



**ILBANK**  
CONSTRUCTIVE POWER OF TURKEY

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

**2019**  
**UNIT PRICES OF**  
**SUPERSTRUCTURE WORKS COOLING**  
**INSTALLATION AND**  
**MONORAIL MECHANISM**

**İLLER BANKASI A.Ş.**  
**ANKARA - 2019**



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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 published 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.*

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## INSTRUCTIONS:

- 1- In case where there is discrepancy with unit prices in accounts where these unit prices are used and unit prices given in unit price chart; prices given in unit price chart shall be take as basis.
- 2- Values Added Tax (VAT) is not included with market prices used for creating unit prices given in unit price chart and to these unit prices.
- 3- Even if the correction list for printing and error of facts in not included within the Unit Price Chart; these mistakes shall be deemed to have corrected in compliance with the correction list.
- 4- Materials given in year 2019 market price and unit price list shall conform to our Bank's relevant Technical Specifications and TSE standards and ISO certificates.
- 5- Chart illustrating new names changed in accordance with standards for the tools given in 2019 market price list is also valid for 2019 Unit Prices in terms of size and tariff.
- 6- Unit prices given in this unit price chart are valid as of 01.01.2019.
- 7- Since the monorail mechanisms involve bill of quantities and pieces no current year price adjustment shall be paid for these mechanisms.
- 8- All materials to be used for manufacture shall be made of TSE AND ISO 9001 certified materials.
- 9- If lamella system preferred to piped system in the monorail line same prices shall be paid.



| NEW ITEM NO                                                              | PREVIOUS ITEM NO | WORK NAME                                  | UNIT | UNIT PRICE AS INSTALLED ( TRY ) | MOUNTING PRICE ( TRY ) |
|--------------------------------------------------------------------------|------------------|--------------------------------------------|------|---------------------------------|------------------------|
| <b>SUPERSTRUCTURE WORKS COOLING INSTALLATION AND MONORAIL MECHANISMS</b> |                  |                                            |      |                                 |                        |
| 001.000                                                                  |                  | <b>Cooling Gas and Tube</b>                |      |                                 |                        |
| 001.100                                                                  | 44.100.1101      | Fr-12 ( 40 kg gas price + tube price )     | pcs  | 1.228,00                        |                        |
| 001.200                                                                  | 44.100.1102      | Fr-12 ( 50 kg gas price + tube price )     | pcs  | 1.545,00                        |                        |
| 001.300                                                                  | 44.100.1103      | Fr-22 ( 40 kg gas price + tube price )     | pcs  | 2.255,00                        |                        |
| 001.400                                                                  | 44.100.1104      | Fr-22 ( 50 kg gas price + tube price )     | pcs  | 2.806,00                        |                        |
| 001.500                                                                  | 44.100.1151      | Ammonia ( 50 kg gas price + tube price )   | pcs  | 999,00                          |                        |
| 001.600                                                                  | 44.100.1152      | Ammonia ( 60 kg gas price + tube price )   | pcs  | 1.199,00                        |                        |
| 001.700                                                                  | 44.100.1153      | R-404A ( 9,8 kg gas price + tube price )   | pcs  | 394,00                          |                        |
| 001.800                                                                  | 44.100.1154      | R-410A ( 11,35 kg gas price + tube price ) | pcs  | 444,00                          |                        |
| 002.000                                                                  |                  | <b>Ammonia Transfer Pumps</b>              |      |                                 |                        |
| 002.100                                                                  | 44.100.1201      | 2 Phases ( 2,0 -5,0 m³ / h, 25,0 mSS )     | pcs  | 14.346,00                       | 891,00                 |
| 002.200                                                                  | 44.100.1202      | 1 Phases ( 10,0 -5,0 m³ / h, 25,0 mSS )    | pcs  | 21.519,00                       | 1.085,00               |
| 002.300                                                                  | 44.100.1203      | 2 Phases ( 10,0 m³ / h, 55 mSS )           | pcs  | 28.692,00                       | 1.085,00               |
| 003.000                                                                  | 44.100.1221      | <b>Air Discharge Device</b>                | pcs  | 389,00                          | 60,00                  |
| 004.000                                                                  |                  | <b>Water Bag</b>                           |      |                                 |                        |
| 004.100                                                                  | 44.100.1251      | Water volume 1/6 lt ( up to Ø50 )          | pcs  | 15,00                           | 4,00                   |
| 004.200                                                                  | 44.100.1252      | Water volume 1/3 lt ( up to Ø70 )          | pcs  | 19,00                           | 7,00                   |
| 005.000                                                                  |                  | <b>Ammonia Liquid Separator</b>            |      |                                 |                        |
| 005.100                                                                  | 44.100.1301      | 20 lt.                                     | pcs  | 296,00                          | 53,00                  |
| 005.200                                                                  | 44.100.1302      | 40 lt.                                     | pcs  | 397,00                          | 64,00                  |
| 005.300                                                                  | 44.100.1303      | 60 lt.                                     | pcs  | 604,00                          | 81,00                  |
| 005.400                                                                  | 44.100.1304      | 100 lt.                                    | pcs  | 1.013,00                        | 85,00                  |
| 005.500                                                                  | 44.100.1305      | 150 lt.                                    | pcs  | 1.271,00                        | 162,00                 |
| 006.100                                                                  | 44.100.1351      | Ice Tank                                   | pcs  | 4.305,00                        | 792,00                 |
| 006.200                                                                  | 44.100.1361      | Pickle Cooler                              | pcs  | 3.587,00                        | 497,00                 |
| 006.300                                                                  | 44.100.1371      | Mixer                                      | pcs  | 668,00                          | 146,00                 |
| 006.400                                                                  |                  | Ice Buckets                                |      |                                 |                        |
| 006.401                                                                  | 44.100.1401      | 12.5 kg.                                   | pcs  | 75,00                           |                        |
| 006.402                                                                  | 44.100.1402      | 25.0 kg.                                   | pcs  | 103,00                          |                        |
| 006.500                                                                  | 44.100.1421      | Bucket Chassis                             | pcs  | 72,00                           | 10,00                  |
| 006.600                                                                  | 44.100.1431      | Tank Isolation and Protective Wall         | pcs  | 1.078,00                        |                        |
| 006.700                                                                  | 44.100.1441      | Crane- Rail and Consoles                   | pcs  | 2.510,00                        | 792,00                 |
| 006.800                                                                  | 44.100.1451      | Deicing Bath                               | pcs  | 554,00                          | 139,00                 |
| 006.900                                                                  | 44.100.1461      | Dumper Scale Details                       | pcs  | 569,00                          | 139,00                 |
| 006.1000                                                                 | 44.100.1471      | Water Filling Mechanism                    | pcs  | 1.078,00                        | 96,00                  |
| 006.1100                                                                 |                  | Pickle Pump                                |      |                                 |                        |
| 006.1101                                                                 | 44.100.1501      | 3,0 - 5,0 m³ / h ( 3,0 - 5,0 mSS )         | pcs  | 749,00                          | 53,00                  |
| 006.1102                                                                 | 44.100.1502      | 3,0 - 5,0 m³ / h ( 5,1 - 10,0 mSS )        | pcs  | 892,00                          | 60,00                  |
| 006.1103                                                                 | 44.100.1503      | 5,1 - 10,0 m³ / h ( 3,0 - 5,0 mSS )        | pcs  | 814,00                          | 46,00                  |
| 006.1104                                                                 | 44.100.1504      | 5,1 - 10,0 m³ / h ( 5,1 - 10,0 mSS )       | pcs  | 927,00                          | 64,00                  |
|                                                                          |                  |                                            |      |                                 |                        |
|                                                                          |                  |                                            |      |                                 |                        |
|                                                                          |                  |                                            |      |                                 |                        |

| NEW ITEM NO                                                                                                                                                                                                                                                                                        | PREVIOUS ITEM NO | WORK NAME                                                                                                                                                                                     | UNIT           | UNIT PRICE AS INSTALLED ( TRY ) | MOUNTING PRICE ( TRY ) |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|---------------------------------|------------------------|
| <b>007.000 Ice Inlet - Outlet Windows</b>                                                                                                                                                                                                                                                          |                  |                                                                                                                                                                                               |                |                                 |                        |
| 007.100                                                                                                                                                                                                                                                                                            |                  | Ice Inlet Window                                                                                                                                                                              |                |                                 |                        |
| 007.101                                                                                                                                                                                                                                                                                            | 44.100.1551      | For 12,5 kg moulds                                                                                                                                                                            | pcs            | 547,00                          | 60,00                  |
| 007.102                                                                                                                                                                                                                                                                                            | 44.100.1552      | For 25,0 kg moulds                                                                                                                                                                            | pcs            | 640,00                          | 60,00                  |
| 007.200                                                                                                                                                                                                                                                                                            | 44.100.1571      | Ice Outlet Window (Wooden Lux.)                                                                                                                                                               | pcs            | 167,00                          | 38,00                  |
| <b>008.000 Serpentine Cooler</b>                                                                                                                                                                                                                                                                   |                  |                                                                                                                                                                                               |                |                                 |                        |
| 008.100                                                                                                                                                                                                                                                                                            | 44.100.1601      | 1.00" ( External diameter 33.7 mm )                                                                                                                                                           | pcs            | 19,00                           | 3,00                   |
| 008.200                                                                                                                                                                                                                                                                                            | 44.100.1602      | 1.25" ( External diameter 42.4 mm )                                                                                                                                                           | pcs            | 19,00                           | 3,00                   |
| 008.300                                                                                                                                                                                                                                                                                            | 44.100.1603      | 1.50" ( External diameter 48.3 mm )                                                                                                                                                           | pcs            | 21,00                           | 3,00                   |
| 008.400                                                                                                                                                                                                                                                                                            | 44.100.1604      | 2.00" ( External diameter 60.3 mm )                                                                                                                                                           | pcs            | 21,00                           | 3,00                   |
| 008.500                                                                                                                                                                                                                                                                                            | 44.100.1605      | 2.25" ( External diameter 76.1 mm )                                                                                                                                                           | pcs            | 37,00                           | 4,00                   |
| 008.600                                                                                                                                                                                                                                                                                            | 44.100.1606      | 3.00" ( External diameter 88.9 mm )                                                                                                                                                           | pcs            | 47,00                           | 7,00                   |
| 009.000                                                                                                                                                                                                                                                                                            | 44.100.1621      | Hydrometer ( For pickle, Glass )                                                                                                                                                              | pcs            | 14,00                           | 3,00                   |
| <b>011.000 Cold Chamber Containment Door</b>                                                                                                                                                                                                                                                       |                  |                                                                                                                                                                                               |                |                                 |                        |
| 011.100                                                                                                                                                                                                                                                                                            | 44.100.1701      | Monorailed ( 90 x 336 cm )                                                                                                                                                                    | pcs            | 1.222,00                        | 132,00                 |
| 011.200                                                                                                                                                                                                                                                                                            | 44.100.1702      | Monorailed ( 90 x 226 cm )                                                                                                                                                                    | pcs            | 1.150,00                        | 124,00                 |
| 011.300                                                                                                                                                                                                                                                                                            | 44.100.1703      | Without monorail ( 90 x 220 cm )                                                                                                                                                              | pcs            | 1.042,00                        | 96,00                  |
| <p>Note 1) In case if the locksmith mechanism is bronze and chromium-plating 10% added to the prices.</p> <p>2) Unit prices for doors made of galvanized sheet shall be taken from our Bank's unit prices, prices of the doors made of stainless steel shall be taken from Y.F.K. unit prices.</p> |                  |                                                                                                                                                                                               |                |                                 |                        |
| 012.000                                                                                                                                                                                                                                                                                            | 44.100.1721      | <b>Slide Cold Chamber Containment Door</b>                                                                                                                                                    | pcs            | 9.686,00                        | 970,00                 |
| <b>013.000 Frozen Cold Chamber Door</b>                                                                                                                                                                                                                                                            |                  |                                                                                                                                                                                               |                |                                 |                        |
| 013.100                                                                                                                                                                                                                                                                                            | 44.100.1751      | Monorailed ( Clear dimension: 90 x 336 cm )                                                                                                                                                   | pcs            | 1.435,00                        | 175,00                 |
| 013.200                                                                                                                                                                                                                                                                                            | 44.100.1752      | Monorailed ( Clear dimension: 90 x 226 cm )                                                                                                                                                   | pcs            | 1.285,00                        | 146,00                 |
| 013.300                                                                                                                                                                                                                                                                                            | 44.100.1753      | Without monorail ( Clear dimension: 90 x 220 cm )                                                                                                                                             | pcs            | 1.150,00                        | 132,00                 |
| 014.000                                                                                                                                                                                                                                                                                            | 44.100.1771      | <b>Freon 12 Control Lamp</b>                                                                                                                                                                  | pcs            | 1.056,00                        |                        |
| <b>015.000 Wall Isolation</b>                                                                                                                                                                                                                                                                      |                  |                                                                                                                                                                                               |                |                                 |                        |
| 015.100                                                                                                                                                                                                                                                                                            | 44.100.1801      | Isolation thickness 10 + 10 cm                                                                                                                                                                | m <sup>2</sup> | 89,00                           |                        |
| 015.200                                                                                                                                                                                                                                                                                            | 44.100.1802      | Isolation thickness: 5 + 10 cm                                                                                                                                                                | m <sup>2</sup> | 81,00                           |                        |
| 015.300                                                                                                                                                                                                                                                                                            | 44.100.1803      | Isolation thickness: 5 + 5 cm                                                                                                                                                                 | m <sup>2</sup> | 75,00                           |                        |
| 015.400                                                                                                                                                                                                                                                                                            | 44.100.1804      | Isolation thickness: 5 cm.                                                                                                                                                                    | m <sup>2</sup> | 67,00                           |                        |
| <b>016.000 Floor Isolation</b>                                                                                                                                                                                                                                                                     |                  |                                                                                                                                                                                               |                |                                 |                        |
| 016.100                                                                                                                                                                                                                                                                                            | 44.100.1851      | Isolation thickness: 10 + 10 cm                                                                                                                                                               | m <sup>2</sup> | 81,00                           |                        |
| 016.200                                                                                                                                                                                                                                                                                            | 44.100.1852      | Isolation thickness: 5 + 10 cm                                                                                                                                                                | m <sup>2</sup> | 75,00                           |                        |
| 016.300                                                                                                                                                                                                                                                                                            | 44.100.1853      | Isolation thickness: 5 + 5 cm                                                                                                                                                                 | m <sup>2</sup> | 67,00                           |                        |
| 016.400                                                                                                                                                                                                                                                                                            | 44.100.1854      | Isolation thickness: 5 cm.                                                                                                                                                                    | m <sup>2</sup> | 64,00                           |                        |
|                                                                                                                                                                                                                                                                                                    |                  | <p>Note 1) Concrete pouring on isolation and mosaic covering shall be further paid from relevant unit prices.</p> <p>2) This practice is valid for tenders in 1998 and forthcoming years.</p> |                |                                 |                        |
|                                                                                                                                                                                                                                                                                                    |                  |                                                                                                                                                                                               |                |                                 |                        |
|                                                                                                                                                                                                                                                                                                    |                  |                                                                                                                                                                                               |                |                                 |                        |
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