

BAHAGIAN 3.6 : PILING WORK (CLASS H)

BIL	KETERANGAN KERJA	UNIT	PURATA KADAR HARGA 2013 (RM)			
			KAWASAN UTARA	KAWASAN TENGAH	KAWASAN TIMUR	KESELURUHAN
PILES						
<u>BORED PILES</u>						
1	Drill 1000mm nominal diameter vertical holes through whatever soil strata other than rock with provision of temporary casing.	m		362.00		362.00
2	Drilled 1000mm nominal diameter vertical holes in rock.	m		1,978.00		1,978.00
3	1000mm Nominal diameter x 12mm thick permanent casing.	m		2,577.00		2,577.00
4	Cutting off piles head to required length including preparing pile head.	no.		500.00		500.00
<u>MICROPILES</u>						
<u>250mm. diameter micropiles as working piles.</u>						
5	Boring in earth, up to 9 m depth for 31 nos. of pile points.	m		95.25		95.25
6	Boring through rock, up to 9 m depth for 20 nos. of pile points. Rate to include natural and artificial hard material.	m		160.91		160.91
7	Supply and install 177.8 mm OD API pipe Grade N-80.	m		192.31		192.31
8	Grouting with non-shrink cement grout Grade C30 as specified into drilled hole. Rate shall include excess cement required when the grout volume exceeded the theoretical volume.	no.		459.20		459.20
9	Cut-off piles. Rate to include preparing heads.			51.40		51.40
10	PDA test on 250 mm diameter micropile.	no.		1,789.40		1,789.40

BAHAGIAN 3.6 : PILING WORK (CLASS H)

BIL	KETERANGAN KERJA	UNIT	PURATA KADAR HARGA 2013 (RM)			
			KAWASAN UTARA	KAWASAN TENGAH	KAWASAN TIMUR	KESELURUHAN
	<u>PRECAST REINFORCED CONCRETE PILES</u>					
	Supply					
11	Supply 125mm x 125mm Precast R.C piles, of 3m length.	no.		90.81		90.81
12	Supply 150mm x 150mm Precast R.C initial piles, of 6m length.	no.	170.00	120.00		145.00
13	Supply 300mm x 300mm Precast R.C initial piles, of 12m length.	no.		890.00		890.00
	Handle, Pitch and Drive					
14	Handle, pitch and drive 125mmx125mm Precast R.C piles.	m		13.73		13.73
15	Handle, pitch and drive 150mmx150mm Precast R.C piles.	m	16.25	15.30		15.78
16	Handle, pitch and drive 300mmx300mm Precast R.C piles.	m		21.00		21.00
	Cut off piles and remove surplus length.					
17	Cut off and remove surplus length of 125mm x 125mm RC piles including preparing piles head.	no.		23.63		23.63
18	Cut off and remove surplus length of 150mm x 150mm RC piles including preparing piles head.	no.		50.00		50.00
19	Cut off and remove surplus length of 300mm x 300mm RC piles including preparing piles head.	no.		65.00		65.00

BAHAGIAN 3.6 : PILING WORK (CLASS H)

BIL	KETERANGAN KERJA	UNIT	PURATA KADAR HARGA 2013 (RM)			
			KAWASAN UTARA	KAWASAN TENGAH	KAWASAN TIMUR	KESELURUHAN
	<u>INTERLOCKING STEEL SHEET PILE</u> <u>Interlocking steel sheet piles, 5 mm thick, section modulus of 500cm³/m.</u>					
20	Provision of all necessary piling plant and equipment, transportation to the Site, handling, assembling, and removal off the Site after completion of operation.	sum		5,166.67		5,166.67
21	Moving and handling of all piling plant and equipment within the Site and from location to location as often as is, and whenever necessary for the execution of the whole piling operation.	sum		8,555.56		8,555.56
22	Supply and deliver to site; in 6 m length.	m		789.00		789.00
23	Paint, pitch and depth driven.	m ²		82.00		82.00
24	Cut-off piles including preparing heads and dispose off site surplus material.	m		59.50		59.50
25	Supply Interlocking Grade 43A steel sheet piles , at 136.4kg/m ² , section modulus of 2240cm ³ /m in 12m length.	m		351.40		351.40

BAHAGIAN 3.6 : PILING WORK (CLASS H)

BIL	KETERANGAN KERJA	UNIT	PURATA KADAR HARGA 2013 (RM)			
			KAWASAN UTARA	KAWASAN TENGAH	KAWASAN TIMUR	KESELURUHAN
PILE TEST						
26	Carry out initial maintained load test to 2.0 times of maximum working load of 5500kN in accordance with the Specification.	no.		44,370.00		44,370.00
27	Carry out subsequent maintained load test to 2.0 times of maximum working load of 5500kN in accordance with the Specification.	no.		32,800.00		32,800.00
28	Carry out pile integrity test using impulse response method in accordance with the Specification.	no.		1,500.00		1,500.00
29	Carry out integrity test using sonic logging method in accordance with the Specification.	no.		2,400.00		2,400.00
30	Carry out pile driving analyer (PDA) in accordance with the Specification.	no.		3,000.00		3,000.00