

Laboratory Tests
2016

Item	Description of Work	Rate (RM)
1.0	<u>Concrete</u>	
1.1	Cube Compressive Strength (minimum of 3 samples)	30.00/set
1.2	Compressive Strength of Cylinder (including capping)	70.00/sample
1.3	Compressive Strength of Concrete Core + Preparing + Testing	D.O.W
1.4	Split Cylinder Test	80.00
1.5	Flexural Test (500mm x 100mm x 100mm)	70.00
2.0	<u>Coarse Aggregate</u>	
2.1	Sieve Analysis	100.00
2.2	Aggregate Impact Test	250.00
2.3	Aggregate Crushing Value	400.00
2.4	Ten Percent Fines Value Test	400.00
2.5	Water Absorption & Specific Gravity	150.00
3.0	<u>Fine Aggregate</u>	
3.1	Silt Content	80.00
3.2	Water Absorption & Specific Gravity	150.00
3.3	Sieve Analysis	100.00
4.0	<u>Brick</u>	
4.1	Compressive Strength of Bricks (minimum of 10 samples)	20.00/sample
4.2	Initial rate of Absorption and 5 hours Water Absorption tests (Minimum of 10 samples)	20.00/sample
5.0	<u>Cement</u>	
5.1	Standard Consistency & Setting Time	200.00
5.2	Mortar Compressive Strength (Mixing + Moulding + Curing + Testing) (minimum of 3 samples)	150.00/samples
5.3	Flow Test (Mixing + Testing)	120.00
5.4	Compressive Strength of Cement (Mixing + Moulding + Curing + Testing)	300.00

6.0	<u>Non-Destructive Test</u>	
6.1	Rebound Hammer Test (12 readings/location)	D.O.W
6.2	Carbonation Test	D.O.W
6.3	Covermeter Survey	D.O.W
6.4	Half-Cell Survey	D.O.W
6.5	Ultrasonic Pulse Velocity Test	D.O.W
6.6	Strain Monitoring	D.O.W
6.7	Permeability Test (minimum of 3 samples)	200.00/sample
6.8	Porosity Test by Vacuum Saturation (minimum of 3 samples)	120.00/samples

D.O.W = Depends On Location Of Works

* All rates are subject to change without prior notice.