



JABATAN PERDANA MENTERI
JABATAN PERANGKAAN MALAYSIA

SEMENANJUNG MALAYSIA
PENINSULAR MALAYSIA

SIARAN KHAS
Special Release

1

(UNTUK KERJA-KERJA KEJURUTERAAN AWAM)
(For Civil Engineering Works)

NOVEMBER 2022
NOVEMBER

Pemakluman

Jabatan Perangkaan Malaysia (DOSM) sedang menjalankan Survei Pendapatan, Perbelanjaan Isi Rumah dan Kemudahan Asas (HIES/BA) 2022 bermula dari 1 Januari 2022 sehingga 31 Disember 2022 dan Survei Ekonomi Tahunan (AES) 2022 bermula dari 15 April 2022 sehingga 30 September 2022. DOSM amat menghargai kerjasama daripada responden yang terpilih untuk memberikan maklumat kepada DOSM serta menjayakan survei ini. Sila layari www.dosm.gov.my ntuk maklumat lanjut.

Penerbitan statistik ekonomi dan sosial iaitu PocketStats yang mengandungi statistik suku tahunan dan tahunan boleh diperoleh dari portal DOSM atau melalui pautan https://bit.ly/PocketStatsS1_2022. 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 Household Income, Expenditure and Basic Amenities Survey (HIES/BA) 2022 from 1st January 2022 until 31st December 2022 and the Annual Economic Survey (AES) 2022 from 15th April 2022 until 30th September 2022. DOSM greatly appreciates the cooperation given by selected respondents by sharing their information with DOSM and making the survey a success. Please visit www.dosm.gov.my for more information.

Economic and social statistics publication namely PocketStats which contain quarterly and annual statistics can be obtained from the DOSM portal or via the link https://bit.ly/PocketStatsQ1_2022. 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

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data@dosm.gov.my (pertanyaan & permintaan data /
data request & enquiries)

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“Sumber: Jabatan Perangkaan Malaysia”.

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JADUAL
TABLE

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NOTA TEKNIKAL
TECHNICAL NOTES

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NOTA TEKNIKAL

1. Harga bar keluli, simen dan *fabric reinforcement* yang diterbitkan dalam Siaran Khas 1 ini diperoleh dari pungutan harga yang dibuat oleh Jabatan Perangkaan Malaysia.
2. Harga yang dilaporkan mengikut 3 kawasan di Semenanjung Malaysia adalah seperti berikut:

Utara	= Perlis, Kedah, Pulau Pinang dan Perak
Tengah	= Wilayah Persekutuan Kuala Lumpur, Melaka, Negeri Sembilan, Selangor dan Johor
Timur	= Pahang, Terengganu dan Kelantan

3. Bermula Mei 2017, bitumen penembusan 80/100 telah ditukar kepada 60/70. Harga bitumen penembusan 60/70 adalah berdasarkan harga purata ex-Kuala Lumpur.
4. Faktor pelarasan bagi kategori dan saiz paip yang tidak diterbitkan dalam Siaran Khas 1 ini adalah seperti di **Lampiran A**.
5. Harga bagi bahan-bahan binaan lain (yang tidak dinyatakan di atas) adalah diperoleh dari pungutan harga yang dibuat oleh Jabatan Perangkaan Malaysia.
6. Semua harga yang tersebut di atas adalah bagi tujuan pengiraan kadar perubahan harga sahaja dan tidak boleh digunakan untuk mewakili kedudukan harga yang sebenar.

TECHNICAL NOTES

1. The prices for steel bars, cement and *fabric reinforcement* published in this Special Release 1 are obtained from the price collection conducted by Department of Statistics, Malaysia.
2. Prices reported according to 3 regions in Peninsular Malaysia are as follows:

North	= Perlis, Kedah, Pulau Pinang and Perak
Central	= Wilayah Persekutuan Kuala Lumpur, Melaka, Negeri Sembilan, Selangor and Johor
East	= Pahang, Terengganu and Kelantan

3. Starting May 2017, the bitumen 80/100 penetration has been converted into 60/70. The price for bitumen 60/70 penetration is based on average ex-Kuala Lumpur.
4. The adjustment factors for the other categories and sizes not published in this Special Release 1 are shown in **Appendix A**.
5. The prices for other building materials (not stated above) are obtained from the price collection conducted by Department of Statistics, Malaysia.
6. All prices mentioned above are relevant for escalation purposes only and should not be used to represent actual price levels.

SINGKATAN/SIMBOL

n.a	= Tidak diperoleh
r	= Kemaskini

ABBREVIATION/SYMBOLS

n.a	= Not available
r	= Revised

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LAMPIRAN

APPENDIX

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Jadual faktor pelarasan bagi paip air dan paip pembetungan
Adjustment factor table for water pipe and sewerage pipe

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>																																																								
Paip air <i>Water pipe</i> 1. Mild Steel Pipe <table> <tr><td>100 mm Ø</td><td>0.25</td></tr> <tr><td>150 "</td><td>0.36</td></tr> <tr><td>200 "</td><td>0.47</td></tr> <tr><td>250 "</td><td>0.59</td></tr> <tr><td>300 "</td><td>1.00</td></tr> <tr><td>350 "</td><td>1.16</td></tr> <tr><td>400 "</td><td>1.32</td></tr> <tr><td>450 "</td><td>1.48</td></tr> <tr><td>500 "</td><td>1.63</td></tr> <tr><td>600 "</td><td>2.18</td></tr> <tr><td>700 "</td><td>2.80</td></tr> <tr><td>750 "</td><td>2.99</td></tr> <tr><td>800 "</td><td>3.18</td></tr> <tr><td>900 "</td><td>3.56</td></tr> <tr><td>1000 "</td><td>4.25</td></tr> <tr><td>1100 "</td><td>5.53</td></tr> <tr><td>1150 "</td><td>5.83</td></tr> <tr><td>1200 "</td><td>6.40</td></tr> <tr><td>1300 "</td><td>7.60</td></tr> <tr><td>1400 "</td><td>8.16</td></tr> <tr><td>1500 "</td><td>10.32</td></tr> <tr><td>1600 "</td><td>10.98</td></tr> <tr><td>1700 "</td><td>11.64</td></tr> <tr><td>1800 "</td><td>12.30</td></tr> <tr><td>1900 "</td><td>12.96</td></tr> <tr><td>2000 "</td><td>14.74</td></tr> <tr><td>2100 "</td><td>16.01</td></tr> <tr><td>2200 "</td><td>17.33</td></tr> </table>	100 mm Ø	0.25	150 "	0.36	200 "	0.47	250 "	0.59	300 "	1.00	350 "	1.16	400 "	1.32	450 "	1.48	500 "	1.63	600 "	2.18	700 "	2.80	750 "	2.99	800 "	3.18	900 "	3.56	1000 "	4.25	1100 "	5.53	1150 "	5.83	1200 "	6.40	1300 "	7.60	1400 "	8.16	1500 "	10.32	1600 "	10.98	1700 "	11.64	1800 "	12.30	1900 "	12.96	2000 "	14.74	2100 "	16.01	2200 "	17.33	
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Jadual faktor pelarasan bagi paip air dan paip pembetungan (samb.)
Adjustment factor table for water pipe and sewerage pipe (cont'd)

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>																																								
Paip air <i>Water pipe</i> 3. Ductile Iron Pipe <table> <tr><td>100 mm Ø</td><td>0.35</td></tr> <tr><td>150 "</td><td>0.45</td></tr> <tr><td>200 "</td><td>0.60</td></tr> <tr><td>250 "</td><td>0.79</td></tr> <tr><td>300 "</td><td>1.00</td></tr> <tr><td>350 "</td><td>1.25</td></tr> <tr><td>400 "</td><td>1.50</td></tr> <tr><td>450 "</td><td>1.78</td></tr> <tr><td>500 "</td><td>2.05</td></tr> <tr><td>600 "</td><td>2.70</td></tr> <tr><td>700 "</td><td>3.50</td></tr> </table>	100 mm Ø	0.35	150 "	0.45	200 "	0.60	250 "	0.79	300 "	1.00	350 "	1.25	400 "	1.50	450 "	1.78	500 "	2.05	600 "	2.70	700 "	3.50																			
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4. High Density Polyethylene (HDPE) Pipe i. Compression Fitting Using For Jointing <table> <tr><td>20 mm Ø</td><td>0.69</td></tr> <tr><td>25 "</td><td>1.00</td></tr> <tr><td>32 "</td><td>1.63</td></tr> <tr><td>40 "</td><td>2.59</td></tr> <tr><td>50 "</td><td>3.93</td></tr> <tr><td>63 "</td><td>6.18</td></tr> <tr><td>75 "</td><td>8.83</td></tr> <tr><td>90 "</td><td>12.68</td></tr> </table> ii. Electrofusion Jointing <table> <tr><td>110 mm Ø</td><td>0.48</td></tr> <tr><td>125 "</td><td>0.63</td></tr> <tr><td>140 "</td><td>0.80</td></tr> <tr><td>160 "</td><td>1.00</td></tr> <tr><td>180 "</td><td>1.30</td></tr> <tr><td>200 "</td><td>1.54</td></tr> <tr><td>225 "</td><td>1.96</td></tr> <tr><td>250 "</td><td>2.46</td></tr> <tr><td>280 "</td><td>3.27</td></tr> <tr><td>315 "</td><td>3.97</td></tr> <tr><td>355 "</td><td>6.29</td></tr> <tr><td>400 "</td><td>7.80</td></tr> </table>	20 mm Ø	0.69	25 "	1.00	32 "	1.63	40 "	2.59	50 "	3.93	63 "	6.18	75 "	8.83	90 "	12.68	110 mm Ø	0.48	125 "	0.63	140 "	0.80	160 "	1.00	180 "	1.30	200 "	1.54	225 "	1.96	250 "	2.46	280 "	3.27	315 "	3.97	355 "	6.29	400 "	7.80	
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Adjustment factor table for water pipe and sewerage pipe (cont'd)

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>
Paip air <i>Water pipe</i>	
ii. Electrofusion Jointing (samb. / cont'd)	
450 mm Ø "	
500 "	
560 "	
iii. Butt Fussion	
110 mm Ø	0.48
125 "	0.62
140 "	0.76
160 "	1.00
180 "	1.25
200 "	1.56
225 "	1.94
250 "	2.38
280 "	2.97
315 "	3.76
355 "	4.79
400 "	6.06
450 "	7.90
500 "	7.90
560 "	12.61

Jadual faktor pelarasan bagi paip air dan paip pembetulan (samb.)
Adjustment factor table for water pipe and sewerage pipe (cont'd)

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>																																																						
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Jadual faktor pelarasan bagi paip air dan paip pembetulan (samb.)

Adjustment factor table for water pipe and sewerage pipe (cont'd)

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>
Paip pembedungan <i>Sewerage pipe</i>	
2. Ductile Iron Pipe (samb. / cont'd)	
600 mm Ø	2.40
700 "	2.80
800 "	3.20
1000 "	3.40
1200 "	3.60
i. HDPE (Profile) Pipe	
100 mm Ø	0.64
125 "	0.80
150 "	1.00
200 "	1.73
250 "	1.28
300 "	4.10
350 "	7.50
400 "	10.55
450 "	12.00
500 "	17.00
550 "	19.31
600 "	19.32
650 "	19.50
700 "	20.25
750 "	21.27
800 "	25.60
850 "	31.07
900 "	35.00
950 "	38.19
1000 "	54.82
1200 "	74.00
1400 "	94.00
1600 "	123.23
1800 "	165.00
2000 "	207.35
2100 "	300.00
2200 "	400.00

Jadual faktor pelarasan bagi paip air dan paip pembetungan (samb.)
Adjustment factor table for water pipe and sewerage pipe (cont'd)

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>
Paip pembetungan <i>Sewerage pipe</i> ii. HDPE (Solid) Pipe 100 mm Ø 0.20 125 " 0.25 150 " 0.50 200 " 0.65 250 " 1.00 300 " 1.50 350 " 2.00 400 " 2.69 450 " 3.51 500 " 4.48 550 " 5.50 600 " 6.00 650 " 7.50 700 " 8.50 750 " 10.00 800 " 11.75 850 " 15.00 900 " 16.50 950 " 18.00 1000 " 20.40 1200 " 24.00 1400 " 26.00 1600 " 32.00 1800 " 36.00 2000 " 38.00 2100 " 42.00 2200 " 45.00	

Jadual faktor pelarasan bagi paip air dan paip pembetungan (samb.)
Adjustment factor table for water pipe and sewerage pipe (cont'd)

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>																																																
Paip pembetungan <i>Sewerage pipe</i> 4. Vitrified Clay Pipe i. Vitrified Clay (Standard) Pipe <table> <tr><td>100 mm Ø</td><td>0.40</td></tr> <tr><td>150 "</td><td>0.52</td></tr> <tr><td>200 "</td><td>0.84</td></tr> <tr><td>225 "</td><td>1.00</td></tr> <tr><td>300 "</td><td>2.37</td></tr> <tr><td>375 "</td><td>4.24</td></tr> <tr><td>400 "</td><td>4.95</td></tr> <tr><td>450 "</td><td>5.63</td></tr> <tr><td>500 "</td><td>7.96</td></tr> <tr><td>600 "</td><td>11.78</td></tr> <tr><td>700 "</td><td>14.33</td></tr> <tr><td>800 "</td><td>14.50</td></tr> </table> ii. Vitrified Clay (Jacking) Pipe <table> <tr><td>100 mm Ø</td><td>0.80</td></tr> <tr><td>150 "</td><td>0.85</td></tr> <tr><td>200 "</td><td>0.90</td></tr> <tr><td>225 "</td><td>1.00</td></tr> <tr><td>300 "</td><td>1.60</td></tr> <tr><td>375 "</td><td>1.87</td></tr> <tr><td>400 "</td><td>2.17</td></tr> <tr><td>450 "</td><td>2.60</td></tr> <tr><td>500 "</td><td>3.22</td></tr> <tr><td>600 "</td><td>3.75</td></tr> <tr><td>700 "</td><td>4.15</td></tr> <tr><td>800 "</td><td>4.65</td></tr> </table>	100 mm Ø	0.40	150 "	0.52	200 "	0.84	225 "	1.00	300 "	2.37	375 "	4.24	400 "	4.95	450 "	5.63	500 "	7.96	600 "	11.78	700 "	14.33	800 "	14.50	100 mm Ø	0.80	150 "	0.85	200 "	0.90	225 "	1.00	300 "	1.60	375 "	1.87	400 "	2.17	450 "	2.60	500 "	3.22	600 "	3.75	700 "	4.15	800 "	4.65	
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Jadual faktor pelarasan bagi paip air dan paip pembetulan (samb.)
Adjustment factor table for water pipe and sewerage pipe (cont'd)

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>																																																																		
Paip pembetulan <i>Sewerage pipe</i> 5. Reinforced Concrete Pipe (RCP) i. Without Lining <table> <tr><td>375 mm Ø</td><td>0.26</td></tr> <tr><td>450 "</td><td>0.31</td></tr> <tr><td>600 "</td><td>0.47</td></tr> <tr><td>750 "</td><td>0.69</td></tr> <tr><td>900 "</td><td>1.00</td></tr> <tr><td>1050 "</td><td>1.33</td></tr> <tr><td>1200 "</td><td>1.56</td></tr> <tr><td>1350 "</td><td>1.97</td></tr> <tr><td>1500 "</td><td>2.44</td></tr> <tr><td>1650 "</td><td>2.80</td></tr> <tr><td>1800 "</td><td>3.59</td></tr> </table> ii. With Lining (High Alumina) <table> <tr><td>375 mm Ø</td><td>0.26</td></tr> <tr><td>450 "</td><td>0.31</td></tr> <tr><td>600 "</td><td>0.47</td></tr> <tr><td>750 "</td><td>0.69</td></tr> <tr><td>900 "</td><td>1.00</td></tr> <tr><td>1050 "</td><td>1.33</td></tr> <tr><td>1200 "</td><td>1.56</td></tr> <tr><td>1350 "</td><td>1.97</td></tr> <tr><td>1500 "</td><td>2.44</td></tr> <tr><td>1650 "</td><td>2.80</td></tr> <tr><td>1800 "</td><td>3.59</td></tr> </table> iii. With Lining (Sacrificial Lining) <table> <tr><td>375 mm Ø</td><td>0.26</td></tr> <tr><td>450 "</td><td>0.31</td></tr> <tr><td>600 "</td><td>0.47</td></tr> <tr><td>750 "</td><td>0.69</td></tr> <tr><td>900 "</td><td>1.00</td></tr> <tr><td>1050 "</td><td>1.33</td></tr> <tr><td>1200 "</td><td>1.56</td></tr> <tr><td>1350 "</td><td>1.97</td></tr> <tr><td>1500 "</td><td>2.44</td></tr> <tr><td>1650 "</td><td>2.80</td></tr> <tr><td>1800 "</td><td>3.59</td></tr> </table>	375 mm Ø	0.26	450 "	0.31	600 "	0.47	750 "	0.69	900 "	1.00	1050 "	1.33	1200 "	1.56	1350 "	1.97	1500 "	2.44	1650 "	2.80	1800 "	3.59	375 mm Ø	0.26	450 "	0.31	600 "	0.47	750 "	0.69	900 "	1.00	1050 "	1.33	1200 "	1.56	1350 "	1.97	1500 "	2.44	1650 "	2.80	1800 "	3.59	375 mm Ø	0.26	450 "	0.31	600 "	0.47	750 "	0.69	900 "	1.00	1050 "	1.33	1200 "	1.56	1350 "	1.97	1500 "	2.44	1650 "	2.80	1800 "	3.59	
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Adjustment factor table for water pipe and sewerage pipe (cont'd)

Kategori dan saiz paip <i>Category and size of pipe</i>	Faktor pelarasan <i>Adjustment factor</i>
Paip pembetungan <i>Sewerage pipe</i> 6. ABS Pipe i. Gravity 90 mm Ø 0.67 110 " 1.00 150 " 2.07 225 " 3.64 315 " 7.10 ii. Force Main 15 mm Ø 0.01 20 " 0.02 25 " 0.03 32 " 0.04 40 " 0.05 50 " 0.08 65 " 0.15 80 " 0.18 100 " 0.30 150 " 0.61 200 " 1.13 225 " 1.00 250 " 3.73 280 " 1.48 315 " 1.87 355 " 2.37 400 " 3.01 450 " 3.81 500 " 4.71 630 " 7.47	

Sasaran Tarikh Pengumuman Siaran Khas 1
(Untuk Kerja-Kerja Kejuruteraan Awam), Semenanjung Malaysia, 2022
Scheduled Release Dates for Special Release 1
(For Civil Engineering Works), Peninsular Malaysia, 2022

Tahun <i>Year</i>	Bulan Rujukan <i>Reference Month</i>	Tahun <i>Year</i>	Tarikh Pengumuman <i>Release Date</i>
2022	Januari <i>January</i>	2022	10 Februari <i>10 February</i>
	Februari <i>February</i>		10 Mac <i>10 March</i>
	Mac <i>March</i>		08 April <i>08 April</i>
	April <i>April</i>		11 Mei <i>11 May</i>
	Mei <i>May</i>		09 Jun <i>09 June</i>
	Jun <i>June</i>		07 Julai <i>07 July</i>
	Julai <i>July</i>		10 Ogos <i>10 August</i>
	Ogos <i>August</i>		08 September <i>08 September</i>
	September <i>September</i>		11 Oktober <i>11 October</i>
	Oktober <i>October</i>		10 November <i>10 November</i>
	November <i>November</i>		08 Disember <i>08 December</i>
	Disember <i>December</i>	2023	09 Januari <i>09 January</i>