Dokumen Meja Terkawal

DOKUMEN MEJA

JABATAN PENGAIRAN DAN SALIRAN NEGERI SELANGOR

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

Kepada:

.....
.....
.....

Sebutharga kerja untuk: **Kerja Penyiasatan Tanah**
No. Sebutharga : **JPS/N/BSMA/CP/32/2026(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 BAGI REKABENTUK TERPERINCI PROJEK MENAIKTARAF SISTEM SALIRAN DAN LAIN-LAIN KERJA BERKAITAN DI TAMAN SERI ALAM, DAERAH KUALA SELANGOR, SELANGOR.

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	Traffic & Safety Management				
1.2	Allow for expenditure in complying with local authorities requirement for traffic and safety management per borehole location	L.Sum	-	-	
2.0	**DEEP BORING** (Notes : Rate to include ground water observation)				
2.1	**MOBILIZATION & DEMOBILIZATION**				
2.1.1	Mobilization of plant and all necessary equipment to site and removal on completion of work. Notes : Include Pontoon at Detention Pond	L.S	-	-	
	JUMLAH DI BAWA KE MS B/2				

Dokumen Meja Terkawal

Bil	Butir-butir kerja	Unit	Kuantiti	Harga (RM)	Jumlah (RM)
	JUMLAH DIBAWA DARI MS B/1				
2.1.2	Shifting of boring plant from one point to another point. Rate to include erecting and dis-assemble of boring plant.	No.	2		
2.2	**BORING IN SOIL**				
	Carrying out vertical boring in soil using boring equipment (NW size) for depth measured from Commencing Surface using suitable drilling medium. Rate to include provision of casing where necessary.	No.	6		
	a) Not exceeding 10 m.				
	b) Ditto exceeding 10 m but n.e. 20 m				
	c) Ditto exceeding 20 m but n.e. 30 m				
	d) Ditto exceeding 30 m but n.e. 40 m				
3.0	**LABORATORY TEST**				
3.1	All laboratory test shall consists of rock/soil/water samples as directed by S.O and rate to include preparation of specimens. Carry out classification test in accordance with BS 1377:Part 2:1990 or otherwise specified by S.O				
3.1.1	Classification Test				
	a. Moisture content test	No.	48		
	b. Liquid Limit	No.	48		
	c. Plastic Limit	No.	48		
	d. Plasticity Index	No.	48		
	e. Bulk and Dry Density	No.	12		
	f. Particle size distribution for coarse grained soils	No.	48		
	g. Particle size distribution for fine grained soils	No.	48		
	h. Specific Gravity	No.	12		
	Note: 8 sample per BH				
	JUMLAH DIBAWA KE MS B/3				

Dokumen Meja Terkawal

Bil	Butir-butir kerja	Unit	Kuantiti	Harga (RM)	Jumlah (RM)
	JUMLAH DIBAWA DARI MS B/2				
4.0	**ELECTROCHEMICAL TEST**				
4.1	To carry out chemical test on Soil Samples for Organic Matter, Chloride, Sulphate, Sulphite and pH value	Set	6		
5.0	**SOIL STRENGTH TESTS**				
5.1	Soil Strength Tests (Each set shall consist of 3 nos. of undisturbed specimen)				
	a) Unconsolidated undrained triaxial (UU) compression with pore water pressure measurement on a 38mm dia. Specimen	No.	6		
	b) Unconsolidated undrained triaxial (UU) compression with pore water pressure measurement on 50mm dia. Specimen	No.	1		
	c) Consolidated undrained triaxial (CIU) compression test with pore water pressure and volume change measurement on a set of 3 specimen of 38mm dia. Samples	No.	2		
	d) Ditto- on 50mm dia. Samples	No.	2		
6.0	**COMPRESSIBILITY TEST (SOIL)**				
6.1	One dimension considated test	No.	6		
	JUMLAH DI BAWA KE MUKA SURAT B/4				

Dokumen Meja Terkawal

Bil	Butir-butir kerja	Unit	Kuantiti	Harga (RM)	Jumlah (RM)
	JUMLAH DIBAWA DARI MS B/3				
7.0	**ROCK STRENGTH TEST**				
7.1	Carry out unconfined compressive strength determination in accordance with ASTM D2938-86 on intact rock cores.	No.	6		
7.2	Carry out Point Load Test (D= Diameter or Depth)	No.	6		
8.0	**MACKINTOSH PROBE**				
8.1	To carry out Mackintosh Probe test until 400blows/ft or maximum 15m depth	No.	13		
9.0	**FACTUAL REPORT**				
9.1	Preparation & submission of 3 copies of factual soil investigation hardcopy report & a pdf copy with PGEO/PE Endorsement	L.S	-		
	JUMLAH KESELURUHAN				

RINGGIT MALAYSIA : .....

.....

TEMPOH KERJA DISIAPKAN : 4 MINGGU



No	Point Ref.	Coordinate	
		Northing	Easting
1	BH1	3 203490	101468457
2	BH2	3 203663	101468288
3	BH3	3 206103	101469483
4	BH4	3 206376	101469561
5	BH5	3 206511	101469655
6	BH6	3 206397	101469701
7	MP1	3 203561	101468839
8	MP2	3 204559	101469316
9	MP3	3 204186	101469392
10	MP4	3 206354	101469391
11	MP5	3 206607	101469502
12	MP6	3 206602	101469631
13	MP7	3 206397	101469718
14	MP8	3 206308	101469724
15	MP9	3 207912	101469722
16	MP10	3 208236	101469713
17	MP11	3 207854	101469749
18	MP12	3 207793	101469721
19	MP13	3 205163	101469645