

**TABLE 13E**

**HYDROGRAPHIC SURVEY FOR TERRITORIAL WATERS**

		RM
1)	Basic charge	3,380.00
2)	Charge for mobilisation and demobilisation of one field party	
	below 50 km	1,690.00
	50 km up to 150 km	3,380.00
	above 150 km to 300 km	5,070.00
	above 300 km	6,760.00
3)	Planimetric control survey	
	Flat to undulating below 15 degree of slope	8.00 per metre
	Hilly above 15 degree of slope	9.00 per metre
	Fresh water swamp	11.00 per metre
	Tidal swamp	12.00 per metre
4)	Height control survey	RM 2,940.00 per kilometre
4A)	Charge for establishing controls by Global Navigation Satellites System (GNSS) point positioning is as provided under TABLE 11 (Control Point Positioning by Satellite)	
5)	Shoreline profiling	
	Cost per kilometre -	

<i>Classification of Terrain and Ground Condition</i>	<i>Base Line &amp; Height control</i> RM	<i>Topographical (Onshore) Profiling at interval of</i>		
		<i>25 metres</i> RM	<i>50 metres</i> RM	<i>100 metres and above</i> RM
Flat and Undulating area	4,680.00	3,900.00	3,510.00	3,120.00
Swampy area	6,240.00	5,460.00	5,070.00	4,680.00
Tidal area	7,020.00	6,240.00	5,850.00	5,460.00

\* If area is built-up (i.e. area with man-made structure such as building, road, fence, drain, hedge, cutting, embankment and etc.), a charge of RM 8, 000.00 per kilometre will be incurred in addition to the above.

6)	Bathymetric profiling –	
	Profiles at interval of	Cost per kilometer
		RM
	25 metres	1,520.00
	50 metres	2,040.00
	100 metres or more	2,550.00
	Subject to a minimum of RM 15,000.00 per job	
7)	Side Scan Survey / Seismic Survey/ Magnetic Field Survey -	
	Profiles at interval of	Cost per kilometer
		RM

25 metres	1,520.00
50 metres	2,040.00
100 metres or more	2,550.00

Subject to a minimum of RM 15,000.00 per job

- 8) Tidal observation -  
Cost per location -

- a) Automatic Water Level Recording -

Period	Installation RM	Measurement and Data Processing RM
14 days or less	12,350.00	17,160.00
30 days	12,350.00	41,600.00

- b) Direct Reading –

	RM
Installation	3,120.00
Direct Observation	65.00 per hour subject to a minimum of 3,380.00 per job

- 9) Current measurement -  
Cost per location –

- a) Self- recording current measurement:

Period	Installation RM	Measurement and Data Processing RM
14 days or less	24,050.00	67,210.00
30 days	24,050.00	135,590.00

- b) Direct Reading –

	RM
Installation	6,175.00
Direct Observation	1,040.00 per hour subject to a minimum of 13,390.00 per job

- 10) Seawater temperature and salinity measurement-  
Cost per location -

	RM
Installation	6,175.00
Direct Observation	1,040.00 per hour subject to a minimum of 13,390.00 per job

- 11) Seabed soil/Seawater sampling RM 858.00 per sample subject to a minimum charge of RM 4,290.00

- 12) Construction or establishment of temporary bench mark –

- (a) with concreting RM 1,040.00 per monument

- |      |   |   |
|------|---|---|
|      | (b) without concreting  | RM 780.00 per monument  |
| 13)  | Survey of strip with detail   | As per rates prescribed under Table 13B                                     |
| 14)  | Preparation of report and submission  | 5% of the total survey fees chargeable a minimum fee is RM 8,580.00 per job |
| 15)  | Preparation of proposed land acquisition plan–  |   |
|      | a) RM75.00 per boundary line to a minimum of RM 3,380.00 per plan; and  |   |
|      | b) Disbursement, where applicable, as provided in Table 14.   |   |
| 15A) | The above charges are applicable when the survey worksite is within 1 kilometre from the nearest motorable road. For distances beyond the first kilometre, additional charges are to be applied as follows:       |   |
|      | 0 kilometre to 1 kilometre  | No additional charge  |
|      | Above 1 kilometre but not more than 5 kilometres  | Add 20% of 3, 4, 4A, 5, 6, 7, 8, 9, 10, 11, 12 and 13 above                 |
|      | Above 5 kilometres but not more than 10 kilometres  | Add 40% of 3, 4, 4A, 5, 6, 7, 8, 9, 10, 11, 12 and 13 above                 |
|      | Above 10 kilometres   | Add 70% of 3, 4, 4A, 5, 6, 7, 8, 9, 10, 11, 12 and 13 above                 |
| 16)  | In security areas –   |   |
|      | (a) Where a security pass or permit is required from the relevant authority, an additional charge of twenty five per cent of the survey fee is applicable; or   |   |
|      | (b) Where an armed escort is required and working hours are dictated by the relevant authority, an additional charge of fifty per cent of the survey fee is applicable; and                                       |   |
|      | (c) Where there is a waiting time after mobilization due to circumstances beyond the control of the Licensed Surveyor, an additional charge of RM 3,380.00 per day shall be applicable up to a maximum of 7 days. |   |
| 17)  | Boat/Ship Rental  | as per actual cost  |
| 18)  | Supply of plans   | RM 50.00 per plan   |