

NO. SEBUT HARGA : MBSJ.KUB.400-5/7/1109

BIL	HURAIAN KERJA	UNIT	KUANTITI	KADAR (RM)	JUMLAH (RM)
	<p><i>Kuantiti bagi kerja-kerja berikut adalah sementara (Provisional Quantity), Bayaran akan dibuat berdasarkan kepada kuantiti sebenar di tapak yang akan dikira semula setelah kerja siap.</i></p> <p><i>The soil investigation (S.I) works shall be carried out for sixteen (16) sites which are Tapak Kajian 16 as shown in the General Layout Plan in Figure 1.0</i></p> <p><u>DEEP BORING WITH BORING PLANT (16 SITES)</u> BORING PLANT - MOBILIZATION AND DEMOBILIZATION</p> <p><i>The location of the proposed boreholes (BH) and Machintosh Probes (MP) for each sites (Tapak Kajian 1 until Tapak Kajian 16) is shown in Figure 1.1 until Figure 1.16.</i></p>				
A	<p><i>Bring the deep boring plant and all associated equipment to site at the first borehole location and assemble the same at the first borehole location which is in shallow water without the need for any staging and/or barge. The rate shall include maintaining the plant on the site during the duration of the Contract and demobilise the plant from the site upon completion of all works.</i></p>	BORONG	-		
B	<p><i>Preparation for the movement of deep boring plant and all associated equipment from one borehole location to the next, including dismantling at the previous location and assembling at the next location which is in shallow water.</i></p>	Movement	21		
	<p>Rotary Drilling. (All Provisional) Carry out rotary drilling, whether cased or uncased :-</p>				
C	<p><i>From existing ground level to a depth not exceeding 10 metres.</i></p>	M	210		
D	<p><i>From a depth exceeding 10 metres to a depth not exceeding 20 metres.</i></p>	M	210		
E	<p><i>From a depth exceeding 20 metres to a depth not exceeding 30 metres.</i></p>	M	210		
	<p>Field Tests (All Provisional) Carry out Standard Penetration Test and Collect disturbed samples :-</p>				
F	<p><i>At a depth between existing ground level and the depth not exceeding 10 metres.</i></p>	NOS	63		
G	<p><i>At a depth exceeding 10 metres to a depth not exceeding 20 metres.</i></p>	NOS	63		
H	<p><i>At a depth exceeding 20 metres to a depth not exceeding 30 metres.</i></p>	NOS	63		
JUMLAH DIBAWA KE BELAKANG :					

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	JUMLAH DIBAWA DARI HADAPAN :				
	<i>Kuantiti bagi kerja-kerja berikut adalah sementara (Provisional Quantity), Bayaran akan dibuat berdasarkan kepada kuantiti sebenar di tapak yang akan dikira semula setelah kerja siap.</i>				
	Sampling. (All Provisional) Obtain Undisturbed Samples using thin wall tube sampler with minimum outer diameter of 63.5mm :-				
A	<i>At a depth between existing ground level and the depth not exceeding 10 metres.</i>	NOS	42		
B	<i>At a depth exceeding 10 metres to a depth not exceeding 20 metres.</i>	NOS	42		
C	<i>At a depth exceeding 20 metres to a depth not exceeding 30 metres.</i>	NOS	21		
	OTHER FIELD TESTS				
	Collecting Water Samples				
D	<i>Collect 1 litre of representative ground water sample in a water tight, clean container from a deep borehole.</i>	NOS	21		
	JKR or Mackintosh Probes				
E	<i>Carry out JKR or Mackintosh Probes to a depth not exceeding 15m.</i>	M	1,188		
	Photographs				
E	<i>Take and supply mounted 3R size photographs for all extracted rock cores, soil samples or such portion of the works in progress as directed by the S.O. The rate shall be for one set consisting of one negative and seven (7) prints.</i>	SET	21		
	Laboratory Tests (Test number mentioned are those given in BS 1377 : 1990 : Parts 1 to 9, unless otherwise stated)				
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BIL	HURAIAN KERJA	UNIT	KUANTITI	KADAR (RM)	JUMLAH (RM)
	JUMLAH DIBAWA DARI HADAPAN :				
	<i>Kuantiti bagi kerja-kerja berikut adalah sementara (Provisional Quantity), Bayaran akan dibuat berdasarkan kepada kuantiti sebenar di tapak yang akan dikira semula setelah kerja siap.</i>				
	Classification Tests. (All Provisional) Carry out classification tests :-				
A	Moisture Content	NOS	294		
B	Liquid Limit	NOS	294		
C	Plastic Limit	NOS	294		
D	Specific Gravity	NOS	294		
E	Particle size distribution for coarse-grained soils	NOS	294		
F	Particle size distribution for fine-grained soils including sieve analysis.	NOS	294		
	Soil Strength Tests. (All Provisional) Carry out strength tests on Undisturbed soil samples :-				
G	Similar to Item H (page BQ3/3) but involving at least three (3) specimens to obtain the cohesion value and friction angle.	SERIES	189		
H	Consolidated undrained triaxial compression test with pore water pressure measurement in accordance with the Method recommended by Bishop and Hankel. At least three (3) specimens are required to obtain the cohesion value and friction angles.	SERIES	66		
J	One-dimensional Consolidation Test on undisturbed samples according to BS 1377 : Part 6 : 1990 for up to nine (9) loading stages.	NOS	21		
	Chemical Tests. (All Provisional) Carry out chemical test on Soil or Water Samples :-				
K	Organic matter content	NOS	21		
L	Total Sulphate content	NOS	21		
M	Sulphate content of ground water	NOS	21		
N	pH value	NOS	21		
	Rock Strength Tests. (All Provisional)				
P	Uniaxial compression test, modulus determination and poisson ratio on intact roc cores in accordance to ASTM D2938-86 or equivalent	NOS	12		
JUMLAH DIBAWA KE RINGKASAN SEBUT HARGA :					