1,257,892	2,610,342	288,650	4,549,212
Q1 / 2016	339,899	1,330,203	2,647,420	322,951	4,640,474
Q4 / 2015	376,073	1,213,173	2,474,460	365,505	4,429,211
Q3 / 2015	314,778	1,722,862	2,596,366	230,029	4,864,035
Q2 / 2015	322,298	1,320,726	2,291,943	202,924	4,137,891
Q1 / 2015	268,526	1,377,227	2,292,423	209,471	4,147,648

8 Nilai kerja pembinaan mengikut subsektor dan pemilik projek, ST1 2015 - ST1 2023 (samb.)
Value of work done by sub-sector and project owner, Q1 2015 - Q1 2023 (cont'd)

(RM '000)

Perbadanan awam / Public corporation					
Tahun / Suku tahun	Bangunan kediaman	Bangunan bukan kediaman	Kejuruteraan awam	Aktiviti pertukangan khas	Jumlah
<i>Year / Quarter</i>	<i>Residential buildings</i>	<i>Non-residential buildings</i>	<i>Civil engineering</i>	<i>Special trade activities</i>	<i>Total</i>
2022	640,141	2,584,424	16,231,699	2,214,952	21,671,217
2021	594,735	1,679,279	19,085,281	1,964,458	23,323,753
2020	676,922	1,708,585	22,014,512	1,664,693	26,064,712
2019	1,069,810	2,286,832	31,103,733	1,295,417	35,755,792
2018	735,547	3,812,938	27,800,993	1,169,061	33,518,539
2017	783,893	4,070,747	22,610,774	791,750	28,257,163
2016	2,185,125	4,260,021	18,852,881	849,587	26,147,613
2015	1,428,608	3,070,405	14,849,093	816,337	20,164,443
Q1 / 2023	297,947	445,073	4,011,666	652,331	5,407,017
Q4 / 2022	188,850	607,044	3,705,479	618,789	5,120,163
Q3 / 2022	203,242	655,908	4,061,952	632,131	5,553,232
Q2 / 2022	132,959	717,701	4,724,443	469,003	6,044,106
Q1 / 2022	115,091	603,771	3,739,825	495,029	4,953,716
Q4 / 2021	168,584	487,595	3,594,639	421,904	4,672,722
Q3 / 2021	125,112	336,300	4,100,921	384,383	4,946,716
Q2 / 2021	101,419	427,384	5,889,272	577,974	6,996,049
Q1 / 2021	199,620	428,001	5,500,448	580,197	6,708,266
Q4 / 2020	155,688	449,389	6,121,021	629,590	7,355,687
Q3 / 2020	152,970	514,396	6,703,594	347,279	7,718,239
Q2 / 2020	63,328	285,420	2,422,591	331,961	3,103,300
Q1 / 2020	304,937	459,380	6,767,306	355,864	7,887,486
Q4 / 2019	312,846	705,062	7,406,958	336,753	8,761,619
Q3 / 2019	159,404	598,208	8,093,945	331,284	9,182,842
Q2 / 2019	194,381	449,409	8,174,405	384,694	9,202,889
Q1 / 2019	403,179	534,153	7,428,425	242,686	8,608,442
Q4 / 2018	361,562	878,225	7,236,436	298,204	8,774,428
Q3 / 2018	113,242	1,188,796	7,201,136	328,136	8,831,310
Q2 / 2018	105,701	934,862	6,749,370	326,307	8,116,240
Q1 / 2018	155,041	811,055	6,614,051	216,414	7,796,562
Q4 / 2017	212,020	651,924	6,193,512	168,222	7,225,679
Q3 / 2017	188,658	718,369	6,156,800	156,964	7,220,791
Q2 / 2017	130,925	1,589,864	4,822,051	190,512	6,733,353
Q1 / 2017	252,290	1,110,589	5,438,411	276,051	7,077,341
Q4 / 2016	570,055	1,135,329	5,384,689	186,201	7,276,273
Q3 / 2016	627,538	967,203	5,287,635	161,952	7,044,328
Q2 / 2016	434,526	1,235,002	3,802,819	203,250	5,675,596
Q1 / 2016	553,006	922,488	4,377,738	298,184	6,151,415
Q4 / 2015	301,433	641,042	4,094,796	209,784	5,247,055
Q3 / 2015	418,324	812,444	3,715,925	177,868	5,124,561
Q2 / 2015	400,207	979,076	3,245,533	245,627	4,870,443
Q1 / 2015	308,645	637,844	3,792,839	183,058	4,922,385

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NOTA TEKNIKAL

TECHNICAL NOTES



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- 1. Pendahuluan** Survei Pembinaan Suku Tahunan dijalankan dengan menggunakan pendekatan projek bermula daripada suku pertama 2006. Survei ini hanya meliputi kontraktor utama yang dianugerahkan dengan sesuatu projek. Nilai kerja pembinaan yang dilaporkan oleh kontraktor utama tersebut adalah jumlah keseluruhan nilai kerja yang dibuat tidak kira sama ada dilakukan oleh kontraktor utama atau sub-kontraktor. Memandangkan projek-projek hanya dianugerahkan kepada kontraktor utama, ia menyisihkan kemasukan sub-kontraktor dalam penyiasatan yang mungkin akan menimbulkan elemen pengiraan berganda dalam penyusunan data.
- 2. Objektif** Objektif utama Survei Pembinaan Suku Tahunan adalah untuk mengumpul dan menyusun data mengenai nilai kerja pembinaan untuk menerbitkan Statistik Pembinaan Suku Tahunan. Di samping itu, hasil penemuan survei digunakan dalam penyusunan Keluaran Dalam Negeri Kasar (KDNK) serta membantu kerajaan dalam perancangan ekonomi dan penggubalan dasar. Maklumat tersebut boleh juga digunakan oleh pihak swasta dan individu bagi tujuan membuat analisis ekonomi.
- 3. Kuasa perundangan** Survei ini dilaksanakan dibawah **Akta Perangkaan 1965 (Disemak 1989)**. Seksyen 5 di bawah akta ini menghendaki mana-mana pertubuhan yang beroperasi di Malaysia untuk memberikan maklumat sebenar atau anggaran terbaik kepada Jabatan. Mengikut akta ini, kandungan soal selidik adalah **sulit** dan hanya angka agregat diterbitkan.
- 4. Skop dan liputan** Survei Pembinaan Suku Tahunan melibatkan semua kontraktor utama yang menjalankan projek bernilai RM500,000 dan ke atas yang berdaftar dengan Lembaga Pembangunan Industri Pembinaan (LPIP). Liputan survei adalah terdiri daripada 72 industri pembinaan yang dikelaskan mengikut Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Ver.1.0. Aktiviti pembinaan yang berkaitan dengan penerokaan minyak dan gas tidak diliputi dalam survei ini. Senarai lengkap industri yang diliputi ditunjukkan di dalam Lampiran.
- 5. Kaedah pengumpulan** Survei ini dijalankan melalui soal selidik mel. Responden diberi tempoh dua minggu untuk melengkap dan mengembalikan soal selidik kepada Jabatan. Selepas tempoh tersebut, lawatan kerja luar akan dijalankan untuk mendapatkan respons daripada pertubuhan yang masih belum mengembalikan soal selidik berkenaan. Bagi kes yang belum respons selepas lawatan kerja luar, anggaran nilai kerja pembinaan menggunakan kaedah statistik yang bersesuaian akan dilakukan. Kadar respons semasa tamat penyiasatan adalah melebihi 90 peratus.
- 6. Kontraktor utama** Kontraktor utama adalah merujuk kepada orang, firma, dan lain-lain yang menerima tanggungjawab bagi menyiapkan keseluruhan sesuatu projek pembinaan. Satu kontrak dibuat dengan pemilik projek bagi kontraktor berkenaan menyiapkan sesuatu jenis kerja

NOTA TEKNIKAL (SAMB.)

binaan mengikut spesifikasi yang telah ditetapkan dalam perjanjian. Seseorang kontraktor utama boleh membuat keseluruhan kerja atau sub-kontrak keseluruhan atau sebahagian projek tersebut kepada satu atau lebih sub-kontraktor. Walau bagaimanapun, kontraktor utama adalah bertanggungjawab untuk memastikan semua kerja dibuat mengikut kepuasan pemilik projek.

- 7. Unit pelapor** Unit pelapor bagi survei ini ialah kontraktor utama. Unit ini melaporkan status kerja bagi setiap projek pembinaan yang sedang diusahakan.
- 8. Lokasi projek** Lokasi projek adalah merujuk kepada negeri di mana sesuatu projek pembinaan tersebut didirikan.
- 9. Nilai kerja pembinaan** Nilai kerja pembinaan yang dilakukan adalah termasuk pembinaan baru, pembaikan besar, pemulihan, pengubahsuaian dan pembaikan serta penyelenggaraan semasa yang dijalankan dalam tempoh rujukan untuk pemilik atau pelabur projek.
- 10. Jenis aktiviti pembinaan** Kategori jenis pembinaan yang digunakan dalam penerbitan ini adalah mengikut MSIC 2008 Ver. 1.0 seperti berikut :-
- Bangunan kediaman
(41001)
- Bangunan bukan kediaman
(41002)
- Kod 41003 dan 41009 dikelaskan di bawah bangunan kediaman atau bukan kediaman mengikut aktiviti yang dijalankan
- Kejuruteraan awam
(42101 - 42106, 42109, 42201 - 42207, 42209, 42901 - 42906, 42909)
- Aktiviti pembinaan pertukangan khas (Pertukangan khas)
(43110, 43121 - 43126, 43129, 43211 - 43216, 43219, 43221 - 43229, 43291 - 43295, 43299, 43301 - 43307, 43309, 43901 - 43907, 43909)
- 11. Perbadanan awam** Perbadanan awam ditubuhkan di bawah undang-undang yang diluluskan oleh Akta Parlimen atau Dewan Undangan Negeri. Ia bertujuan untuk membolehkan kerajaan terlibat secara terus dalam bidang pembangunan sosio-ekonomi negara. Ia terdiri daripada badan-badan berkanun dan badan-badan tidak berkanun yang dapat bergerak dan mengendalikan program kerajaan dengan lebih bebas. Contoh perbadanan awam ialah Tenaga Nasional Berhad, Telekom Malaysia Berhad, Keretapi Tanah Melayu Berhad, dll.
- 12. Pembundaran** Jumlah bagi komponen-komponen mungkin berbeza daripada jumlah besar di jadual dalam penerbitan ini oleh kerana pembundaran angka.

13. Simbol dan huruf ringkas

Simbol dan singkatan berikut telah digunakan dalam penerbitan:-

QoQ	Suku tahun ke suku tahun
YoY	Tahun ke tahun
-	Tiada
Bil.	Bilangan
RM	Ringgit Malaysia
ST	Suku Tahun
t.t.t.l.	Tidak terkelas di tempat lain
b	Bilion

- 1. Introduction** *The Quarterly Construction Survey is conducted based on project approach starting from the first quarter 2006. This survey covers only main contractors who are awarded with the projects. The value of work done reported by these main contractors is the value of work done irrespective of whether the main contractor or the sub-contractor did the work. Since projects are only awarded to the main contractors, it eliminates the inclusion of sub-contractors in the survey which may create an element of double counting in the compilation of data.*
- 2. Objective** *The main objective of the Quarterly Construction Survey is to collect and compile data on the value of work done to publish Quarterly Construction Statistics. Furthermore, the findings of the survey are used in the compilation of Gross Domestic Product (GDP) as well as assisting government in economic planning and policy formulation. The data can also be used by the private sector and individuals for economic analysis.*
- 3. Legal authority** *The survey was conducted under the provisions of the **Statistics Act, 1965 (Revised 1989)**. Section 5 of this Act requires all establishments operating in Malaysia to provide actual information or best estimates to the Department. The Act stipulates that the contents of individual returns are **confidential** and only aggregated figures are published.*
- 4. Scope and coverage** *The Quarterly Construction Survey covers all main contractors with value of projects worth RM500,000 and above registered with the Construction Industry Development Board (CIDB). The survey coverage consist of 72 construction industries classified according to the Malaysian Standard Industrial Classification (MSIC) 2008. Construction activities related to oil and gas explorations are not covered in this survey. A complete list of the industries covered are shown in the Appendix.*
- 5. Method of collection** *The survey is conducted using mail questionnaire. The respondents are given two weeks to complete and return the questionnaire to the Department. After the said period, field visits are conducted to obtain response from the establishments which have not returned the questionnaires. As for non-response, the value of work done will be estimated using an appropriate statistical method. The response rate at the close of the survey was above 90 per cent.*
- 6. Main contractor** *Main contractor is a person, firm, etc. that accepts responsibility for completing the entire construction job. A contract is entered into with the owner of the project for the contractor to complete a certain type of construction work according to the specifications laid down in the contract. A main contractor may do all or sub-contract the whole or part of the project to one or more sub-contractors. However, the main contractor is responsible to see the whole work is done to the satisfaction of the project owner.*

TECHNICAL NOTES (CONT'D.)

- 7. Reporting unit** *The reporting unit of this survey is the main contractor. This unit reports on the work status of each of its construction project.*
- 8. Location of project** *Location of project refers to the state where the project is being carried out.*
- 9. Value of work done** *The value of work done includes new construction, major repairs, repairs, renovations and repairs and current maintenance carried out during the reference period for the project owner or investor.*
- 10. Type of construction activity** *The type of construction category used in the publication follows the MSIC 2008 ver. 1.0 :-*
- Residential buildings (41001)*
- Non-residential buildings (41002)*
- Codes 41003 and 41009 are classified under the residential or non-residential buildings based on the types of activity carried out*
- Civil engineering (42101-42106, 42109, 42201-42207, 42209, 42901-42906, 42909)*
- Specialized construction activities (Special trade) (43110, 43121-43126, 43129, 43211-43216, 43219, 43221-43229, 43291-43295, 43299, 43301-43307, 43309, 43901-43907, 43909)*
- 11. Public corporation** *The public corporation is set up under the laws passed by the Parliament Act or the State Legislative Assembly. It enables the government to be involved directly in the socio-economic development of the country. It consists of statutory bodies and non-statutory bodies which can operate and manage the government programs more independently. Examples of public corporations are Tenaga Nasional Berhad, Telekom Malaysia Berhad, Keretapi Tanah Melayu Berhad, etc.*
- 12. Rounding** *The sum of components may not add up to the total in the tables presented in this publication due to rounding.*

13. Symbols and notations *The following symbols and notations were used in the publication:-*

<i>QoQ</i>	<i>Quarter on quarter</i>
<i>YoY</i>	<i>Year on year</i>
<i>-</i>	<i>Not available</i>
<i>No.</i>	<i>Number</i>
<i>RM</i>	<i>Ringgit Malaysia</i>
<i>Q</i>	<i>Quarter</i>
<i>n.e.c.</i>	<i>Not elsewhere classified</i>
<i>b</i>	<i>Billion</i>

PIAWAIAN KLASIFIKASI INDUSTRI MALAYSIA 2008
Ver. 1.0 (SEKSYEN F: PEMBINAAN)

MALAYSIA STANDARD INDUSTRIAL CLASSIFICATION 2008
Ver. 1.0 (SECTION F: CONSTRUCTION)

LAMPIRAN
APPENDIX



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LAMPIRAN / APPENDIX

PIAWAIAN KLASIFIKASI INDUSTRI MALAYSIA 2008 Ver. 1.0
(SEKSYEN F : PEMBINAAN)
MALAYSIA STANDARD INDUSTRIAL CLASSIFICATION 2008 Ver. 1.0
(SECTION F : CONSTRUCTION)

KOD INDUSTRI INDUSTRY CODE	PENERANGAN DESCRIPTION
	BANGUNAN KEDIAMAN / BANGUNAN BUKAN KEDIAMAN <i>RESIDENTIAL BUILDINGS / NON-RESIDENTIAL BUILDINGS</i>
4100	Pembinaan bangunan <i>Construction of buildings</i>
41001	Bangunan kediaman <i>Residential buildings</i>
41002	Bangunan bukan kediaman <i>Non-residential buildings</i>
41003	Pemasangan dan pendirian bangunan pasang siap di tapak pembinaan <i>Assembly and erection of prefabricated constructions on the site</i>
41009	Pembinaan bangunan t.t.t.l. <i>Construction of buildings n.e.c.</i>
	KEJURUTERAAN AWAM <i>CIVIL ENGINEERING</i>
4210	Pembinaan jalan raya dan landasan kereta api <i>Construction of roads and railways</i>
42101	Pembinaan laluan kenderaan bermotor, lorong, jalan, laluan pejalan kaki dan kenderaan lain <i>Construction of motorways, streets, roads, other vehicular and pedestrian ways</i>
42102	Kerja penurapan jalan, jalan raya, lebuh raya, jambatan atau terowong <i>Surface work on streets, roads, highways, bridges or tunnels</i>
42103	Pembinaan jambatan termasuk untuk lebuh raya bertingkat <i>Construction of bridges, including those for elevated highways</i>
42104	Pembinaan terowong <i>Construction of tunnels</i>
42105	Pembinaan landasan keretapi dan laluan bawah tanah <i>Construction of railways and subways</i>
42106	Pembinaan landasan lapangan terbang <i>Construction of airfield/airports runways</i>
42109	Pembinaan jalan raya dan landasan keretapi t.t.t.l. <i>Construction of roads and railways n.e.c.</i>
4220	Pembinaan projek utiliti <i>Construction of utility projects</i>
42201	Saluran paip jarak jauh, talian komunikasi dan kuasa <i>Long-distance pipelines, communication and power lines</i>

LAMPIRAN / APPENDIX (SAMB. / CONT'D.)

KOD INDUSTRI INDUSTRY CODE	PENERANGAN DESCRIPTION
42202 :	Saluran paip dalam bandar, talian komunikasi dan kuasa dalam bandar, kerja-kerja berkaitan dalam bandar <i>Urban pipelines, urban communication and power lines; ancillary urban works</i>
42203 :	Pembinaan punca dan saluran air <i>Water main and line construction</i>
42204 :	Loji takungan <i>Reservoirs</i>
42205 :	Pembinaan sistem pengairan (terusan) <i>Construction of irrigation systems (canals)</i>
42206 :	Pembinaan sistem pembetungan (termasuk pembaikan) dan loji pelupusan sisa kumbahan <i>Construction of sewer systems (including repair) and sewage disposal plants</i>
42207 :	Pembinaan janakuasa <i>Construction of power plants</i>
42209 :	Pembinaan projek utiliti t.t.t.l. <i>Construction of utility projects n.e.c</i>
4290	Pembinaan projek kejuruteraan awam lain, kecuali bangunan <i>Construction of other civil engineering projects, except buildings</i>
42901 :	Pembinaan loji penapisan <i>Construction of refineries</i>
42902 :	Pembinaan laluan air, kerja pelabuhan dan sungai, pleasure ports (marinas), kunci air <i>Construction of waterways, harbour and river works, pleasure ports (marinas), locks</i>
42903 :	Pembinaan empangan dan daik <i>Construction of dams and dykes</i>
42904 :	Penggalian laluan air <i>Dredging of waterways</i>
42905 :	Kemudahan sukan luar dewan <i>Outdoor sports facilities</i>
42906 :	Pembahagian tanah beserta dengan penambahbaikan tanah <i>Land subdivision with land improvement</i>
42909 :	Pembinaan projek kejuruteraan awam lain t.t.t.l. <i>Construction of other engineering projects n.e.c.</i>

LAMPIRAN / APPENDIX (SAMB. / CONT'D.)

KOD INDUSTRI **PENERANGAN**
INDUSTRY CODE **DESCRIPTION**

PERTUKANGAN KHAS **SPECIAL TRADES**

4311 **Perobohan / Demolition**

43110 : **Perobohan atau peranapan bangunan dan struktur lain**
Demolition or wrecking of buildings and other structures

4312 **Penyediaan tapak** *Sites preparation*

43121 : **Pembersihan tapak bangunan**
Clearing of building sites

43122 : **Pengalihan tanah**
Earth moving

43123 : **Pengujian tanah, pengerudian dan penggalian tanah untuk tujuan pembinaan, geofizikal,geologikal atau tujuan seumpamanya**
Drilling, boring and core sampling for construction, geophysical, geological or similar purposes

43124 : **Penyediaan tapak bagi perlombongan**
Site preparation for mining

43125 : **Perparitan bagi tanah pertanian atau perhutanan**
Drainage of agricultural or forestry land

43126 : **Kerja penebusgunaan tanah**
Land reclamation work

43129 : **Aktiviti penyediaan tapak lain t.t.t.l.**
Other site preparation activities n.e.c.

4321 **Pemasangan elektrik** *Electrical installation*

43211 : **Pendawaian dan pemasangan elektrik**
Electrical wiring and fittings

43212 : **Pendawaian telekomunikasi**
Telecommunications wiring

43213 : **Pendawaian rangkaian komputer dan kabel televisyen**
Computer network and cable television wiring

43214 : **Piring satelit**
Satellite dishes

43215 : **Sistem pencahayaan**
Lighting systems

LAMPIRAN / APPENDIX (SAMB. / CONT'D.)

KOD INDUSTRI INDUSTRY CODE	PENERANGAN DESCRIPTION
43216 :	Sistem keselamatan <i>Security systems</i>
43219 :	Pemasangan elektrik t.t.t.l. <i>Electrical installation n.e.c.</i>
4322	Pemasangan sistem paip, pemanasan dan pendinginan udara <i>Plumbing, heat and air-conditioning installation</i>
43221 :	Pemasangan sistem pemanasan (elektrik, gas dan minyak) <i>Installation of heating systems (electric, gas and oil)</i>
43222 :	Pemasangan relau, menara pendinginan <i>Installation of furnaces, cooling towers</i>
43223 :	Pemasangan pengumpul tenaga solar bukan elektrik <i>Installation of non-electric solar energy collectors</i>
43224 :	Pemasangan sistem paip dan peralatan sanitasi <i>Installation of plumbing and sanitary equipment</i>
43225 :	Pemasangan peralatan dan saluran pengudaraan, penyejukan atau pendinginan udara <i>Installation of ventilation, refrigeration or air-conditioning equipment and ducts</i>
43226 :	Pemasangan kelengkapan gas <i>Installation of gas fittings</i>
43227 :	Pemasangan sistem perenjis air untuk kebakaran dan padang <i>Installation of fire and lawn sprinkler systems</i>
43228 :	Pemasangan paip untuk wap <i>Steam piping</i>
43229 :	Pemasangan sistem paip, pemanasan dan pendinginan udara t.t.t.l. <i>Plumbing, heat and air-conditioning installation n.e.c.</i>
4329	Pemasangan pembinaan lain <i>Other construction installation</i>
43291 :	Pemasangan lif, eskalator dalam bangunan atau projek pembinaan lain <i>Installation of elevators, escalators in buildings or other construction projects</i>
43292 :	Pemasangan pintu automatik dan berputar dalam bangunan atau projek pembinaan lain <i>Installation of automated and revolving doors in buildings or other construction projects</i>
43293 :	Pemasangan konduktor kilat dalam bangunan atau projek pembinaan lain <i>Installation of lightning conductors in buildings or other construction projects</i>

LAMPIRAN / APPENDIX (SAMB. / CONT'D.)

KOD INDUSTRI INDUSTRY CODE	PENERANGAN DESCRIPTION
43294 :	Pemasangan sistem pembersihan vakum dalam bangunan atau projek pembinaan lain <i>Installation vacuum cleaning systems in buildings or other construction projects</i>
43295 :	Pemasangan sistem penebatan haba, bunyi atau gegaran dalam bangunan atau projek pembinaan lain <i>Installation thermal, sound or vibration insulation in buildings or other construction projects</i>
43299 :	Pemasangan pembinaan lain t.t.t.l. <i>Other construction installation n.e.c.</i>
4330	Penyiapan dan kemasan bangunan <i>Building completion and finishing</i>
43301 :	Pemasangan rangka pintu, tingkap, rangka/bingkai pintu dan tingkap daripada kayu atau bahan lain, dapur pasang siap, tangga, kelengkapan kedai dan perabot <i>Installation of doors, windows, door and window frames of wood or other materials, fitted kitchens, staircases, shop fittings and furniture</i>
43302 :	Melapis, memasang jubin, menggantung atau memasang kelengkapan bangunan atau projek pembinaan lain daripada pelbagai bahan <i>Laying, tiling, hanging or fitting in buildings or other construction projects of various types of materials</i>
43303 :	Mengecat dalam dan luar bangunan <i>Interior and exterior painting of buildings</i>
43304 :	Mengecat struktur kejuruteraan awam <i>Painting of civil engineering structures</i>
43305 :	Pemasangan kaca, cermin <i>Installation of glass, mirrors</i>
43306 :	Penyiapan dalaman bangunan <i>Interior completion</i>
43307 :	Pembersihan bangunan baru selepas kerja pembinaan <i>Cleaning of new buildings after construction</i>
43309 :	Penyiapan dan kemasan bangunan lain t.t.t.l. <i>Other building completion and finishing work n.e.c.</i>

LAMPIRAN / APPENDIX (SAMB. / CONT'D.)

KOD INDUSTRI INDUSTRY CODE	PENERANGAN DESCRIPTION
4390	Aktiviti pembinaan pertukangan khas lain <i>Other specialized construction activities</i>
43901 :	Pembinaan tapak, termasuk memantak cerucuk <i>Construction of foundations, including pile driving</i>
43902 :	Pembinaan elemen keluli yang bukan dibuat sendiri <i>Erection of non-self-manufactured steel elements</i>
43903 :	Memasang dan membuka semula perancah dan platform kerja <i>Scaffolds and work platform erecting and dismantling</i>
43904 :	Kerja mengikat dan menyusun bata <i>Bricklaying and stone setting</i>
43905 :	Pembinaan kolam renang luar bangunan <i>Construction of outdoor swimming pools</i>
43906 :	Pembersihan menggunakan stim, pancutan air deras berpasir dan aktiviti seumpamanya untuk luar bangunan <i>Steam cleaning, sand blasting and similar activities for building exteriors</i>
43907 :	Penyewaan jentera dan peralatan pembinaan dengan operator (cth. kren) <i>Renting of construction machinery and equipment with operator (e.g. cranes)</i>
43909 :	Aktiviti pembinaan pertukangan khas lain t.t.t.l. <i>Other specialised construction activities, n.e.c.</i>

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