Dokumen Meja Terkawal

DOKUMEN MEJA

JABATAN PENGAIRAN DAN SALIRAN NEGERI SELANGOR

Sebutharga untuk kerja Bahagian Saliran Mesra Alam (BSMA), JPS Negeri Selangor

Kepada:

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Sebutharga kerja untuk: **BSMA**
No. Sebutharga : **JPS/N/BSMA/CP/33/2026(SH)**

Sebutharga dikeluarkan oleh :
Ketua Penolong Pengarah
Bahagian Saliran Mesra Alam
JPS Negeri Selangor

Tarikh : 28 OKTOBER 2026

Sila sebutkan harga bagi mengadakan segala bahan-bahan, peralatan, jentera dan tenaga buruh serta mengikuti syarat-syarat yang ditentukan bagi kerja:-

KERJA-KERJA PENYIASATAN TANAH UNTUK REKABENTUK TERPERINCI BAGI PROJEK TEBATAN BANJIR TAMAN SRI JAROMAS DAN KAWASAN SEKITAR, MUKIM TANJUNG DUA BELAS, DAERAH KUALA LANGAT,SELANGOR DARUL EHSAN.

Tawaran akan ditutup pada 12.00 tengahari **5 NOVEMBER 2026** di **Pejabat Jabatan Pengairan dan Saliran Negeri Selangor, Selangor Darul Ehsan**. Tawaran hendaklah di masukkan kedalam sampul surat bermeteri yang di tandakan di sudut kanan Rujukan Sebutharga.

Bil	Butir-butir kerja	Unit	Kuantiti	Harga (RM)	Jumlah (RM)
1.0	**GENERAL CONDITION AND PRELIMINARIES**				
1.1	Allow for compliance with the terms of the Specification	L.Sum	-		
1.2	Allow for provision of professional attendence on site for the duration of the contract specifically Professional Geologist and Professional Geotechnical Engineer	L.Sum	-		
1.3	Provide two (2) number copies of Interim Factual Report and four (4) number copies of complete Final Factual Report, one compiled and bound set of all raw field and Laboratory sheets and one copy of Factual Report in electronics format.	L.Sum	-		
1.4	Allow for Licensed Surveyor for setting up of all test locations, take levels and coordinates. This including all boreholes and machintosh probes testing points.	L.Sum	-		
	JUMLAH DI BAWA KE MS B/2				

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Bil	Butir-butir kerja	Unit	Kuantiti	Harga (RM)	Jumlah (RM)
	JUMLAH DIBAWA DARI MS B/1				
1.5	Allow for provision of photographs in electronic.	L.Sum	-		
2.0	**BORING PLANTS AND FIELD TESTS**				
2.1	**Boring Plant: Mobilisation**				
2.1.1	Bring the boring plant to the site and remove the same from site after completion of boring including materials, installation, dismantling and removal from site after completion	L.Sum			
2.1.2	Move the boring plant from one borehole position to the next, including dismantling it at the old position.	no	6		
2.2	**Rotary Wash Boring**				
	Carry out rotary wash boring whether cased or uncased, using water as flushing medium or as otherwise specified by S.O.				
2.2.1	Depth from existing ground level not exceeding (n.e.) 10m	m	60		
2.2.2	- Ditto - exceeding 10m but n.e 20m	m	60		
2.2.3	- Ditto - exceeding 20m but n.e 30m	m	60		
2.2.4	- Ditto - exceeding 30m but n.e 40m	m	60		
2.3	**Rotary Core Drilling**				
	Carry out diamond rotary rock core drilling				
2.3.1	Depth from existing ground level not exceeding (n.e.) 10m	m	*rate only*		
2.3.2	- Ditto - exceeding 10m but n.e 20m	m	18		
2.3.3	- Ditto - exceeding 20m but n.e 30m	m	*rate only*		
2.3.4	- Ditto - exceeding 30m but n.e 40m	m	*rate only*		
	JUMLAH DIBAWA KE MS B/3				

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Bil	Butir-butir kerja	Unit	Kuantiti	Harga (RM)	Jumlah (RM)
	JUMLAH DIBAWA DARI MS B/2				
2.4	**Standard Penetration Test (SPT)**				
	Carry out standard penetration test				
2.4.1	Depth from existing ground level not exceeding 10m	no	48		
2.4.2	- Ditto - exceeding 10m but n.e 20m	no	42		
2.4.3	- Ditto - exceeding 20m but n.e. 30m	no	42		
2.4.4	- Ditto - exceeding 30m but n.e 40m	no	42		
2.5	**Disturbed Samples**				
	Obtain disturbed samples from split barrel tube or as otherwise specified by S.O.:				
2.5.1	Depth from existing ground level not exceeding (n.e) 10m	no	48		
2.5.2	- Ditto - exceeding 10m but n.e 20m	no	42		
2.5.3	- Ditto - exceeding 20m but n.e. 30m	no	42		
2.5.4	- Ditto - exceeding 30m but n.e 40m	no	42		
2.6	**Undisturbed Samples**				
	Obtain 76.2mm dia. undisturbed samples with stationary piston sampler				
2.6.1	Depth from existing ground level not exceeding (n.e.) 10m	no	12		
2.6.2	- Ditto - exceeding 10m but n.e 20m	no	6		
2.6.3	- Ditto - exceeding 20m but n.e 30m	no	6		
2.6.4	- Ditto - exceeding 30m but n.e 40m	no			
2.7	**Other In-Borehole Tests**				
2.7.1	Carry out ground water level observation in borehole	no	5		
	JUMLAH DI BAWA KE MUKA SURAT B/4				

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Bil	Butir-butir kerja	Unit	Kuantiti	Harga (RM)	Jumlah (RM)
	JUMLAH DIBAWA DARI MS B/3				
2.8	**Penetration Vane Shear Test** Carry out Vane Shear Test using Penetration Vane sampler:				
2.8.1	Depth from existing ground level not exceeding (n.e.) 10m	no	18		
2.8.2	- Ditto - exceeding 10m but n.e. 20m	no	12		
3.0	**LABORATORY TESTING**				
3.1	**Classification Test** Carry out classification tests in accordance with BS 1377:Part 2:1990 or as otherwise specified by S.O.				
3.1.1	Moisture Content (Method 3)	no	20		
3.1.2	Liquid Limit }	no	20		
3.1.3	Plastic Limit } (Method 4 & 5)	no	20		
3.1.4	Plasticity Index }	no	20		
3.1.5	Specific Gravity (Method 8)	no	20		
3.1.6	Linear Shrinkage (Method 6)	no	20		
3.1.7	Bulk Density	no	20		
3.1.8	Dry Density	no	20		
3.1.9	Particle size distribution for coarse-grained soil wet sieving (Method 9.2)	no	10		
3.1.10	Particle size distribution for fine-grained soil - hydrometer (Method 9.5)	no	10		
	JUMLAH DI BAWA KE MUKA SURAT B/5				

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Bil	Butir - butir kerja	Unit	Kuantiti	Harga (RM)	Jumlah (RM)
	JUMLAH DIBAWA DARI MS B/4				
3.2	**Strength Test on Soil**				
3.2.1	Unconsolidated Undrained Triaxial Test on a 38mm diameter; 3 specimen for undisturbed sample	no	15		
3.2.2	Consolidated Undrained Triaxial Test (CIU) with pore pressure and volume change measurement on a set of 1 specimen of 38 mm diameter samples				
	- Ditto - on 50mm diameter samples	no	10		
3.3	**Compressibility Test**				
	Carry out compressibility tests in accordance with BS 1377: Part 5: 1990				
3.3.1	Determine one-dimensional consolidation characteristics using oedometer (Method 3); 6 loadings and 3 loadings	No	5		
3.4	**Soils Chemical Tests**				
	Carry out chemical tests on soil or water samples:				
3.4.1	Organic matter content	no	6		
3.4.2	Total sulphate content	no	6		
3.4.3	Sulphate content of ground water	no	6		
3.4.4	pH value	no	6		
3.4.5	Chloride Content	no	6		
3.5	**Mackintosh Probe**				
3.5.1	To carry out Mackintosh probe test until 400 blows/ft or maximumm 15m depth	no	11		
	JUMLAH DI BAWA KE MUKA SURAT B/6				

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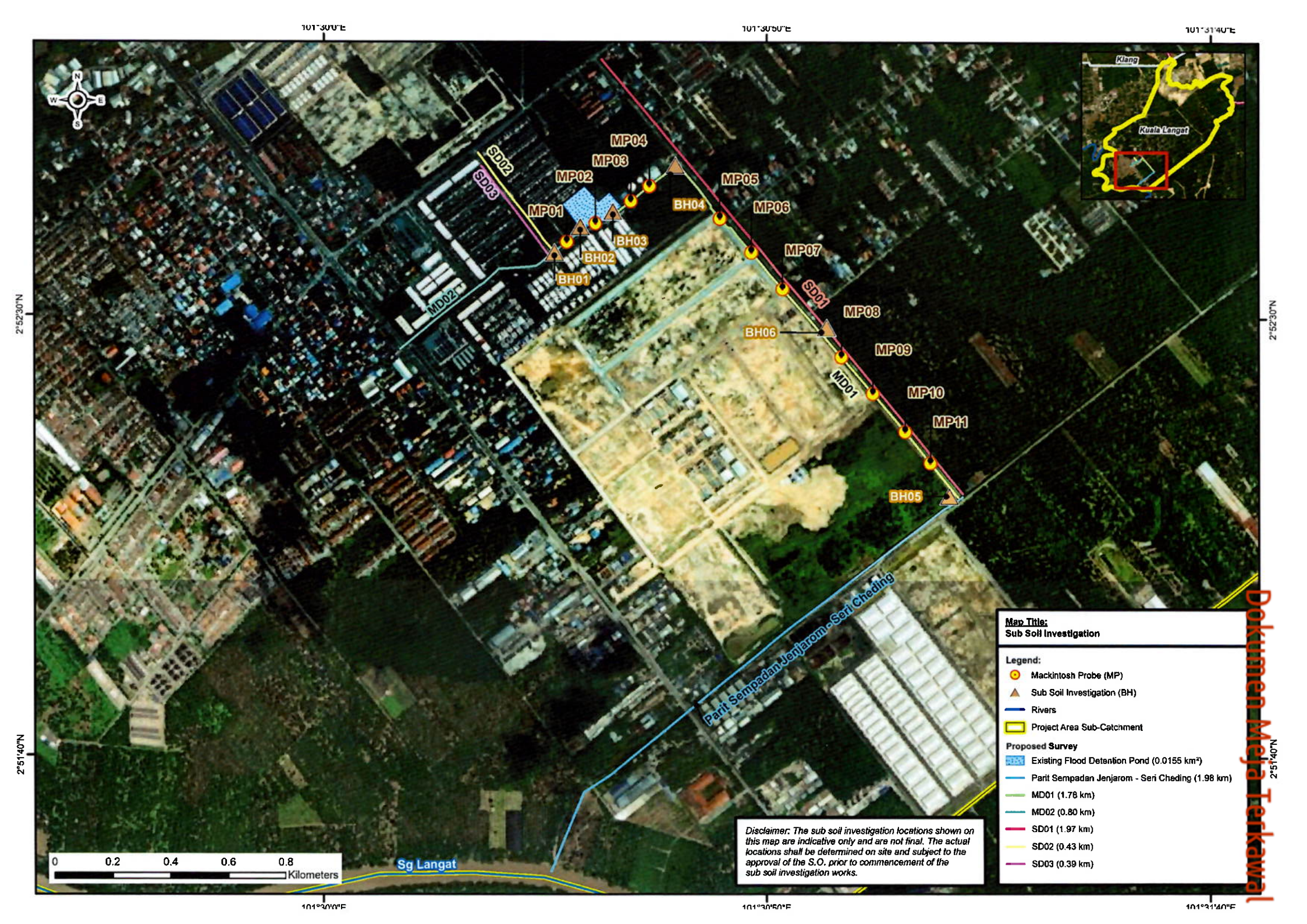
Bil	Butir - butir kerja	Unit	Kuantiti	Harga (RM)	Jumlah (RM)
	JUMLAH DIBAWA DARI MS B/5				
	JUMLAH KESELURUHAN				

RINGGIT MALAYSIA : .....

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TEMPOH KERJA DISIAPKAN : 4 MINGGU

B/6


101°30'0"E
101°30'50"E
101°31'40"E
2°52'30"N
2°51'40"N
N
W
E
S
Klang
Kuala Langat
MP01
MP02
MP03
MP04
MP05
MP06
MP07
MP08
MP09
MP10
MP11
BH01
BH02
BH03
BH04
BH05
BH06
SD01
SD02
SD03
MD01
MD02
Parit Sempadan Jenjarom - Seri Cheding
Sg Langat
0
0.2
0.4
0.6
0.8
Kilometers
Map Title:
Sub Soil Investigation
Legend:
Mackintosh Probe (MP)
Sub Soil Investigation (BH)
Rivers
Project Area Sub-Catchment
Proposed Survey
Existing Flood Detention Pond (0.0155 km²)
Parit Sempadan Jenjarom - Seri Cheding (1.98 km)
MD01 (1.76 km)
MD02 (0.80 km)
SD01 (1.97 km)
SD02 (0.43 km)
SD03 (0.39 km)
Disclaimer: The sub soil investigation locations shown on this map are indicative only and are not final. The actual locations shall be determined on site and subject to the approval of the S.O. prior to commencement of the sub soil investigation works.
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