Republic of Latvia

Cabinet

Regulation No. 239

Adopted 3 May 2017

**Regulations Regarding the Latvian Construction Standard LBN 501-17, Procedures for the Determination of Construction Costs**

*Issued pursuant to*

*Section 5, Paragraph one, Clause 3 of the Construction Law, Section 20, Paragraph three of the Public Procurement Law, and Section 23, Paragraph three of the Law on the Procurements of Public Service Providers*

1. The Latvian Construction Standard LBN 501-17, Procedures for the Determination of Construction Costs (hereinafter – the Construction Standard), is approved by this Regulation.

2. This Regulation shall apply to the determination of construction costs of structures for which the contracting authorities are subject to the Public Procurement Law and the Law on the Procurements of Public Service Providers.

3. Building designs which have been agreed upon with (accepted by) or submitted for harmonisation to the building authority prior to the date of coming into force of this Regulation shall be subject to Cabinet Regulation No. 330 of 30 June 2015, Regulations Regarding the Latvian Construction Standard LBN 501-15, Procedures for the Determination of Construction Costs. Building designs which have been developed on the basis of planning and architectural orders issued prior to the date of coming into force of this Regulation or construction permits issued from 1 October 2014 until the date of coming into force of this Regulation may be subject to Cabinet Regulation No. 330 of 30 June 2015, Regulations Regarding the Latvian Construction Standard LBN 501-15, Procedures for the Determination of Construction Costs.

4. Cabinet Regulation No. 330 of 30 June 2015, Regulations Regarding the Latvian Construction Standard LBN 501-15, Procedures for the Determination of Construction Costs (*Latvijas Vēstnesis*, 2015, No. 125), is repealed.

Prime Minister Māris Kučinskis

Deputy Prime Minister, Minister for Economics Arvils Ašeradens

Approved by Cabinet Regulation No. 239 of 3 May 2017

**Latvian Construction Standard LBN 501-17, Procedures for the Determination of Construction Costs**

**1. General Provisions**

1. The Construction Standard prescribes:

1.1. the procedures for the determination of construction costs;

1.2. the procedures for the calculation of construction costs for all types of structures or their entirety (structures together with their associated territories, auxiliary structures, technological equipment, and engineering communications), individual construction work, including specialised work, at the stages of determining the contract price for design and construction;

1.3. the sample estimate forms.

2. The Construction Standard shall apply to all types of structures for which the contracting authorities are subject to the Public Procurement Law and the Law on the Procurements of Public Service Providers. The construction costs of transport structures shall be determined in accordance with Chapter 4 of this Construction Standard.

3. Terms used in the Construction Standard:

3.1. scope of construction work – a quantitative indicator of the amount of construction work to be performed which is laid down in the building design documentation and can be verified through measurements or calculations after completing the construction work;

3.2. wage rate – the (gross) hourly wage of a single employee, including State-established payroll taxes and fees;

3.3. labour intensity – the time required to complete a specific construction work in accordance with the description of construction work (with details on the nature of the work to be performed, execution technology and methods, primary construction products used, and the final product of the production process with details on its main operational characteristics), expressed in man-hours;

3.4. machinery costs – the rental or operating costs and depreciation (amortisation) costs of machinery, auxiliary devices, and instruments for performing construction work in accordance with the description of the respective work, and also transportation (relocation) costs of construction products within the construction site;

3.5. estimate – a calculation prepared by a construction specialist regarding the estimated construction costs of the implementation of the building design;

3.6. cost components of the estimate – the aggregate of construction products, building constructions, work expenditure, the wage, construction machine time and its costs determined for the relevant unit of measurement of production in construction and expressed in natural (physical) quantities or in their conditional form (as a percentage);

3.7. direct costs – costs related to the implementation of measures specified in the description of construction work;

3.8. transport structures – structures of motor roads, streets, and railways;

3.9. overheads – additional costs related to the setup and maintenance of the construction site, organisation and management of construction work, labour protection and insurance, and other costs related to the execution of construction work.

4. Construction costs shall include the costs of construction products, labour charges, the rental costs of construction machines and machinery and labour costs, the depreciation (amortisation) or rental costs of instruments, overheads and profit, and also other construction-related costs (such as construction site clearance, relocation of communications, mine clearance).

5. The Construction Standard shall be applied to the calculations of construction work costs of the building design and to determination of the contract price of construction in the following cases:

5.1. by the contracting authorities:

5.1.1. to determine the estimated contract price of procurement;

5.1.2. to prepare the procurement procedure documents (specifications);

5.1.3. to plan financial resources and other resources;

5.1.4. to evaluate the economic efficiency of the building design;

5.1.5. to monitor the implementation of the building design;

5.2. by tenderers and performers of construction work:

5.2.1. to calculate the necessary construction products, labour force, and other resources for the construction offer;

5.2.2. for contractual obligations between the main performer of construction work and the performers of individual construction work;

5.3. by experts and State authorities, to evaluate the construction price offer, including to settle disputes;

5.4. by construction specialists and tenderers for the estimation of the scopes of construction work.

6. The Construction Standard shall be applied to the forecast of the contract price of construction for the building design in the minimum composition if the contracting authority has prepared detailed information on the construction intention.

7. The Construction Standard shall not specify the following costs related to the implementation of the construction intention and the operation of the structure:

7.1. the costs of the acquisition of land and existing structures;

7.2. the costs of the maintenance of structures after they have been put into service.

8. When applying the Construction Standard, the units of measurement and their abbreviations laid down in Cabinet Regulation No. 1186 of 29 October 2013, Regulations Regarding the Units of Measurement, shall be used. Additionally, the following units of measurement and their abbreviations shall be used:

8.1. unit of measurement referring to the number of products – piece (pc);

8.2. set of products or equipment – set;

8.3. unit of measurement referring to the work shift (8 hours) – shift;

8.4. unit of measurement referring to time – 24-hour period (24 h);

8.5. man-hour – m/h;

8.6. machinery working hour or shift (machine shift) – h or m/s;

8.7. wage rate – EUR/h.

9. A construction specialist who is certified for the relevant type of structures and holds the right to independent practice in civil engineering or another related engineering profession is entitled to prepare and verify building design estimates. If the estimate preparer does not hold the relevant certificate, the estimates shall be verified and signed by a certified construction specialist who has the right to do so. If the estimates have been prepared by a certified construction specialist, a second construction specialist’s signature shall not be required.

**2. Construction Estimates Forming Part of the Building Design**

10. The scopes of construction work shall be determined in the building design drawings, lists of scopes, and specifications of construction products which form part of the building design.

11. Construction costs shall be classified based on types of construction work (Annex 1) or the types of construction work and structural elements (Annex 2).

12. Estimates shall include the following cost categories:

12.1. direct costs of construction work;

12.2. overheads;

12.3. profit;

12.4. other contracting authority’s costs related to construction but not classified as construction work. These costs shall be treated as separate cost items only in the contracting authority’s total construction estimate (Annex 3).

13. The building design shall include one set of estimates (Annex 4). The set of estimates may comprise:

13.1. local estimates for a specific structure (Annex 5);

13.2. summary calculations by types of construction work or structural elements (Annex 6);

13.3. one or several total construction estimates (Annex 7).

14. The estimates shall be accompanied by an explanatory description containing the following information:

14.1. characterisation of the execution of construction work and all conditions (including the restrictive ones) or a relevant reference to technical specifications;

14.2. a brief description of the organisation of construction work (the sequence of the execution of construction work, the characterisation of the necessary main resources, and other information) if such information is not included in the building design;

14.3. labour intensity of construction work;

14.4. indications in the economic baseline conditions of the estimate for structures in cases where their construction lasts more than one year or the commencement of their construction has been postponed for the same period.

15. The estimate preparer and verifier shall be responsible for including justified technical and economic information from the building design in the descriptions and calculations of the building design, and also for objectively evaluating the economic conditions of construction and taking these conditions into account when determining cost components. The estimate shall be prepared in conformity with the requirements for drawing up building design documentation.

16. The estimate preparer and verifier shall not be responsible for the conformity of the scopes of construction work specified in the technical specification with the building design drawings.

**3. Preparation of Estimates**

17. The estimates shall be prepared based on:

17.1. the building design, the list of scopes of construction work attached thereto, and building design specifications;

17.2. information on construction work execution technology, construction machines, machinery, tools, and instruments that correspond to the nature and scopes of construction work and their quality requirements;

17.3. cost components of estimates for the relevant types of construction work.

18. The direct costs of construction work shall include:

18.1. the costs of construction products, the costs of the acquisition of construction products related to construction work execution, including transportation costs for their delivery to the construction site, procurement costs, market prices of construction products, import operation taxes, packaging costs (including disposal costs or return revenues), and also losses in the structure production process and rationed use;

18.2. labour costs required for the execution of construction work;

18.3. State-established taxes and fees applicable to the performer of construction work which are related to the implementation of measures specified in the description of construction work, except for the value-added tax;

18.4. costs of the rental or operation of construction machines, devices, machinery, and auxiliary equipment, and also their depreciation (amortisation costs).

19. The estimates shall include gross labour costs, i.e. the wage, including State-established payroll taxes and fees.

20. The overheads and profit shall also be indicated as a percentage in relation to direct costs.

21. The contracting authority shall determine the forecast of building design costs, consisting of a detailed summary calculation (Annex 6) and a total estimate (Annex 3), when developing the technical and economic substantiation.

22. The total construction estimate shall include the contracting authority’s financial reserve for unforeseen work and costs to cover the necessary work discovered during the execution of construction work and the cost increase.

23. If the contracting authority does not prepare the total estimate, the financial reserve for unforeseen work shall be included in the summary calculation (Annex 6).

24. The designer shall prepare a list of scopes of construction work (Annex 8).

25. The tenderer shall include in the price offer the total cost of construction work covering all risks, including potential cost increases, while separately indicating the value-added tax.

26. The quantitative indicators of the amounts of estimate components shall be specified in the estimate with the following accuracy:

26.1. up to the smallest monetary unit for costs;

26.2. no less than four significant figures for other components.

**4. Determination of Costs for Transport Structures**

27. This Construction Standard shall be applied when determining the technical and economic feasibility of designs, planning the financial resources, and evaluating the impact of the building design, taxes, or other changes on the estimated contract price of construction work, and also when evaluating the financial tender and determining the estimated contract price of procurement.

28. During the design phase, the construction costs shall be determined, taking into account the pricing of similar work specified in other concluded contracts on construction work, forecasts of national macroeconomic development indicators, changes and development forecasts in the market of the construction of transport structures, the anticipated terms of the contract on construction work, and other information specified in the contract by the building design contracting authority. The building design shall specify the sources of information used and assumptions on which the cost calculation is based.

29. If more than one year has passed since the approval of the building design, the information used in the building design shall be reviewed and the assumptions on which the cost calculation is based shall be adjusted to market changes, when determining the technical and economic feasibility of the design, planning the financial resources, or determining the estimated contract price of construction work.

30. The tenderer shall submit a list of scopes of construction work (hereinafter – the list) along with the proposed prices as part of the financial tender for the procurement of construction work. The minimum scope of the list is specified in Annex 9 to this Construction Standard. The contracting authority shall attach the list to the procurement regulations (if necessary, the list shall be supplemented with other information).

31. The tenderer shall include in the price of each individually priced work all costs necessary for the performance of the relevant work in conformity with the design requirements outlined in the contract on construction work, including overheads and profit. The costs of work and obligations for which no separate payment is provided for in the contract (i.e. those not listed as individually priced items) shall be included in the price of the priced work in proportion to their relevance to the respective work (item).

32. If the proposed contract price exceeds the estimated contract price or is more than 20% lower than the estimated contract price, the tenderer shall, upon the contracting authority’s request, submit a cost calculation for the list items specified by the contracting authority (Annex 10).

33. If it is necessary to determine the impact of the building design, taxes, or other changes on the contract price in the concluded contract on construction work, the performer of construction work shall prepare a cost calculation (Annex 10) and submit it to the contracting authority within the deadline specified by the contracting authority. The contracting authority may request the performer of construction work to provide justification for the costs indicated in the calculation, including contracts with suppliers and subcontractors, material delivery notes, data on wages of persons involved in the work performance, and payment of employer social tax.

Deputy Prime Minister, Minister for Economics Arvils Ašeradens

**Annex 1**

Latvian Construction Standard LBN 501-17,

Procedures for Determination of Construction Costs

(approved by Cabinet Regulation No. 239 of 3 May 2017)

**Types of Construction Work**

|  |  |  |
| --- | --- | --- |
| No. | Code | Type of construction work |
| **1. General construction work** |
| 1. | 01-00000 | Rental of machines and machinery |
| 2. | 02-00000 | Demolition work |
| 3. | 03-00000 | Construction site preparation work and earthwork |
| 4. | 04-00000 | Pile work |
| 5. | 05-00000 | Concrete and prefabricated reinforced concrete works |
| 6. | 06-00000 | Masonry works for stone, brick, blocks, fireplaces, and furnaces |
| 7. | 07-00000 | Assembly of metal structures |
| 8. | 08-00000 | Carpentry work |
| 9. | 09-00000 | Roof work |
| 10. | 10-00000 | Interior finishing work |
| 11. | 11-00000 | Restoration work |
| 12. | 12-00000 | Glazed systems and glazing work |
| 13. | 13-00000 | Insulation work |
| **2. Specialised interior work** |
| 14. | 14-00000 | Internal water supply systems and their equipment |
| 15. | 15-00000 | Internal gas pipelines and their equipment |
| 16. | 16-00000 | Internal sewerage systems and their equipment |
| 17. | 17-00000 | Heating, ventilation, and air conditioning |
| 18. | 18-00000 | Internal electrical and technical work |
| 19. | 19-00000 | Internal work involving low-intensity current |
| 20. | 20-00000 | Elevators, escalators, and shafts |
| **3. Exterior finishing work and engineering networks** |
| 21. | 21-00000 | Exterior finishing work |
| 22. | 22-00000 | External power networks |
| 23. | 23-00000 | External low-intensity current networks |
| 24. | 24-00000 | External heating networks |
| 25. | 25-00000 | External gas networks |
| 26. | 26-00000 | Oil product networks |
| 27. | 27-00000 | External water supply system and sewerage |
| **4. Miscellaneous work** |
| 28. | 28-00000 | Swimming pools and their equipment |
| 29. | 29-00000 | Environmental protection designs – municipal waste landfills, treatment facilities, and water deferrisation stations |
| 30. | 30-00000 | Assembly of technological equipment |
| 31. | 31-00000 | Improvement work |
| 32. | 32-00000 | Fences and gateways |
| **5. Special work and structures** |
| 33. | 33-00000 | Blasting work |
| 34. | 34-00000 | Bridges and culverts |
| 35. | 35-00000 | Roads and squares |
| 36. | 36-00000 | Railway tracks |
| 37. | 37-00000 | Hydraulic and land reclamation structures |
| 38. | 38-00000 | Pressure vessels and reservoirs |

Deputy Prime Minister, Minister for Economics Arvils Ašeradens

**Annex 2**

Latvian Construction Standard LBN 501-17,

Procedures for Determination of Construction Costs

(approved by Cabinet Regulation No. 239 of 3 May 2017)

**Types of Construction Work and Structural Elements**

|  |  |
| --- | --- |
| No. | Type of construction work or name of the structural element |
| **1. General construction work** |
| **1.** | **Construction site preparation work** |
| 1.1. | demolition work |
| 1.2. | temporary structures |
| **2.** | **Earthwork** |
| 2.1. | groundwater lowering and drainage |
| 2.2. | construction of drainage systems |
| 2.3. | soil excavation |
| **3.** | **Foundations and base structures** |
| 3.1. | pile foundations |
| 3.2. | reinforced concrete foundations |
| 3.3. | submersible wells, caissons |
| 3.4. | retaining walls |
| 3.5. | insulation work |
| **4.** | **Walls, framework constructions of buildings and structures** |
| 4.1. | masonry |
| 4.2. | timber |
| 4.3. | reinforced concrete |
| 4.4. | metal |
| 4.5. | wall and framework insulation work |
| **5.** | **Partition walls** |
| 5.1. | masonry |
| 5.2. | timber |
| 5.3. | reinforced concrete |
| 5.4. | lightweight structures |
| 5.5. | partition wall insulation work |
| **6.** | **Coverings** |
| 6.1. | timber |
| 6.2. | reinforced concrete |
| 6.3. | metal |
| 6.4. | thermal insulation of coverings |
| **7.** | **Stair structures, landings** |
| 7.1. | timber |
| 7.2. | reinforced concrete |
| 7.3. | metal |
| 7.4. | composite structures |
| **8.** | **Floor bases, coverings** |
| 8.1. | timber |
| 8.2. | concrete, reinforced concrete |
| 8.3. | lightweight structures |
| 8.4. | special coverings |
| 8.5. | thermal insulation of floor structures |
| 8.6. | underfloor ducts |
| **9.** | **Roods, coverings** |
| 9.1. | construction of load-bearing structures |
| 9.2. | roof decks, bases |
| 9.3. | coverings made of soft roll materials |
| 9.4. | coverings made of bitumen-based materials |
| 9.5. | metal sheet coverings |
| 9.6. | tile roof coverings |
| 9.7. | insulation installation work |
| **10.** | **Opening filler elements, façades of special structures** |
| 10.1. | window openings |
| 10.2. | door openings |
| 10.3. | façade structures |
| **11.** | **Furnaces, fireplaces, and other heating devices** |
| **12.** | **Chimneys, their bases** |
| **13.** | **Finishing work** |
| 13.1. | interior finishing work |
| 13.1.1. | plastering of surfaces, their preparation for painting |
| 13.1.2. | painting of surfaces |
| 13.1.3. | tiling work, stone slab finishings of surfaces |
| 13.1.4. | wall-papering work |
| 13.1.5. | mouldings, their treatment |
| 13.1.6. | metal forgings, thin sheet wall cladding |
| 13.1.7. | special surface treatment |
| 13.2. | exterior finishing work |
| 13.2.1. | plastering of surfaces, their preparation for painting |
| 13.2.2. | painting of surfaces |
| 13.2.3. | tiling work, stone slab finishings of surfaces |
| 13.2.4. | finishing of metal thin sheet materials |
| 13.2.5. | mouldings, their treatment |
| 13.2.6. | metal forgings, thin sheet façade cladding |
| 13.2.7. | special surface treatment |
| **14.** | **Entrance porches, stairs, terraces, canopies** |
| 14.1. | porches |
| 14.2. | stairs |
| 14.3. | terraces |
| 14.4. | canopies |
| **15.** | **Fences, enclosures, gates and gateways** |
| 15.1. | fences, enclosures |
| 15.2. | gates and gateways |
| **16.** | **Roads and squares** |
| **17.** | **Greening work** |
| **18.** | **Miscellaneous work** |
| **19.** | **Restoration work** |
| 19.1. | restoration of structural elements |
| 19.2. | surface restoration of structural elements |
| 19.3. | decorative surface finishing |
| 19.4. | mouldings, their restoration |
| 19.5. | special surface treatment |
| **2. Specialised work – internal networks, systems** |
| **20.** | **Internal electrical networks, lighting, main leads** |
| 20.1. | cables, wires |
| 20.2. | distribution |
| 20.3. | light fixtures |
| 20.4. | automatic control, management systems |
| **21.** | **Internal heating systems** |
| 21.1. | pipelines, fittings |
| 21.2. | boilers, measuring instruments |
| 21.3. | heating units, pressure vessels |
| 21.4. | heaters |
| 21.5. | insulation, testing work |
| **22.** | **Ventilation, air conditioning** |
| 22.1. | air ducts, outlets, hoods |
| 22.2. | airflow distributors, regulation devices |
| 22.3. | devices, equipment |
| 22.4. | automatic management systems |
| 22.5. | insulation, testing work |
| **23.** | **Internal water supply networks, equipment** |
| 23.1. | pipelines, fittings |
| 23.2. | sprinkler systems |
| 23.3. | technical equipment |
| 23.4. | insulation, testing work |
| **24.** | **Internal sewerage networks, equipment** |
| 24.1. | risers and connection pipes |
| 24.2. | technical equipment |
| 24.3. | insulation, testing work |
| **25.** | **Internal gas pipelines** |
| 25.1. | pipelines, fittings |
| 25.2. | devices, equipment |
| **26.** | **Low-intensity current networks** |
| 26.1. | security alarm |
| 26.2. | security systems |
| 26.3. | fire alarm |
| 26.4. | video surveillance, including the territory |
| 26.5. | computer networks, including data transmissions |
| 26.6. | telephone networks, including telephone exchange |
| 26.7. | television systems |
| 26.8. | unified control, management systems |
| 26.9. | public address, sound systems |
| **27.** | **Elevators, elevator shafts** |
| 27.1. | elevator equipment, hoists |
| 27.2. | shafts |
| **28.** | **Technological equipment** |
| **3. Specialised work – external networks, systems** |
| **29.** | **External electrical networks, lighting. Main power lines** |
| 29.1. | transformer substations, power transmission cable networks |
| 29.2. | overhead power transmission lines |
| 29.3. | external lighting, including building façades |
| **30.** | **External heating networks** |
| **31.** | **External water supply networks** |
| **32.** | **External sewerage networks. Treatment facilities** |
| **33.** | **Rainwater sewerage networks** |
| **34.** | **External gas pipelines, inlets** |
| **35.** | **Oil product pipelines** |
| **36.** | **Technological equipment** |
| **4. Special structures** |
| **37.** | **Boring wells** |
| 37.1. | blasting work |
| **38.** | **Railway tracks** |
| **39.** | **Bridges, culverts. Bank reinforcement structures** |
| 39.1. | reinforced concrete, concrete bridge structures |
| 39.2. | metal bridge structures |
| 39.3. | culverts |
| **40.** | **Hydraulic and land reclamation structures. Diving work** |
| 40.1. | water cumulative flow and level regulation structures (water reservoirs, ponds, dams, removal structures) |
| 40.2. | water resource utilisation structures (hydroelectric power stations, watermills, pumping stations) |
| 40.3. | watercourse level connection structures (inclined drops, weirs) |
| 40.4. | surrounding area protection structures (protecting dikes) |
| 40.5. | watercourse conveyance structures (inverted siphons, aqueducts) |
| 40.6. | bank reinforcement and stream regulation structures (dams, groynes, breakwaters, bank reinforcements, quays) |
| 40.7. | fish migration and protection structures (fish passes, fish protection facilities) |
| 40.8. | ship berths |
| 40.9. | diving work |
| 40.10. | amelioration systems |
| **41.** | **Tunnels, reservoirs** |
| **42.** | **Equipment. Devices** |

Deputy Prime Minister, Minister for Economics Arvils Ašeradens

**Annex 3**

Latvian Construction Standard LBN 501-17,

Procedures for the Determination of Construction Costs

(approved by Cabinet Regulation No. 239 of 3 May 2017)

|  |
| --- |
| APPROVED BY |
|   |   |
|   | (contracting authority’s signature and full name) |
|   | Place for a seal |
|   | Date: \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**Total Estimate of the Estimated Contract Price**

|  |  |
| --- | --- |
| Name of the object |   |
| Name of the structure |   |
| Address of the object |   |
| Order No. |   |

Date of estimate preparation: \_\_\_\_\_\_\_\_\_\_\_

|  |  |  |
| --- | --- | --- |
| No. | Name of the object | Costs of the object(EUR) |
|   |   |   |
|   |   |   |
|   |   |   |
|   | **Total** |   |
|   |   |   |

|  |  |  |  |
| --- | --- | --- | --- |
| Financial reserve for unforeseen work  | ( | %) |   |

|  |  |  |  |
| --- | --- | --- | --- |
|  VAT | ( | %) |   |

|  |  |
| --- | --- |
| **Total construction costs** |   |
| Other construction-related costs: |   |
|   | construction supervision |   |
|   | author’s supervision of the building design |   |
|   | research and design work |   |
|   | expert-examination of the building design |   |
| **Total** |   |

|  |  |
| --- | --- |
| Prepared by |   |
|   | (signature and full name, date) |

|  |  |  |
| --- | --- | --- |
| Certificate No. |   |   |

|  |  |
| --- | --- |
| Reviewed by |   |
|   | (signature and full name, date) |

|  |  |  |
| --- | --- | --- |
| Certificate No. |   |   |

Deputy Prime Minister, Minister for Economics Arvils Ašeradens

**Annex 4**

Latvian Construction Standard LBN 501-17,

Procedures for the Determination of Construction Costs

(approved by Cabinet Regulation No. 239 of 3 May 2017)

**Composition of the Set of Estimates**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No. | Amount of the estimated construction costs | Name of the estimate | Format | Notes |
| 1 | 2 | 3 | 4 | 5 |
| 1. | Less than EUR 71 150 | Local estimate (Annex 5) | The overhead part and profit shall be added at the end of the local estimate.The list of scopes of construction work shall be attached to the estimates | The total estimate may be included in the estimate documentation |
| 2. | From EUR 71 150 to EUR 142 290 | 1) Local estimates (Annex 5)2) Total construction estimate (Annex 3 or 7) | The overhead part and profit shall be added at the end of local estimates, except for the cases specified in the annotations | If the building design provides for the performance of several types of construction work, the estimates may include summary calculations by types of work or structural elements (Annex 6) |
| 3. | Above EUR 142 290 | 1) Local estimates (Annex 5)2) Summary calculations by types of work or structural elements (Annex 6)3) Total construction estimate (Annex 3 or 7) | In conformity with the Regulation | – |
| 4. | The object includes several individual structures | 1) Local estimates (Annex 5)2) Summary calculations by types of work or structural elements (Annex 6)3) Total construction estimate (Annex 3 or 7) | Each individual structure shall be assigned the relevant types of estimates (column 3) and combined in the total estimate of the object | It is permissible to create a total cost estimate for each individual structure and then consolidate them into the total estimate of the object |

Deputy Prime Minister, Minister for Economics Arvils Ašeradens

**Annex 5**

Latvian Construction Standard LBN 501-17,

Procedures for the Determination of Construction Costs

(approved by Cabinet Regulation No. 239 of 3 May 2017)

**Local Estimate No. \_\_\_\_**

|  |  |  |
| --- | --- | --- |
|   |   |   |
|   | (type of construction work or name of the structural element) |   |

|  |  |
| --- | --- |
| Name of the object |   |
| Name of the structure |   |
| Address of the object |   |
| Order No. |   |

The estimate has been prepared in conformity with the market prices of the year \_\_\_\_\_, based on the drawings of the part \_\_\_\_\_\_\_. Estimate costs: EUR \_\_\_\_\_\_\_\_\_\_\_\_

Date of estimate preparation: \_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| No. | Code\* | Name of construction work | Unit of measurement | Quantity | Unit costs | Total for the entire scope |
| time standard (m/h) | wage rate\* (EUR/h) | wage | construction products | machinery | total | labour intensity (m/h) | wage | construction products | machinery | amount |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |   |
|   | **Total direct costs, including the employer social tax (%)** |   |   |   |   |   |

Note. \* Columns shall be filled in if the classification of construction work follows Annex 1.

|  |  |
| --- | --- |
| Prepared by |   |
|   | (signature and full name, date) |

|  |  |
| --- | --- |
| Date of estimate preparation: \_\_\_\_\_\_\_\_\_\_\_\_ |   |

|  |  |
| --- | --- |
| Reviewed by |   |
|   | (signature and full name, date) |

|  |  |  |
| --- | --- | --- |
| Certificate No. |   |   |

Deputy Prime Minister, Minister for Economics Arvils Ašeradens

**Annex 6**

Latvian Construction Standard LBN 501-17,

Procedures for the Determination of Construction Costs

(approved by Cabinet Regulation No. 239 of 3 May 2017)

**Summary Calculation No.**

|  |  |  |
| --- | --- | --- |
|   |   |   |
|   | (type of construction work or name of the structural element) |   |

|  |  |
| --- | --- |
| Name of the object |   |
| Name of the structure |   |
| Address of the object |   |
| Order No. |   |
|   | For the entire amount (EUR) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
|   | Total labour intensity (m/h) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| No. | Code, estimate No. | Type of construction work or name of the structural element | Estimate costs | Including | Labour intensity(m/h) |
| wage | construction products | machinery |
|   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |
|   |   |   |   |   |   |   |   |
| **Total** |   |   |
| **Overheads** ( \_\_\_\_\_%) |   |
| including labour protection |   |
| **Profit** ( \_\_\_\_\_%) |   |
| **Total amount** |   |
|   |   |

|  |  |
| --- | --- |
| Prepared by |   |
|   | (signature and full name, date) |

|  |  |
| --- | --- |
| Date of estimate preparation: \_\_\_\_\_\_\_\_\_\_\_\_ |   |

|  |  |
| --- | --- |
| Reviewed by |   |
|   | (signature and full name, date) |

|  |  |  |
| --- | --- | --- |
| Certificate No. |   |   |

Deputy Prime Minister, Minister for Economics Arvils Ašeradens

**Annex 7**

Latvian Construction Standard LBN 501-17,

Procedures for the Determination of Construction Costs

(approved by Cabinet Regulation No. 239 of 3 May 2017)

|  |
| --- |
| APPROVED BY |
|   |   |
|   | (contracting authority’s signature and full name) |
|   | Place for a seal |
|   | Date: \_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

**Total Construction Estimate**

|  |  |
| --- | --- |
| Name of the object |   |
| Name of the structure |   |
| Address of the object |   |
| Order No. |   |

|  |  |  |
| --- | --- | --- |
| No. | Name of the object | Costs of the object(EUR) |
|   |   |   |
|   |   |   |
|   |   |   |
|   |   |   |
|   |   |   |
|   |   |   |
|   | **Total** |   |
|   |   |   |

|  |  |
| --- | --- |
| VAT (\_\_\_\_%) |   |
|   |   |

|  |  |
| --- | --- |
| Prepared by |   |
|   | (signature and full name, date) |

|  |  |  |
| --- | --- | --- |
| Certificate No. |   |   |

|  |
| --- |
| Date of estimate preparation: \_\_\_\_\_\_\_\_\_\_\_\_ |

Deputy Prime Minister, Minister for Economics Arvils Ašeradens

**Annex 8**

Latvian Construction Standard LBN 501-17,

Procedures for the Determination of Construction Costs

(approved by Cabinet Regulation No. 239 of 3 May 2017)

**List of Scopes of Construction Work**

|  |  |  |
| --- | --- | --- |
|   |   |   |
|   | (type of construction work or name of the structural element) |   |

|  |  |
| --- | --- |
| Name of the object |   |
| Name of the structure |   |
| Address of the object |   |
| Order No. |   |
| The scopes have been prepared, based on the drawings of the part \_\_\_\_\_\_\_. |

|  |  |  |  |
| --- | --- | --- | --- |
| No. | Name of construction work | Unit of measurement | Quantity |
|   |   |   |   |
|   |   |   |   |
|   |   | **Total** |   |
|   |   |   |   |

|  |  |
| --- | --- |
| Prepared by |   |
|   | (signature and full name, date) |

|  |  |
| --- | --- |
| Reviewed by |   |
|   | (signature and full name, date) |

|  |  |  |
| --- | --- | --- |
| Certificate No. |   |   |

Deputy Prime Minister, Minister for Economics Arvils Ašeradens

**Annex 9**

Latvian Construction Standard LBN 501-17,

Procedures for the Determination of Construction Costs

(approved by Cabinet Regulation No. 239 of 3 May 2017)

**List of Scopes of Work**

|  |  |
| --- | --- |
| Name of the object |   |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item number | Name of work | Unit of measurement | Scope | Unit price (EUR) | Total price (EUR) |
|   |   |   |   |   |   |
|   |   |   |   |   |   |
|   |   |   |   |   |   |
|   |   |   |   |   |   |
|   |   |   |   |   |   |
|   |   |   |   |   |   |
|   |   | **Total** |   |
|   |   | **VAT (\_\_\_\_%)** |   |
|   |   | **Total amount** |   |

Deputy Prime Minister, Minister for Economics Arvils Ašeradens

**Annex 10**

Latvian Construction Standard LBN 501-17,

Procedures for the Determination of Construction Costs

(approved by Cabinet Regulation No. 239 of 3 May 2017)

**Cost Calculation Form**

|  |  |  |  |
| --- | --- | --- | --- |
| Item number in the list of scopes of work | Item name in the list of scopes of work | Unit of measurement | Quantity |
|   |   |   |   |
| **Materials** |
| Name of the material | Unit of measurement | Unit price | Quantity per one item unit | Costs of one item unit (EUR) | Entire costs of one item (EUR) |
|   |   |   |   |   |   |
|   |   |   |   |   |   |
|   |   |   | **Total** |   |   |
| **Transport** |
| Mode of transport | Material amount per load(t or m3) | Unit price (EUR/km or EUR/h) | Trip distance (km) or duration (h) | Costs of one item unit (EUR) | Entire costs of one item (EUR) |
|   |   |   |   |   |   |
|   |   |   |   |   |   |
|   |   |   | **Total** |   |   |
| **Machinery** |
| Name | Unit price (EUR/h) | Consumption per one item unit | Costs of one item unit (EUR) | Entire costs of one item (EUR) |
|   |   |   |   |   |
|   |   |   |   |   |
|   |   | **Total** |   |   |
| **Labour force** |
| Employee category | Wage rate (EUR/h) | Labour intensity of one item unit (h) | Costs of one item unit (EUR) | Entire costs of one item (EUR) |
|   |   |   |   |   |
|   |   |   |   |   |
|   |   | **Total** |   |   |
|   |   |   |   |   |
| **Total direct costs** |   |   |
|   |
| Characterisation of costs | % of direct costs | Costs of one item unit (EUR) | Entire costs of one item (EUR) |
| Overheads |   |   |   |
| Other (financial costs, insurance) |   |   |   |
| Planned profit |   |   |   |
| **Costs of other work included in the price of work** |
| Description of other costs |   |   |
| **Total** |   |   |

Deputy Prime Minister, Minister for Economics Arvils Ašeradens