

### **İLLER BANKASI A.Ş. INVESTMENT COORDINATION DEPARTMENT**

## 2019

## **UNIT PRICES OF**

## **GEOLOGIC - GEOTECHNICAL SURVEY AND SERVICE WORKS**,

# **GEOPHYSICAL SURVEY WORKS,**

GROUND AND ROCK MECHANICS LABORATORY TEST WORKS

> İLLER BANKASI A.Ş. ANKARA - 2019



### **İLLER BANKASI A.Ş.** INVESTMENT COORDINATION DEPARTMENT

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This book was translated based on the "İller Bankası A.Ş. 2019 Yılı Birim Fiyatları (İller Bankası A.Ş. 2019 Unit Prices)" documents puplished by the Turkish version of the "İller Bankası A.Ş. 2019 Unit Prices" document shall prevail in understanding and interpreting the English version and resolving any discrepancies.

#### İLLER BANKASI A.Ş. ANKARA ~ 2019

#### **INSTRUCTIONS:**

- 1- If there is a difference between the unit prices in the accounts using these unit prices and the unit prices included in the unit price chart; unit prices in unit price table shall be taken as basis.
- 2- Value Added Tax (VAT) is not included within the market prices and these unit prices used for creating unit prices in unit price chart.
- 3- Even correction list for printing and material faults is not included in Unit Price Chart; these faults shall be deemed to be appropriately corrected in the corection list.
- 4- Materials given in year 2019 market price and unit price list shall conform to our Bank relevant Technical Specifications and TSE standards and ISO certificates.
- 5- Unit prices given in this unit price chart is valid as of 01.01.2019.
- 6- Contractor's profit is not included to market prices used for preparing unit prices in the unit price chart and to these prices.



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PREVIOU	NEW ITEM	WORK NAME	UNIT	UNIT PRICE (TRY)	
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38.1101	41.100.1101	Geologic Survey (1/5000 scaled)	hectare	3,55
38.1102	41.100.1102	Geologic report writing (1/5000 scaled)	hectare	2,04
	r		·	
38.1103	41.100.1103	Geotechnical Survey (1/1000 scaled)	hectare	8,88
38.1104	41.100.1104	Geologic report writing (1/1000 scaled)	hectare	4,29
		Excavating Research or Observation Pit with Construction Machine in Easily Removable Soil Grounds		
38.1110	41.100.1111	Excavating research or observation pits in easily removable soil grounds with construction equipment (0,00 - 2,00 m)	m	48,66
38.1111	41.100.1112	Excavating research or observation pits in easily removable soil grounds with construction equipment (2,01 - 4,00 m)	m	58,47
		Excavating Research or Observation Pit with Construction Machine in Medium Hardness Soil Grounds		
38.1114	41.100.1113	Excavating research or observation pits with construction machnies in medium hardness soil grounds (0,00 - 2,00 m)	m	77,88
38.1115	41.100.1114	Excavating research or observation pits with construction machnies in medium hardness soil grounds (2,01 - 4,00 m)	m	97,30
		Excavating Research or Observation Pit with Construction Machine in Soft Rocks		
38.1118	41.100.1115	Excavating research or observation pits in soft rocks with construction equipment (0,00 - 2,00 m)	m	116,8
38.1119	41.100.1116	Excavating research or observation pits in soft rocks with construction equipment $(2,01 - 4,00 \text{ m})$	m	136,2
		Drilling Borehole for Geotechnical Purposes in Fine Grained Soil (Rotary Aqueous System)		
38.1122	41.100.1121	Drilling borehole for geotechnical purposes on fine grained soil (Rotary water system) (0,00 - 2,00 m)	m	149,9
38.1123	41.100.1122	Drilling borehole for geotechnical purposes on fine grained soil (Rotary water system) (20,01 - 40,00 m)	m	179,8
38.1124	41.100.1123	Drilling borehole for geotechnical purposes on fine grained soil (Rotary water system) (40,01 - 60,00 m)	m	194,4
		Drilling Borehole for Geotechnical Purposes in Fine Grained Soil (Impact, Auger Dry System)		
38.1127	41.100.1124	Drilling Borehole for Geotechnical Purposes in Fine Grained Soil (Impact, Auger Dry System) (0,00 - 20,00 m)	m	128,2
38.1128	41.100.1125	Drilling Borehole for Geotechnical Purposes in Fine Grained Soil (Impact, Auger Dry System) (20,01 - 40,00 m)	m	149,6
38.1129	41.100.1126	Drilling Borehole for Geotechnical Purposes in Fine Grained Soil (Impact, Auger Dry System) (40,01 - 60,00 m)	m	159,8
		Drilling Borehole for Geotechnical Purposes in Coarse Grained Soil (Rotary aqueous system)		
38.1132	41.100.1127	Drilling borehole for geotechnical purposes in coarse grained soil (Rotary aqueous system) (0,00,20,00 m)	m	233,8
38.1133	41.100.1128	Drilling borehole for geotechnical purposes in coarse grained soil (Rotary aqueous system) (20,01 - 40,00 m)	m	254,3
38.1134	41.100.1129	Drilling borehole for geotechnical purposes in coarse grained soil (Rotary aqueous system) (40,01 - 60,00 m)	m	284,3

ITEM NO	ITEM NO	WORK NAME	UNIT	UNIT PRICI
		Drilling Borehole for Geotechnical Purposes in Coarse Grained Soil (Impact, auger dry system)	1	1
38.1137	41.100.1130	Drilling borehole for geotechnical purposes in coarse grained soil (Impact, auger dry system) (0,00 - 20,00 m)	m	192,38
38.1138	41.100.1131	Drilling borehole for geotechnical purposes in coarse grained soil (Impact, auger dry system) (20,01 - 40,00 m)	m	213,76
38.1139	41.100.1132	Drilling borehole for geotechnical purposes in coarse grained soil (Impact, auger dry system) (40,01 - 60,00 m)	m	235,15
		Drilling Borehole for Geotechnical Purposes in Rubble and Blocked Grounds		
38.1142	41.100.1133	Drilling borehole for geotechnical purposes in rubble and blocked soil (0,00 - 20,00 m)	m	359,76
38.1143	41.100.1134	Drilling borehole for geotechnical purposes in rubble and blocked soil (20,01 - 40,00 m)	m	419,74
38.1144	41.100.1135	Drilling borehole for geotechnical purposes in rubble and blocked soil (40,01 - 60,00 m)	m	465,18
		Drilling Borehole for Geotechnical Purposes on Rocks (with Cores)		
38.1147	41.100.1136	Drilling borehole for geotechnical purposes on rocks (with Cores) (0,00 - 20,00 m)	m	314,34
38.1148	41.100.1137	Drilling borehole for geotechnical purposes on rocks (with Cores) (20,01 - 40,00 m)	m	359,76
38.1149	41.100.1138	Drilling borehole for geotechnical purposes on rocks (with Cores) (40,01 - 60,00 m)	m	404,27
			1	
38.1152	41.100.1139	Drilling Borehole for Geotechnical Purposes on Rocks (without Cores) Drilling borehole for geotechnical purposes on rocks (without Cores)		239,86
		(0,00 - 20,00 m) Drilling borehole for geotechnical purposes on rocks (without Cores)	m	,
38.1153	41.100.1140	(20,01 - 40,00 m) Drilling borehole for geotechnical purposes on rocks (without Cores)	m	284,35 314,34
		(40,01 - 60,00 m)		
		Taking Disturbed Samples in Drilling Borehole for Geotechnical Purposes (With Shelby Tube)	- <u>r</u>	ı
38.1157	41.100.1151	Taking undisturbed samples in drilling borehole for geotechnical purposes (With Shelby Tube) (0,00 - 20,00 m)	pcs	85,51
38.1158	41.100.1152	Taking undisturbed samples in drilling borehole for geotechnical purposes (With Shelby Tube) (20,01 - 40,00 m)	pcs	117,10
38.1159	41.100.1153	Taking undisturbed samples in drilling borehole for geotechnical purposes (With Shelby Tube) (40,01 - 60,00 m)	pcs	149,63
		Onsite Test (SPT) in Borehole for Geotechnical Purpose and		
		Taking Disturbed Samples Onsite Test (SPT) in borehole for geotechnical purpose and and taking undisturbed		
38.1163	41.100.1154	samples (0,00 - 20,00 m) Onsite Test (SPT) in borehole for geotechnical purpose and and taking undisturbed	pcs	74,3
38.1164	41.100.1155	samples (20,01 - 40,00 m)	pcs	95,73
38.1165	41.100.1156	Onsite Test (SPT) in borehole for geotechnical purpose and and taking undisturbed samples (40,01 - 60,00 m)	pcs	106,90
38.1168	41.100.1161	Taking undisturbed samples from drilled research pit (with Tube)	pcs	22,69
38.1169	41.100.1162	Taking disturbed samples from drilled research pit for geotechnical purpose	pcs	11,34
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ITEM NO	ITEM NO	WORK NAME	UNIT	UNIT PRICE (TRY)
		Pressiometer Test:		
		Fine Grained Ground:		
38.1175	41.100.1171	Pressiometer test (Fine grained ground: 0.00 - 20.00 m)	pcs	148,72
38.1176	41.100.1172	Pressiometer test (Fine grained ground: 20,01 - 40,00 m)	pcs	167,31
38.1177	41.100.1173	Pressiometer test (Fine grained ground: 40,01 - 60,00 m)	pcs	204,49
	1 1	Coarse Grained Ground:		[
38.1180	41.100.1174	Pressiometer test (Coarse grained ground: 0.00 - 20.00 m)	pcs	223,08
38.1181	41.100.1175	Pessiyometre deneyi (Coarse grained ground: 20,01 - 40,00 m)	pcs	250,97
38.1182	41.100.1176	Pressiometer test (Coarse grained ground: 40,01 - 60,00 m)	pcs	278,86
	1	Rock:		
38.1185	41.100.1177	Pressiometer test (Rock: 0.00 - 20.00 m)	pcs	167,31
38.1186	41.100.1178	Pressiometer test (Rock: 20,01 - 40,00 m)	pcs	204,49
38.1187	41.100.1179	Pressiometer test (Rock: 40,01 - 60,00 m)	pcs	232,38
	1	Conical Penetration Test:		ì
38.1190	41.100.1191	Conical penetration test (0.00 - 20.00 m)	pcs	58,86
38.1191	41.100.1192	Conical penetration test (20,01 - 40,00 m)	pcs	117,73
38.1192	41.100.1193	Conical penetration test (40,01 - 60,00 m)	pcs	176,59
	,	Paleoseismologic Survey Works		1
38.1195	41.100.1201	Drilling Research Trench for Paleoseismologic Survey (Its refilling included)	m³	24,29
38.1196	41.100.1202	Logging and Assessment in Paleoseismologic Research Trench	pcs	1.426,54
38.1197	41.100.1203	Interpreting and Assessing Paleosesimologic Trench	pcs	4.386,14
38.1198	41.100.1204	Report Writing for Paleoseismologic Purposes	pcs	5.218,40
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PREVIOUS ITEM NO	NEW ITEM NO	WORK NAME	UNIT	UNIT PRICE (TRY)
		GEOPHYSICAL SURVEY WORKS		
		Electricity Resistivity Surveys		
38.1201	41.200.1101	Electricity resistivity surveys (h ≤ 25 m)	pcs	122,10
38.1202	41.200.1102	Electricity resistivity surveys (25 < h ≤ 50 m)	pcs	161,32
38.1203	41.200.1103	Electricity resistivity surveys (50h < h ≤ 75 m)	pcs	200,53
38.1204	41.200.1104	Electricity resistivity surveys (h > 75 m)	pcs	357,40
38.1208	41.200.1105	Electricity resistivity surveys (AB / 2 ≤ 500 m)	pcs	387,46
38.1209	41.200.1106	Electricity resistivity surveys (500 < AB / 2 ≤ 1000 m)	pcs	754,58
38.1210	41.200.1107	Electricity resistivity surveys (AB / 2 > 1000 m)	pcs	1.262,72
38.1212	41.200.1108	Electricity resistivity surveys report writing	pcs	42,90
				,
38.1215	41.200.1121	Electricity SP Surveys Electricity SP Surveys (25 m ranges, 1 km)	000	651,65
38.1215	41.200.1121	Electricity SP Surveys (25 m ranges, 1 km) Electricity SP Surveys (50 m ranges, 1 km)	pcs	435,93
30.1210	41.200.1122		pcs	435,95
		Two Dimensioned Electricity Resistivity Surveys:		
38.1220	41.200.1141	Two dimensioned resistivity surveys (24 electrodes, 1 - 5 m)	pcs	500,05
38.1221	41.200.1142	Two dimensioned resistivity surveys (24 electrodes, 6 - 10 m)	pcs	956,44
38.1225	41.200.1143	Two dimensioned resistivity surveys (48 electrodes, 1 - 5 m)	pcs	1.152,46
38.1226	41.200.1144	Two dimensioned resistivity surveys (48 electrodes, 6 -10 m)	pcs	1.891,66
38.1230	41.200.1145	Electricity resistivity surveys report writing (2 dimensioned)	pcs	74,80
38.1235	41,200,1161	Seismic Refraction Surveys (Bilateral Pulse, S Wave Included)           Seismic refraction surveys bilateral pulse, S wave included (h ≤ 30 m)	000	180,17
38.1235	41.200.1161		pcs	248,40
30.1230	41.200.1102	Seismic refraction surveys bilateral pulse, S wave included (h > 30 m)	pcs	240,40
38.1239	41.200.1163	Seismic refraction - surface wave surveys report writing	pcs	74,80
38.1245	41.200.1181	Micro-tremor surveys	pcs	101,67
38.1246	41.200.1182	Micro-tremor surveys report writing	pcs	58,85
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38.1250	41.200.1201	Surface wave surveys (P refraction metering included) (MASW)	pcs	180,17
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ITEM NO	ITEM NO	WORK NAME	UNIT	UNIT PRICE (TRY)
		GROUND AND ROCK MECHANICS LABORATORY TEST WOR	KS	
38.1401	41.300.1101	Extracting Sample from UD tube	pcs	13,98
38.1402	41.300.1102	Determination of water content (Wn) (On disturbed samples)	pcs	38,03
38.1403	41.300.1103	Determination of Grain size distribution of coarse and fine grained (mixed) grounds. (Age method, on disturbed samples)	pcs	68,48
38.1404	41.300.1104	Hydrometer test (On disturbed samples including specific weight)	pcs	133,96
38.1405	41.300.1105	Atterberg limits (Liquid limit, plastic limit, plasticity index on disturbed samples)	pcs	70,65
38.1406	41.300.1106	Specific weight test (On disturbed samples)	pcs	133,96
38.1407	41.300.1107	Consolidation test (including ys, yn and Wn)	pcs	461,47
38.1408	41.300.1108	Consolidation test + Volumetric deformation amount (including ys, yn and Wn)	pcs	510,14
38.1409	41.300.1109	Inflation pressure determination (including ys, yn and Wn in consolidation tool)	pcs	127,22
38.1410	41.300.1110	Single axis pressure test (including ys, yn and Wn on undisturbed sample)	pcs	109,58
38.1411	41.300.1111	3 axis pressure test (including ys, yn and Wn, without consolidation and drianage on undisturbed sample) Shear box test	pcs	153,14
38.1412	41.300.1112	(Including UU, yn and Wn, without consolidation and drianage on undisturbed sample) Determination single axis resistance of the rocks.	pcs	145,05
38.1413	41.300.1113	(By taking sample from rock block, for single sample, yn included) Determination single axis pressure resistance of the rocks.	pcs	57,15
38.1414	41.300.1114	(On ready to use sample, for single sample) (yn included)	pcs	43,03
38.1415	41.300.1115	Point loading test (On ready to use core sample, for single sample)	pcs	35,05
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