

PROCUREMENT OF BUILDING MATERIAL

PROCUREMENT NOTICE – INTERNATIONAL OPEN PROCEDURE

1. Publication number:

RHP-W5 - 404-202/2019-VIII

2. Programme and financing:

Joint regional programme on permanent solutions for refugees and displaced people (Regional Housing Programme – RHP/ Housing Programme in the Republic of Serbia)

Framework Agreement concluded between the Council of Europe Development Bank and the Republic of Serbia regarding the Regional Housing Programme, signed on 25th October 2013 and Grant Agreement concluded between the Council of Europe Development Bank and the Republic of Serbia regarding the realization of the **5** sub-project of Regional Housing Programme, signed on **14.08.2015.**

3. Name of the Contracting Authority:

City of Sombor

4. Address of the Contracting Authority:

Trg Cara Uroša 1, 25000 Sombor

5. Website of the Contracting Authority:

www.sombor.rs

6. Procurement type:

International open procedure

7. Type of contract:

Contract on procurement of goods

8. Procurement of building material, code from: 44110000.

In the Agreement on implementation of the Country Housing Programme in the Republic of Serbia, the provision of packages of building material is foreseen as one of modalities, (B: Building material) which is to be conducted in multiple implementation phases.

The mentioned modality of housing programme is defined as providing support to the integration of refugees who have already started building the houses or who possess inadequate houses suitable for adaptation, through provision of packages of building material.

The scope of this project implies the delivery of **37** packages of building material to the beneficiaries, on locations given in Annex 2: Bill of Quantities, of this tender dossier.

9. Value of Tender Security

7,940.00 EUR VAT excluded.

10. Total estimated value of procurement

264,655.87 EUR VAT excluded

11. Qualification criteria:

All interested people who act individually or as a part of a group and who fulfil the criteria for participation defined in the Tender Documents part: Instruction to tenderers, Section 3: Qualification criteria (Right to participate), as well as the conditions defined in the Guidelines for procurement of supplies, works and services of Council of Europe Development bank; Section 3.3: Eligibility to participate in tenders and provide supplies, works and services have the right to participate.

http://www.coebank.org/documents/107/Procurement_Guidelines_LJhjgEt.pdf

In addition, the Council of Europe Development Bank shall not provide or otherwise make funds available, directly or indirectly, to or for the benefit of an individual or entity that is subject to financial sanctions imposed by the EU, either autonomously or pursuant to the financial sanctions decided by the United Nations Security Council, available on the EU Sanction list: <https://www.sanctionsmap.eu/#/main>.

12. Selection criteria:

Tenderers are obliged to fulfil the following conditions. In case of group tender, these selection criteria apply to the group of tenderers as a whole.

1. Financial capacity of the Tenderers: In case that the tenderer is a legal person, he must prove the following information:

a) The Tenderer must not have had any registered blockage of their account in the twelve (12) months preceding the day of publishing the Procurement Notice.

This criterion will be applied to each member of the group of tenderers and subcontractors.

b) Tenderer is not in the proceedings of bankruptcy or liquidation, i.e. the previous

bankruptcy proceedings.

This criterion will be applied to each member of the group of tenderers and subcontractors.

- c) **Business revenue:** Tenderer must have a total business revenue, during the previous three years (2016, 2017 and 2018), in the amount of 1.5 of the estimated value of the procurement. (No less than **396,984.00 EUR VAT excluded**)

in euro at the middle exchange rate of the National bank of Serbia at the end of the report period.

Group of tenderers: One of the members of the group of tenderers must fulfil no less than 50% of the stated criterion.

2. Technical capacity of the Tenderer:

- a) **Warehousing capacity:** Tenderer must own or rent the warehouse at the territory of the Republic of Serbia.

Group of tenderers: This criterion must be fulfilled by the group as a whole (at least one of the members of the group of tenderers).

- b) **Transport capacity:** No less than one 2t loader and no less than one forklift, owned or rented.

Group of tenderers: This criterion must be fulfilled by the group as a whole (at least one of the members of the group of tenderers).

- c) **ISO 9001:2015**

Group of tenderers: This criterion must be fulfilled by the group as a whole (at least one of the members of the group of tenderers).

13. Contract award criteria:

Lowest offered price

In case of two tenders with the lowest offered price, the most favourable tender shall be the one with the longer tender validity period.

14. Access to Tender Document, website where tender documents can be found:

<http://portal.ujn.gov.rs>

www.sombor.rs

15. Tender submission deadline:

Tenders should be submitted as the registered letter with acknowledgment of receipt, or in case of personal delivery with submitted confirmation of receipt of the Tender.

- Tender must be submitted to the following address:
City of Sombor, Trg Cara Uroša 1, 25000 Sombor.
If tender is submitted personally, the submission address is: Service center, **City of Sombor, Trg Cara Uroša 1, 25000 Sombor** in the period from 09:00h to 15:30h.
The tender submission deadline is: **30.09.2019. until 12:00h.**
16. Tender opening session– date, time and venue:
Tender opening session shall be held on **30.09.2019. at 12:30 h,** in the premises of **City of Sombor, Office no. 224, Trg Cara Uroša 1, 25000 Sombor.**
17. Conditions for participation in the tender opening session:
The Contracting Authority shall open the tenders publically and it can be attended by any interested person, at the time and place stated in the Procurement Notice and in the Instructions to Tenderers. Only authorized representatives of the Tenderers' can actively participate in the tender opening session, and they are obliged to submit the authorization for attending and signing, as well as to sign the document which confirms their presence.
18. Deadline for delivering the Decision on contract award:
No later than 30 days from the day of tender submission deadline.
19. Contact:
mrilke@sombor.rs
20. Other information:
The procurements for supplies, works and services financed by the Regional Housing Programme in the Republic of Serbia, have been prepared, allocated and organized in cooperation with partner countries and CEB Guidelines for procurement of supplies, works and services published on the website:
http://www.coebank.org/documents/107/Procurement_Guidelines_LJhjgEt.pdf

**PART A TENDER DOSSIER:
INSTRUCTIONS TO TENDERERS FOR
BUILDING MATERIAL CONTRACT AWARD**

PUBLICATION NUMBER: RHP-W5-404-202/2019-VIII

While submitting the tender, the tenderer completely and with no limitations accepts the general and special conditions of contract as the only base of the mentioned procurement procedure, regardless of what his terms of sales are, which he hereby waives. The tenderer is expected to carefully study and obey all instructions, forms, provisions of the contract and specifications included in the tender dossier. If the tenderer does not submit the tender which contains all requested information and documentation within the determined deadline, the tender can be rejected. Any reservations in the tender regarding the tender dossiers are unacceptable and that can be the reason for instant rejection of the tender without further consideration.

These instructions confirm the rules for tender submission, selection and realization of the contract which are financed as a part of the Regional Housing Programme.

1. Goods which are being procured and estimated value of the procurement

- 1.1 Goods and the following services, which the Contracting Authority needs, are described in the Technical Specification, General technical conditions and Terms of reference, which can be found in the part C of this tender dossier.
- 1.2 Goods must completely comply with technical specification defined in tender dossier and be completely in accordance with all the drawings, amounts, models, samples, dimensions and other instructions by the Contracting Authority from the subject tender dossier and its annexes.
- 1.3 Estimated value of the procurement is **264,655.87 EUR VAT excluded.**

2. Time sheet

	DATE	TIME *
Deadline for asking for further clarifications from the Contracting Authority	19.09.2019.	-
Last day when the Contracting Authority provides additional information	20.09.2019.	-
Tender submission deadline	30.09.2019.	12:00 h
Public opening of the tenders	30.09.2019.	12:30 h
Decision on contract award /cancellation**	November 2019	-
Contract signing**	November 2019	-

* All times refer to the time zone of the Contracting Authority

** Tentative date

3. Qualification criteria (Right to participate):

- 3.1. The right to participate belongs to all the legal and natural persons which fulfil the following qualification criteria for participation in the procurement procedure:
 - 3.1.1. They must be registered with the competent authority, ie registered in the responding registry;
 - 3.1.2. The legal person or their legal representatives have not been convicted of any criminal act as members of an organized criminal group; not convicted of commercial criminal offence, criminal offence against environment, criminal offence of receiving or offering bribe, criminal offence of fraud;
 - 3.1.3. They have paid their due taxes and other charges in accordance with laws of the Republic of Serbia or another country if their headquarters are registered at the address on the territory of that country;
 - 3.1.4. They must have a valid permission of the competent authority for executing the activity which is the subject of this public procurement, if such permission is foreseen by a special regulation;
 - 3.1.5. The Tenderer is obliged to state explicitly when compiling his tender, that he fulfilled the obligations under applicable legislations concerning safety at work, employment and working conditions, protection of environment, as well as that they are not under the prohibition of performance of activities during the tender submission.
- 3.2. Tenderers prove the fulfilment qualification criteria from the clause 3.1 with the following documentary evidence:
 - 3.2.1. The certificate from the registry of the competent authority (legal persons and entrepreneurs: Certificate from Business Registers Agency (BRA) or other national competent authority)
 - 3.2.2. Certificate from the competent court – **For legal persons:** 1) Certificate from the criminal records, i.e. certificate from the basic court at whose territory the headquarters of the domestic legal person are, i.e. the headquarters of the offices or branch of the foreign legal person, which proves that the legal person has not been convicted of any commercial criminal offence, criminal offence against environment, criminal offence of receiving or offering bribe, criminal offence of fraud. Should the certificate from the basic court does not include the data from the criminal records for which the criminal department of the Higher court is competent, the Tenderer submits the certificates from the Basic and Higher court 2) Certificate from the criminal records of the Special department for the organized crime of the Higher court in

Belgrade, which confirms that the legal person has not been convicted of any of the crimes as a part of organized crime; 3) Certificate from the criminal records, certificate from the police department of the Ministry of Internal Affairs, that the legal representative of the Tenderer has not been convicted for commercial criminal offence, criminal offence against environment, criminal offence of receiving or offering bribe, criminal offence of fraud or some of the criminal acts as a part of organized crime. In case that the Tenderer has more than one legal representatives he is obliged to submit the evidence for each of them. **For natural persons:** Certificate from the criminal records, certificate from the police department of the Ministry of Internal Affairs which confirms that the Tenderer has not been convicted of any criminal act as members of an organized criminal group; not convicted of commercial criminal offence, criminal offence against environment, criminal offence of receiving or offering bribe, criminal offence of fraud.); Documentary evidence cannot be older than two months preceding the tender opening day.

3.2.3. Certificate from the tax authority and organization for mandatory social security (for Serbia): Certificate of the Tax Administration of the Ministry of Finance that the Tenderer payed all his liabilities and contributions, and a Certificate from the Local Self-Government that the Tenderer payed all his liabilities arising from the original local public revenues); Document cannot be older than two months prior to the day of tender opening.

3.2.4. Copies of the permissions stated in the paragraph 3.1.4. if required by the law of the country.

3.2.5. Signed and stamped statement of the Tenderer which confirms that he fulfils all obligations according to the positive regulations concerning safety at work, employment and working conditions, protection of environment, and that he is not under the prohibition of performance of activities during the tender submission.

3.3. The obligatory conditions defined by clause 3.1 apply to all members of joint venture/consortium and all subcontractors, with the exception of request from the clause 3.1.4 which relates only to the member of the joint venture/consortium or subcontractor who actually performs the activities which require special licence.

3.4. Documentary evidence from clause 3.2 can be submitted in the form of uncertified copy. The Contracting Authority, before making a Decision on contract award, can request, the Tenderer whose tender is evaluated as most favourable, to submit, for inspection, the original and certified copy of all submitted documentary evidence.

3.5. Evidence and confirmations stated in clause 3.2 of these Instructions, must be dated on the date which is not prior to one year prior to the tender opening date, unless differently determined in these Instruction to

Tenderers. Evidence from clauses 3.2.2 and 3.2.3 of these Instruction cannot be dated prior to 2 (two) months prior to the tender opening date.

- 3.6. Tenderer registered in the **Registry of Tenderers**, in the Business Registers Agency does not have to submit the evidence from clauses from 3.2.1. to 3.2.3.
- 3.7. If the demanded documentary evidence cannot be issued in the Tenderer's country of origin, the Tenderer can, instead of the documentary evidence, submit the written statement, made under full criminal and material liability, certified by the court or administrative authority, public notary or some other competent authority of that country.
- 3.8. If the Tenderer does not submit for inspection the original or the certified copy of the requested documentary evidence, within the deadline that the Contracting Authority determines, and which cannot be shorter than 5 days, the Contracting Authority shall reject the tender.
- 3.9. If the Tenderer does not submit some of the documentary evidence from the clause 3.2, the Contracting Authority shall not reject the tender if the Tenderer stated the websites of the competent authorities which contain information.

3.10.

In order for the Tenderer to qualify, he has to prove to the Contracting Authority that he satisfies all the requests defined in the tender dossier. If the tender is submitted by the joint venture/consortium, the selection criteria apply to the joint venture/consortium as a whole, if not stated differently. Tender is obliged to specify in the tender, whether he shall entrust the partial execution of the procurement to the subcontractor and to specify in the tender the percentage of the total value of the procurement which shall be entrusted to the subcontractor, which cannot be greater than 50%.

3.10.1. Financial capacity of the Tenderers:

- a) **Liquidity:** The Tenderer must not have had any registered blockage of their account in the twelve (12) months preceding the day of publishing the Procurement Notice.

This criterion will be applied to each member of the group of tenderers and subcontractors.

- b) **Bankruptcy and liquidation:** Tenderer is not in the proceedings of bankruptcy or liquidation, i.e. the previous bankruptcy proceedings.

This criterion will be applied to each member of the group of tenderers and subcontractors.

- c) **Business revenue:** Tenderer must have total business revenue, during the previous three years (2016, 2017 and 2018) which is 1.5 of the estimated value of the procurement. (no less than **396,984.00 EUR VAT excluded**).

in euro at the middle exchange rate of the National bank of Serbia at the end of the report period.

Group of tenderers: One of the members of the group of tenderers is obliged to fulfil no less than 50% of the stated condition.

3.10.2. **Technical capacity** of the Tenderer:

- a) **Warehousing capacity:** Tenderer must own or rent the warehouse at the territory of the Republic of Serbia.

Group of tenderers: This criterion must be fulfilled by the group as a whole (at least one of the members of the group of tenderers).

- b) **Transport capacity:** No less than one 2t loader and no less than one forklift, owned or rented.

Group of tenderers: This criterion must be fulfilled by the group as a whole (at least one of the members of the group of tenderers).

- c) **ISO 9001:2015**

Group of tenderers: This criterion must be fulfilled by the group as a whole (at least one of the members of the group of tenderers).

3.11. Tenderer proves the fulfilment of selection criteria from the clause 3.10 by submitting the following documentary evidence:

3.11.1. **Documentary evidence of the financial capacity** of the Tenderers:

- a) **Liquidity documentary evidence:** For the domestic Tenderers a Certificate from the National Bank of Serbia, or for the foreign Tenderers the Certificate from the business bank of the Tenderer (or some other competent authority from the country where headquarters of the Tenderer are located) on the number of days of liquidity, which has to be issued after the publishing of the public procurement notice and it has to refer to the period of 12 (twelve) months from the day of publishing of the public procurement notice including that day.

If the Tenderer submits a joint tender, he is obliged to submit the Certificate for each member of the Joint Venture/Consortium.

If the Tenderer submits a tender with the subcontractor, he is obliged to submit the Certificate for each subcontractor.

- b) As documentary evidence that no procedure of bankruptcy or liquidation is initiated, i.e. the previous bankruptcy procedure: Tenderer proves this by submitting the Statement in accordance with Form 2 – Tenderer's declaration.

If the Tenderer submits a joint tender, he is obliged to submit the Tenderer's declaration for each member of the group of tenderers, signed by the authorized person and stamped – Form 2 – Tenderer's declaration.

If the Tenderer submits a tender with the subcontractor, he is obliged to submit the Tenderer's declaration for each subcontractor.

- c) **Business revenue documentary evidence:** Certified profit and loss statement for the last three accounting years (2015, 2016 and 2017).

If the Tenderer submits a joint tender, he is obliged to submit certified profit and loss statements for each member of the Joint Venture.

3.11.2. Documentary evidence on Technical Capacity of the Tenderer:

- a) Tenderer's documents on ownership, contract on renting or letter of intent of the owner to rent a warehouse/storage to the Tenderer;

Group of tenderers: The mentioned condition shall be fulfilled by the group as a whole (at least one of the members of the group of tenderers).

- b) Tenderer's documents on ownership, contract on renting or letter of intent of the owner to rent the required mechanization to the Tenderer.

Group of tenderers: The mentioned condition shall be fulfilled by the group as a whole (at least one of the members of the group of tenderers).

- c) Copy of the certificate issued by the authorized body (body issuing the certificate, which should be accredited by the national accreditation authority).

Group of tenderers: The mentioned condition shall be fulfilled by the group as a whole (at least one of the members of the group of tenderers).

4. Content of the tender, currency and the language of the procedure

The language of the procedure is Serbian or English. Tenders, all correspondence and documents regarding the public procurement procedure, exchanged between the Tenderers and the Contracting Authority have to be in the language of the procedure. In case of any discrepancies the prevailing version is the Serbian one.

The support documents and printed literature submitted by the Tenderer can also be in another language, under the condition that the translation to the language of the procedure is also submitted with it, as is stated in the previous text. For the needs of the interpreting of the Tender the advantage is given to Serbian language.

Tenderers submit their tenders expressed in euros (EUR).

TENDER CONTAIN THE FOLLOWING DOCUMENTS:

(1) Administrative part of the tender includes:

- a) Filled, signed and stamped Form 1 – Tender Form, as well as signed and stamped Covenant of Integrity which is a constituent Part of the Form (tender). If the Tender is submitted by the group of Tenderers, Tenderer is obliged to submit the signed and stamped Covenant of Integrity for each of the members of the group of tenderers, in original copy;
- b) Evidence from clauses 3.2. and 3.11. Instructions to tenderers;
- c) Filled, signed and stamped **FORM 2: Tenderer`s declaration;**
- d) Duly certified signature: official document (statute, power of attorney, notary declaration etc.) which shows that the signatory of the tender is duly authorized to sign the tender on the behalf of the Tenderer.
- e) Tender Security in accordance with clause 15.2. and Form 3, part A: Tender Security Form;
- f) Stamped and signed Model of the Contract Agreement (tender dossier, part C: Contract Agreement on delivery of goods - building material.

(2) Technical part of the Tender which includes:

- a) The requirements and standards given in the Tender Document, **Annex 1: Technical requirements and standards**, signed and stamped by the person authorized to sign the documents comprising the tender on the behalf of the Tenderer.

(3) Financial part of the Tender which includes:

- a). The Tenderer forms the price based on DDP+unload¹ for the offered goods. Financial part of the tender is submitted by filling in **Annex 2: Bill of Quantities – and Form 1: Tender Form.**

If the submitted evidence are not in the language of the procedure, one must submit the translation of the submitted documentation in the language of the procedure, in order to enable the evaluation of the documentation. Evidence or statements can be in originals or copies. If copies are submitted, the originals must be sent for inspection at request of the Contracting Authority.

We hereby remind all Tenderers that provision of inaccurate data in this tender procedure can lead to their tender being rejected i.e. termination of the contract within the Regional Housing Programme.

The information regarding the tax and duty regulations are following.

Tax exemption:

All payments funded from donations within the Regional Housing Programme shall be fully exempted from VAT; hence, all related contracts shall also be exempted from VAT obligation.

Procedure for exemption from VAT:

¹ DDP (delivered duty paid)) - Incoterms 2010 International Chamber of Commerce - <http://www.iccwbo.org/incoterms/id3040/index.html>

In case of entrance into a contract within the RHP on works, provision of services or supply of goods, when Contractor is domestic/foreign person, the project final beneficiary (Public Sector Project Implementation Unit Ltd. Beograd or Secretariat for Refugees and Migrations of the Republic of Serbia, or third party) shall be entitled to enter the procedure for exemption from VAT obligation for the contract to be implemented, in compliance with the Rulebook on amendments of the Rulebook on procedure for VAT exemption, (<http://www.poreskauprava.gov.rs/pravnalaica/pdv/podzakonska-akta/510/pravilnik-o-nacinu-i-postupku-ostvarivanja-poreskih-oslobodenja-kod-pdv-sa-pravom-na-odbitak-prethodnog-poreza-.html>) (available only in Serbian language). The Contractor shall submit a pro-forma invoice to the final beneficiary who shall fill in a TEC-VAT (Serbian: PPO-PDV), which is further submitted together with the pro-forma invoice to Tax Administration – Central Office.

5. Tenders with variations

Tenders with variations are not permitted in this public procurement procedure.

6. Tender validity period

Tender validity period is no less than **120 days from the day of expiration of the tender submission deadline**.

The Contracting Authority can, in case of need, ask the Tenderer to extend the Tender validity period as well as validity period of the Tender Security.

7. Additional information before the expiration of the tender submission deadline

Tenderers can send the questions in written form to the following address no later than **11 days prior to the expiration of the tender submission deadline**, with the reference to the number of the publication and the name of the contract:

mrilke@sombor.rs

RHP-W5-404-202/2019-VIII- Regional Housing Programme- Country Housing Programme, Republic of Serbia, “Procurement of building materials”

Contracting Authority is not obliged to give additional answers to the questions which arrive upon the expiration of the mentioned deadline.

All Tenderers who try to schedule an individual meeting with the Contracting Authority and/or the government of the state beneficiary and/or Council of Europe Development Bank, regarding the contract during the tender procedure can be excluded from the tender procedure.

All additional clarifications of the tender dossiers are submitted, at the same time, in written form to all Tenderers no later than **20.09.2019**.

No information meetings are planned.

No site visits are planned.

Individual visits of the potential Tenderers are not to be organized during the tender procedure.

8. Tender submission and tender opening

8.1. Tender submission

The deadline for tender submission is **30.09.2019. until 12:00h**. Tenders shall be considered timely if they are received by the Contracting Authority until the expiration of the deadline for submission of tenders, regardless of the way in which they are sent. All tenders submitted after the mentioned deadline for tender submission shall not be considered and shall be returned unopened to the Tenderers after the public tender opening. Tenders must contain the documents from the clause 4. of these Instructions, and they are submitted:

EITHER via registered mail (official postal service) to:

City of Sombor, Trg Cara Uroša 1, 25000 Sombor

OR hand delivered (including courier services) directly to the Contracting Authority against a signed and dated receipt to:

Service office, City of Sombor, Trg Cara Uroša 1, 25000 Sombor

Tenders submitted in any other way shall not be considered.

The entire tender is submitted in one original copy clearly labelled „original“, one copy clearly marked „copy“ and one electronic copy (CD). Electronic copy of the Tender (CD) shall be submitted together with the printed version in a separate envelope in which the tender is submitted. Note: **Annex 1: Technical requirements and standards and Annex 2: Bill of Quantities** shall be submitted in the initial format, as MS Office Excel document. In case of discrepancies between the original and the copy, the original shall be prevailing.

Tenders **must** be submitted in a sealed envelope, which is clearly marked „**Tender**“ and with **clearly stated code of the tender procedure RHP-W5-404-202/2019-VIII**

The outer envelope should contain the following data:

- a) the abovementioned address for submission of tenders;
- b) wording **”Do not open before the tender opening session”**;
- c) name of the Tenderer;
- d) number and date of the Procurement Notice.

8.2. Tender opening

Tender opening session shall be held on the same day **30.09.2019. at 12:30 h** in the premises of **City of Sombor, Trg Cara Uroša 1, 25000 Sombor**.

9. Change, addenda or withdrawal of tenders

Tenderers can change, provide addenda or withdraw their tenders with the written notification before the expiration of the tender submission deadline. The tenders cannot be changed after the expiration of that period.

Every notification on the change, addendum or withdrawal of the tender has to be prepared and submitted in accordance with the Chapter 8 from the previous text. Outer envelope (and relevant inner) must be marked with „Change“, „Addendum“ or „Withdrawal“.

10. Tender preparation costs

Costs which Tenderers have while preparing and submitting the tender cannot be refunded. All expenses incurred while preparing and submitting the tender, the Tenderer has to bear, including the expenses of discussion with the suggested experts.

11. Ownership over the tender

The Contracting Authority keeps the right of ownership over the tenders submitted during the tender procedure. Moreover, the Tenderers do not have the right to have their tenders back.

12. Evaluation of tenders

Upon tender opening, the Committee of the public procurement checks and does the evaluation of the tenders.

Tenders which are not substantially responsive to the requested conditions and technical conditions included in the tender dossier shall be unacceptable to the Contracting Authority.

Tenders which are higher than the estimated values of the public procurement are unacceptable for the Contracting Authority.

12.1. Tender selection

Lowest price:

Contract award criteria is the lowest offered price.

In case of two or more tenders with the same, lowest offered price, the most favourable tender shall be deemed the one with the longer tender validity period.

13. Confidentiality

The entire evaluation procedure is confidential and is compliant with the regulations of the Contracting Authority on the access to the documents. The members of the public procurement Committee are jointly and severally liable for the legality of the procedure and they deliver decisions collectively in this procedure in closed meetings.

Procurement Committee is obliged to:

1. keep all data on the tenderers from the tender confidential, which as such, the Tenderer stated in the tender, in accordance with the law;
2. reject giving information which would mean the breach of confidentiality of data obtained in the tender;
3. keeps as the business secret the names of the interested persons, Tenderers, data on the submitted tenders until the tender opening.

The evidence on the fulfilment of the mandatory conditions, price and other data from the tender which are of significance for the application of elements of criteria and ranking of the tenders, shall not be deemed confidential.

Evaluation reports and written notes are used only in official purposes and cannot be disclosed to the tenderers, or third parties, except to the Contracting Authority, Council of Europe Development bank, European Anti-Fraud Office and European Court of Auditors.

14. Lots

This public procurement **is not divided into lots**.

15. Financial security

15.1. Bank guarantees

All bank guarantees must be:

- 1) Expressed in euros (EUR);
- 2) Irrevocable, without protest, unconditional, and payable on first call;
- 3) The submitted bank guarantees cannot contain any additional conditions, shorter Validity period than the one set by the Contracting Authority, lower amounts than those set by the Contracting Authority, nor the changed territorial jurisdiction in case of litigation;
- 4) Guarantees can be issued by the local or foreign banks, and they must be approved and accepted by the Contracting Authority

15.2. Tender Security

Tender Security must be:

- In accordance with Part A of the Tender Documents: Tender Security.
- Valid for at least thirty (30) days after the expiration of Tender validity period.

Tender Security must be in the amount of: **7,940.00 EUR VAT excluded**.

Original guarantee must be the part of the original Tender. Every Tender which does not contain the appropriate Tender Security, the Contracting Authority rejects as inadequate. Tender Security of the successful Tenderer is liberated within 30 days from when the Tenderer submits the Performance Security in accordance with the conditions of the contract. Tender Security can be forfeited in case that (activated for payment to the Contracting Authority):

- the Tenderer withdrew his Tender during the Tender validity period stated by the Tenderer in Form 1 – Tender Form; and /or
- upon receiving the notification on acceptance of his Tender by the Contracting Authority during the Tender validity period (i) has failed or rejected to conclude the contract or (ii) has failed or rejected to obtain the Performance Security and/or Advance Payment Security(if requested) in accordance with the Instructions to Tenderers, and/or
- does not correct the arithmetical errors or rejects to correct the calculation errors, in accordance with the Clause 17. Instruction to Tenderers.
- has acted opposing the provisions of the Covenant of Integrity or opposing the provisions of the clause 16. Of these Instructions.
- has failed to submit to the Contracting Authority the Vendors list in the foreseen deadline.

15.3. Performance Security and entry into force of the Contract

The Tenderer who gets the Contract awarded, is obliged to, within 30 (thirty) calendar days from the day of concluding the contract, submit the Performance Security to the Contracting Authority. Performance Security is issued to the amount of **10% of the contract price** (EUR), in the form defined in the tender documents. Performance Security validity period is 30 days past the deadline for the completion of the delivery. The Contract enters into force on the day of submitting the Performance Security to the Contracting Authority.

Tenderer who gets Contract awarded shall agree to a one-time extension of this security to the period not exceeding one year, as a response to the written request of the Contracting Authority for extension, provided that the request is submitted prior to the expiration of the security.

15.4. Advance Payment Security

Tenderer who gets Contract awarded, should he opt for payment of the part of the contracted price through advance payment (advance is optional), is obliged to, within 30 (thirty) calendar days from the day of conclusion of the Contract, submit to the Contracting Authority the Advance Payment Security, to the amount of the requested advance, which cannot be higher than 30% of the contract price (EUR) and it has to be submitted in the way defined in part B of the tender document – Bank guarantees. Advance Payment Security validity period is 30 days longer than the deadline for the delivery of goods. The advance is payed within 30 (thirty) days from the day of submitting the Advance Payment Security.

15.5. Banks eligible to issue the guarantee

The requested bank guarantees which the selected Tenderer should submit in the tender and upon the contract signing, must be issued by the bank which is acceptable to the Contracting Authority.

Tenderers residents must submit the guarantees from the domestic solid banks.

For Tenderers non-residents, the guarantees from the foreign banks with rating no lower than BBB+ (Baa1) are acceptable, and if the foreign bank has the rating lower than the requested the non-resident Tenderer shall be obliged to, along with the guarantee of the foreign bank, provide the counter guarantee of the domestic bank which is acceptable to the Contracting Authority.

If the non-resident submits the foreign bank's guarantee, acceptable to the Contracting Authority, it is necessary to submit it through the correspondent bank in the Republic of Serbia.

The Contracting Authority keeps the right to, in case of changed rating of the bank during the duration of the contract with the Tenderer, request the change of the guarantee or counter guarantee of the acceptable bank.

16. Clauses on the code of ethics / Corrupt practice

- a) Any attempt by the Tenderer to obtain the confidential information, enter into unlawful agreements with the competition or to influence the public procurement Committee during the procedure of examining, clarifying, evaluating and comparing the tenders, shall lead to his tender being rejected, and can lead to administrative penalties.
- b) Tenderer must not be under the influence of conflict of interests and cannot be in the equivalent relationship in that sense with other Tenderers or parties involved in the project.
- c) Council of Europe Development bank keeps its right to suspend or terminate the financing of the project, if at any stage of the procedure of award or contract realization, it discovers corrupt practice, and if the Contracting Authority does not take all appropriate measures to remove such issues. For the needs of this provision "corrupt practice" means the offering bribe, gifts, gratuity or commission to a certain person as incentive or reward for execution or non-execution of certain activity regarding the award and realization of the contract which has already been concluded with the Contracting Authority.
- d) The tender is rejected or the realization of the contract is suspended if it is discovered that the award or realization led to unusual commercial expenses. Those unusual commercial expenses are commissions which were not mentioned in the main contract, or which do not arise from adequately concluded contracts which relate to the main contract, commissions which are not paid for a real executed or legitimate service, commissions for tax exemptions, commissions paid to the recipient who is not clearly defined or the commissions paid to the company which has every appearance of being a front company.
- e) With the contract parties for which it is determined to have paid the unusual commercial expenses in projects financed by the Council of Europe Development bank, contracts shall be terminated or the contract parties shall be permanently excluded from participating in contracts within the Regional Housing Programme, depending on the severity of the noticed facts.
- f) The Contracting Authority keeps his right to suspend or terminate the procedure when determined that the award procedure had serious errors, irregularities or it

has been the subject of the fraud. If the serious errors, irregularities or frauds are discovered upon the contract award, the Contracting Authority can desist from the conclusion of the contract.

17. Calculating error correction

Contracting Authority can request from the Tenderer additional explanations which shall help him in the overview, evaluation and comparison of the tenders, and he can also conduct the control (insight) at the Tenderer i.e. his Subcontractor.

The Contracting Authority cannot request, permit or offer a change in the elements of the tender that are relevant to the application of the award criteria, or a change that would make an unacceptable tender acceptable, unless otherwise arising from the nature of the public procurement procedure.

Public procurement Committee shall make corrections to the tender in the following cases:

- When there is a difference between the amount expressed in numbers and letters, in which case the advantage is given to the amount expressed in letters;
- When there is a difference between the unit price and the overall amount obtained by multiplying the unit price and the quantity, the advantage is given to the offered unit price.

Public procurement Committee adjusts the amount of the tender in case of an error, and the Tenderer is obliged to accept the offered adjusted amount. If the Tenderer does not accept the adjustments, his tender can be rejected, and Tender Security activated.

All corrections shall be done during the evaluation phase.

18. Decision on contract award, contract award notification and contract signing

18.1. Decision on contract award

Pursuant to Clause 12, Evaluation of tenders, the Contracting Authority shall, within the tender validity period, make a Decision on contract award, and shall award the contract to a tenderer whose tender has been evaluated as acceptable, i.e. tender with the lowest offered price. The Contracting Authority will publish the Contract Award Decision within 3 days from the decision delivery on the web page of the Contracting Authority: www.sombor.rs and on the Public Procurement Portal – <http://portal.ujn.gov.rs>.

Interested parties are entitled to appeal to the Contracting Authority in written, in person, by registered mail or via e-mail address mrilke@sombor.rs.

The appeal shall be deemed timely if received by the Contracting Authority maximum 10 (ten) calendar days after the publication of the Contract Award Decision.

Against the Decision of the Contracting Authority that decides on the appeal filed, the appellant may within 3 days from the date of receipt of the Decision continue the

procedure before the second instance commission (Commission for the protection of the rights of tenderers in procedures for appeals against decisions made in the procedures for awarding contracts for realization of the Regional Housing Programme in the Republic of Serbia, carried out by local self-government units) by submitting a written statement on the continuation of the procedure, via e-mail to rhpssrbzalbe@piu.rs.

18.2. Contract signing

The selected tenderer shall sign the contract within 10 days from the Contracting Authority notification. The contract shall enter into force upon the submission of the Performance Security (which is to be submitted within 30 days from the day of conclusion of the contract).

If the selected tenderer does not conclude a contract, i.e. does not submit the Performance Security within the set period, then such omission can create grounds for cancellation of the Decision on contract award. In that case, the Contracting Authority can award the contract to the next most favourable Tenderer or to cancel the tender procedure.

The next most favourable Tenderer will be invited to sign a contract in case the Tenderer whose tender is selected as the most favourable (first-ranked Tenderer) does not approach the signing of the contract or does not deliver the required Performance Security within the deadline. The next most favourable Tenderer may refuse the award of the contract if, by the time of the publication of the Decision on awarding the contract, the validity period of his tender has expired.

18.3. Contract Award Notice

Respective Contract Award Notice will be published on the web page of the Contracting Authority - www.sombor.rs and on the Public Procurement Portal of the Republic of Serbia – <http://portal.ujn.gov.rs>.

19. Cancellation of the tender procedure

In the event of cancellation of a tender procedure, the Contracting Authority will publish Contract Cancellation Decision within 3 days from the decision on the web page of the Contracting Authority: www.sombor.rs and on the Public Procurement Portal <http://portal.ujn.gov.rs>.

Interested parties are entitled to appeal to the Contracting Authority in written, in person, by registered mail or via e-mail to mrilke@sombor.rs. The appeal shall be deemed timely if received by the Contracting Authority maximum 10 (ten) days after the publication of the Contract Cancellation Decision.

Against the Decision of the Contracting Authority that decides on the appeal filed, the appellant may within 3 days from the date of receipt of the Decision continue the procedure before the second instance commission (Commission for the protection of the rights of tenderers in procedures for appeals against decisions made in the procedures for awarding contracts for realization of the Regional Housing Programme in the Republic of Serbia, carried out by local self-government units) by submitting a written statement on the continuation of the procedure, via e-mail to rhpssrbzalbe@piu.rs.

If the tendering procedure is cancelled before the public tender opening, unopened and sealed envelopes are returned to the tenderers.

Cancellation may occur where:

- a) the tender procedure has been unsuccessful, namely where no qualitatively or financially worthwhile tender has been received or there has been no valid response at all;
- b) the economic or technical parameters of the project have been fundamentally altered;
- c) all technically compliant tenders exceed the financial resources available;
- d) there have been irregularities in the procedure;

Contracting Authority shall not be held responsible for any damage which might be caused to a Tenderer, which can in any way be related to the cancellation of tender procedure, even if the Contracting Authority has been informed in advance about the possibility of occurrence of such damage.

FORM 1 - TENDER FORM

Publication reference: RHP-W5 - 404-202/2019-VIII

Name of contract: "Procurement of building materials"

**City of Sombor
Trg Cara Uroša 1, 25000 Sombor**

It is necessary to submit **one signed form**, together with the number of copies stated in the Instruction to tenderers. Form has to include the signed statement on the form for every legal subject participating in the application. **All data from this form have to refer only to the legal subject or subjects who submit the tender.** Addenda to this form which is being submitted (i.e. declarations, statements, certificates) can be originals or copies. If copies are submitted, at the request of the Contracting Authority, originals are also to be submitted. Due to economic and ecological reasons, we recommend you to submit the documents on paper materials (without plastic covers and folders). Also we recommend two-sided printing wherever possible.

All additional documents (brochures, letters etc.) which are submitted with the form shall not be taken into consideration. Tenders submitted by the group of tenderers (i.e. permanent, legally formed group, informal groups formed for a specific tender) has to obey the instructions which apply to the leading Tenderer and all members.

Legal subject can, if the nature of the contract is such, rely on the abilities of other subjects, regardless of the legal connection between them. In that case, he has to prove to the Contracting Authority that he will have at his disposal all necessary resources for the needs of contract realization, for example, by providing a guarantee in the name of those subjects that they will provide him with those resources. Such subjects, for example the parent company of the legal subject, must obey the same rules of acceptability, especially regarding the issue the country of origin, as well as the legal subject.

TENDER IS SUBMIT BY

	Name(s) of the tenderer	Citizenship ¹
Tenderer²		
Member 2*		
Etc.		

CONTACT PERSON (for this tender)

Name	
Address:	
Telephone:	
Fax:	
E-mail:	

¹ Country in which the legal subject is registered.

² When necessary add/remove the columns for consortium members and subcontractors. Bear in mind that the subcontractors are not considered to be the members in the sense of this tender procedure. If the tender is submitted by an individual tenderer, his full name is written in column `Tenderer` (other columns are to be erased). If the tender is submitted by a group of tenderers, instead of wording «Tenderer» one should put «Leading member».

TENDERER`S DECLARATION

As a part of this tender, all legal subjects mentioned in the Tender Submission Form, including all members of joint venture/consortium, submit the signed statement using the following form.

As a response to your invitation to submit the tenders for the mentioned contract,

We, the undersigned, hereby state that:

1. We have all examined and fully accept the content of the tender document based on the procurement notice number **RHP-W5 - 404-202/2019-VIII** dated **09.08.2019**. We hereby state that we completely accept its provisions, without reservation or restriction.
2. We offer the delivery, in accordance with the requirements of the tender dossier and the mentioned conditions and time frames, without reservation or restriction, in accordance to the Bill of Quantities given in the Annex 2.
3. **The price of our tender is:.....euros (VAT excluded).**

The price of our tender is:.....euros (VAT included).

4. The amount of the advance payment:..... dinars (VAT excluded). (maximum of 30% of the offered price)

(Instruction for the tenderer, erase prior to printing: Tenderer has the right to require the payment of the advance in the amount not exceeding 30% of the offered price. We emphasise that the potential tenderer has the right but he is not obliged to require the payment of the advance. In case that the Tenderer fails to require the payment of the advance in his Tender, he is obliged to, in accordance with the conditions and deadlines defined in the Tender dossier, submit the Advance Payment Security in the requested deadline.)

5. This tender is valid days from the tender submission deadline (no less than 120 days from the expiration of the tender submission deadline).
6. If our tender is accepted, we undertake to provide a<Advance Payment Security,> Performance guarantee and Vendors list for all offered goods in accordance with the Instruction to tenderers, Terms of reference for construction material and Special conditions of contract and Annex 2 – Bill of Quantities which are a constituent part of this Tender Document.
7. Our firm/company [and our subcontractors] has/have the following nationality:

<.....>

8. We are making this tender [on an individual basis/as members of joint venture/consortium led by < name of the leader / ourselves >]. We confirm that we are not tendering for the same contract in any other form. [We confirm, as a member of the group of tenderers, that all members are jointly and individually liable by law for the execution of the contract, and that the lead member is authorised to commit, receive instructions for and on the behalf of other members, and that contract execution, including payments is the responsibility of the leading member, and that all members of group of tenderers are bound to remain in the joint tender for the entire period of the contract's execution].

9. We agree to abide by the ethics clauses from the Instructions to tenderers and, in particular, have no conflict of interests or any equivalent relation in that respect with other tenderers or other parties in the tender procedure at the time of the submission of this tender. We have no interest of any nature whatsoever in any other tender in this procedure.
10. We will inform the Contracting Authority immediately if there is any change in the abovementioned circumstances at any stage during the implementation of the contract. We also fully recognise and accept that any inaccurate or incomplete information deliberately provided in this tender may result in our exclusion from this and other contracts financed by the Council of Europe Development Bank.
11. We note that the Contracting Authority is not bound to proceed with this invitation to submit the tenders and that it reserves the right to award only part of the contract. It will incur no liability towards us should it do so.
12. We are aware that our personal data may be transferred to internal audit services, to the European Court of Auditors, to the Financial Irregularities Panel or to the European Anti-Fraud Office.

Name and first name: [.....]

Duly authorised to sign this tender on behalf of:

[.....]

Place and date: [.....]

Stamp of the firm/company:

This tender is valid for the following Annexes:

[Numbered list of annexes with titles]

COVENANT OF INTEGRITY

Instruction for the tenderer, erase prior to printing: If the tenderer submits joint tender he is obliged to submit the signed Covenant of Integrity, for each of the members of the group of tenderers, in original copy.

“We declare and covenant that neither we nor anyone, including any of our directors, employees or agents acting on our behalf with due authority or with our knowledge or consent, or facilitated by us, has engaged, or will engage, in any Prohibited Conduct (as defined below) in connection with the tendering process or in the execution or supply of any works, goods or services for **RHP-W5 - 404-202/2019-VIII** (the “Contract”) and covenant to so inform you if any instance of any such Prohibited Conduct shall come to the attention of any person in our organisation having responsibility for ensuring compliance with this Covenant.

We shall, for the duration of the tender process and, if we are successful in our tender, for the duration of the Contract, appoint and maintain in office an officer, who shall be a person reasonably satisfactory to you and to whom you shall have full and immediate access, having the duty, and the necessary powers, to ensure compliance with this Covenant.

If (i) we have been, or any such director, employee or agent acting as aforesaid has been, convicted in any court of any offence involving a Prohibited Conduct in connection with any tendering process or provision of works, goods or services during the five years immediately preceding the date of this Covenant, or (ii) any such director, employee or agent has been dismissed or has resigned from any employment on the grounds of being implicated in any Prohibited Conduct, or (iii) we have been, or any of our directors, employees or agents acting as aforesaid has been excluded by the EU Institutions or any major Multi-lateral Development Bank (including World Bank Group, African Development Bank, Asian Development Bank, European Bank for Reconstruction and Development or Inter-American Development Bank) from participation in a tendering procedure on the grounds of Prohibited Conduct, we give details of that conviction, dismissal or resignation, or exclusion below, together with details of the measures that we have taken, or shall take, to ensure that neither this company nor any of our directors, employees or agents commits any Prohibited Conduct in connection with the Contract [give details if necessary].

In the event that we are awarded the Contract, the Council of Europe Development Bank (CEB) and auditors appointed by them have the right of inspection of our records. We accept to preserve these records generally in accordance with applicable law but in any case for at least five years from the date of substantial performance of the Contract.”

For the purpose of this Covenant Prohibited Conduct includes,

- “Corrupt Practice” is the offering, giving, receiving or soliciting, directly or indirectly, anything of value to influence improperly the actions of another party;
- “Fraudulent Practice” is any act or omission, including a misrepresentation, that knowingly or recklessly misleads, or attempts to mislead, a party to obtain a financial or other benefit or to avoid an obligation;
- “Collusive Practice” is an arrangement between two or more parties designed to achieve an improper purpose, including influencing improperly the actions of another party;
- “Coercive Practice” is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of any party to influence improperly the actions of a party;

- “Prohibited Conduct” includes corrupt practice, fraudulent practice, collusive practice and coercive practice.

Yours faithfully,

<Signature of the authorized representative >

Name and the position of the authorized representative

FORM 2 – TENDERER`S DECLARATION

Under full material and criminal liability, as a representative of the Tenderer / Member of Joint Venture/Consortium / Subcontractor, I give the following

D E C L A R A T I O N

Tenderer / Member of Joint Venture/Consortium / Subcontractor

[insert the name of the Tenderer / Member of Joint Venture/Consortium / Subcontractor] in the international open procurement procedure - building material **RHP-W5 - 404-202/2019-VIII**, fulfils the condition of financial capacity, defined in the tender dossier for this procurement, as follows:

- the Tenderer/Member of Joint Venture/Subcontractor is not in the proceedings of bankruptcy or liquidation, i.e. the previous bankruptcy proceedings.

Place:

S.P.

Signature of the authorized
person

Date:

Note: Fulfilling this condition applies to all Members of Joint Venture and subcontractors. If the tender is submitted by the Joint Venture and/or hiring of subcontractor is foreseen, Declaration must be signed by the authorized persons of every member Joint Venture and/or subcontractors and it must be stamped. Depending on the manner of performance of the tenderer in this public procurement procedure, the words which do not relate to the actual tenderer should be erased (e.g. if the tenderer submits the tender alone, the words Member of Joint Venture should be erased).

Tender Security

[The bank shall fill in this Bank Guarantee Form in accordance with the instructions indicated.]

[Name of the bank, with the address of the branch or office issuing the guarantee]

Beneficiary: City of Sombor, Trg Cara Uroša 1, 25000 Sombor, Tax Identification Number: 100123258, Registration Number: 08337152

Date: _____

TENDERSECURITY No.: _____

We have been informed that the [name of the tenderer] (hereinafter "the Supplier") submitted his tender no. [tendernumber] dated [tenderdate] (hereinafter „Tender“) for execution [name of contract] under Public procurement notice no. [PPN number] („PPN“).

Furthermore, we understand that, according to the Beneficiary's conditions, tenders must be supported by a tender security.

At the request of the Supplier, we, as Guarantor [name of the bank] hereby irrevocably and unconditionally undertake to pay, on the first call, the Beneficiary any sum or sums not exceeding in total an amount of¹ **7,940.00 EUR VAT excluded (seven thousand nine hundred forty EUR)** upon receipt by us of the Beneficiary's complying demand, supported by the Beneficiary's statement, stating that the Supplier is in breach of its obligation(s) according to the conditions of bidding, due to Supplier:

- withdrawing his Tender during the Tender validity period stated by the Supplier in Form 1 – Tender Form; and /or
- upon receiving the notification on acceptance of his Tender by the Contracting Authority during the Tender validity period (i) has failed or rejected to conclude the contract or (ii) has failed or rejected to obtain the Performance Security and/or Advance Payment Security(if requested) in accordance with the Instructions to Tenderers, and/or
- does not correct the arithmetical errors or rejects to correct the calculation errors, in accordance with the Clause 17. Instruction to Tenderers.
- has acted opposing the provisions of the Covenant of Integrity or opposing the provisions of the clause 16. Of these Instructions.
- has failed to submit to the Contracting Authority the Vendors list in the foreseen deadline

¹ Bank inserts the amount(s) in accordance with clause 15.1. Instruction to tenderers, and named as specified in Instruction to tenderers, in the currency(ies) of the contract.

This guarantee shall expire: (a) in case that the Supplier is the successful tenderer, and upon the receipt of the notification on the contract signed by the Supplier and performance Security issued to you according to the directions of the Supplier; or (b) if the Supplier is not the successful tenderer, depending on which happens first (i) we receive your notification to the Supplier on naming the successful tenderer; or (ii) thirty days from the expiration of Supplier's tender validity period.

According to this any demand for payment under it must be received by us at this office indicated above on or before that date.

The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed [six months] in response to the Beneficiary's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC issue no. 758.

[signature(s)]

Performance Security

[The bank, as requested by the Tenderer, shall fill in this form in accordance with the instructions indicated.]

Date: *[insert date (day, month, year) of tender submission]*
ICB number and name: **Procurement of building materials, RHP-W5-404-202/2019-VIII**

[Name of the bank, with the address of the branch or office issuing the guarantee]

Beneficiary: City of Sombor, Trg Cara Uroša 1, 25000 Sombor, Tax Identification Number: 100123258, Registration Number: 08337152

PERFORMANCE GUARANTEE No.: *[Insert guarantee reference number]*

We have been informed that *[insert name of Supplier]* (hereinafter called "the Supplier") has entered into Contract No. *[insert reference number of the contract]* dated *[insert day and month], [insert year]* with the Beneficiary, for the supply of *[description of Goods and related Services]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a performance guarantee is required.

At the request of the Supplier, we as Guarantor, hereby irrevocably undertake to pay the Beneficiary any sum or sums not exceeding in total an amount *insert amount¹*) *in numbers and letters* on the first call upon receipt by us of the Beneficiary's complying demand supported by the Beneficiary's statement stating that the Supplier is in breach of its obligation(s) under the Contract, without objection and explanation and without the Beneficiary needing to prove or to show grounds for your demand or the sum specified therein.

This guarantee shall expire, no later than the *[insert number]* day *[insert month]* *[insert year²]* and any demand for payment under it must be received by us at this office indicated above on or before that date.

The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed *[one year]* in response to the Beneficiary's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee.

This guarantee is subject to the Uniform Rules for Demand Guarantees, ICC issue no. 758.

[signatures of the authorized representative of the bank and the supplier]

¹ Bank inserts the amount(s) in accordance with clause 15.1 adn 15.3 Instruction to tenderers.

² In accordance with clause 15.3 Instruction to tenderers.

Advance Payment Security

[The bank, as requested by the Tenderer, shall fill in this form in accordance with the instructions indicated.]

Date: [insert date (day, month, year) of tender submission]
ICB number and name: **RHP-W5-404-202/2019-VIII, Procurement of building materials**

[Name of the bank, with the address of the branch or office issuing the guarantee]

Beneficiary: City of Sombor, Trg Cara Uroša 1, 25000 Sombor, Tax Identification Number: 100123258, Registration Number: 08337152

ADVANCE PAYMENT GUARANTEE No.: *[Insert guarantee reference number]*

We, *[insert the legal name and the address of the bank]*, have been informed that *[insert full name and address of Supplier]* (hereinafter called "the Supplier") has entered into Contract No. *[insert number]* day *[insert date of the contract]* with the Beneficiary, for the supply *[insert types of goods being delivered]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, an advance payment is to be made against an advance payment guarantee.

At the request of the Supplier, we as Guarantor, hereby irrevocably and unconditionally undertake to pay the Beneficiary, on the first call, any sum or sums not exceeding in total an amount of *[insert amount(s)³ in numbers and letters]* upon receipt by us of the Beneficiary's complying demand supported by the Beneficiary's statement that the Supplier is in breach of its obligation(s) under the Contract for using the advance payment for purposes other than toward delivery of Goods.

The condition for execution of any such demand or payment according to this guarantee is that the Supplier has received to his account the abovementioned advance payment *[insert the number and the address of the account]*.

This guarantee stays valid and with full effect from the date when the Supplier receives the advance payment according to the contract *[insert date⁴]*.

The Guarantor agrees to a one-time extension of this guarantee for a period not to exceed [one year] in response to the Beneficiary's written request for such extension, such request to be presented to the Guarantor before the expiry of the guarantee.

This guarantee is subject to the Uniform Rules for Demand Guarantees, MTK issue no. 758.

[signatures of the authorized representatives of the bank]

³ Bank inserts the amount(s) in accordance with clause 15.1 and 15.4 Instruction to tenderers.

⁴ Bank inserts the date in accordance with the clause 15.4 Instruction to tenderers.

General Conditions of Contract

1. Definitions

- 1.1 The following words and expressions shall have the meanings hereby assigned to them:
- (a) “Bank” refers to the Council of Europe Development Bank (CEB).
 - (b) “Contract” means the Contract Agreement entered into between the Contracting Authority and the Supplier, together with the Contract Documents referred to therein, including all attachments, appendices, and all documents incorporated by reference therein.
 - (c) “Contract Documents” means the documents listed in the Contract Agreement, including any amendments thereto.
 - (d) “Contract Price” means the price payable to the Supplier as specified in the Contract Agreement, subject to such additions and adjustments thereto or deductions therefrom, as may be made pursuant to the Contract.
 - (e) “Day” means calendar day.
 - (f) “Completion” means the fulfilment of the Related Services by the Supplier in accordance with the terms and conditions set forth in the Contract.
 - (g) “GCC” means the General Conditions of Contract.
 - (h) “Goods” means all of the commodities, raw material, machinery and equipment, and/or other materials that the Supplier is required to supply to the Contracting Authority under the Contract.
 - (i) “Contracting Authority’s Country” is the country specified in the Special Conditions of Contract (SCC).
 - (j) “Contracting Authority” means the entity purchasing the Goods and Related Services, as specified in the SCC.
 - (k) “Related Services” means the services incidental to the supply of the goods, such as insurance, installation, training and initial maintenance and other such obligations of the Supplier under the Contract.
 - (l) “SCC” means the Special Conditions of Contract.
 - (m) “Subcontractor” means any person, private or government entity, or a combination of the above, to

whom any part of the Goods to be supplied or execution of any part of the Related Services is subcontracted by the Supplier.

- (n) “Supplier” means the person, private or government entity, or a combination of the above, whose tender to perform the Contract has been accepted by the Contracting Authority and is named as such in the Contract Agreement.
- (o) “The Project Site,” where applicable, means the place named in the **SCC**.

2. Contract Documents

- 2.1 Subject to the order of precedence set forth in the Contract Agreement, all documents forming the Contract (and all parts thereof) are intended to be correlative, complementary, and mutually explanatory. The Contract Agreement shall be read as a whole.

3. Corrupt and Fraudulent Practices

- 3.1 Bank requires the recipients (including the users of bank donations), as well as tenderers, suppliers, contractors and consultants with contracts financed by the bank, pertain to the highest ethical standards during the time of procurement or execution of such contracts. In order to enforce this policy, the bank:
 - (a) Defines, for this provision, the expressions are determined as follows:
 - (i) „Corrupt Practice“ is the offering, giving, receiving or soliciting, directly or indirectly, anything of value to influence improperly the actions of public officers in the procurement process or execution of the contract; and
 - (ii) „Fraudulent Practice“ signifies the misrepresentation or omission of facts in order to influence the procurement process or execution of the contract;
 - (iii) „Collusive Practice“ is an arrangement or agreement between two or more tenderers, with or without the knowledge of the recipient, designed to determine artificial or uncompetitive tender prices; or
 - (iv) „Coercive Practice“ is impairing or harming, or threatening to impair or harm, directly or indirectly, any party or the property of any party to influence their participation in the procurement process or

- execution of the contract;
- (b) shall cancel the part of the donation allocated to the contract, if at any given time it determines that the representatives of the recipient and the user of the loan are involved in corrupt practice, fraudulent practice, collusive practice or coercive practice, during the time of procurement or contract realization, and that the recipient did not take timely and appropriate actions in order to correct the situation in the manner satisfactory to the Bank;
 - (c) shall punish the company or individual, and besides that, they shall be stated not to fulfil the conditions, for the unlimited period of time or for a limited period, for awarding the contracts which the Bank finances, if it determines that they have, directly or through a third party, been involved with corrupt practice, fraudulent practice, collusive practice or coercive practice, during the time of procurement or contract realization financed by the Bank; and
 - (d) shall have the right to demand the Suppliers to allow the Bank to inspect their accounts and records and any other documents concerning tender submission and contract execution and to have them audited by auditors named by the Bank.

4. Interpretation

4.1 If the context so requires it, singular means plural and vice versa;

4.2 Incoterms

- (a) Unless inconsistent with any provision of the Contract, the meaning of any trade term and the rights and obligations of parties thereunder shall be as prescribed by Incoterms.
- (b) The terms EXW, CIP, FCA, CFR (*ex-workshops/factories, freight and insurance paid, ex-carrier and price with freight) and other similar terms, when used, shall be governed by the rules prescribed in the current edition of Incoterms specified in the SCC and published by the International Chamber of Commerce in Paris, France.

4.3 Entire Agreement

The Contract constitutes the entire agreement between the

Contracting Authority and the Supplier and supersedes all communications, negotiations and agreements (whether written or oral) of the parties with respect thereto made prior to the date of Contract.

4.4 Amendment

No amendment or other variation of the Contract shall be valid unless it is in writing, is dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.

4.5 Non waiver

- (a) Subject to GCC Sub-Clause 4.5(b) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.
- (b) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.

4.6 Severability

If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

5 Language

- 5.1 The Contract as well as all correspondence and documents relating to the Contract exchanged between the Supplier and the Contracting Authority, shall be written in the language specified in the SCC. Supporting documents and printed literature that are part of the Contract may be in another language provided they are accompanied by an accurate translation of the relevant passages in the language specified, in which case, for purposes of interpretation of the Contract, this translation shall govern.
- 5.2 The Supplier shall bear all costs of translation to the governing language and all risks of the accuracy of such translation, for documents provided by the Supplier.

- 6 Joint Venture, Consortium or Association**
- 6.1 If the Supplier is a joint venture, consortium, or association, all of the parties shall be jointly and severally liable to the Contracting Authority for the fulfilment of the provisions of the Contract and shall designate one party to act as a leader with authority to bind the joint venture, consortium, or association. The composition or the constitution of the joint venture, consortium, or association shall not be altered without the prior consent of the Contracting Authority.
- 7 Eligibility**
- 7.1 The Supplier and its Subcontractors shall have the nationality of an eligible country. A Supplier or Subcontractor shall be deemed to have the nationality of a country if it is a citizen or constituted, incorporated, or registered, and operates in conformity with the provisions of the laws of that country.
- 7.2 All Goods and Related Services to be supplied under the Contract and financed by the Bank shall have their origin in Eligible Countries. For the purpose of this Clause, origin means the country where the goods have been grown, mined, cultivated, produced, manufactured, or processed; or through manufacture, processing, or assembly, another commercially recognized article results that differs substantially in its basic characteristics from its components.
- 8 Notices**
- 8.1 Any notice given by one party to the other pursuant to the Contract shall be in writing to the address specified in the SCC. The term “in writing” means communicated in written form with proof of receipt;
- 8.2 A notice shall be effective when delivered or on the notice’s effective date, whichever is later.
- 9 Governing Law**
- 9.1 The Contract shall be governed by and interpreted in accordance with the laws of the Contracting Authority’s Country, unless otherwise specified in the SCC.
- 10 Settlement of Disputes**
- 10.1 The Contracting Authority and the Supplier shall make every effort to resolve amicably by direct informal negotiation any disagreement or dispute arising between them under or in connection with the Contract.
- 10.2 If, after twenty-eight (28) days, the parties have failed to resolve their dispute or difference by such mutual consultation, then either the Contracting Authority or the Supplier may give notice to the other party of its intention to commence arbitration, as hereinafter provided, as to the matter in dispute, and no arbitration in respect of this matter may be commenced unless such notice is given. Any dispute or difference in respect of which a notice of intention to commence arbitration

has been given in accordance with this Clause shall be finally settled by arbitration. Arbitration may be commenced prior to or after delivery of the Goods under the Contract. Arbitration proceedings shall be conducted in accordance with the rules of procedure **specified in the SCC**.

- 10.3 Notwithstanding any reference to arbitration herein,
- (a) the parties shall continue to perform their respective obligations under the Contract unless they otherwise agree; and
 - (b) the Contracting Authority shall pay the Supplier any monies due the Supplier.
- 11 Scope of Supply** 11.1 The Goods and Related Services to be supplied shall be as specified in the Schedule of Requirements, which shall be prepared by the Supplier together with the representative of the Contracting Authority and the Technical representative for the group of houses (if possible) or for every housing unit individually, depending on the location of the housing units within each of the municipalities individually according to the table.
- 12 Delivery and Documents** 12.1 Delivery of the Goods and Completion of the Related Services shall be in accordance with the Delivery and Completion Schedule specified in the Schedule of Requirements. The details of shipping and other documents to be furnished by the Supplier are specified in the **SCC** and Terms of Reference.
- 13 Supplier's Responsibilities** 13.1 The Supplier shall supply all the Goods and Related Services included in the Scope of Supply in accordance with GCC Clause 11, and the Delivery and Completion Schedule, as per GCC Clause 12.
- 14 Contract Price** 14.1 Prices charged by the Supplier for the Goods supplied and the Related Services performed under the Contract shall not vary from the prices quoted by the Supplier in its tender, with the exception of any price adjustments authorized in the **SCC**.
- 15 Terms of Payment** 15.1 The Contract Price, including any Advance Payments, if applicable, shall be paid as specified in the **SCC**.
- 15.2 The Supplier's request for payment shall be made to the Contracting Authority in writing, accompanied by invoices describing, as appropriate, the Goods delivered and Related Services performed, and by the documents submitted pursuant to GCC Clause 12 and upon fulfilment of all other obligations

stipulated in the Contract.

- 15.3 Payments shall be made promptly by the Contracting Authority, but in no case later than forty-five (45) days after submission of an invoice or request for payment by the Supplier, and after the Contracting Authority has accepted it.
- 15.4 The currencies in which payments shall be made to the Supplier under this Contract shall be those in which the tender price is expressed.
- 15.5 In the event that the Contracting Authority fails to pay the Supplier any payment by its due date or within the period set forth in the **SCC**, the Contracting Authority shall pay to the Supplier interest on the amount of such delayed payment at the rate shown in the **SCC**, for the period of delay until payment has been made in full, whether before or after judgment or arbitration award.

16 Taxes and Duties

- 16.1 For goods manufactured outside the Contracting Authority's Country, the Supplier shall be entirely responsible for all taxes, stamp duties, license fees, and other such levies imposed outside the Contracting Authority's Country.
- 16.2 For goods Manufactured within the Contracting Authority's country, the Supplier shall be entirely responsible for all taxes, duties, license fees, etc., incurred until delivery of the contracted Goods to the Contracting Authority.
- 16.3 If any tax exemptions, reductions, allowances or privileges may be available to the Supplier in the Contracting Authority's Country, the Contracting Authority shall use its best efforts to enable the Supplier to benefit from any such tax savings to the maximum allowable extent.

17 Promissory note for the performance guarantee

- 17.1 If required as specified in the **SCC**, the Supplier shall, within twenty-eight (28) days of the notification of contract award, provide a performance security for the performance of the Contract in the amount specified in the **SCC**.
- 17.2 The proceeds of the Performance Security shall be payable to the Contracting Authority as compensation for any loss resulting from the Supplier's failure to complete its obligations under the Contract.
- 17.3 As specified in the **SCC**, the Performance Security, if required, shall be denominated in the currency (ies) of the Contract, or in a freely convertible currency acceptable to the Contracting

Authority; and shall be in one of the format stipulated by the Contracting Authority in the **SCC**, or in another format acceptable to the Contracting Authority.

- 17.4 The Performance Security shall be discharged by the Contracting Authority and returned to the Supplier not later than twenty-eight (28) days following the date of Completion of the Supplier's performance obligations under the Contract, including any warranty obligations, unless specified otherwise in the **SCC**.
- 18 Copyright**
- 18.1 The copyright in all drawings, documents, and other materials containing data and information furnished to the Contracting Authority by the Supplier herein shall remain vested in the Supplier, or, if they are furnished to the Contracting Authority directly or through the Supplier by any third party, including suppliers of materials, the copyright in such materials shall remain vested in such third party.
- 19 Confidential Information**
- 19.1 The Contracting Authority and the Supplier shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract. Notwithstanding the above, the Supplier may furnish to its Subcontractor such documents, data, and other information it receives from the Contracting Authority to the extent required for the Subcontractor to perform its work under the Contract, in which event the Supplier shall obtain from such Subcontractor an undertaking of confidentiality similar to that imposed on the Supplier under GCC Clause 19.
- 19.2 The Contracting Authority shall not use such documents, data, and other information received from the Supplier for any purposes unrelated to the contract. Similarly, the Supplier shall not use such documents, data, and other information received from the Contracting Authority for any purpose other than the performance of the Contract.
- 19.3 The obligation of a party under GCC Sub-Clauses 19.1 and 19.2, however, shall not apply to information that:
- the Contracting Authority or Supplier need to share with the Bank or other institutions participating in the financing of the Contract;
 - now or hereafter enters the public domain through no

- fault of that party;
- (c) can be proven to have been possessed by that party at the time of disclosure and which was not previously obtained, directly or indirectly, from the other party; or
 - (d) otherwise lawfully becomes available to that party from a third party that has no obligation of confidentiality.
- 19.4 The above provisions of GCC Clause 19, shall not in any way modify any undertaking of confidentiality given by either of the parties hereto prior to the date of the Contract in respect of the Supply or any part thereof.
- 19.5 The provisions of GCC Clause 19, shall survive completion or termination, for whatever reason, of the Contract.
- 20 Subcontracting**
- 20.1 The Supplier shall notify the Contracting Authority in writing of all subcontracts awarded under the Contract if not already specified in the tender. Such notification, in the original tender or later shall not relieve the Supplier from any of its obligations, duties, responsibilities, or liability under the Contract.
 - 20.2 Subcontracts shall comply with the provisions of GCC Clauses 3 and 7.
- 21 Specifications and Standards**
- 21.1 Technical specification and drawings
 - (a) The Goods and Related Services supplied under this Contract shall conform to the technical specifications and standards mentioned in Schedule of Requirements and, when no applicable standard is mentioned, the standard shall be equivalent or superior to the official standards whose application is appropriate to the Goods' country of origin.
 - (b) The Supplier shall be entitled to disclaim responsibility for any design, data, drawing, specification or other document, or any modification thereof provided or designed by or on behalf of the Contracting Authority, by giving a notice of such disclaimer to the Contracting Authority.
 - (c) Wherever references are made in the Contract to codes and standards in accordance with which it shall be executed, the edition or the revised version of such codes and standards shall be those specified in the Schedule of Requirements. During Contract execution, any changes in any such codes and standards shall be applied only after

approval by the Contracting Authority and shall be treated in accordance with GCC Clause 32.

22 Packing and Documents

- 22.1 The Supplier shall provide such packing of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in the Contract. During transit, the packing shall be sufficient to withstand, without limitation, rough handling and exposure to extreme temperatures, salt and precipitation, and open storage. Packing case size and weights shall take into consideration, where appropriate, the remoteness of the goods' final destination and the absence of heavy handling facilities at all points in transit.
- 22.2 The packing, marking, and documentation within and outside the packages shall comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified in the SCC, and in any other instructions ordered by the Contracting Authority.

23 Insurance

- 23.1 Unless otherwise specified in the SCC, the Goods supplied under the Contract shall be fully insured—in a freely convertible currency from an eligible country—against loss or damage incidental to manufacture or acquisition, transportation, storage, and delivery, in accordance with the applicable Incoterms or in the manner specified in the SCC.

24 Transportation

- 24.1 Unless otherwise specified in the SCC, responsibility for arranging transportation of the Goods shall be in accordance with the specified Incoterms.

25 Inspections and Tests

- 25.1 The Supplier shall at its own expense and at no cost to the Contracting Authority carry out all such tests and/or inspections of the Goods and Related Services as are specified in the SCC.
- 25.2 The inspections and tests may be conducted on the premises of the Supplier or its Subcontractor, at point of delivery, and/or at the Goods' final destination, or in another place in the Contracting Authority's Country as specified in the SCC. Subject to GCC Sub-Clause 25.3, if conducted on the premises of the Supplier or its Subcontractor, all reasonable facilities and assistance, including access to drawings and production data, shall be furnished to the inspectors at no charge to the Contracting Authority.
- 25.3 The Contracting Authority or its designated representative shall be entitled to attend the tests and/or inspections referred to in GCC Sub-Clause 25.2, provided that the Contracting Authority

bear all of its own costs and expenses incurred in connection with such attendance including, but not limited to, all traveling and board and lodging expenses.

- 25.4 Whenever the Supplier is ready to carry out any such test and inspection, it shall give a reasonable advance notice, including the place and time, to the Contracting Authority. The Supplier shall obtain from any relevant third party or manufacturer any necessary permission or consent to enable the Contracting Authority or its designated representative to attend the test and/or inspection.
- 25.5 The Contracting Authority may require the Supplier to carry out any test and/or inspection not required by the Contract but deemed necessary to verify that the characteristics and performance of the Goods comply with the technical specifications codes and standards under the Contract, provided that the Supplier's reasonable costs and expenses incurred in the carrying out of such test and/or inspection shall be added to the Contract Price. Further, if such test and/or inspection impedes the progress of manufacturing and/or the Supplier's performance of its other obligations under the Contract, due allowance will be made in respect of the Delivery Dates and Completion Dates and the other obligations so affected.
- 25.6 The Supplier shall provide the Contracting Authority with a report of the results of any such test and/or inspection.
- 25.7 The Contracting Authority may reject any Goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The Supplier shall either rectify or replace such rejected Goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Contracting Authority, and shall repeat the test and/or inspection, at no cost to the Contracting Authority, upon giving a notice pursuant to GCC Sub-Clause 25.4.
- 25.8 The Supplier agrees that neither the execution of a test and/or inspection of the Goods or any part thereof, nor the attendance by the Contracting Authority or its representative, nor the issue of any report pursuant to GCC Sub-Clause 25.6, shall release the Supplier from any warranties or other obligations under the Contract.

26 Liquidated Damages

- 26.1 Except as provided under GCC Clause 31, if the Supplier fails to deliver any or all of the Goods by the Date(s) of delivery or perform the Related Services within the period specified in the Contract, the Contracting Authority may without prejudice to

all its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, a sum equivalent to the percentage specified in the SCC of the delivered price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery or performance, up to a maximum deduction of the percentage specified in those SCC. Once the maximum is reached, the Contracting Authority may terminate the Contract pursuant to GCC Clause 34.

27 Warranty

- 27.1 The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.
- 27.2 Subject to GCC Sub-Clause 21.1(b), the Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in the country of final destination.
- 27.3 Unless otherwise specified in the SCC, the warranty shall remain valid for twelve (12) months after the Goods, or any portion thereof as the case may be, have been delivered to and accepted at the final destination indicated in the SCC, or for eighteen (18) months after the date of shipment from the port or place of loading in the country of origin, whichever period concludes earlier.
- 27.4 The Contracting Authority shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Contracting Authority shall afford all reasonable opportunity for the Supplier to inspect such defects.
- 27.5 Upon receipt of such notice, the Supplier shall, within the period specified in the SCC, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Contracting Authority.
- 27.6 If having been notified, the Supplier fails to remedy the defect within the period specified in the SCC, the Contracting Authority may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Contracting Authority may have against the Supplier under the Contract.

28 Patent

- 28.1 The Supplier shall, subject to the Contracting Authority's

Indemnity

compliance with GCC Sub-Clause 28.2, indemnify and hold harmless the Contracting Authority and its employees and officers from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Contracting Authority may suffer as a result of any infringement or alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract by reason of:

- (a) the installation of the Goods by the Supplier or the use of the Goods in the country where the Site is located; and
- (b) the sale in any country of the products produced by the Goods.

Such indemnity shall not cover any use of the Goods or any part thereof other than for the purpose indicated by or to be reasonably inferred from the Contract, neither any infringement resulting from the use of the Goods or any part thereof, or any products produced thereby in association or combination with any other equipment, plant, or materials not supplied by the Supplier, pursuant to the Contract.

28.2 If any proceedings are brought or any claim is made against the Contracting Authority arising out of the matters referred to in GCC Sub-Clause 28.1, the Contracting Authority shall promptly give the Supplier a notice thereof, and the Supplier may at its own expense and in the Contracting Authority's name conduct such proceedings or claim and any negotiations for the settlement of any such proceedings or claim.

28.3 If the Supplier fails to notify the Contracting Authority within twenty-eight (28) days after receipt of such notice that it intends to conduct any such proceedings or claim, then the Contracting Authority shall be free to conduct the same on its own behalf.

28.4 The Contracting Authority shall, at the Supplier's request, afford all available assistance to the Supplier in conducting such proceedings or claim, and shall be reimbursed by the Supplier for all reasonable expenses incurred in so doing.

28.5 The Contracting Authority shall indemnify and hold harmless the Supplier and its employees, officers, and Subcontractors from and against any and all suits, actions or administrative proceedings, claims, demands, losses, damages, costs, and expenses of any nature, including attorney's fees and expenses, which the Supplier may suffer as a result of any infringement or

		alleged infringement of any patent, utility model, registered design, trademark, copyright, or other intellectual property right registered or otherwise existing at the date of the Contract arising out of or in connection with any design, data, drawing, specification, or other documents or materials provided or designed by or on behalf of the Contracting Authority.
29 Limitation of Liability	29.1	Except in cases of criminal negligence or wilful misconduct,
	(a)	the Supplier shall not be liable to the Contracting Authority, whether in contract, tort, or otherwise, for any indirect or consequential loss or damage, loss of use, loss of production, or loss of profits or interest costs, provided that this exclusion shall not apply to any obligation of the Supplier to pay liquidated damages to the Contracting Authority and
	(b)	the aggregate liability of the Supplier to the Contracting Authority, whether under the Contract, in tort or otherwise, shall not exceed the total Contract Price, provided that this limitation shall not apply to the cost of repairing or replacing defective equipment, or to any obligation of the supplier to indemnify the Contracting Authority with respect to patent infringement.
30 Change in Laws and Regulations	30.1	Unless otherwise specified in the Contract, if after the date of 28 days prior to date of Tender submission, any law, regulation, ordinance, order or bylaw having the force of law is enacted, promulgated, abrogated, or changed in the place of the Contracting Authority's country where the Site is located (which shall be deemed to include any change in interpretation or application by the competent authorities) that subsequently affects the Delivery Date and/or the Contract Price, then such Delivery Date and/or Contract Price shall be correspondingly increased or decreased, to the extent that the Supplier has thereby been affected in the performance of any of its obligations under the Contract. Notwithstanding the foregoing, such additional or reduced cost shall not be separately paid or credited if the same has already been accounted for in the price adjustment provisions where applicable, in accordance with GCC Clause 14.
31 Force Majeure	31.1	The Supplier shall not be liable for forfeiture of its Performance Security, liquidated damages, or termination for default if and to the extent that its delay in performance or other failure to perform its obligations under the Contract is the result of an event of Force Majeure.

- 31.2 For purposes of this Clause, “Force Majeure” means an event or situation beyond the control of the Supplier that is not foreseeable, is unavoidable, and its origin is not due to negligence or lack of care on the part of the Supplier. Such events may include, but not be limited to, acts of the Contracting Authority in its sovereign capacity, wars or revolutions, fires, floods, epidemics, quarantine restrictions, and freight embargoes.
- 31.3 If a Force Majeure situation arises, the Supplier shall promptly notify the Contracting Authority in writing of such condition and the cause thereof. Unless otherwise directed by the Contracting Authority in writing, the Supplier shall continue to perform its obligations under the Contract as far as is reasonably practical, and shall seek all reasonable alternative means for performance not prevented by the Force Majeure event.
- 32 Change Orders and Contract Amendments**
- 32.1 The Contracting Authority may at any time order the Supplier through notice in accordance GCC Clause 8, to make changes within the general scope of the Contract in any one or more of the following:
- (a) drawings, designs, or specifications, where Goods to be furnished under the Contract are to be specifically manufactured for the Contracting Authority;
 - (b) amounts of the ordered goods in accordance with Tender Documents clause 40.1 OUP and OPP;
 - (c) the method of shipment and packing;
 - (d) the place of delivery; and
 - (e) the Related Services to be provided by the Supplier.
- 32.2 If any such change causes an increase or decrease in the cost of, or the time required for, the Supplier’s performance of any provisions under the Contract, an equitable adjustment shall be made in the Contract Price or in the Delivery/Completion Schedule, or both, and the Contract shall accordingly be amended. Any claims by the Supplier for adjustment under this Clause must be asserted within twenty-eight (28) days from the date of the Supplier’s receipt of the Contracting Authority’s change of order.
- 32.3 Prices to be charged by the Supplier for any Related Services that might be needed but which were not included in the Contract shall be agreed upon in advance by the parties and shall not

exceed the prevailing rates charged to other parties by the Supplier for similar services.

32.4 Subject to the above, no variation in or modification of the terms of the Contract shall be made except by written amendment signed by the parties.

33 Extensions of Time

33.1 If at any time during performance of the Contract, the Supplier or its subcontractors should encounter conditions impeding timely delivery of the Goods or completion of Related Services pursuant to GCC Clause 12, the Supplier shall promptly notify the Contracting Authority in writing of the delay, its likely duration, and its cause. As soon as practicable after receipt of the Supplier's notice, the Contracting Authority shall evaluate the situation and may at its discretion extend the Supplier's time for performance, in which case the extension shall be ratified by the parties by amendment of the Contract.

33.2 Except in case of Force Majeure, as provided under GCC Clause 31, a delay by the Supplier in the performance of its Delivery and Completion obligations shall render the Supplier liable to the imposition of liquidated damages pursuant to GCC Clause 26, unless an extension of time is agreed upon, pursuant to GCC Sub-Clause 33.1.

34 Termination

34.1 Termination for Default

(a) The Contracting Authority, without prejudice to any other remedy for breach of Contract, by written notice of default sent to the Supplier, may terminate the Contract in whole or in part:

(i) if the Supplier fails to deliver any or all of the Goods within the period specified in the Contract, or within any extension thereof granted by the Contracting Authority pursuant to GCC Clause 33;

(ii) if the Supplier fails to perform any other obligation under the Contract; or

(iii) if the Supplier, in the judgment of the Contracting Authority has engaged in fraud and corruption, as defined in GCC Clause 3, in competing for or in executing the Contract.

(b) In the event the Contracting Authority terminates the Contract in whole or in part, pursuant to GCC Clause 34.1(a), the Contracting Authority may procure, upon such terms and in such manner as it deems appropriate,

Goods or Related Services similar to those undelivered or not performed, and the Supplier shall be liable to the Contracting Authority for any additional costs for such similar Goods or Related Services. However, the Supplier shall continue performance of the Contract to the extent not terminated.

34.2 Termination for Insolvency

- (a) The Contracting Authority may at any time terminate the Contract by giving notice to the Supplier if the Supplier becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the Supplier, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to the Contracting Authority.

34.3 Termination for Convenience

a) If, after the conclusion of the contract, there are circumstances that could not have been anticipated and which make it difficult for one party to fulfil its obligations to the extent that its fulfilment of the obligation becomes excessively difficult or if such fulfilment of the obligation causes an excessively large loss, the court may, at the request of that party, amend or terminate contract.

(b) An amendment or termination of a contract may not be required if a party calling for changed circumstances was obliged, at the time of the conclusion of the contract, to take into account those circumstances or to circumvent or overcome them.

(c) The party requesting the modification or termination of a contract may not be referred to the changed circumstances that occurred after the expiry of the time limit set for the fulfilment of its obligation.

(d) The contract shall not be terminated if the other party offers or agrees that the relevant terms of the contract are fairly altered.

(e) If it declares the termination of a contract, the court shall, at the request of the other party, oblige the party requesting it to compensate the other party for the fair part of the damage it suffered.

35 Assignment

35.1 Neither the Contracting Authority nor the Supplier shall assign, in whole or in part, their obligations under this Contract, except with prior written consent of the other party.

36 Export Restriction

- 36.1 In case the conclusion of the Contract is prevented due to the any export restrictions attributable to the Contracting Authority, to the country of the Contracting Authority, or to the use of the products/goods, systems or services to be supplied, which arise from trade regulations from a country supplying those products/goods, systems or services, the Supplier shall not be obliged by his tender, always provided, however, that the Supplier can demonstrate to the satisfaction of the Contracting Authority and of the Bank that it has completed all formalities in a timely manner, including applying for permits, authorizations and licenses necessary for the delivery of the products/goods, systems or services under the terms of the Contract.
- 36.2 Notwithstanding any obligation under the Contract to complete all export formalities, any export restrictions attributable to the Contracting Authority, to the country of the Contracting Authority, or to the use of the products/goods, systems or services to be supplied, which arise from trade regulations from a country supplying those products/goods, systems or services, and which substantially impede the Supplier from meeting its obligations under the Contract, shall release the Supplier from the obligation to provide deliveries or services, always provided, however, that the Supplier can demonstrate to the satisfaction of the Contracting Authority and of the Bank that it has completed all formalities in a timely manner, including applying for permits, authorizations and licenses necessary for the delivery of the products/goods, systems or services under the terms of the Contract.

Schedule of Requirements

Content

1. List of Related Services and schedule of delivery	2
2. Technical Specification	3
3. General technical requirements	4

1. List of Related Services

No.	Conditions	All lots
1	The deadline for delivery of materials in the event that the advance payment is not requested is 55 days or 85 days in case the advance is requested from the day the contract enters into force, in accordance with the dynamics foreseen in the Terms of Reference for the building material –Time Schedule. (in days)	55 (85)
2	Minimum Manufacturer`s warranty (in years)	2
3	Maximum period of replacement of broken and damaged parts (in days)	10

2. Technical Specification

The purpose of the Technical Specifications (TS), is to define the technical characteristics of the Goods and Related Services required by the Contracting Authority.

The TS shall require that all goods and materials to be incorporated in the goods be new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided for otherwise in the contract.

Table of Technical Specifications of all the items that are a consistent part of the procurement process are given as a separate MS Excel file - Annex 2: Bill of Quantities.

3. General technical requirements – specifications for building material

General technical requirements for building material

The table with technical standards and requirements for the building materials for all items which are a constituent part of this procurement are given as a special part – Annex 1: Technical requirements and standards.

TERMS OF REFERENCE

INTRODUCTION

Regional Housing Programme

Regional housing programme (RHP) is a constituent part of „ Sarajevo process on refugees and displaced persons“ initiated in 2005, activated again in March 2010 at the Belgrade conference, to which the state partners obliged again at the Belgrade Declaration in November 2011. RHP is supported by the international community, including the European Union (EU), represented by the European Commission (EC), United States of America (USA), United Nations High Commissioner for Refugees (UNHCR) and Organization for Security and Cooperation in Europe (OSCE).

The subject of this document is the realization of housing programme for refugees and internally displaced persons in Serbia.

Specific goals

Goal of this component of RHP Serbia is providing housing units through the allocation of building material.

Allocation of building material shall be done on parcels over which the ownership is clearly defined and undisputed, for the following facilities:

- Which possess documents proving that they are legally built, or
- Which are in the process of legalization and for which planning and technical/location conditions have been issued, and for which the decision on execution of works/building permit can be obtained.

Beneficiary is the one which initiates the procedure for issuing the location conditions and building permit or conducts the process of legalization of the facility.

LIST OF ACTIVITIES

Following are the activities of the Supplier during the delivery of building material and equipment in chronological order:

1. Supplier shall together with the Technical Representative of the Contracting authority (hereinafter Technical Representative) conduct visits of the locations where the facilities are, in order to record the condition and plan the activities during the delivery of the building material.
2. Supplier shall together with the Technical Representative, prepare the detailed „*Delivery schedule*“ for the group of houses (if it's possible) or for every housing unit individually,

depending on locations of housing units within each municipality individually according to the table.

The Supplier shall deliver the building material in accordance with the „*Delivery schedule*“, conditions of Contract.

Time frame

Day of contract conclusion	Contract signed by all contract parties
Submission of the Financial Security: <ul style="list-style-type: none">• Performance Security• Advance Payment Security (should the Tenderer opt for an advance)	Within 30 days from the signing of contract
Submission of Vendors list	Within 10 days from contract conclusion
Check, corrections and approval of vendors list	Within 20 days from contract conclusion
Entry into force of the Contract	The contract enters into force when the following conditions are met: submitted Performance Security, or the Advance Payment Security (should the Tenderer opt for an advance) and delivered the correct version of the Vendors list.
Payment of advance (should the Tenderer opt for an advance)	Within 30 days from the day of submission of the Advance Payment Security
Written order for the delivery of building material	Within 10 days from contract entering into force
Delivery of the building material	Within 45 days from the day of issuing a written order for the delivery of the building material
Instalment of material by the beneficiary	Within 180 days from the day of expiration of the deadline for the delivery of building material.

Note:

In accordance with the aforementioned dynamics, the deadline for the delivery of the materials in the event that the advance is not requested is 55 days, i.e. 85 days (if the Tenderer opts for the advance), from the day the contract entering into force.

EXPECTED RESULTS

Producing and approving of Vendors List

- At the request of the Contracting Authority, no later than 10 days after the conclusion of the contract, the Supplier is obliged to submit the fully completed Vendors list.
- Vendors list (part of Annex 2: Bill of Quantities) must contain precise product and manufacturer identification, in accordance with the required technical requirements and standards (Annex 1: Technical requirements and standards).
- The Vendors list is checked by the Contracting Authority i.e. Technical Representative, and it informs the Supplier in writing of the results of the check.
- If the Contracting Authority, i.e. the Technical Representative finds that the offered product (s) is not / are not in accordance with the required technical requirements and standards, he sends a request to the Supplier to modify the item/s.
- The supplier is obliged, in accordance with the instructions of the Contracting Authority, i.e. Technical representative, to amend / correct the Vendors list, and to submit the new one no later than 5 days after receiving the request.

Delivery plan

- The Supplier is obliged to submit to the Contracting Authority a Delivery Plan for each facility individually or for a group of facilities.
- The production of the Delivery Plan will be coordinated with the Contracting Authority i.e. Technical Representative.
- The delivery plan must be previously agreed and approved by the Contracting Authority.

Supplier`s obligations

- Coordinate activities with RHP Beneficiaries (owners of the facilities), representative of the Contracting authority and the Technical Representative, in order to secure the timely delivery;
- Delivery of the material and equipment is done in accordance with the previously agreed „Delivery schedule“; List of material and equipment shall be prepared by the Technical Representative and submitted to the Supplier at least 10 days before the expected delivery date;
- Providing the timely notice to the Beneficiary, Contracting authority`s representative and Technical representative on the planned delivery in order to secure their presence on site during the delivery; delivery cannot be completed without the previously written approval obtained by the Contracting authority`s representative or Technical representative
- To provide the delivery of quality material and equipment in accordance with the conditions of the tender document, along with the appropriate attestations of quality;
- Provide the confirmations form the manufacturer and warranties for all delivered goods;

- Together with the Technical representative, advise the Beneficiary on the most suitable way of keeping and storing the delivered material and equipment;
- Provide the necessary documentation (bill of landing, reverse..) which shall be overviewed (and if necessary sign) by the representatives of the Contracting authority and/or Technical representative;
- Signed Minutes of handover of material and/or equipment with the RHP Beneficiary (owner of the facility) during every individual delivery; Minutes of handover must be signed and by the Technical representative (or Contracting authority's representative personally) who shall sign it as a witness;
- To fill in and sign in the presence of the Contracting authority's representative and Technical representative "Reminder on health and safety at work and environment protection", which shall be prepared by the Technical representative, and in accordance with the Tender document.

HEALTH AND SAFETY AT WORK AND ENVIRONMENT PROTECTION

Health and safety at work

Supplier's obligations:

- To obey and apply the provisions of the Law on Safety and Health at Work;
- To obey the instructions of the Technical representative on all issues related to health and safety at work;
- Conduct the delivery in accordance with the dynamics plan, i.e. Delivery schedule, harmonized with the Contracting authority and Technical representative;
- To create and initiate the creation of the necessary compliance of the Delivery schedule in accordance with the recorded needs on site, i.e. changes on the construction site (weather conditions, etc...);
- Coordinates the delivery with the owner of the object that is the subject of the reconstruction (Beneficiary) and / or the contractor (or some phase of the works), who will work together or one at a time (sequentially) on the same site / object in order to prevent injuries at work and the protection of workers' health
- To secure for the persons who transport and unload the material to be dressed and qualified for using the vehicles and equipment used for those activities;
- To provide that the work procedures during the delivery of the building material and equipment are applied in the safe way;
- Together with the Technical representative provide that only the employed and authorized persons are permitted to access the construction site/facility at the time of delivery;
- Takes all necessary measures for the proper operations and appropriate tidiness on the construction site/facility at the time of delivery;

- Chooses the adequate vehicle for the transport/delivery, taking into consideration the manner of maintaining the access roads and determining the directions of movement and areas for passing and walking;
- Using the technically correct vehicles and equipment for loading/unloading, without the deficiencies which can influence health and safety of the workers;
- Proper layout and marking the surfaces for storing of different materials, especially when it is about dangerous materials;
- Provide cooperation of the Supplier with other persons on site/object at the time of delivery;
- Provide and secure adequate conditions under which the dangerous materials are being used, moved and removed;
- Adequate storing and removing the debris and waste materials.

Environment protection

Supplier`s obligations:

- Follow the provisions of the Law on Environmental Protection;
- Follow the instructions of the Technical representative on all issues regarding the environment;
- Conduct regular wetting of the dusty surfaces and prevent a waste of building materials during transport; transport of the materials prone to dispersion (sand and gravel) shall be done by vehicles which have adequate baskets and/or use adequate system of protection from the material dispersion;
- Take the measures on repair of the ground in case of oil and fuel spills during the work of the vehicles, construction machines and mechanization;
- Waste material which is created in the process of delivery (communal waste, construction debris, metal debris, plastic, paper etc.) shall be appropriately gathered, separated and removed to the foreseen and approved location;
- Secondary raw materials, dangerous and other waste which possibly appears in the process of delivery, shall be removed from the construction site/facility and handed over to the legal person who has the appropriate permit for handling waste (storage, treatment, disposal etc.);
- Provide appropriate equipment, technical and technological solutions, which secure that the emission of polluting materials in the air remains within the limit values;
- Foresee the adequate sound insulation, which secures that the noise arising from the transport vehicles is not over the limit values during conducting the planned activities.

Contract Agreement

ON DELIVERY OF GOODS - BUILDING MATERIAL

AGREEMENT CONCLUDED BETWEEN:

1. **City of Sombor, Trg Cara Uroša 1, 25000 Sombor, Tax Identification Number: 100123258, Registration Number: 08337152** represented by president Dusanka Golubovic (hereinafter “The Contracting authority”), on one part
and
2. [Insert the name of Supplier, place, address and country of headquarters, TIN, identification number and the person representing it].

WHEREAS the Contracting authority invited the tenders for certain goods and related services, for the procurement of 37 building material packages within the Regional Housing Programme in the Republic of Serbia, number 5 subproject, number: **RHP-W5-404-202/2019-VIII** and accepted the tender by the tenderer for the procurement of these goods in the amount of < insert contract amount > euros [DDP+unload, VAT excluded], hereinafter „contract price”,

NOW THIS AGREEMENT WITNESSED AS FOLLOWS:

1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Contract documents referred to.
2. The following documents constitute the Agreement between the Contracting authority and the supplier and each is to be read and interpreted as a constituent part of the Agreement:
 - (a) this contract agreement,
 - (b) Special Conditions of Contract,
 - (c) General Conditions of Contract,
 - (d) Technical requirements and standards,
 - (e) Bill of quantities,
 - (f) Terms of reference,
 - (g) Decision on contract award no. ____,
 - (h) All other documents which are a part of the tender document with all amendments and addenda and the Supplier`s tender no._____.

3. This Agreement shall prevail over all other contract documents. In case of discrepancies or inconsistencies in the above-mentioned documents, the prevailing document shall be the one according to the abovementioned list.
4. In consideration of the payments to be made by the Contracting authority to the Supplier as specified in this Agreement, the Supplier hereby covenants with the Contracting authority to provide the Goods and Services and to remedy defects therein in conformity in all respects with the provisions of the Contract.
5. The Contracting authority hereby covenants to pay the Supplier in the manner, under the conditions and deadlines as defined in the provisions of the Contract at the times and in the manner prescribed by the Contract.
6. This Contract enters into force upon the following conditions being met: submission of the Performance Security, i.e. Advance Payment Security (should the Supplier opt for advance) and correct version of the Vendors list.

IN WITNESS whereof the parties hereto have caused this Agreement to be signed in accordance with the laws of the Republic of Serbia on the day, month and year indicated above.

For and on behalf of the Supplier:

For and on behalf of the Contracting authority:

SPECIAL CONDITIONS OF CONTRACT

The following Special Conditions of Contract (SCC) shall supplement and/or amend the General Conditions of Contract (GCC). Whenever there is a conflict, the provisions herein shall prevail over those in the GCC.

OUU 1.1(i)	The Contracting authority's country is: The Republic of Serbia
OUU 1.1(j)	The Contracting authority is: City of Sombor
OUU 1.1 (o)	The Project Site(s)/Final Destination(s) is/are: Provided in Annex 2: Bill of Quantities
OUU 4.2 (6)	The version edition of Incoterms shall be the latest edition published by the International Chamber of Commerce, 38 Cours Albert 1er, 75008 Paris, France the official web site at: http://www.iccwbo.org/index_incoterms.asp
OUU 5.1	The language shall be: Serbian or English. Tenders, as well as all correspondence and documents relating to the contract procurement procedure exchanged between the Supplier and the Contracting authority shall be written in the language of the procedure. In case of discrepancies, the prevailing interpretation is in Serbian language.
OUU 8.1	For notices , the Contracting authority's address shall be: To: City of Sombor Address: Trg Cara Uroša 1 City: 25000 Sombor Country: The Republic of Serbia Telephone: 025/468111 Facsimile number: / E-mail address: rkrstic@sombor.rs
OUU 9.1	The governing law shall be the law of The Republic of Serbia
OUU 10.2	In case of dispute competent will be: Sombor Economic Court
OUU 12.1	Deadline for the delivery of materials shall be 55 days, i.e. 85 days (should the Supplier opt for advance) from the day of entering into force of the contract, in accordance with the dynamics foreseen in the Terms of reference and Time frame (in days). Details on shipment and other documentation which the Supplier needs to obtain: Upon the shipment of goods, the Supplier shall notify the Contracting Authority of all shipping details. The Supplier shall deliver the following documents to the Contracting Authority by email or by post: a) a copy of the invoice with data on type, quantity and value

	<p>b) a certificate of origin</p> <p>c) the estimated time of entry of the goods into the country of the contracting authority and the delivery to the final destination as well as the place of entry into the country</p> <p>The above documents are to be received by the Contracting Authority before the goods arrive, and if not received, the supplier is responsible for all subsequent costs including customs duties.</p>
OUU 14.1	<p>The prices charged for the Goods supplied and the related Services performed shall not be adjustable.</p>
OUU 15.1	<p>The method and conditions of payment to be made to the Supplier under this Contract shall be as follows:</p> <p>(i) Advance: <Enter percentages> percentage of the contract price (in accordance with the requested advance in the Tender form) is paid within thirty (30) days from the date of submission of the Advance Payment Security (and the accompanying invoice to the amount of the bank's Advance Payment Security VAT included).</p> <p>Upon receipt of goods: The remainder of the contract price for the delivered goods shall be paid upon receipt of the goods no later than forty-five (45) days from the date of the submission of the invoice and other relevant documents.</p> <p>The invoice is submitted in euros (EUR) and payment is made to the account indicated by the Supplier</p> <p>Tenderers, resident companies, must submit the following documents:</p> <ul style="list-style-type: none"> a) An invoice with details about the type, quantity and value b) Delivery note on materials/equipment signed by the RHP user (owner of the object), during every individual delivery; Delivery note must also be signed by the Technical representative of the Contracting authority (or representative of Contracting authority personally) who will sign it as a witness. <p>Non-residents should submit the following additional documents:</p> <ul style="list-style-type: none"> a) CMR waybill and b) Unified Customs Document
OUU 15.5	<p>The payment-delay period after which the Contracting authority shall pay interest to the supplier shall be forty five (45) days.</p> <p>The interest rate that shall be applied is in accordance with the relevant law.</p>
OUU 17.1	<p>The Tenderer who gets the Contract awarded, is obliged to, within 30 (thirty) calendar days from the day of concluding the contract, submit the Performance Security to the Contracting Authority.</p>

	<p>Performance Security is in the form of: unconditional, irrevocable and payable at the first call bank guarantee, verified by the domestic bank acceptable to the Contracting Authority.</p> <p>Performance Security is issued to the amount of 10% of the contract price. Performance Security validity period is 30 days past the deadline for the completion of the delivery.</p> <p>If the selected Tenderer does not conclude the contract, i.e. fails to submit the Performance Security in the foreseen timeframe, such omission can create the grounds for putting the Decision on contract award out of force, and activation of the means of security for tender security. In that case, the Contracting Authority can award the contract to the next most favourable tenderer or to cancel the tender procedure.</p> <p>Tenderer who gets Contract awarded shall agree to a one-time extension of this security to the period not exceeding one year, as a response to the written request of the Contracting Authority for extension, provided that the request is submitted prior to the expiration of the security.</p>
OUU 17.3	Bank guarantee should be in the currency of the contract (EUR).
OUU 17.4	Release is done within 28 (twenty-eight) days upon the expiration of the Performance security validity period.
OUU 21.2	<p>The selected tenderer shall within 10 days from the contract signing submit the Vendors list (part of Annex 2: Bill of Quantities) to the Contracting Authority. In accordance with the Terms of reference, the Contracting Authority shall inspect the Vendors list and issue a Notification to the Supplier.</p> <p>If the selected tenderer does not submit the appropriate Vendors list within the set period, then such omission can create grounds for cancellation of the Decision on contract award and for Tender Security forfeiture. In that case, the Contracting Authority can award the contract to the next most favourable tenderer or to cancel the tender procedure</p>
OUU 22.2	The packing, marking and documentation within and outside the packages shall be: Manufacturer's original packaging (trademark owner's)
OUU 23.1	The insurance coverage shall be as specified in the <i>Incoterms</i> .
OUU 24.1	The Supplier is required under the Contract to transport and unload the Goods to a specified place of final destination within the Contracting authority's country, defined as the Project Site. Transport and unloading to such place of destination in the Contracting authority's country, including insurance and storage, shall be arranged by the Supplier, and related costs shall be included in the Contract Price (in accordance with

	the stated Incoterms parity).
OUU 25.1	The inspections shall be done by the Technical representative selected by the Contracting authority.
OUU 25.2	The inspections are done at: Project Site .
OUU 26.1	The liquidated damage shall be: 0.1% of Contract price per day. The maximum amount of liquidated damages shall be: ten percent (10%) of Contract price .
OUU 27.3	The Guarantee validity period shall be: according to the table „ List of Related Services “ Section C – Schedule of Requirements
OUU 27.5	The period for repair or replacement shall be: in accordance with „List of Related Services“ C – Schedule of Requirements
OUU 32.1	Contracting authority keeps the right to change the contract quantities up to the amount not exceeding 5% of the contract price, using the contract unit prices, in which case the Annex to the contract shall be concluded.

KOD/ CODE		Opis građevinskog materijala	Description of building materials
1	A	OSNOVNI GRAĐEVINSKI MATERIJAL	BASIC BUILDING MATERIALS
1.1	O 1	Cement za betone do MB 30	Cement for concrete up to 30 MB
1.2	O 2	Hidratisani gašeni kreč pripremljen u prahu	Hydrated slaked lime powdered
1.3	O 3	Rebrasto betonsko gvožđe (RA)	Ribbed reinforcement steel
1.3.1	A	10 mm - dužine 12m	10 mm - length 12m
1.3.2	B	12 mm - dužine 12m	12 mm - length 12m
1.3.3	C	14 mm - dužine 12m	14 mm - length 12m
1.3.4	D	16 mm - dužine 12m	16 mm - length 12m
1.4	O 4	Glatko betonsko gvožđe (GA)	Glibly reinforcement steel
1.4.1	B	8 mm - dužine 12m	8 mm - length 12m
1.4.2	C	10 mm - dužine 12m	10 mm - length 12m
1.5	O 5	Armatura betonska mreža dim. (dxš) 6000 x 2150 = 12,9 m2/kom	Reinforcement mesh dim. (lxw) 6000 x 2150 = 12,9 m2/pcs
1.5.1	A	Q84 /4x4/150x150/	Q84 /4x4/150x150/
1.5.2	B	Q131 /5x5/150x150/	Q131 /5x5/150x150/
1.5.3	C	Q188 /6x6/150x150/	Q188 /6x6/150x150/
1.5.4	D	Q283 /6x6/100x100/	Q283 /6x6/100x100/
1.5.5	E	Q335 /8x8/150x150/	Q335 /8x8/150x150/
2	Z	MATERIJAL ZA ZIDANJE, MALTERISANJE, GLETOVANJE I FARBANJE	MASONRY, PLASTERING FAIRING AND PAINTING MATERIAL
2.1	Z 1	Giter blok (d/š/v) 250x190x190 mm	Gitter block (l/w/h) 250x190x190 mm
2.2	Z 2	Giter polublok (12cm) (d/š/v) 250x120x190mm	Gitter half block (12cm) (l/w/h) 250x120x190mm
2.3	Z 3	Opeka puna (d/š/v) 250x120x65 mm	Brick (full-without holes) (l/w/h) 250x120x65 mm
2.4	Z 4	Blok od porobetona za pregradni zid (d/š/v) 625x200x200 mm	Aerated concrete block for partition wall (l/w/h) 625x200x200 mm
2.5	Z 5	Fert nosači (gredice) Dužina nosača je jednaka dužini binora = širina otvora između zidova + 30 cm. Broj gredica = dužina prostorije x 0,40	Fert beams Boom length is equal to the length of Binor = width of the openings between the walls + 30 cm. Number of beams = length of room x 0.40
2.5.1	A	0,00-3,90 m	0,00-3,90 m
2.5.2	B	3,91-4,50 m	3,91-4,50 m
2.5.3	C	4,51-4,90 m	4,51-4,90 m
2.5.4	D	4,91-5,30 m	4,91-5,30 m
2.5.5	E	5,31-5,90 m	5,31-5,90 m
2.5.6	F	5,91-6,30 m	5,91-6,30 m
2.6	Z 6	Fert ispuna (d/š/v) 245x285/275x160 mm	Fert fillings (l/w/h) 245x285/275x160 mm
2.7	Z 7	Malter za zidanje Pripremljeno krečno - cementno vezivo	Mortar for masonry Prepared lime - cement binder
2.8	Z 8	Malter za malterisanje Pripremljeno krečno - cementno vezivo	Mortar for plastering Prepared lime - cement binder
2.9	Z 9	Krečna glet masa Bezcementna krečna masa za gletovanje	Lime smoothing mass No cement lime compound for smoothing

KOD/ CODE		Opis građevinskog materijala	Description of building materials
2.10	Z 10	Poludisperzivna boja Poludisperziona boja razrediva vodom	Semi dispersion paint

3	K	MATERIJAL ZA KROVNU KONSTRUKCIJU, KROVNI POKRIVAČ, OSB I GIPS KARONSKE TABLE	ROOF CONSTRUCTION AND ROOFING MATERIAL, OSB AND PLASTERBOARD TABLE
3.1	K 1	Presovani glineni crep I klase dimenzija: 400-450x245-275 mm	Pressed clay tiles class 1 dim: 400-450x245-275 mm
3.2	K 3	Biber crep I klase dimenzija: 180-200x380-400 mm	Biber clay tiles class 1 dim. 180-200x380-400 mm
3.3	K 2	Slameni crep I klase (žlebjnjak)	Ridge clay tiles class 1
3.4	K 4	Paropropusna i vodonepropusna krovna folija kontrola vodene pare iznad termoizolacije	Vapour permeable and waterproof roof sheeting control of water vapor above the insulation
3.5	K 5	Staklena mineralna vuna termoizolacija potkrovila između rogova	Glass Mineral Wool loft insulation between the rafters
3.5.1	A	debljina d=10 cm	thickness d=10 cm
3.5.2	B	debljina d=12 cm	thickness d=12 cm
3.5.3	C	debljina d=14 cm	thickness d=14 cm
3.6	K 6	Parna brana kontrola vodene pare ispod termoizolacije	Vapor barrier control of water vapor below the insulation
3.7	K 7	Čamova rezana građa različitog preseka dužine 400 cm	Fir lumber of different cross-section length 400 cm
3.7.1	A	Rog/Venčanica/Raspinjača 10/12 cm	rafters / wall plate / ridge collar 10/12 cm
3.7.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	column / pile / hip rafter / ridge 12/14 cm
3.7.3	C	Stub/Grebenjača 14/14 cm	column / hip rafter 14/14 cm
3.7.4	H	Tavanjače 18/26 cm	attic beams 18/26 cm
3.8	K 8	Čamova rezana građa različitog preseka dužine 600 cm	Fir lumber of different cross-section length 600 cm
3.8.1	A	Rog/Venčanica/Raspinjača 10/12 cm	rafters / wall plate / ridge collar 10/12 cm
3.8.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	column / pile / hip rafter / ridge 12/14 cm
3.8.3	C	Stub/Grebenjača 14/14 cm	column / hip rafter 14/14 cm
3.8.4	D	Rožnjača 14/16 cm	Purlin 14/16 cm
3.8.5	E	Kosnik/Pajanta 10/10 cm	Strut 10/10 cm
3.8.6	F	Klešta 6/12 cm	Collar tie 6/12 cm
3.8.7	G	Krovna štafla 5/8 cm	Roof battens 5/8 cm
3.8.8	H	Tavanjače 18/26 cm	attic beams 18/26 cm
3.9	K 9	Građevinska daska - fosna 4,8/25/400 cm	Fir board 4,8/25/400 cm
3.10	K 10	Krovna daska od čamove rezane građe 2,4-2,5/15 cm, isporučuje se dužine l=3,0 metra	Roof fir board 2,4-2,5/15 cm, lenght l=3,0 m
3.11	K 11	Krovna letva od čamove rezane građe 3 / 5 cm , isporučuje se dužine l=3,0 metra	Fir batten 3 / 5 cm , lenght l=3,0 m
3.12	K 12	OSB3 vlagoootporne konstruktivne ploče d=18 mm / dim. 2440 x 1220	OSB3 moisture resistant structural panels d=18 mm / dim. 2440 x 1220
3.13	K 13	Standardne gips kartonske ploče - Tip A dimenzije: 1200-1250 x 2000 mm	Standard plasterboard table - Type A dim: 1200-1250 x 2000 mm

KOD/ CODE		Opis građevinskog materijala	Description of building materials
3.14	K 14	Vlagootporne gips kartonske ploče - Tip H2 dimenzije: 1200-1250 x 2000 mm	Moisture resistant Plasterboard - Type H2 dim: 1200-1250 x 2000 mm
3.15	K 15	Čelični pocinkovani i farbani olučni elementi prečnika: Ø 100 mm dužine 600 cm	Galvanized steel and painted gutter elements diameter: Ø 100 mm length 600 cm
3.15.1	A	Horizontalni polukružni element+ prateći paket uz svaki komad elementa. Sadržaj paketa pratećih elemenata horizontalnog oluka. Jedan paket sadrži: čelo (forkop) - 1 komad, kuka preseka 3-5/20-50mm- 10 komada. Čelični pocinkovani elementi farbani u boji oluka.	Horizontal semicircular element + accompanying package with each piece of element. Content of the accompanying elements of the horizontal gutter. One package contains: forehead (forkop) - 1 piece, hook cross section 3-5 / 20-50mm- 10 pieces. Steel galvanized elements color gowns.
3.15.2	B	Vertikalni kružni oluk + prateći paket uz svaki komad elementa Sadržaj paketa pratećih elemenata vertikalnog oluka. Jedan paket sadrži: kotlič- 1 komad, koleno 72°-3 komada, obujmica (šelna)-4 komada. Čelični pocinkovani elementi farbani u boji oluka.	Vertical circular gutter + accompanying package with each piece of element Package contents of the accompanying elements of the vertical gutter. One package contains: kettle- 1 piece, knee 72 °-3 pieces, clamp (heel) -4 pieces. Steel galvanized elements color gowns.

4	P	MATERIJAL ZA PODOVE, LAMINAT, PLOČICE I XPS	FLOORING, LAMINATE, TILES AND XPS
4.1	P 1	Unutrašnje podne keramičke pločice Min. dimenzije pločica: 200x300 mm	Floor tiles for inside Min. tile size: 200x300 mm
4.2	P 2	Unutrašnje zidne keramičke pločice Min. dimenzije pločica: 200x300 mm	Wall tiles for inside Min. tile size: 200x300 mm
4.3	P 3	Lepak za keramičke pločice Fleksibilni, polimer-cementni lepak	Glue for ceramic tiles Flexible, polymer-cement glue
4.4	P 4	Fleksibilna masa za fugovanje Vodooodbojna fug masa na bazi cementa	Flexible mass for grouting Waterproof grout cement based
4.5	P 5	Laminat - jakopresovani (HLP) sa klik sistemom, dezen: hrast natur (prirodni)	Laminate (HLP) with click system, design: oak natural (natural)
4.6	P 6	Lajsne za laminat od medijapanu materijal: medijapan / MDF	Moldings for laminate MDF Material: MDF / MDF
4.7	P 7	Podloga za laminat od polietilenske pene Sunderasta podloga za laminat	The base for laminate of polyethylene foam Foam base for laminate
4.8	P 8	Cementni suvi estrih (cementna košuljica). Pripremljeno cementno praškasto vezivo	Cement dry screed (cement screed) Prepared cement powder binder
4.9	P 9	Građevinska PVC folija Za razdvajanje cementne košuljice od termo izolacije.	PVC foil for construction. To separate the cement screed of thermal insulation.

KOD/ CODE		Opis građevinskog materijala	Description of building materials
4.10	P 10	Stirodur (XPS za izolaciju na podovima) ploča od ekstrudirane polistirenske pene	Stirodur (XPS insulation for floors) panel of extruded polystyrene foam
4.10.1	A	deblijine d=2 cm	d=2 cm
4.10.2	B	deblijine d=5 cm	d=5 cm

5	F	MATERIJAL ZA IZRADU FASADE	FACADE MATERIAL
5.1	F 1	EPS za termoizolaciju fasadnih zidova ploča od ekspandiranog polistirena	Thermal insulation for facade walls (EPS) plates made of expanded polystyrene
5.1.1	A	deblijina d=8 cm	d=8 cm
5.1.2	B	deblijina d=10 cm	d=10 cm
5.1.3	C	deblijina d=12 cm	d=12 cm
5.1.4	D	deblijina d=14 cm	d=14 cm
5.2	F 2	Građevinski lepak za EPS ploče cementni lepak namenjen za lepljenje ploča od ekspandiranog polistirena (EPS) i armiranje armaturne (rabit) mrežice	Construction glue for EPS plates cement adhesive for gluing plates made of expanded polystyrene (EPS) and reinforcing wire (rabit) net
5.3	F 3	Armaturalna (rabit) staklena mrežica. Visokokvalitetna alkalno postojana staklena mrežica	Reinforcing (rabit) fiberglass mesh High quality alkali resistant fiberglass mesh
5.4	F 4	Aktivni predpremaz pre nanošenja tankslojnog fasadnog maltera. predpremaz za izjednačavanje upijanja - podloga	Active primer before applying the thin-layer plaster primer for the equalization of absorption surface
5.5	F 5	Fasadni tankslojni akrilni malter Završni malter u pastoznom stanju, namenjen za zaštitu fasadnih zidnih površina	Facade thin-layer acrylic plaster Finishing plaster in paste-like state, intended for the protection of facade wall surfaces
5.5.1	A	boja približna RAL 1034 -kajsija	color similar to RAL 1034-apricot
5.5.2	B	boja približna RAL 6005 -pastelno zelena	color similar to RAL 6005 pastel-green
5.5.3	C	boja približna RAL 5023 -pastelno plava	color similar to RAL 5023 pastel-blue
5.5.4	D	boja približna RAL 3011 -pastelno crvena	color similar to RAL 3011 pastel-red
5.5.5	E	boja približna RAL 8002 -braon	color similar to RAL 8002 brown

6	H	MATERIJAL ZA HIDRO IZOLACIJE	WATERPROOFING MATERIAL
6.1	H 1	Bitulit (prethodni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	Bitulit (previous coating for waterproofing) It is used as delivered (cold process) without heating
6.2	H 2	Poliazbitol (hladni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	POLYASBITOL (cold coating for waterproofing) It is used as delivered (cold process) without heating

KOD/ CODE		Opis građevinskog materijala	Description of building materials
6.3	H 3	Ter papir Bitumenska hidroizolaciona traka.	Ter paper Bituminous waterproofing tape.
6.4	H 4	Kondor V-3 (hidroizolaciona traka) Plastomer-bitumenska traka, uložak stakleni voal, debljina: ≥ 3 mm	Condor V-3 (waterproof tape) Plastomer-bituminous tape, glass mat, thickness: ≥ 3 mm

7	S	STOLARIJA	DOORS AND WINDOWS
7.1	S 1	Ulazna vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	Entrance door of PVC (set position) Profile color: white RAL 9003 Number of chambers: ≥ 5 chambers width x height (masonry measures)
7.1.1	A	JK 90x210 cm - Leva 90 cm	one wing 90x210 cm - Left 90 cm
7.1.2	B	JK 90x210 cm - Desna 90 cm	one wing 90x210 cm - Right 90 cm
7.1.3	C	DK 120x210 cm - Leva 90+30 cm	two wings 120x210 cm - Left 90+30 cm
7.1.4	D	DK 120x210 cm - Desna 90+30 cm	two wings 120x210 cm - Right 90+30 cm
	E	JK 90x200 cm - Leva 90 cm	JK 90x200 cm - Left 90 cm
	F	JK 90x200 cm - Desna 90 cm	JK 90x200 cm - Right 90 cm
	G	DK 120x200 cm - Leva 90+30 cm	DK 120x200 cm -Left 90+30 cm
	H	DK 120x200 cm - Desna 90+30 cm	DK 120x200 cm - Right 90+30 cm
7.2	S 2	Prozori od PVC-a (komplet pozicija). Vertikalno i horizontalno otvaranje, boja profila: bela RAL 9003, broj komora: ≥ 5 komora širina x visina (zidarske mere)	Windows made of PVC (set position) Vertical and horizontal opening, color profile: white RAL 9003, the number of chambers: ≥ 5 chambers width x height (masonry measures)
7.2.1	A	JK 60x60 cm	one wing 60x60 cm
7.2.2	B	JK 80x80 cm	one wing 80x80 cm
7.2.3	C	JK 80x120 cm	one wing 80x120 cm
7.2.4	D	JK 80x140 cm	one wing 80x140 cm
7.2.5	E	JK 100x120 cm	one wing 100x120 cm
7.2.6	F	JK 100x140 cm	one wing 100x140 cm
7.2.7	G	DK 120x120 cm	two wings 120x120 cm
7.2.8	H	DK 120x140 cm	two wings 120x140 cm
7.2.9	I	DK 140x120 cm	two wings 140x120 cm
7.2.10	J	DK 140x140 cm	two wings 140x140 cm
7.2.11	K	DK 160x120 cm	two wings 160x120 cm
7.2.12	L	DK 160x140 cm	two wings 160x140 cm

KOD/ CODE		Opis građevinskog materijala	Description of building materials
7.3	S 3	Krovni prozor sa aluminijumskom opšivkom od laminirane i impregnirane čamove građe	Roof window with aluminum flashings of laminated and impregnated fir timber
7.3.1	A	dimenzije 66 x 118 (širina x visina)	66 x 118 (width x height)
7.3.2	B	dimenzije 78 x 98 (širina x visina)	78 x 98 (width x height)
7.3.3	C	dimenzije 78 x 118 (širina x visina)	78 x 118 (width x height)
7.4	S 4	Balkonska vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	Balcony doors from PVC (set position) Profile color: white RAL 9003 Number of chambers: ≥ 5 chambers width x height (masonry measures)
7.4.1	A	JK 90x210 cm - Leva	
7.4.2	B	JK 90x210 cm - Desna	
7.4.3	C	DK 140x210 cm	
	D	JK 90x200 cm - Leva	
	F	JK 90x200 cm - Desna	
	G	DK 140x200 cm	
7.5	S 5	Unutrašnja vrata sa ispunom od kartonskog sača (komplet pozicija). širina x visina (spoljna mera futera)	Internal doors filled with cardboard honeycomb (set position) width x height (external measures footer)
7.5.1	A	70x205 cm - Leva (dubina štoka 0-16 cm)	70x205 cm - Left (depth door 0-16 cm)
7.5.2	B	70x205 cm - Leva (dubina štoka 16-30 cm)	70x205 cm - Left (depth door 16-30 cm)
7.5.3	C	70x205 cm - Desna (dubina štoka 0-16 cm)	70x205 cm - Right (depth door 0-16 cm)
7.5.4	D	70x205 cm - Desna (dubina štoka 16-30 cm)	70x205 cm - Right (depth door 16-30 cm)
7.5.5	E	80x205 cm - Leva (dubina štoka 0-16 cm)	80x205 cm - Left (depth door 0-16 cm)
7.5.6	F	80x205 cm - Leva (dubina štoka 16-30 cm)	80x205 cm - Left (depth door 16-30 cm)
7.5.7	G	80x205 cm - Desna (dubina štoka 0-16 cm)	80x205 cm - Right (depth door 0-16 cm)
7.5.8	H	80x205 cm - Desna (dubina štoka 16-30 cm)	80x205 cm - Right (depth door 16-30 cm)
7.5.9	I	90x205 cm - Leva (dubina štoka 0-16 cm)	90x205 cm - Left (depth door 0-16 cm)

KOD/ CODE		Opis građevinskog materijala	Description of building materials
7.5.10	J	90x205 cm - Leva (dubina štoka 16-30 cm)	90x205 cm - Left (depth door 16-30 cm)
7.5.11	K	90x205 cm - Desna (dubina štoka 0-16 cm)	90x205 cm - Right (depth door 0-16 cm)
7.5.12	L	90x205 cm - Desna (dubina štoka 16-30 cm)	90x205 cm - Right (depth door 16-30 cm)

8	D	OSTALA OPREMA I MATERIJAL	OTHER EQUIPMENT AND SUPPLIES
8.1	D 1	Jednostruki dimnjak prečnika Φ 140 mm. Trošlojni montažni dimnjački sistem namenjen za sva ložišta i sve vrste goriva, bez ventilacije. Sastavljen je od: dimnjačke cevi od tehničke keramike, izolacije oko cevi dimnjaka od kamene vune minimalne specifične težine 80kg/m ³ , spoljnog dimnjačkog plašta od lakog betona, vatrostalnog lepka u kartušama, vatrootpornih i gasnonepropusnih atestiranih trošlojnih vratanača, kondenz posude, priključaka za reviziju i ložišta, krovne ploče od staklo betona, nosača tervola i tvrdih tervol ploča za priključke, ventilacione rešetke, dilatacione rozete od nerđajućeg čelika. Spoljna dimenzija dimnjačkog plašta za f14cm=32x32cm.	A single chimney diameter 140 mm. Three-layer prefabricated chimney system designed for all furnaces and all types of fuel, with no ventilation. It is composed of: chimney pipe of technical ceramics, pipe insulation around the chimney of stone wool minimum specific weight of 80kg/m ³ , external chimney mantle of lightweight concrete, refractory adhesive in cartouches, fireproof and gas impermeable certified three-layer side door, condensate pots, connectors for the audit and furnaces, roof tiles of glass concrete girders Tervola and hard tervol plate connections, ventilation grilles, rosettes expansion of stainless steel. The external dimensions of the chimney sleeve f14cm = 32x32cm.

9	V	Vodovod Kanalizacija Oprema	WATER SUPPLY AND SEWAGE
		Vodovod	WATER SUPPLY
9.1	V 1	Vodovodne polietilenske cevi PE 100 PN16 za radni pritisak 16 bara (SDR 11)	Water supply polyethylene pipe PE 100 PN16 the working pressure of 16 bar (SDR 11)
9.1.1	A	d25 (s min. 2,3) - 3/4"	d25 (s min. 2,3) - 3/4"
9.1.2	B	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"
9.1.3	C	d40 (s min. 3,7) - 5/4"	d40 (s min. 3,7) - 5/4"
9.2	V 2	Vodovodne cevi PP-R 80 PN20 za radni pritisak 20 bara, bele ili zelene boje (materijal: polipropilen-random kapolimer)	Water pipe PP-R 80 PN20 the working pressure of 20 bar, white or green (material: polypropylene random kapolimer)
9.2.1	B	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"
9.2.2	C	d25 (s min. 4,2) - 3/4"	d25 (s min. 4,2) - 3/4"
9.2.3	D	d32 (s min. 5,4) - 1"	d32 (s min. 5,4) - 1"
9.3	V 3	Vodomer sa prirubnicama, holenderima i pripadajućom opremom za montažu, za pritisak do 16 bara	water gauge flanges, unions and associated equipment for assembly, for pressure up to 16 bar
9.3.1	A	horizontalni 3/4"	Horizontal 3/4"
9.3.2	B	horizontalni 1"	Horizontal 1"
9.3.3	C	horizontalni 5/4"	Horizontal 5/4"
9.4	V 4	Ravni propusni ventil sa ogrankom za pražnjenje	Skip straight valve with a branch drain
9.4.1	A	d25 (s min. 2,3) - 3/4"	d25 (s min. 2,3) - 3/4"
9.4.2	B	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"
9.5	V 5	Propusni ventil za uzidanje sa kapom	Gate valve for the wall with cap
9.5.1	A	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"
9.5.2	B	d25 (s min. 4,2) - 3/4"	d25 (s min. 4,2) - 3/4"
9.5.3	C	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"
9.6	V 6	Ugaoni "EK" sa kapom	Angle valve "EK" with cap
9.6.1	A	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"
9.7	V 7	Termička izolacija vodovodnih cevi -tipa plamaflex ISO ili sl.	Thermal insulation of water pipes-type PLAMAFLEX ISO etc..
9.7.1	B	d20 (22/9) - 1/2"	d20 (22/9) - 1/2"
9.7.2	C	d25 (25/9) - 3/4"	d25 (25/9) - 3/4"
9.7.3	D	d32 (35/9) - 1"	d32 (35/9) - 1"
		Kanalizacija	SEWAGE

KOD/ CODE		Opis građevinskog materijala	Description of building materials
9.8	V 8	PVC kanalizacione cevi SDR 41 / SN4 / PN5 za spoljni razvod, kućna i ulična kanalizacija	PVC sewer pipe SDR 41 / CH4 / PN5 for external distribution, household and street sewage
9.8.1	A	d110 (s min. 3,2) dužina 6,0m	d110 (s min. 3,2) length 6,0m
9.8.2	B	d160 (s min. 4,0) dužina 6,0m	d160 (s min. 4,0) length 6,0m
9.9	V 9	Plastične PP cevi SDR 51 / SN2 / PN4 za unutrašnji (kućni) razvod, kućna kanalizacija	Plastic PP pipes SDR 51 / SN2 / PN4 for internal (home) distribution, household sewage
9.9.1	A	d50 (s min. 1,8) dužina 3,0m	d50 (s min. 1,8) length 3,0m
9.9.2	B	d75 (s min. 1,9) dužina 3,0m	d75 (s min. 1,9) length 3,0m
9.9.3	C	d110 (s min. 2,7) dužina 3,0m	d110 (s min. 2,7) length 3,0m
9.10	V 10	Plitki PE podni sливник d50 sa horizontalnim odvodom dimenzija 150x150mm	Shallow PE floor drain with horizontal outlet d50 size 150x150mm
9.11	V 11	Zidni sifoni sa odvodnom mesinganom cevi d32 (mašina za pranje veša i sudova)	Wall siphon with drainage brass tubes d32 (washing machines, dishwashers)
		Oprema u kupatilu	BATHROOM EQUIPMENT
9.12	V 12	WC šolja od keramike I klase	Ceramic toilet bowl class 1
9.13	V 13	Niskomontažni plastični predzidni vodokotlić za nisku montažu iznad wc šolje sa plovkom i svim potrebnim delovima za funkcionišanje vodokotlića	Low mounting plastic-wall toilet tank for low installation above the toilet bowl float and all the parts required for the operation of flushing
9.14	V 14	Umivaonikom sa stubom od keramike I klase	Washbasin with ceramic pillar class 1
9.15	V 15	Pravougaona akrilna tuš kada dimenzija 90x90cm sa odlivnim ventilom	Rectangular acrylic shower size 90x90cm with discharge valve
9.16	V 16	Električni akumulacioni bojler 50l vertikalni grejač 2 kW, napon 230V, kazan izrađen od emajliranog lima, sa pratećim materijalom za ugradnju	Electric storage water heater 50l vertical heater 2 kW, 230V, caldron made of enameled steel, with supporting material for installation
9.17	V 17	Ogledalo sa etažerom (iznad umivaonika) četvrtasto, min. dimenzija 80x60cm	Mirror with shelf above wash basin square, min. 80x60cm
9.18	V 18	Baterije (slavine) hromirane baterije za hladnu i toplu vodu	Lever chrome lever for cold and hot water
9.18.1	A	za umivaonik jednoručna stoeća	For washbasin single lever basin standing
9.18.2	B	za tuš kadu (sa tuš ručicom i tuš crevom) jednoručna sa poniklovanim savitljivim crevom	For shower bath (with shower head and shower hose) Single lever with nickel hoses
9.18.3	C	za mašinu za veš i sudove, holender slavina DN20/15, s pripadajućom opremom za ugradnju	for washing machine and dishwasher, union DN20/15 taps, and all the equipment for installation
		Oprema u kuhinji	KITCHEN EQUIPMENT
9.19	V 19	Korito sudopere od "Inox "-a (dvodelno) (izrađeno od plemenitog nerđajućeg čelika) orjenacione dimenzije: 780 x 435 x 150 mm	kitchen sink "Inox" two-part (made of stainless steel) approx. dim: 780 x 435 x 150 mm

KOD/ CODE		Opis građevinskog materijala	Description of building materials
9.20	V 20	Električni akumulacioni bojler 5l za ugradnju iznad sudopere, vertikalni grejač 2 kW, napon 230V, kazan izrađen od plastike sa pratećim materijalom za ugradnju	Electric storage water heater 5l Fitting over the sink, vertical heater 2 kW, 230V, caldron made of plastic with the materials for installation
9.21	V 21	Baterija za sudoperu jednoručna stopeća hromirana baterija za hladnu i toplu vodu	Sink-standing single lever chrome mixer for hot and cold water

ELEKTRO MATERIJAL I OPREMA			Electrical materials and equipment		
Kablovi i kablovski pribor			Electrical cables and cable accessories		
10.1 E 1 Napojni kablovi			Power cables		
10.1.1 A	X00-A 4x16 mm ²	X00-A 4x16 mm ²			
10.1.2 B	PP00-Y 5x6 mm ²	PP00-Y 5x6 mm ²			
10.1.3 C	PP00-Y 5x10 mm ²	PP00-Y 5x10 mm ²			
10.2 E 2 Instalacioni kablovi	Installation cables				
10.2.1 A	PP-Y 3x1,5 mm ²	PP-Y 3x1,5 mm ²			
10.2.2 B	PP-Y 4x1,5 mm ²	PP-Y 4x1,5 mm ²			
10.2.3 C	PP-Y 3x2,5 mm ²	PP-Y 3x2,5 mm ²			
10.2.4 D	PP-Y 5x2,5 mm ²	PP-Y 5x2,5 mm ²			
10.3 E 3 Instalacione PVC cevi	PVC pipe for installations of cables				
10.3.1 A	fi 16mm ²	fi 16mm ²			
10.3.2 B	fi 50mm ²	fi 50mm ²			
Razvodne table i oprema			The junction boards and equipment		
10.4 E 4 Razvodna tabla	Stanska, za ugradnju na zid sa transparentnim vratima, sa mestom za 18 modula, DIN šinom, IP40 Razvodna tabla sadrži :				
10.5 E 5 Jednopolni instalacioni prekidač	(automatski osigurač) za montažu na DIN šinu nom. napona 230V/400V, 50Hz; karakteristike B; prekidne moći 6kA:				
10.5.1 A	nazivne struje 6A	rated current of 6A			
10.5.2 B	nazivne struje 10A	rated current of 10A			
10.5.3 C	nazivne struje 16A	rated current of 16A			
10.6 E 6 Signalna sijalica	za signalizaciju tarife 230V za ugradnju u stansku razvodnu tablu, montažu na DIN šinu				
10.7 E 7 FID sklopka	za ugradnju u stansku razvodnu tablu, montažu na DIN šinu				
10.7.1 A	16A/30mA, 2-polna, 230V, 50Hz;	16A/30mA, 2-pole, 230V, 50Hz;			
10.7.2 B	25A/0,5A, 4-polna, 230V/400V, 50Hz;	25A / 0,5 A, 4-pole, 230V/400V, 50Hz;			
10.8 E 8 Instalaciono zvono	230V, 50Hz; za ugradnju u stansku razvodnu tablu, montažu na DIN šinu				
Instalacioni materijal			Installation material		
10.9 E 9 Instalaciona kutija	za ugradnju u završnu obradu zida				
10.9.1 A	fi 60 mm	fi 60 mm			
10.9.2 B	fi 78 mm	fi 78 mm			
10.9.3 C	100x100mm	100x100mm			
10.10 E 10 Instalaciona priključnica	IP20 za ugradnju u završnu obradu zida sa zaštitnim kontaktom				
10.10.1 A	16A, monofazna, 250 V	16A, single-phase, 250 V			
10.10.2 B	16A, monofazna, dupla, 250 V	16A, single-phase, double, 250 V			
10.10.3 C	16A, trofazna, 400V	16A, three-phase, 400V			
10.11 E 11 Instalaciona priključnica	IP43 sa poklopcom za ugradnju u završnu obradu zida, sa zaštit. kontaktom, 16A, monofazna, 250 V				
10.12 E 12 Prekidači	IP20 za ugradnju u završnu obradu zida				
10.12.1 A	običan, 10A	regular, 10A			
10.12.2 B	serijski, 10A	serial, 10A			
10.12.3 C	za zvono	for bell			
10.12.4 D	Instalacioni prekidač "KIP" 16A	Installation switch "KIP" 16A			

KOD/ CODE		Opis građevinskog materijala	Description of building materials
10.13	E 13	Indikator za kupatilo sa tri sklopke 16A i signalnim sijalicama	The indicator for the bathroom Three switches 16A and signal lights
		Svetiljke	Lighting
10.14	E 14	Svetiljka za montažu na plafon sa inkadescentnom sijalicom 60W, E-27,	Luminaire to be mounted on the ceiling with a 60W incandescent bulb, E-27
10.14.1	A	IP 43 za sanitarni čvor	IP 43 for toilet
10.14.2	B	IP 20 za unutrašnje prostorije	IP 20 for indoor rooms
	E	Instalacija uzemljenja i gromobrana	Earthing and lightning protection
10.15	E 15	Pocinkovana traka	Galvanized strip
10.15.1	A	FeZn 25x4mm	FeZn 25x4mm
10.15.2	B	FeZn 20x3mm	FeZn 20x3mm
10.16	E 16	SIP ormarić (PS49) sa sabirnicom za izjednačenje potencijala	SIP boxes (PS 49) with bonding
10.17	E 17	Provodnici za uzemljenje	Grounding conductors
10.17.1	A	PP00-Y 1x16mm2	PP00-Y 1x16mm2
10.17.2	B	P/F-Y 1x6mm2	P/F-Y 1x6mm2
10.17.3	C	P/F-Y 1x4mm2	P/F-Y 1x4mm2
	E F	Instalacija slabe struje	Installation of low voltage
10.18	E 18	Antenski koaksijalni kabl RG 6	Antenna Coaxial Cable RG 6
10.19	E 19	Telefonski kabl sa bakarnim provodnicima IY(St)Y 2x2x0.8mm	Telephone cable with copper conductors IY (St) Y 2x2x0.8mm
10.20	E 20	Priklučnice	Connectors
10.20.1	A	Telefonska - RJ11 za montažu u dozni fi 60mm	Phone - RJ11 for mounting in enclosure fi 60mm
10.20.2	B	RTV priključnica za montažu u dozni fi 60mm	RTV connector for mounting in enclosure fi 60 mm

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Osnovne karakteristike materijala
1	A	OSNOVNI GRAĐEVINSKI MATERIJAL	BASIC BUILDING MATERIALS	
1.1	O 1	Cement za betone do MB 30	Cement for concrete up to 30 MB	CEM II/ B-M (PC 35M) 32,5 R
1.2	O 2	Hidratisani gašeni kreč pripremljen u prahu	Hydrated slaked lime powdered	Gotovo praškasto mineralno vezivo
1.3	O 3	Rebrasto betonsko gvožđe (RA)	Ribbed reinforcement steel	B500B
1.3.1	A	10 mm - dužine 12m	10 mm - length 12m	/
1.3.2	B	12 mm - dužine 12m	12 mm - length 12m	/
1.3.3	C	14 mm - dužine 12m	14 mm - length 12m	/
1.3.4	D	16 mm - dužine 12m	16 mm - length 12m	/
1.4	O 4	Glatko betonsko gvožđe (GA)	Glibly reinforcement steel	/
1.4.1	B	8 mm - dužine 12m	8 mm - length 12m	/
1.4.2	C	10 mm - dužine 12m	10 mm - length 12m	/
1.5	O 5	Armaturalna betonska mreža dim. (dxš) 6000 x 2150 = 12,9 m2/kom	Reinforcement mesh dim. (lxw) 6000 x 2150 = 12,9 m2/pcs	/
1.5.1	A	Q84 /4x4/150x150/	Q84 /4x4/150x150/	/
1.5.2	B	Q131 /5x5/150x150/	Q131 /5x5/150x150/	/
1.5.3	C	Q188 /6x6/150x150/	Q188 /6x6/150x150/	/
1.5.4	D	Q283 /6x6/100x100/	Q283 /6x6/100x100/	/
1.5.5	E	Q335 /8x8/150x150/	Q335 /8x8/150x150/	/
2	Z	MATERIJAL ZA ZIDANJE, MALTERISANJE, GLETOVANJE I FARBANJE	MASONRY, PLASTERING FAIRING AND PAINTING MATERIAL	
2.1	Z 1	Giter blok (d/š/v) 250x190x190 mm	Gitter block (l/w/h) 250x190x190 mm	vertikalna pritisna čvrstoća: ≥ 100 daN/cm ² I klasa, maka ≥ 100
2.2	Z 2	Giter polublok (12cm) (d/š/v) 250x120x190mm	Gitter half block (12cm) (l/w/h) 250x120x190mm	I klasa
2.3	Z 3	Opeka puna (d/š/v) 250x120x65 mm	Brick (full-without holes) (l/w/h) 250x120x65 mm	vertikalna pritisna čvrstoća: ≥ 200 daN/cm ² I klasa, maka ≥ 200
2.4	Z 4	Blok od porobetona za pregradni zid (d/š/v) 625x200x200 mm	Aerated concrete block for partition wall (l/w/h) 625x200x200 mm	vertikalna pritisna čvrstoća: $\geq 2,5$ N/mm ² zapreminska masa: 0,40 - 0,50 t/m ³
2.5	Z 5	Fert nosači (gredice) Dužina nosača je jednak dužini binora = širina otvora između zidova + 30 cm. Broj gredica = dužina prostorije x 0,40	Fert beams Boom length is equal to the length of Binor = width of the openings between the walls + 30 cm. Number of beams = length of room x 0,40	Formiraju se od fert kanalica dimenzija 245x115x40 mm u koje se betonom pričvršćuje prostorni trougaoni rešetkasti armaturalni nosač (binor) minimalne visine 12cm i dodatna armatura za ojačanje.
2.5.1	A	0,00-3,90 m	0,00-3,90 m	/
2.5.2	B	3,91-4,50 m	3,91-4,50 m	/
2.5.3	C	4,51-4,90 m	4,51-4,90 m	/
2.5.4	D	4,91-5,30 m	4,91-5,30 m	/
2.5.5	E	5,31-5,90 m	5,31-5,90 m	/
2.5.6	F	5,91-6,30 m	5,91-6,30 m	/
2.6	Z 6	Fert ispuna (d/š/v) 245x285/275x160 mm	Fert fillings (l/w/h) 245x285/275x160 mm	nosivost: $\geq 3kN$ (za blok dužine 245 mm) I klasa
2.7	Z 7	Malter za zidanje Pripremljeno krečno - cementno vezivo	Mortar for masonry Prepared lime - cement binder	klasa maltera: M5 granulacija praškastog veziva: 0-3 mm
2.8	Z 8	Malter za malterisanje Pripremljeno krečno - cementno vezivo	Mortar for plastering Prepared lime - cement binder	klasa maltera: GP CSII W0 granulacija praškastog veziva: 0-1,5 mm
2.9	Z 9	Krečna glet masa Bezcementna krečna masa za gletovanje	Lime smoothing mass No cement lime compound for smoothing	klasa: GP CSI granulacija: 0 - 0,1mm debljina nanosa: 1 - 5 mm

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Osnovne karakteristike materijala
2.10	Z 10	Poludisperzivna boja Poludisperziona boja razrediva vodom	Semi dispersion paint	boja : bela izrađena od kvalitetnih sintetičkih disperzivnih veziva, odabranih pigmenata, punila i aditiva.

3	K	MATERIJAL ZA KROVNU KONSTRUKCIJU, KROVNI POKRIVAČ, OSB I GIPS KARONSKE TABLE	ROOF CONSTRUCTION AND ROOFING MATERIAL, OSB AND PLASTERBOARD TABLE	
3.1	K 1	Presovani glineni crep I klase dimenzija: 400-450x245-275 mm	Pressed clay tiles class 1 dim: 400-450x245-275 mm	dimenzija: 400-450x245-275 mm otpornost na mraz: otporan boje: natur (prirodna) minimalna garancija proizvoda 30 godina
3.2	K 3	Biber crep I klase dimenzija: 180-200x380-400 mm	Biber clay tiles class 1 dim. 180-200x380-400 mm	otpornost na mraz: otporan boje: natur (prirodna) minimalna garancija proizvoda 30 godina
3.3	K 2	Slemeni crep I klase (žlebjnjak)	Ridge clay tiles class 1	otpornost na mraz: otporani boje: natur (prirodna) minimalna garancija proizvoda 30 godina
3.4	K 4	Paropropusna i vodonepropusna krovna folija kontrola vodene pare iznad termoizolacije	Vapour permeable and waterproof roof sheeting control of water vapor above the insulation	vodonepropustljivost: W1 sposobnost difuzije v.p. (Sd) ≤ 0,05 m gorivost: klasa E
3.5	K 5	Staklena mineralna vuna termoizolacija potkrovla između rogova	Glass Mineral Wool loft insulation between the rafters	koef. topl. provodljivosti (λ) ≤ 0,040 W/mK negoriv materijal - klasa A1
3.5.1	A	debljina d=10 cm	thickness d=10 cm	/
3.5.2	B	debljina d=12 cm	thickness d=12 cm	/
3.5.3	C	debljina d=14 cm	thickness d=14 cm	/
3.6	K 6	Parna brana kontrola vodene pare ispod termoizolacije	Vapor barrier control of water vapor below the insulation	debljina membrane : ≥ 0,15 mm sposobnost difuzije v.p. (Sd) ≥ 35 m, gorivost: klasa F
3.7	K 7	Čamova rezana građa različitog preseka dužine 400 cm	Fir lumber of different cross-section length 400 cm	II klase, vlažnosti: ≤ 14%
3.7.1	A	Rog/Venčanica/Raspinjača 10/12 cm	rafters / wall plate / ridge collar 10/12 cm	dužine 4m
3.7.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	column / pile / hip rafter / ridge 12/14 cm	dužine 4m
3.7.3	C	Stub/Grebenjača 14/14 cm	column / hip rafter 14/14 cm	dužine 4m
3.7.4	H	Tavanjače 18/26 cm	attic beams 18/26 cm	dužine 4m
3.8	K 8	Čamova rezana građa različitog preseka dužine 600 cm	Fir lumber of different cross-section length 600 cm	II klase, vlažnosti: ≤ 14%
3.8.1	A	Rog/Venčanica/Raspinjača 10/12 cm	rafters / wall plate / ridge collar 10/12 cm	dužine 6m
3.8.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	column / pile / hip rafter / ridge 12/14 cm	dužine 6m
3.8.3	C	Stub/Grebenjača 14/14 cm	column / hip rafter 14/14 cm	dužine 6m
3.8.4	D	Rožnjača 14/16 cm	Purlin 14/16 cm	dužine 6m
3.8.5	E	Kosnik/Pajanta 10/10 cm	Strut 10/10 cm	dužine 6m
3.8.6	F	Klešta 6/12 cm	Collar tie 6/12 cm	dužine 6m
3.8.7	G	Krovna štafla 5/8 cm	Roof battens 5/8 cm	dužine 6m
3.8.8	H	Tavanjače 18/26 cm	attic beams 18/26 cm	dužine 6m
3.9	K 9	Građevinska daska - fosna 4,8/25/400 cm	Fir board 4,8/25/400 cm	II klase, vlažnosti: ≤ 14% dužine 4m
3.10	K 10	Krovna daska od čamove rezane građe 2,4-2,5/15 cm, isporučuje se dužine l=3,0 metra	Roof fir board 2,4-2,5/15 cm, lenght l=3,0 m	II klase, vlažnosti: ≤ 14%
3.11	K 11	Krovna letva od čamove rezane građe 3 / 5 cm , isporučuje se dužine l=3,0 metra	Fir batten 3 / 5 cm , lenght l=3,0 m	II klase, vlažnosti: ≤ 14%
3.12	K 12	OSB3 vlagootporne konstruktivne ploče d=18 mm / dim. 2440 x 1220	OSB3 moisture resistant structural panels d=18 mm / dim. 2440 x 1220	debljina ploče d = 18 mm tip ploča: OSB 3 /brušeni /ravne ivice sadržaj formaldehida: E1
3.13	K 13	Standardne gips kartonske ploče - Tip A dimenzije: 1200-1250 x 2000 mm	Standard plasterboard table - Type A dim: 1200-1250 x 2000 mm	Tip: A - sa poluzaobljenom konusnom ivic. debljina ploče: 12,5 mm dimenzije: 1200-1250 x 2000 mm

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Osnovne karakteristike materijala
3.14	K 14	Vlagootporne gips kartonske ploče - Tip H2 dimenzije: 1200-1250 x 2000 mm	Moisture resistant Plasterboard - Type H2 dim: 1200-1250 x 2000 mm	Tip: H2 - sa poluzaobljenom konusnom ivic. debljina ploče: 12,5 mm dimenzije: 1200-1250 x 2000 mm
3.15	K 15	Čelični pocinkovani i farbani olučni elementi prečnika: Ø 100 mm dužine 600 cm	Galvanized steel and painted gutter elements diameter: Ø 100 mm length 600 cm	debljina lima: 0,5 mm. zaštitni premaz (poliesterksa boja): ≥ 20µ boja: RAL 3009 - oksid crvena
3.15.1	A	Horizontalni polukružni element+ prateći paket uz svaki komad elementa. Sadržaj paketa pratećih elemenata horizontalnog oluka. Jedan paket sadrži: čelo (forkop) - 1 komad, kuka preseka 3-5/20-50mm- 10 komada. Čelični pocinkovani elementi farbani u boji oluka.	Horizontal semicircular element + accompanying package with each piece of element. Content of the accompanying elements of the horizontal gutter. One package contains: forehead (forkop) - 1 piece, hook cross section 3-5 / 20-50mm- 10 pieces. Steel galvanized elements color gowns.	/
3.15.2	B	Vertikalni kružni oluk + prateći paket uz svaki komad elementa Sadržaj paketa pratećih elemenata vertikalnog oluka. Jedan paket sadrži: kotlič- 1 komad, koleno 72°-3 komada, obujmica (šelna)-4 komada. Čelični pocinkovani elementi farbani u boji oluka.	Vertical circular gutter + accompanying package with each piece of element Package contents of the accompanying elements of the vertical gutter. One package contains: kettle- 1 piece, knee 72 ° -3 pieces, clamp (heel) -4 pieces. Steel galvanized elements color gowns.	/

4	P	MATERIJAL ZA PODOVE, LAMINAT, PLOČICE I XPS	FLOORING, LAMINATE, TILES AND XPS	
4.1	P 1	Unutrašnje podne keramičke pločice Min. dimenzije pločica: 200x300 mm	Floor tiles for inside Min. tile size: 200x300 mm	grupa: B (suvo presovane pločice) upijanje : Ia ($E \leq 0.5\%$) ili Ib ($0.5 < E \leq 0.5\%$) otpornost na habanje: min. PEI 3 otpor. prema mrazu: ne zahteva se
4.2	P 2	Unutrašnje zidne keramičke pločice Min. dimenzije pločica: 200x300 mm	Wall tiles for inside Min. tile size: 200x300 mm	grupa: B (suvo presovane pločice) upijanje : III ($E > 10\%$) otpor. prema mrazu : ne zahteva se
4.3	P 3	Lepak za keramičke pločice Fleksibilni, polimer-cementni lepak	Glue for ceramic tiles Flexible, polymer-cement glue	klasa: C1 ili C2
4.4	P 4	Fleksibilna masa za fugovanje Vodooodbojna fug masa na bazi cementa	Flexible mass for grouting Waterproof grout cement based	klasa: CG2 WA boja : siva
4.5	P 5	Laminat - jakopresovani (HLP) sa klik sistemom, dezen: hrast natur (prirodni)	Laminate (HLP) with click system, design: oak natural (natural)	debljine: $\geq 8\text{mm}$, dimenzije: (dxš) 1100-1400 x 100-400 mm tvrdoča: min. 22
4.6	P 6	Lajsne za laminat od medijapanu materijal: medijapan / MDF	Moldings for laminate MDF Material: MDF / MDF	(v/š/d): 20-30 x 35-40 x 2500-2800 mm. obložene: melaminskom folijom ili farbane
4.7	P 7	Podloga za laminat od polietilenske pene Sunderasta podloga za laminat	The base for laminate of polyethylene foam Foam base for laminate	debljina : $\geq 2\text{ mm}$ maksimalno opterećenje: $\leq 1\text{ t/m}^2$
4.8	P 8	Cementni suvi estrih (cementna košuljica). Pripremljeno cementno praškasto vezivo	Cement dry screed (cement screed) Prepared cement powder binder	klasa estriha: CT C20-F4 (ili F5) granulacija praškasog veziva: 0-4 mm
4.9	P 9	Građevinska PVC folija Za razdvajanje cementne košuljice od termo izolacije.	PVC foil for construction. To separate the cement screed of thermal insulation.	rolna/širina: $\geq 4\text{ m}$ rolna/dužina: $\geq 10\text{ m}$ debljina PVC folije: $\geq 0,15\text{ mm}$ polietilen niske gustine (LDPE folije) namena: u građevinarstvu - prozirne boje

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Osnovne karakteristike materijala
4.10	P 10	Stirodur (XPS za izolaciju na podovima) ploča od ekstrudirane polistirenske pene	Stirodur (XPS insulation for floors) panel of extruded polystyrene foam	XPS kategorija III, podkategorija C minimalna sirova gustina: 30 kg/m ³ koef. topl. provodljivosti (λ) \leq 0,035 W/mK klasa gorivosti B1 pritisna čvrstoća: \geq 30 t/m ²
4.10.1	A	debljine d=2 cm	d=2 cm	/
4.10.2	B	debljine d=5 cm	d=5 cm	/

5	F	MATERIJAL ZA IZRADU FASADE	FACADE MATERIAL	
5.1	F 1	EPS za termoizolaciju fasadnih zidova ploča od ekspandiranog polistirena	Thermal insulation for facade walls (EPS) plates made of expanded polystyrene	EPS 70 kategorija I, podkategorija A koef. topl. provodljivosti (λ) \leq 0,040 W/mK klasa gorivosti B1
5.1.1	A	debljina d=8 cm	d=8 cm	/
5.1.2	B	debljina d=10 cm	d=10 cm	/
5.1.3	C	debljina d=12 cm	d=12 cm	/
5.1.4	D	debljina d=14 cm	d=14 cm	/
5.2	F 2	Građevinski lepak za EPS ploče cementni lepak namenjen za lepljenje ploča od ekspandiranog polistirena (EPS) i armiranje armaturne (rabic) mrežice	Construction glue for EPS plates cement adhesive for gluing plates made of expanded polystyrene (EPS) and reinforcing wire (rabic) net	gustina očvrslog maltera \geq 1400 g/dm ³ pritisna čvrstoća nakon 28 dana \geq 6 MPa koeficijent difuznog otpora- μ \geq 20 prionljivost na podlogu od betona \geq 250 kPa prionljivost na podlogu od EPSSa \geq 80 kPa
5.3	F 3	Armaturna (rabic) staklena mrežica. Visokokvalitetna alkalno postojana staklena mrežica	Reinforcing (rabic) fiberglass mesh High quality alkali resistant fiberglass mesh	širina rolne max. 100 cm dužina rolne max. 5000 cm širina otvora (okaca) max. 5x5 mm površinska masa > 120 g/m ²
5.4	F 4	Aktivni predpremaz pre nanošenja tankslojnog fasadnog maltera. predpremaz za izjednačavanje upijanja - podloga	Active primer before applying the thin-layer plaster primer for the equalization of absorption surface	Podloga bele boje za tankslojni završni akrilni malter sastavljen od: alkalno vezivno sredstvo, mineralna punila, klasiran kvarcni pesak i pigmenti.
5.5	F 5	Fasadni tankslojni akrilni malter Završni malter u pastoznom stanju, namenjen za zaštitu fasadnih zidnih površina	Facade thin-layer acrylic plaster Finishing plaster in paste-like state, intended for the protection of facade wall surfaces	sposobnost difuzije v.p. : klasa V2 - srednja prionljivost na podlogu \geq 0,3 MPa; granulacija: 2 mm struktura: puna zrnasta (ful) struktura
5.5.1	A	boja približna RAL 1034 -kajsija	color similar to RAL 1034-apricot	/
5.5.2	B	boja približna RAL 6005 -pastelno zelena	color similar to RAL 6005 pastel-green	/
5.5.3	C	boja približna RAL 5023 -pastelno plava	color similar to RAL 5023 pastel-blue	/
5.5.4	D	boja približna RAL 3011 -pastelno crvena	color similar to RAL 3011 pastel-red	/
5.5.5	E	boja približna RAL 8002 -braon	color similar to RAL 8002 brown	/

6	H	MATERIJAL ZA HIDRO IZOLACIJE	WATERPROOFING MATERIAL	
6.1	H 1	Bitulit (prethodni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	Bitulit (previous coating for waterproofing) It is used as delivered (cold process) without heating	sadržaj bitumena: \geq 30 % sadržaj rastvarača: \leq 70 % tačka razmekšanja bitumena: \geq 55 °C otpor.prema tečenju na poviš. temp. \geq 70 °C
6.2	H 2	Poliazbitol (hladni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	POLYASBITOL (cold coating for waterproofing) It is used as delivered (cold process) without heating	sadržaj veziva-elastomer bitumena: \geq 40 % sadržaj punila < 40 % tačka razmekšanja bitumena: \geq 120 °C vodonepropustljivost: nepropustljiv

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Osnovne karakteristike materijala
6.3	H 3	Ter papir Bitumenska hidroizolaciona traka.	Ter paper Bituminous waterproofing tape.	vodonepropustljivost: klasa W1 sposobnost difuzije v.p. (Sd) ≤ 50 m gorivost: klasa E
6.4	H 4	Kondor V-3 (hidroizolaciona traka) Plastomer-bitumenska traka, uložak stakleni voal, debljina: ≥ 3 mm	Condor V-3 (waterproof tape) Plastomer-bituminous tape, glass mat, thickness: ≥ 3 mm	tip hidroizolacione trake: T vodonepropustljivost: ≥ 60 kPa gorivost: klasa E

7	S	STOLARIJA	DOORS AND WINDOWS	
7.1	S 1	Ulazna vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	Entrance door of PVC (set position) Profile color: white RAL 9003 Number of chambers: ≥ 5 chambers width x height (masonry measures)	oprema: špijunka, brava, eloksirana ručica, dva dihtunga na području praga i sav potreban okov potvrda: da profili ne sadrže olovo i kadijum potvrda: da su profili od novog materijala okovi: potreban atest Maksimalni dozvoljeni koeficijent prolaska topote za ulazna vrata Umax.=1,60 W/(m2K).
7.1.1	A	JK 90x210 cm - Leva 90 cm	one wing 90x210 cm - Left 90 cm	levo otvaranje (90cm - jedno krilo)
7.1.2	B	JK 90x210 cm - Desna 90 cm	one wing 90x210 cm - Right 90 cm	desno otvaranje (90cm - jedno krilo)
7.1.3	C	DK 120x210 cm - Leva 90+30 cm	two wings 120x210 cm - Left 90+30 cm	levo otvaranje (90+30cm-dva krila)
7.1.4	D	DK 120x210 cm - Desna 90+30 cm	two wings 120x210 cm - Right 90+30 cm	desno otvaranje (90+30cm-dva krila)
	E	JK 90x200 cm - Leva 90 cm	JK 90x200 cm - Left 90 cm	levo otvaranje (90cm - jedno krilo)
	F	JK 90x200 cm - Desna 90 cm	JK 90x200 cm - Right 90 cm	desno otvaranje (90+30cm-dva krila)
	G	DK 120x200 cm - Leva 90+30 cm	DK 120x200 cm -Left 90+30 cm	levo otvaranje (90cm - jedno krilo)
	H	DK 120x200 cm - Desna 90+30 cm	DK 120x200 cm - Right 90+30 cm	desno otvaranje (90+30cm-dva krila)
7.2	S 2	Prozori od PVC-a (komplet pozicija). Vertikalno i horizontalno otvaranje, boja profila: bela RAL 9003, broj komora: ≥ 5 komora širina x visina (zidarske mere)	Windows made of PVC (set position) Vertical and horizontal opening, color profile: white RAL 9003, the number of chambers: ≥ 5 chambers width x height (masonry measures)	oprema: eloksirana ručica i sav potreban okov potvrda: da profili ne sadrže olovo i kadijum potvrda: da su profili od novog materijala okovi: potreban atest Maksimalni dozvoljeni koeficijent prolaska topote za prozor Umax.=1,50 W/(m2K).
7.2.1	A	JK 60x60 cm	one wing 60x60 cm	vertikalno i horizontalno otvaranje
7.2.2	B	JK 80x80 cm	one wing 80x80 cm	vertikalno i horizontalno otvaranje
7.2.3	C	JK 80x120 cm	one wing 80x120 cm	vertikalno i horizontalno otvaranje
7.2.4	D	JK 80x140 cm	one wing 80x140 cm	vertikalno i horizontalno otvaranje
7.2.5	E	JK 100x120 cm	one wing 100x120 cm	vertikalno i horizontalno otvaranje
7.2.6	F	JK 100x140 cm	one wing 100x140 cm	vertikalno i horizontalno otvaranje
7.2.7	G	DK 120x120 cm	two wings 120x120 cm	vertikalno i horizontalno otvaranje
7.2.8	H	DK 120x140 cm	two wings 120x140 cm	vertikalno i horizontalno otvaranje
7.2.9	I	DK 140x120 cm	two wings 140x120 cm	vertikalno i horizontalno otvaranje
7.2.10	J	DK 140x140 cm	two wings 140x140 cm	vertikalno i horizontalno otvaranje
7.2.11	K	DK 160x120 cm	two wings 160x120 cm	vertikalno i horizontalno otvaranje
7.2.12	L	DK 160x140 cm	two wings 160x140 cm	vertikalno i horizontalno otvaranje

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Osnovne karakteristike materijala
7.3	S 3	Krovni prozor sa aluminijumskom opšivkom od laminirane i impregnirane čamove građe	Roof window with aluminum flashings of laminated and impregnated fir timber	sadrži: opšivku za talasaste pokrivače sa termo i hidroizolacionim setom i drenažnim kanalom način otvaranja: središnje vešanje krila sa gornjom ručkom. unutrašnja roletna: sa potpunim zamraćenjem na ručno upravljanje standardne boje Maksimalni dozvoljeni koeficijent prolaska topote za prozor Umax.=1,50 W/(m2K).
7.3.1	A	dimenzije 66 x 118 (širina x visina)	66 x 118 (width x height)	/
7.3.2	B	dimenzije 78 x 98 (širina x visina)	78 x 98 (width x height)	/
7.3.3	C	dimenzije 78 x 118 (širina x visina)	78 x 118 (width x height)	/
7.4	S 4	Balkonska vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	Balcony doors from PVC (set position) Profile color: white RAL 9003 Number of chambers: ≥ 5 chambers width x height (masonry measures)	oprema: eloksirana ručica i sav potreban okov potvrda: da profili ne sadrže olovo i kadijum potvrda: da su profili od novog materijala okovi: potreban atest Maksimalni dozvoljeni koeficijent prolaska topote za cela balkonska vrata Umax.=1,50 W/(m2K).
7.4.1	A	JK 90x210 cm - Leva		levo otvaranje
7.4.2	B	JK 90x210 cm - Desna		desno otvaranje
7.4.3	C	DK 140x210 cm		dvokrilna vrata
	D	JK 90x200 cm - Leva		levo otvaranje
	F	JK 90x200 cm - Desna		desno otvaranje
	G	DK 140x200 cm		dvokrilna vrata
7.5	S 5	Unutrašnja vrata sa ispunom od kartonskog sača (komplet pozicija). širina x visina (spoljna mera futera)	Internal doors filled with cardboard honeycomb (set position) width x height (external measures footer)	Dovratnik (štok ili futer), minimalne debljine 35 mm izrađen od MDFA ili u kombinaciji MDF-drvo-MDF (trodeleni). Obložen malaminskom folijom ili farban bele boje. Isporučuje se ugerovani. Pervajz lajsna, minimalne širine 70 mm, L oblika, izrađena od MDFA. Ugerovana i učvršćuje se sa ekscentrima čime omogućava dodatno obostrano podešavanje, sa prednje strane min. + 20 mm, sa zadnje strane min. + 10 mm. Obložena malaminskom folijom, bele boje.
7.5.1	A	70x205 cm - Leva (dubina štoka 0-16 cm)	70x205 cm - Left (depth door 0-16 cm)	levo otvaranje (dubina štoka 0-16 cm)
7.5.2	B	70x205 cm - Leva (dubina štoka 16-30 cm)	70x205 cm - Left (depth door 16-30 cm)	levo otvaranje (dubina štoka 16-30 cm)
7.5.3	C	70x205 cm - Desna (dubina štoka 0-16 cm)	70x205 cm - Right (depth door 0-16 cm)	desno otvaranje (dubina štoka 0-16 cm)
7.5.4	D	70x205 cm - Desna (dubina štoka 16-30 cm)	70x205 cm - Right (depth door 16-30 cm)	desno otvaranje (dubina štoka 16-30 cm)
7.5.5	E	80x205 cm - Leva (dubina štoka 0-16 cm)	80x205 cm - Left (depth door 0-16 cm)	levo otvaranje (dubina štoka 0-16 cm)
7.5.6	F	80x205 cm - Leva (dubina štoka 16-30 cm)	80x205 cm - Left (depth door 16-30 cm)	levo otvaranje (dubina štoka 0-16 cm)
7.5.7	G	80x205 cm - Desna (dubina štoka 0-16 cm)	80x205 cm - Right (depth door 0-16 cm)	desno otvaranje (dubina štoka 0-16 cm)
7.5.8	H	80x205 cm - Desna (dubina štoka 16-30 cm)	80x205 cm - Right (depth door 16-30 cm)	desno otvaranje (dubina štoka 16-30 cm)
7.5.9	I	90x205 cm - Leva (dubina štoka 0-16 cm)	90x205 cm - Left (depth door 0-16 cm)	levo otvaranje (dubina štoka 0-16 cm)

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Osnovne karakteristike materijala
7.5.10	J	90x205 cm - Leva (dubina štoka 16-30 cm)	90x205 cm - Left (depth door 16-30 cm)	levo otvaranje (dubina štoka 16-30 cm)
7.5.11	K	90x205 cm - Desna (dubina štoka 0-16 cm)	90x205 cm - Right (depth door 0-16 cm)	desno otvaranje (dubina štoka 0-16 cm)
7.5.12	L	90x205 cm - Desna (dubina štoka 16-30 cm)	90x205 cm - Right (depth door 16-30 cm)	desno otvaranje (dubina štoka 16-30cm)

8	D	OSTALA OPREMA I MATERIJAL	OTHER EQUIPMENT AND SUPPLIES	
8.1	D 1	Jednostruki dimnjak prečnika Φ 140 mm. Trošlojni montažni dimnjački sistem namenjen za sva ložišta i sve vrste goriva, bez ventilacije. Sastavljen je od: dimnjačke cevi od tehničke keramike, izolacije oko cevi dimnjaka od kamene vune minimalne specifične težine 80kg/m ³ , spoljnog dimnjačkog plašta od lakog betona, vatrostalnog lepka u kartušama, vatrootpornih i gasnonepropusnih atestiranih trošlojnih vratanača, kondenz posude, priključaka za reviziju i ložišta, krovne ploče od staklo betona, nosača tervola i tvrdih tervol ploča za priključke, ventilacione rešetke, dilatacione rozete od nerđajućeg čelika. Spoljna dimenzija dimnjačkog plašta za fi14cm=32x32cm.	A single chimney diameter 140 mm. Three-layer prefabricated chimney system designed for all furnaces and all types of fuel, with no ventilation. It is composed of: chimney pipe of technical ceramics, pipe insulation around the chimney of stone wool minimum specific weight of 80kg/m ³ , external chimney mantle of lightweight concrete, refractory adhesive in cartouches, fireproof and gas impermeable certified three-layer side door, condensate pots, connectors for the audit and furnaces, roof tiles of glass concrete girders Tervola and hard tervol plate connections, ventilation grilles, rosettes expansion of stainless steel. The external dimensions of the chimney sleeve fi14cm = 32x32cm.	Spoljna dimenzija dimnjačkog plašta za fi14cm=32x32cm. toplotna otpornost: R65 razred požarne otpornosti: F90

9	V	Vodovod Kanalizacija Oprema	WATER SUPPLY AND SEWAGE	
		Vodovod	WATER SUPPLY	
9.1	V 1	Vodovodne polietilenske cevi PE 100 PN16 za radni pritisak 16 bara (SDR 11)	Water supply polyethylene pipe PE 100 PN16 the working pressure of 16 bar (SDR 11)	materijal: polietilen visoke gustine PE 100
9.1.1	A	d25 (s min. 2,3) - 3/4"	d25 (s min. 2,3) - 3/4"	/
9.1.2	B	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	/
9.1.3	C	d40 (s min. 3,7) - 5/4"	d40 (s min. 3,7) - 5/4"	/
9.2	V 2	Vodovodne cevi PP-R 80 PN20 za radni pritisak 20 bara, bele ili zelene boje (materijal: polipropilen-random kapolimer)	Water pipe PP-R 80 PN20 the working pressure of 20 bar, white or green (material: polypropylene random kapolimer)	gustina materijala 0.85-0.95 g/cm ³ čvrst. na granici razvlač. (23°C) > 20 MPa izduženje pri kidanju (23°C) > 8% tvrdoca 60-70 tvrdoca sa kuglom 40-50 N/mm ² temperatura topljenja 145-150 °C
9.2.1	B	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	/
9.2.2	C	d25 (s min. 4,2) - 3/4"	d25 (s min. 4,2) - 3/4"	/
9.2.3	D	d32 (s min. 5,4) - 1"	d32 (s min. 5,4) - 1"	/
9.3	V 3	Vodomer sa prirubnicama, holenderima i pripadajućom opremom za montažu, za pritisak do 16 bara	water gauge flanges, unions and associated equipment for assembly, for pressure up to 16 bar	za hladnu vodu, jednomla. ili višemlažni sa mokrim ili suvim mehanizmom razred tačnosti B
9.3.1	A	horizontalni 3/4"	Horizontal 3/4"	/
9.3.2	B	horizontalni 1"	Horizontal 1"	/
9.3.3	C	horizontalni 5/4"	Horizontal 5/4"	/
9.4	V 4	Ravni propusni ventil sa ogrankom za pražnjenje	Skip straight valve with a branch drain	
9.4.1	A	d25 (s min. 2,3) - 3/4"	d25 (s min. 2,3) - 3/4"	/
9.4.2	B	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	/
9.5	V 5	Propusni ventil za uzidanje sa kapom	Gate valve for the wall with cap	
9.5.1	A	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	/
9.5.2	B	d25 (s min. 4,2) - 3/4"	d25 (s min. 4,2) - 3/4"	/
9.5.3	C	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	/
9.6	V 6	Ugaoni "EK" sa kapom	Angle valve "EK" with cap	
9.6.1	A	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	/
9.7	V 7	Termička izolacija vodovodnih cevi -tipa plamaflex ISO ili sl.	Thermal insulation of water pipes-type PLAMAFLEX ISO etc..	
9.7.1	B	d20 (22/9) - 1/2"	d20 (22/9) - 1/2"	/
9.7.2	C	d25 (25/9) - 3/4"	d25 (25/9) - 3/4"	/
9.7.3	D	d32 (35/9) - 1"	d32 (35/9) - 1"	/
		Kanalizacija	SEWAGE	

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Osnovne karakteristike materijala
9.8	V 8	PVC kanalizacione cevi SDR 41 / SN4 / PN5 za spoljni razvod, kućna i ulična kanalizacija	PVC sewer pipe SDR 41 / CH4 / PN5 for external distribution, household and street sewage	gustina materijala 0.9-1 g/cm ³ prekidna čvrstoća 50-60 Mpa čvrstoća prstena SN 4 KN/m ² spajanje dihtungom u mufu od EPDM-a ili gume cevi su narandžaste boje
9.8.1	A	d110 (s min. 3,2) dužina 6,0m	d110 (s min. 3,2) length 6,0m	/
9.8.2	B	d160 (s min. 4,0) dužina 6,0m	d160 (s min. 4,0) length 6,0m	/
9.9	V 9	Plastične PP cevi SDR 51 / SN2 / PN4 za unutrašnji (kućni) razvod, kućna kanalizacija	Plastic PP pipes SDR 51 / SN2 / PN4 for internal (home) distribution, household sewage	nezapaljive kategorija B1 ili B2 otporne na hemijske agense (pH 2 - 12) radna temperatura do + 95°C čvrstoća prstena SN 2 KN/m ² spajanje dihtungom u mufu od EPDM-a ili gume cevi su svetlo sive boje
9.9.1	A	d50 (s min. 1,8) dužina 3,0m	d50 (s min. 1,8) length 3,0m	/
9.9.2	B	d75 (s min. 1,9) dužina 3,0m	d75 (s min. 1,9) length 3,0m	/
9.9.3	C	d110 (s min. 2,7) dužina 3,0m	d110 (s min. 2,7) length 3,0m	/
9.10	V 10	Plitki PE podni sливник d50 sa horizontalnim odvodom dimenzija 150x150mm	Shallow PE floor drain with horizontal outlet d50 size 150x150mm	sa rešetkom od plemenitog čelika sa sifonom sa sigurnosnim eliminatorom mirisa
9.11	V 11	Zidni sifoni sa odvodnom mesinganom cevi d32 (mašina za pranje veša i sudova)	Wall siphon with drainage brass tubes d32 (washing machines, dishwashers)	
		Oprema u kupatilu	BATHROOM EQUIPMENT	
9.12	V 12	WC šolja od keramike I klase	Ceramic toilet bowl class 1	sa demontažnim sedištem i poklopcom
9.13	V 13	Niskomontažni plastični predzidni vodokotlić za nisku montažu iznad wc šolje sa plovkom i svim potrebnim delovima za funkcionisanje vodokotlića	Low mounting plastic-wall toilet tank for low installation above the toilet bowl float and all the parts required for the operation of flushing	6/9 – litarski vodokotlić izrađen od ABS plastike sa izolacijom protiv rošenja tih i brzo punjenje sa ispirnom cijevi za nisku montažu
9.14	V 14	Umivaonikom sa stubom od keramike I klase	Washbasin with ceramic pillar class 1	min. dimenzija 610x480 mm sa odlivnim ventilom i hromiranim sifonom 5/4" i zavrtnjevima i plastičnim tiplovima za povezivanje sa zidom
9.15	V 15	Pravougaona akrilna tuš kada dimenzija 90x90cm sa odlivnim ventilom	Rectangular acrylic shower size 90x90cm with discharge valve	akril min. debljine 3mm sa ojačanim protivkliznim dnom. Kade se isporučuju sa nagaznim sifonom, metalnom podkonstrukcijom i oplatom.
9.16	V 16	Električni akumulacioni bojler 50l vertikalni grejač 2 kW, napon 230V, kazan izrađen od emajliranog lima, sa pratećim materijalom za ugradnju	Electric storage water heater 50l vertical heater 2 kW, 230V, caldron made of enameled steel, with supporting material for installation	sa termometrom sa signalnom lampicom sa poljnim regulatorom vode sa sigurnosnim ventilom sa vijcima i tiplovima za montažu zaštitna anoda Mg orientacione dimenzije v/š/d: 75/40/45 cm
9.17	V 17	Ogledalo sa etažerom (iznad umivaonika) četvrtasto, min. dimenzija 80x60cm	Mirror with shelf above wash basin square, min. 80x60cm	minimum tri etažera
9.18	V 18	Baterije (slavine) hromirane baterije za hladnu i toplu vodu	Lever chrome lever for cold and hot water	/
9.18.1	A	za umivaonik jednoručna stoeća	For washbasin single lever basin standing	/
9.18.2	B	za tuš kadu (sa tuš ručicom i tuš crevom) jednoručna sa poniklovanim savitljivim crevom	For shower bath (with shower head and shower hose) Single lever with nickel hoses	/
9.18.3	C	za mašinu za veš i sudove, holender slavina DN20/15, s pripadajućom opremom za ugradnju	for washing machine and dishwasher, union DN20/15 taps, and all the equipment for installation	/
		Oprema u kuhinji	KITCHEN EQUIPMENT	
9.19	V 19	Korito sudopere od "Inox "-a (dvodelno) (izrađeno od plemenitog nerđajućeg čelika) orjenacione dimenzije: 780 x 435 x 150 mm	kitchen sink "Inox" two-part (made of stainless steel) approx. dim: 780 x 435 x 150 mm	sa odlivnim ventilom sa čepom i lancem, plastičnim sifonom sa odvodnom cevi 5/4" i gumenom manžetnom za spoj sa zidnom kanalizacionom cevi

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Osnovne karakteristike materijala
9.20	V 20	Električni akumulacioni bojler 5l za ugradnju iznad sudopere, vertikalni grejač 2 kW, napon 230V, kazan izrađen od plastike sa pratećim materijalom za ugradnju	Electric storage water heater 5l Fitting over the sink, vertical heater 2 kW, 230V, caldron made of plastic with the materials for installation	sa termometrom sa signalnom lampicom sa spoljnim regulatorom vode sa sigurnosnim ventilom sa vijcima i tiplovima za montažu orientacione dimenzije v/š/d: 42/22/26 cm
9.21	V 21	Baterija za sudoperu jednoručna stoeća hromirana baterija za hladnu i toplu vodu	Sink-standing single lever chrome mixer for hot and cold water	

10	E	ELEKTRO MATERIJAL I OPREMA	Electrical materials and equipment	
		Kablovi i kablovski pribor	Electrical cables and cable accessories	
10.1	E 1	Napojni kablovi	Power cables	sa bakarnim provodnicima i PVC izolacijom
10.1.1	A	X00-A 4x16 mm ²	X00-A 4x16 mm ²	/
10.1.2	B	PP00-Y 5x6 mm ²	PP00-Y 5x6 mm ²	/
10.1.3	C	PP00-Y 5x10 mm ²	PP00-Y 5x10 mm ²	/
10.2	E 2	Instalacioni kablovi	Installation cables	sa bakarnim provodnicima i PVC izolacijom
10.2.1	A	PP-Y 3x1,5 mm ²	PP-Y 3x1,5 mm ²	/
10.2.2	B	PP-Y 4x1,5 mm ²	PP-Y 4x1,5 mm ²	/
10.2.3	C	PP-Y 3x2,5 mm ²	PP-Y 3x2,5 mm ²	/
10.2.4	D	PP-Y 5x2,5 mm ²	PP-Y 5x2,5 mm ²	/
10.3	E 3	Instalacione PVC cevi	PVC pipe for installations of cables	fleksibilne PVC cevi za polaganje kablova
10.3.1	A	fi 16mm ²	fi 16mm ²	/
10.3.2	B	fi 50mm ²	fi 50mm ²	/
		Razvodne table i oprema	The junction boards and equipment	
10.4	E 4	Razvodna tabla Stanska, za ugradnju na zid sa transparentnim vratima, sa mestom za 18 modula, DIN šinom, IP40 Razvodna tabla sadrži :	Junction board (for flat) for wall mounting with transparent door, with space for 18 modules, DIN rail, IP40 Junction board contains:	/
10.5	E 5	Jednopolni instalacioni prekidač (automatski osigurač) za montažu na DIN šinu nom. napona 230V/400V, 50Hz; karakteristike B; prekidne moći 6kA:	Single-pole fuse (Automatic fuse) for mounting on DIN rail nom. voltage 230V/400V, 50Hz, features B; breaking capacity 6kA:	/
10.5.1	A	nazivne struje 6A	rated current of 6A	/
10.5.2	B	nazivne struje 10A	rated current of 10A	/
10.5.3	C	nazivne struje 16A	rated current of 16A	/
10.6	E 6	Signalna sijalica za signalizaciju tarife 230V za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	The indicator lamp for signaling rates 230V for use in flat junction board, mounting on DIN rail	/
10.7	E 7	FID sklopka za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	FID switch for installation in junction board, mounting on DIN rail	/
10.7.1	A	16A/30mA, 2-polna, 230V, 50Hz;	16A/30mA, 2-pole, 230V, 50Hz;	/
10.7.2	B	25A/0,5A, 4-polna, 230V/400V, 50Hz;	25A / 0,5 A, 4-pole, 230V/400V, 50Hz;	/
10.8	E 8	Instalaciono zvono 230V, 50Hz; za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	Bell 230V, 50Hz, for use in junction board, mounting on DIN rail	/
		Instalacioni materijal	Installation material	
10.9	E 9	Instalaciona kutija za ugradnju u završnu obradu zida	Installation box for installation in the wall	
10.9.1	A	fi 60 mm	fi 60 mm	/
10.9.2	B	fi 78 mm	fi 78 mm	/
10.9.3	C	100x100mm	100x100mm	/
10.10	E 10	Instalaciona priključnica IP20 za ugradnju u završnu obradu zida sa zaštitnim kontaktom	Installation socket IP20 for installation in the wall with a protection contact	
10.10.1	A	16A, monofazna, 250 V	16A, single-phase, 250 V	/
10.10.2	B	16A, monofazna, dupla, 250 V	16A, single-phase, double, 250 V	/
10.10.3	C	16A, trofazna, 400V	16A, three-phase, 400V	/
10.11	E 11	Instalaciona priključnica IP43 sa poklopcom za ugradnju u završnu obradu zida, sa zaštit. kontaktom, 16A, monofazna, 250 V	Installation socket IP43 with cover for use in wall with protection. contact, 16A, single-phase, 250 V	
10.12	E 12	Prekidači IP20 za ugradnju u završnu obradu zida	Switches IP20 for installation in wall	
10.12.1	A	običan, 10A	regular, 10A	/
10.12.2	B	serijski, 10A	serial, 10A	/
10.12.3	C	za zvono	for bell	/
10.12.4	D	Instalacioni prekidač "KIP" 16A	Installation switch "KIP" 16A	/

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Osnovne karakteristike materijala
10.13	E 13	Indikator za kupatilo sa tri sklopke 16A i signalnim sijalicama	The indicator for the bathroom Three switches 16A and signal lights	
		Svetiljke	Lighting	
10.14	E 14	Svetiljka za montažu na plafon sa inkadescentnom sijalicom 60W, E-27,	Luminaire to be mounted on the ceiling with a 60W incandescent bulb, E-27	
10.14.1	A	IP 43 za sanitarni čvor	IP 43 for toilet	/
10.14.2	B	IP 20 za unutrašnje prostorije	IP 20 for indoor rooms	/
	E	Instalacija uzemljenja i gromobrana	Earthing and lightning protection	
10.15	E 15	Pocinkovana traka	Galvanized strip	
10.15.1	A	FeZn 25x4mm	FeZn 25x4mm	/
10.15.2	B	FeZn 20x3mm	FeZn 20x3mm	/
10.16	E 16	SIP ormarić (PS49) sa sabirnicom za izjednačenje potencijala	SIP boxes (PS 49) with bonding	
10.17	E 17	Provodnici za uzemljenje	Grounding conductors	
10.17.1	A	PP00-Y 1x16mm2	PP00-Y 1x16mm2	/
10.17.2	B	P/F-Y 1x6mm2	P/F-Y 1x6mm2	/
10.17.3	C	P/F-Y 1x4mm2	P/F-Y 1x4mm2	/
	E F	Instalacija slabe struje	Installation of low voltage	
10.18	E 18	Antenski koaksijalni kabl RG 6	Antenna Coaxial Cable RG 6	
10.19	E 19	Telefonski kabl sa bakarnim provodnicima IY(St)Y 2x2x0.8mm	Telephone cable with copper conductors IY (St) Y 2x2x0.8mm	
10.20	E 20	Priklučnice	Connectors	
10.20.1	A	Telefonska - RJ11 za montažu u dozni fi 60mm	Phone - RJ11 for mounting in enclosure fi 60mm	/
10.20.2	B	RTV priključnica za montažu u dozni fi 60mm	RTV connector for mounting in enclosure fi 60 mm	/

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Basic characteristics of the material
1	A	OSNOVNI GRAĐEVINSKI MATERIJAL	BASIC BUILDING MATERIALS	
1.1	O 1	Cement za betone do MB 30	Cement for concrete up to 30 MB	CEM II/ B-M (PC 35M) 32,5 R
1.2	O 2	Hidratisani gašeni kreč pripremljen u prahu	Hydrated slaked lime powdered	Prepared powder mineral binders
1.3	O 3	Rebrasto betonsko gvožđe (RA)	Ribbed reinforcement steel	B500B
1.3.1	A	10 mm - dužine 12m	10 mm - length 12m	/
1.3.2	B	12 mm - dužine 12m	12 mm - length 12m	/
1.3.3	C	14 mm - dužine 12m	14 mm - length 12m	/
1.3.4	D	16 mm - dužine 12m	16 mm - length 12m	/
1.4	O 4	Glatko betonsko gvožđe (GA)	Glibly reinforcement steel	/
1.4.1	B	8 mm - dužine 12m	8 mm - length 12m	/
1.4.2	C	10 mm - dužine 12m	10 mm - length 12m	/
1.5	O 5	Armatura betonska mreža dim. (dxš) 6000 x 2150 = 12,9 m2/kom	Reinforcement mesh dim. (lxw) 6000 x 2150 = 12,9 m2/pcs	/
1.5.1	A	Q84 /4x4/150x150/	Q84 /4x4/150x150/	/
1.5.2	B	Q131 /5x5/150x150/	Q131 /5x5/150x150/	/
1.5.3	C	Q188 /6x6/150x150/	Q188 /6x6/150x150/	/
1.5.4	D	Q283 /6x6/100x100/	Q283 /6x6/100x100/	/
1.5.5	E	Q335 /8x8/150x150/	Q335 /8x8/150x150/	/
2	Z	MATERIJAL ZA ZIDANJE, MALTERISANJE, GLETOVANJE I FARBANJE	MASONRY, PLASTERING FAIRING AND PAINTING MATERIAL	
2.1	Z 1	Giter blok (d/š/v) 250x190x190 mm	Gitter block (l/w/h) 250x190x190 mm	vertical compression strength: \geq 100 daN/cm ² Class 1, m \geq 100
2.2	Z 2	Giter polublok (12cm) (d/š/v) 250x120x190mm	Gitter half block (12cm) (l/w/h) 250x120x190mm	Class 1
2.3	Z 3	Opeka puna (d/š/v) 250x120x65 mm	Brick (full-without holes) (l/w/h) 250x120x65 mm	vertical compression strength: \geq 200 daN/cm ² Class 1, m \geq 200
2.4	Z 4	Blok od porobetona za pregradni zid (d/š/v) 625x200x200 mm	Aerated concrete block for partition wall (l/w/h) 625x200x200 mm	a vertical compression strength: \geq 2.5 N/mm ² density: 0.40 to 0.50 t/m ³
2.5	Z 5	Fert nosači (gredice) Dužina nosača je jednak dužini binora = širina otvora između zidova + 30 cm. Broj gredica = dužina prostorije x 0,40	Fert beams Boom length is equal to the length of Binor = width of the openings between the walls + 30 cm. Number of beams = length of room x 0.40	Form of roof channel dimensions 245x115x40 mm with concrete fixed spatial triangular lattice armature bracket (binor) minimum height of 12cm and additional armature for reinforcement.
2.5.1	A	0,00-3,90 m	0,00-3,90 m	/
2.5.2	B	3,91-4,50 m	3,91-4,50 m	/
2.5.3	C	4,51-4,90 m	4,51-4,90 m	/
2.5.4	D	4,91-5,30 m	4,91-5,30 m	/
2.5.5	E	5,31-5,90 m	5,31-5,90 m	/
2.5.6	F	5,91-6,30 m	5,91-6,30 m	/
2.6	Z 6	Fert ispuna (d/š/v) 245x285/275x160 mm	Fert fillings (l/w/h) 245x285/275x160 mm	capacity: \geq 3kn (block length 245 mm) class 1
2.7	Z 7	Malter za zidanje Pripremljeno krečno - cementno vezivo	Mortar for masonry Prepared lime - cement binder	Class mortar M5 granulation of the powder binder: 0-3 mm
2.8	Z 8	Malter za malterisanje Pripremljeno krečno - cementno vezivo	Mortar for plastering Prepared lime - cement binder	Class mortar GP CSII W0 granulation of the powder binder: 0-1.5 mm
2.9	Z 9	Krečna glet masa Bezcementna krečna masa za gletovanje	Lime smoothing mass No cement lime compound for smoothing	Class: GP CSI Grit 0 - 0,1 mm layer thickness: 1 - 5 mm

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Basic characteristics of the material
2.10	Z 10	Poludisperzivna boja Poludisperziona boja razrediva vodom	Semi dispersion paint	color: white made of high-quality synthetic binder dispersion, selected pigments, fillers and additives.

3	K	MATERIJAL ZA KROVNU KONSTRUKCIJU, KROVNI POKRIVAČ, OSB I GIPS KARONSKE TABLE	ROOF CONSTRUCTION AND ROOFING MATERIAL, OSB AND PLASTERBOARD TABLE	
3.1	K 1	Presovani glineni crep I klase dimenzija: 400-450x245-275 mm	Pressed clay tiles class 1 dim: 400-450x245-275 mm	dimensions: 400-275-450x245 mm frost resistance: resistant color: natural (natural) The minimum warranty of 30 years
3.2	K 3	Biber crep I klase dimenzija: 180-200x380-400 mm	Biber clay tiles class 1 dim. 180-200x380-400 mm	frost resistance: resistant color: natural (natural) The minimum warranty of 30 years
3.3	K 2	Slameni crep I klase (žlebjnjak)	Ridge clay tiles class 1	frost resistance: resistant color: natural (natural) The minimum warranty of 30 years
3.4	K 4	Paropropusna i vodonepropusna krovna folija kontrola vodene pare iznad termoizolacije	Vapour permeable and waterproof roof sheeting control of water vapor above the insulation	waterproof: W1 ability diffusion VP (Sd) ≤ 0.05 m flammability: Class E
3.5	K 5	Staklena mineralna vuna termoizolacija potkrovla između rogova	Glass Mineral Wool loft insulation between the rafters	coeff. thermal conductivity (λ) ≤ 0.040 W / mK non-combustible materials - Class A1
3.5.1	A	debljina d=10 cm	thickness d=10 cm	/
3.5.2	B	debljina d=12 cm	thickness d=12 cm	/
3.5.3	C	debljina d=14 cm	thickness d=14 cm	/
3.6	K 6	Parna brana kontrola vodene pare ispod termoizolacije	Vapor barrier control of water vapor below the insulation	Membrane thickness: ≥ 0.15 mm ability diffusion VP (SD) ≥ 35 m, flammability: class F
3.7	K 7	Čamova rezana građa različitog preseka dužine 400 cm	Fir lumber of different cross-section length 400 cm	Class II, humidity: ≤ 14%
3.7.1	A	Rog/Venčanica/Raspinjača 10/12 cm	rafters / wall plate / ridge collar 10/12 cm	length 4m
3.7.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	column / pile / hip rafter / ridge 12/14 cm	length 4m
3.7.3	C	Stub/Grebenjača 14/14 cm	column / hip rafter 14/14 cm	length 4m
3.7.4	H	Tavanjače 18/26 cm	attic beams 18/26 cm	length 4m
3.8	K 8	Čamova rezana građa različitog preseka dužine 600 cm	Fir lumber of different cross-section length 600 cm	Class II, humidity: ≤ 14%
3.8.1	A	Rog/Venčanica/Raspinjača 10/12 cm	rafters / wall plate / ridge collar 10/12 cm	length 6m
3.8.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	column / pile / hip rafter / ridge 12/14 cm	length 6m
3.8.3	C	Stub/Grebenjača 14/14 cm	column / hip rafter 14/14 cm	length 6m
3.8.4	D	Rožnjača 14/16 cm	Purlin 14/16 cm	length 6m
3.8.5	E	Kosnik/Pajanta 10/10 cm	Strut 10/10 cm	length 6m
3.8.6	F	Klešta 6/12 cm	Collar tie 6/12 cm	length 6m
3.8.7	G	Krovna štafla 5/8 cm	Roof battens 5/8 cm	length 6m
3.8.8	H	Tavanjače 18/26 cm	attic beams 18/26 cm	length 6m
3.9	K 9	Građevinska daska - fosna 4,8/25/400 cm	Fir board 4,8/25/400 cm	Class II, humidity: ≤ 14% 4m
3.10	K 10	Krovna daska od čamove rezane građe 2,4-2,5/15 cm, isporučuje se dužine l=3,0 metra	Roof fir board 2,4-2,5/15 cm, lenght l=3,0 m	Class II, humidity: ≤ 14%
3.11	K 11	Krovna letva od čamove rezane građe 3 / 5 cm , isporučuje se dužine l=3,0 metra	Fir batten 3 / 5 cm , lenght l=3,0 m	Class II, humidity: ≤ 14%
3.12	K 12	OSB3 vlagoootporne konstruktivne ploče d=18 mm / dim. 2440 x 1220	OSB3 moisture resistant structural panels d=18 mm / dim. 2440 x 1220	thickness d = 18 mm Plate type: OSB 3 / ground / flat edge Content of formaldehyde: E1
3.13	K 13	Standardne gips kartonske ploče - Tip A dimenzije: 1200-1250 x 2000 mm	Standard plasterboard table - Type A dim: 1200-1250 x 2000 mm	Type: A - with half rounded bevel edge. thickness: 12.5 mm Dimensions: 1200-1250 x 2000 mm

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Basic characteristics of the material
3.14	K 14	Vlagootporne gips kartonske ploče - Tip H2 dimenzije: 1200-1250 x 2000 mm	Moisture resistant Plasterboard - Type H2 dim: 1200-1250 x 2000 mm	Tip: H2 - with half rounded bevel edge. thickness: 12.5 mm Dimensions: 1200-1250 x 2000 mm
3.15	K 15	Čelični pocinkovani i farbani olučni elementi prečnika: Ø 100 mm dužine 600 cm	Galvanized steel and painted gutter elements diameter: Ø 100 mm length 600 cm	thickness: 0.5 mm. protective coating (polyester paint) ≥ 20µ Colour: RAL 3009 - oxide red
3.15.1	A	Horizontalni polukružni element+ prateći paket uz svaki komad elementa. Sadržaj paketa pratećih elemenata horizontalnog oluka. Jedan paket sadrži: čelo (forkop) - 1 komad, kuka preseka 3-5/20-50mm- 10 komada. Čelični pocinkovani elementi farbani u boji oluka.	Horizontal semicircular element + accompanying package with each piece of element. Content of the accompanying elements of the horizontal gutter. One package contains: forehead (forkop) - 1 piece, hook cross section 3-5 / 20-50mm- 10 pieces. Steel galvanized elements color gowns.	/
3.15.2	B	Vertikalni kružni oluk + prateći paket uz svaki komad elementa Sadržaj paketa pratećih elemenata vertikalnog oluka. Jedan paket sadrži: kotlič- 1 komad, koleno 72°-3 komada, obujmica (šelna)-4 komada. Čelični pocinkovani elementi farbani u boji oluka.	Vertical circular gutter + accompanying package with each piece of element Package contents of the accompanying elements of the vertical gutter. One package contains: kettle- 1 piece, knee 72 ° -3 pieces, clamp (heel) -4 pieces. Steel galvanized elements color gowns.	/

4	P	MATERIJAL ZA PODOVE, LAMINAT, PLOČICE I XPS	FLOORING, LAMINATE, TILES AND XPS	
4.1	P 1	Unutrašnje podne keramičke pločice Min. dimenzije pločica: 200x300 mm	Floor tiles for inside Min. tile size: 200x300 mm	Group B (dry pressed tiles) absorption: I a ($E \leq 0.5\%$) and Ib ($0.5 < E \leq 0.5\%$) Abrasion resistance: min. PEI 3 resistance. to frost: not required
4.2	P 2	Unutrašnje zidne keramičke pločice Min. dimenzije pločica: 200x300 mm	Wall tiles for inside Min. tile size: 200x300 mm	Group B (dry pressed tiles) absorption: III ($E > 10\%$) resistance. to frost: not required
4.3	P 3	Lepak za keramičke pločice Fleksibilni, polimer-cementni lepak	Glue for ceramic tiles Flexible, polymer-cement glue	Class C1 or C2
4.4	P 4	Fleksibilna masa za fugovanje Vodooodbojna fug masa na bazi cementa	Flexible mass for grouting Waterproof grout cement based	Class: CG2 WA color: gray
4.5	P 5	Laminat - jakopresovani (HLP) sa klik sistemom, dezen: hrast natur (prirodni)	Laminate (HLP) with click system, design: oak natural (natural)	thickness: $\geq 8\text{mm}$, Dimensions (lwxw) 1100-1400 x 100-400 mm Hardness: min. 22
4.6	P 6	Lajsne za laminat od medijapanu materijal: medijapan / MDF	Moldings for laminate MDF Material: MDF / MDF	(h / w / l): 20-30 x 35-40 x 2500-2800 mm. coated: melamine foil or painted
4.7	P 7	Podloga za laminat od polietilenske pene Sunderasta podloga za laminat	The base for laminate of polyethylene foam Foam base for laminate	Thickness: $\geq 2\text{ mm}$ Maximum load: $\leq 1\text{ t/m}^2$
4.8	P 8	Cementni suvi estrih (cementna košuljica). Pripremljeno cementno praškasto vezivo	Cement dry screed (cement screed) Prepared cement powder binder	Class screed: CT C20-F4 (or F5) granulation of the powder binder: 0-4 mm
4.9	P 9	Građevinska PVC folija Za razdvajanje cementne košuljice od termo izolacije.	PVC foil for construction. To separate the cement screed of thermal insulation.	roll / width: $\geq 4\text{ m}$ roll / length: $\geq 10\text{ m}$ Thickness of PVC film: $\geq 0.15\text{ mm}$ low density polyethylene (LDPE film) Purpose: Construction - transparent color

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Basic characteristics of the material
4.10	P 10	Stirodur (XPS za izolaciju na podovima) ploča od ekstrudirane polistirenske pene	Stirodur (XPS insulation for floors) panel of extruded polystyrene foam	XPS III category, subcategory C Minimum raw density 30 kg/m ³ coeff. thermal conductivity (λ) ≤ 0.035 W / mK flammability class B1 Compressive strength: ≥ 30 t/m ²
4.10.1	A	debljine d=2 cm	d=2 cm	/
4.10.2	B	debljine d=5 cm	d=5 cm	/

5	F	MATERIJAL ZA IZRADU FASADE	FACADE MATERIAL	
5.1	F 1	EPS za termoizolaciju fasadnih zidova ploča od ekspandiranog polistirena	Thermal insulation for facade walls (EPS) plates made of expanded polystyrene	EPS 70 Category I, Subcategory A coeff. thermal conductivity (λ) ≤ 0.040 W / mK flammability class B1
5.1.1	A	debljina d=8 cm	d=8 cm	/
5.1.2	B	debljina d=10 cm	d=10 cm	/
5.1.3	C	debljina d=12 cm	d=12 cm	/
5.1.4	D	debljina d=14 cm	d=14 cm	/
5.2	F 2	Građevinski lepak za EPS ploče cementni lepak namenjen za lepljenje ploča od ekspandiranog polistirena (EPS) i armiranje armaturne (rabic) mrežice	Construction glue for EPS plates cement adhesive for gluing plates made of expanded polystyrene (EPS) and reinforcing wire (rabic) net	density of hardened mortar ≥ 1400 g/dm ³ Compressive strength after 28 days ≥ 6 MPa coefficient of diffusion resistance μ ≥ 20 adhesion to the surface of the concrete ≥ 250 kPa adhesion to the surface of the EPS ≥ 80 kPa
5.3	F 3	Armaturalna (rabic) staklena mrežica. Visokokvalitetna alkalno postojana staklena mrežica	Reinforcing (rabic) fiberglass mesh High quality alkali resistant fiberglass mesh	web width max. 100 cm Roll length max. 5000 cm opening width (buds) max. 5x5 mm surface mass > 120 g/m ²
5.4	F 4	Aktivni predpremaz pre nanošenja tankoslojnog fasadnog maltera. predpremaz za izjednačavanje upijanja - podloga	Active primer before applying the thin-layer plaster primer for the equalization of absorption surface	The substrate for the thin film of white acrylic finishing plaster consisting of: alkali binder and mineral filler, classified, quartz sand and pigments.
5.5	F 5	Fasadni tankoslojni akrilni malter Završni malter u pastoznom stanju, namenjen za zaštitu fasadnih zidnih površina	Facade thin-layer acrylic plaster Finishing plaster in paste-like state, intended for the protection of facade wall surfaces	ability diffusion VP : Class V2 - Medium adhesion to the substrate ≥ 0.3 MPa; Grit: 2 mm Structure: Full Grain (ful) structure
5.5.1	A	boja približna RAL 1034 -kajsija	color similar to RAL 1034-apricot	/
5.5.2	B	boja približna RAL 6005 -pastelno zelena	color similar to RAL 6005 pastel-green	/
5.5.3	C	boja približna RAL 5023 -pastelno plava	color similar to RAL 5023 pastel-blue	/
5.5.4	D	boja približna RAL 3011 -pastelno crvena	color similar to RAL 3011 pastel-red	/
5.5.5	E	boja približna RAL 8002 -braon	color similar to RAL 8002 brown	/

6	H	MATERIJAL ZA HIDRO IZOLACIJE	WATERPROOFING MATERIAL	
6.1	H 1	Bitulit (prethodni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	Bitulit (previous coating for waterproofing) It is used as delivered (cold process) without heating	bitumen content: ≥ 30% Solvent content: ≤ 70% softening point of bitumen: ≥ 55 ° C resistance to flow in Powys. Tempe. ≥ 70 ° C.
6.2	H 2	Poliazbitol (hladni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	POLYASBITOL (cold coating for waterproofing) It is used as delivered (cold process) without heating	binder content-elastomer bitumen: ≥ 40% the filler content of <40% bitumen softening point: ≥ 120 ° C waterproof: tight

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Basic characteristics of the material
6.3	H 3	Ter papir Bitumenska hidroizolaciona traka.	Ter paper Bituminous waterproofing tape.	waterproof: class W1 ability diffusion VP (Sd) ≤ 50 m flammability: Class E
6.4	H 4	Kondor V-3 (hidroizolaciona traka) Plastomer-bitumenska traka, uložak stakleni voal, debljina: ≥ 3 mm	Condor V-3 (waterproof tape) Plastomer-bituminous tape, glass mat, thickness: ≥ 3 mm	Type of waterproofing: T waterproof: ≥ 60 kPa flammability: Class E

7	S	STOLARIJA	DOORS AND WINDOWS	
7.1	S 1	Ulazna vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	Entrance door of PVC (set position) Profile color: white RAL 9003 Number of chambers: ≥ 5 chambers width x height (masonry measures)	Equipment: spy, lock, anodized handles, two seals in the area of threshold and all necessary fittings Certification: the profiles do not contain lead and cadmium Certification: the profiles of the new material Fittings: required approval Maximum allowable coefficient of heat for the front door Umax. = 1.60 W / (m 2 K).
7.1.1	A	JK 90x210 cm - Leva 90 cm	one wing 90x210 cm - Left 90 cm	left opening (90cm - one wing)
7.1.2	B	JK 90x210 cm - Desna 90 cm	one wing 90x210 cm - Right 90 cm	right opening (90cm - one wing)
7.1.3	C	DK 120x210 cm - Leva 90+30 cm	two wings 120x210 cm - Left 90+30 cm	left opening (90+30cm-two wings)
7.1.4	D	DK 120x210 cm - Desna 90+30 cm	two wings 120x210 cm - Right 90+30 cm	right opening (90+30cm-two wings)
	E	JK 90x200 cm - Leva 90 cm	JK 90x200 cm - Left 90 cm	left opening (90cm - jedno krilo)
	F	JK 90x200 cm - Desna 90 cm	JK 90x200 cm - Right 90 cm	right opening (90+30cm-dva krila)
	G	DK 120x200 cm - Leva 90+30 cm	DK 120x200 cm -Left 90+30 cm	left opening (90cm - jedno krilo)
	H	DK 120x200 cm - Desna 90+30 cm	DK 120x200 cm - Right 90+30 cm	right opening (90+30cm-dva krila)
7.2	S 2	Prozori od PVC-a (komplet pozicija). Vertikalno i horizontalno otvaranje, boja profila: bela RAL 9003, broj komora: ≥ 5 komora širina x visina (zidarske mere)	Windows made of PVC (set position) Vertical and horizontal opening, color profile: white RAL 9003, the number of chambers: ≥ 5 chambers width x height (masonry measures)	Equipment: anodized handle and all necessary fittings Certification: the profiles do not contain lead and cadmium Certification: the profiles of the new material Fittings: required approval Maximum allowable coefficient of heat transmission window Umax. = 1.50 W / (m 2 K).
7.2.1	A	JK 60x60 cm	one wing 60x60 cm	vertical and horizontal opening
7.2.2	B	JK 80x80 cm	one wing 80x80 cm	vertical and horizontal opening
7.2.3	C	JK 80x120 cm	one wing 80x120 cm	vertical and horizontal opening
7.2.4	D	JK 80x140 cm	one wing 80x140 cm	vertical and horizontal opening
7.2.5	E	JK 100x120 cm	one wing 100x120 cm	vertical and horizontal opening
7.2.6	F	JK 100x140 cm	one wing 100x140 cm	vertical and horizontal opening
7.2.7	G	DK 120x120 cm	two wings 120x120 cm	vertical and horizontal opening
7.2.8	H	DK 120x140 cm	two wings 120x140 cm	vertical and horizontal opening
7.2.9	I	DK 140x120 cm	two wings 140x120 cm	vertical and horizontal opening
7.2.10	J	DK 140x140 cm	two wings 140x140 cm	vertical and horizontal opening
7.2.11	K	DK 160x120 cm	two wings 160x120 cm	vertical and horizontal opening
7.2.12	L	DK 160x140 cm	two wings 160x140 cm	vertical and horizontal opening

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Basic characteristics of the material
7.3	S 3	Krovni prozor sa aluminijumskom opšivkom od laminirane i impregnirane čamove građe	Roof window with aluminum flashings of laminated and impregnated fir timber	contains: flashings for corrugated covers the thermal and waterproofing kit and drainage channel way to Opening the central suspension wings with the upper handle. interior blinds: the blackout manually operated standard colors Maximum allowable coefficient of heat transmission window Umax. = 1.50 W / (m 2 K).
7.3.1	A	dimenzije 66 x 118 (širina x visina)	66 x 118 (width x height)	/
7.3.2	B	dimenzije 78 x 98 (širina x visina)	78 x 98 (width x height)	/
7.3.3	C	dimenzije 78 x 118 (širina x visina)	78 x 118 (width x height)	/
7.4	S 4	Balkonska vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	Balcony doors from PVC (set position) Profile color: white RAL 9003 Number of chambers: ≥ 5 chambers width x height (masonry measures)	Equipment: anodized handle and all necessary fittings Certification: the profiles do not contain lead and cadmium Certification: the profiles of the new material Fittings: required approval Maximum allowable coefficient of heat for the entire patio doors Umax. = 1.50 W / (m 2 K).
7.4.1	A	JK 90x210 cm - Leva		left opening
7.4.2	B	JK 90x210 cm - Desna		right opening
7.4.3	C	DK 140x210 cm		double doors
	D	JK 90x200 cm - Leva		left opening
	F	JK 90x200 cm - Desna		right opening
	G	DK 140x200 cm		double doors
7.5	S 5	Unutrašnja vrata sa ispunom od kartonskog sača (komplet pozicija). širina x visina (spoljna mera futera)	Internal doors filled with cardboard honeycomb (set position) width x height (external measures footer)	Jamb (footer), the minimum thickness of 35 mm made of MDF and combined MDF wood MDF (three-part). malamine coated foil painted white. Delivered miter. Doorsteps board, a minimum width of 70 mm, L-shaped, made of MDF. miter and firms with cams which provides additional mutual adjustment, the front min. + 20 mm, the rear of the min. + 10 mm. malamine coated foil, white.
7.5.1	A	70x205 cm - Leva (dubina štoka 0-16 cm)	70x205 cm - Left (depth door 0-16 cm)	left opening (depth 0-16 cm)
7.5.2	B	70x205 cm - Leva (dubina štoka 16-30 cm)	70x205 cm - Left (depth door 16-30 cm)	left opening (depth 16-30 cm)
7.5.3	C	70x205 cm - Desna (dubina štoka 0-16 cm)	70x205 cm - Right (depth door 0-16 cm)	right opening (depth 0-16 cm)
7.5.4	D	70x205 cm - Desna (dubina štoka 16-30 cm)	70x205 cm - Right (depth door 16-30 cm)	right opening (depth 16-30 cm)
7.5.5	E	80x205 cm - Leva (dubina štoka 0-16 cm)	80x205 cm - Left (depth door 0-16 cm)	left opening (depth 0-16 cm)
7.5.6	F	80x205 cm - Leva (dubina štoka 16-30 cm)	80x205 cm - Left (depth door 16-30 cm)	left opening (depth 0-16 cm)
7.5.7	G	80x205 cm - Desna (dubina štoka 0-16 cm)	80x205 cm - Right (depth door 0-16 cm)	right opening (depth 0-16 cm)
7.5.8	H	80x205 cm - Desna (dubina štoka 16-30 cm)	80x205 cm - Right (depth door 16-30 cm)	right opening (depth 16-30 cm)
7.5.9	I	90x205 cm - Leva (dubina štoka 0-16 cm)	90x205 cm - Left (depth door 0-16 cm)	left opening (depth 0-16 cm)

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Basic characteristics of the material
7.5.10	J	90x205 cm - Leva (dubina štoka 16-30 cm)	90x205 cm - Left (depth door 16-30 cm)	left opening (depth 16-30 cm)
7.5.11	K	90x205 cm - Desna (dubina štoka 0-16 cm)	90x205 cm - Right (depth door 0-16 cm)	right opening (depth 0-16 cm)
7.5.12	L	90x205 cm - Desna (dubina štoka 16-30 cm)	90x205 cm - Right (depth door 16-30 cm)	right opening (depth 16-30cm)
8		OSTALA OPREMA I MATERIJAL		OTHER EQUIPMENT AND SUPPLIES
8.1	D 1	Jednostruki dimnjak prečnika Φ 140 mm. Trošlojni montažni dimnjački sistem namenjen za sva ložišta i sve vrste goriva, bez ventilacije. Sastavljen je od: dimnjačke cevi od tehničke keramike, izolacije oko cevi dimnjaka od kamene vune minimalne specifične težine 80kg/m ³ , spoljnog dimnjačkog plašta od lakog betona, vatrostalnog lepka u kartušama, vatrootpornih i gasnonepropusnih atestiranih trošlojnih vratanača, kondenz posude, priključaka za reviziju i ložišta, krovne ploče od staklo betona, nosača tervola i tvrdih tervol ploča za priključke, ventilacione rešetke, dilatacione rozete od nerđajućeg čelika. Spoljna dimenzija dimnjačkog plašta za f14cm=32x32cm.	A single chimney diameter 140 mm. Three-layer prefabricated chimney system designed for all furnaces and all types of fuel, with no ventilation. It is composed of: chimney pipe of technical ceramics, pipe insulation around the chimney of stone wool minimum specific weight of 80kg/m ³ , external chimney mantle of lightweight concrete, refractory adhesive in cartouches, fireproof and gas impermeable certified three-layer side door, condensate pots, connectors for the audit and furnaces, roof tiles of glass concrete girders Tervola and hard tervol plate connections, ventilation grilles, rosettes expansion of stainless steel. The external dimensions of the chimney sleeve f14cm = 32x32cm.	The external dimensions of the chimney sleeve f14cm = 32x32cm. thermal resistance: R65 Fire resistance class: F90
9		Vodovod Kanalizacija Oprema		WATER SUPPLY AND SEWAGE
		Vodovod		WATER SUPPLY
9.1	V 1	Vodovodne polietilenske cevi PE 100 PN16 za radni pritisak 16 bara (SDR 11)	Water supply polyethylene pipe PE 100 PN16 the working pressure of 16 bar (SDR 11)	Material: High density polyethylene PE 100
9.1.1	A	d25 (s min. 2,3) - 3/4"	d25 (s min. 2,3) - 3/4"	/
9.1.2	B	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	/
9.1.3	C	d40 (s min. 3,7) - 5/4"	d40 (s min. 3,7) - 5/4"	/
9.2	V 2	Vodovodne cevi PP-R 80 PN20 za radni pritisak 20 bara, bele ili zelene boje (materijal: polipropilen-random kapolimer)	Water pipe PP-R 80 PN20 the working pressure of 20 bar, white or green (material: polypropylene random kapolimer)	material density 0.85-0,95 g / cm ³ firm. border stretched. (23 ° C) > 20 MPa elongation at break (23 ° C)> 8% hardness 60-70 The hardness of the ball 40-50 N/mm ² melting point 145-150 ° C
9.2.1	B	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	/
9.2.2	C	d25 (s min. 4,2) - 3/4"	d25 (s min. 4,2) - 3/4"	/
9.2.3	D	d32 (s min. 5,4) - 1"	d32 (s min. 5,4) - 1"	/
9.3	V 3	Vodomjer sa prirubnicama, holenderima i pripadajućom opremom za montažu, za pritisak do 16 bara	water gauge flanges, unions and associated equipment for assembly, for pressure up to 16 bar	of cold water to one. or multijet wet or dry mechanism Grade B accuracy
9.3.1	A	horizontalni 3/4"	Horizontal 3/4"	/
9.3.2	B	horizontalni 1"	Horizontal 1"	/
9.3.3	C	horizontalni 5/4"	Horizontal 5/4"	/
9.4	V 4	Ravni propusni ventil sa ogrankom za pražnjenje	Skip straight valve with a branch drain	
9.4.1	A	d25 (s min. 2,3) - 3/4"	d25 (s min. 2,3) - 3/4"	/
9.4.2	B	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	/
9.5	V 5	Propusni ventil za uzidanje sa kapom	Gate valve for the wall with cap	
9.5.1	A	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	/
9.5.2	B	d25 (s min. 4,2) - 3/4"	d25 (s min. 4,2) - 3/4"	/
9.5.3	C	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	/
9.6	V 6	Ugaoni "EK" sa kapom	Angle valve "EK" with cap	
9.6.1	A	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	/
9.7	V 7	Termička izolacija vodovodnih cevi -tipa plamaflex ISO ili sl.	Thermal insulation of water pipes-type PLAMAFLEX ISO etc..	
9.7.1	B	d20 (22/9) - 1/2"	d20 (22/9) - 1/2"	/
9.7.2	C	d25 (25/9) - 3/4"	d25 (25/9) - 3/4"	/
9.7.3	D	d32 (35/9)- 1"	d32 (35/9)- 1"	/
		Kanalizacija		SEWAGE

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Basic characteristics of the material
9.8	V 8	PVC kanalizacione cevi SDR 41 / SN4 / PN5 za spoljni razvod, kućna i ulična kanalizacija	PVC sewer pipe SDR 41 / CH4 / PN5 for external distribution, household and street sewage	material density 0.9-1 g / cm ³ Tensile strength 50-60 MPa Ring stiffness SN 4 KN/m ² connecting seal in socket with EPDM or rubber Pipe are orange
9.8.1	A	d110 (s min. 3,2) dužina 6,0m	d110 (s min. 3,2) length 6,0m	/
9.8.2	B	d160 (s min. 4,0) dužina 6,0m	d160 (s min. 4,0) length 6,0m	/
9.9	V 9	Plastične PP cevi SDR 51 / SN2 / PN4 za unutrašnji (kućni) razvod, kućna kanalizacija	Plastic PP pipes SDR 51 / SN2 / PN4 for internal (home) distribution, household sewage	non-flammable category B1 or B2 resistant to chemical agents (pH 2-12) Operating temperature up to + 95 °C Ring stiffness SN 2 KN/m ² connecting seal in socket with EPDM or rubber pipes are light gray
9.9.1	A	d50 (s min. 1,8) dužina 3,0m	d50 (s min. 1,8) length 3,0m	/
9.9.2	B	d75 (s min. 1,9) dužina 3,0m	d75 (s min. 1,9) length 3,0m	/
9.9.3	C	d110 (s min. 2,7) dužina 3,0m	d110 (s min. 2,7) length 3,0m	/
9.10	V 10	Plitki PE podni sливник d50 sa horizontalnim odvodom dimenzija 150x150mm	Shallow PE floor drain with horizontal outlet d50 size 150x150mm	with a grid of stainless steel trap with security odor eliminator
9.11	V 11	Zidni sifoni sa odvodnom mesinganom cevi d32 (mašina za pranje veša i sudova)	Wall siphon with drainage brass tubes d32 (washing machines, dishwashers)	
		Oprema u kupatilu	BATHROOM EQUIPMENT	
9.12	V 12	WC šolja od keramike I klase	Ceramic toilet bowl class 1	with a removable seat and cover
9.13	V 13	Niskomontažni plastični predzidni vodokotlić za nisku montažu iznad wc šolje sa plovkom i svim potrebnim delovima za funkcionišanje vodokotlića	Low mounting plastic-wall toilet tank for low installation above the toilet bowl float and all the parts required for the operation of flushing	6/9 - liter cistern made of ABS plastic insulated against condensation quiet and fast charging with flush pipe for low installation
9.14	V 14	Umivaonikom sa stubom od keramike I klase	Washbasin with ceramic pillar class 1	min. size 610x480 mm the discharge valve and chrome siphon 5/4 "and screws and plastic anchors to connect with the wall
9.15	V 15	Pravougaona akrilna tuš kada dimenzija 90x90cm sa odlivnim ventilom	Rectangular acrylic shower size 90x90cm with discharge valve	Acrylic min. 3mm thick with reinforced anti-slip bottom. Bathtubs come with booby trap, a metal substructure and plating.
9.16	V 16	Električni akumulacioni bojler 50l vertikalni grejač 2 kW, napon 230V, kazan izrađen od emajliranog lima, sa pratećim materijalom za ugradnju	Electric storage water heater 50l vertical heater 2 kW, 230V, caldron made of enameled steel, with supporting material for installation	thermometer with warning light with external regulator water Safety valve with screws and anchors for mounting anode Mg approximate dimensions H / W / D: 75/40/45 cm
9.17	V 17	Ogledalo sa etažerom (iznad umivaonika) četvrtasto, min. dimenzija 80x60cm	Mirror with shelf above wash basin square, min. 80x60cm	minimum three shelves
9.18	V 18	Baterije (slavine) hromirane baterije za hladnu i toplu vodu	Lever chrome lever for cold and hot water	/
9.18.1	A	za umivaonik jednoručna stoeća	For washbasin single lever basin standing	/
9.18.2	B	za tuš kadu (sa tuš ručicom i tuš crevom) jednoručna sa poniklovanim savitljivim crevom	For shower bath (with shower head and shower hose) Single lever with nickel hoses	/
9.18.3	C	za mašinu za veš i sudove, holender slavina DN20/15, s pripadajućom opremom za ugradnju	for washing machine and dishwasher, union DN20/15 taps, and all the equipment for installation	/
		Oprema u kuhinji	KITCHEN EQUIPMENT	
9.19	V 19	Korito sudopere od "Inox "-a (dvodelno) (izrađeno od plemenitog nerđajućeg čelika) orjenacione dimenzije: 780 x 435 x 150 mm	kitchen sink "Inox" two-part (made of stainless steel) approx. dim: 780 x 435 x 150 mm	the discharge valve with cap and chain, plastic trap with drain pipe 5/4 "and a rubber sleeve for connection to the wall sewer pipes

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Basic characteristics of the material
9.20	V 20	Električni akumulacioni bojler 5l za ugradnju iznad sudopere, vertikalni grejač 2 kW, napon 230V, kazan izrađen od plastike sa pratećim materijalom za ugradnju	Electric storage water heater 5l Fitting over the sink, vertical heater 2 kW, 230V, caldron made of plastic with the materials for installation	thermometer with warning light with external regulator water Safety valve with screws and anchors for mounting approximate dimensions H / W / D: 42/22/26 cm
9.21	V 21	Baterija za sudoperu jednoručna stoeća hromirana baterija za hladnu i toplu vodu	Sink-standing single lever chrome mixer for hot and cold water	

10	E	ELEKTRO MATERIJAL I OPREMA	Electrical materials and equipment	
		Kablovi i kablovski pribor	Electrical cables and cable accessories	
10.1	E 1	Napojni kablovi	Power cables	with copper conductors and PVC insulation
10.1.1	A	X00-A 4x16 mm ²	X00-A 4x16 mm ²	/
10.1.2	B	PP00-Y 5x6 mm ²	PP00-Y 5x6 mm ²	/
10.1.3	C	PP00-Y 5x10 mm ²	PP00-Y 5x10 mm ²	/
10.2	E 2	Instalacioni kablovi	Installation cables	with copper conductors and PVC insulation
10.2.1	A	PP-Y 3x1,5 mm ²	PP-Y 3x1,5 mm ²	/
10.2.2	B	PP-Y 4x1,5 mm ²	PP-Y 4x1,5 mm ²	/
10.2.3	C	PP-Y 3x2,5 mm ²	PP-Y 3x2,5 mm ²	/
10.2.4	D	PP-Y 5x2,5 mm ²	PP-Y 5x2,5 mm ²	/
10.3	E 3	Instalacione PVC cevi	PVC pipe for installations of cables	Flexible PVC pipes for laying cables
10.3.1	A	fi 16mm ²	fi 16mm ²	/
10.3.2	B	fi 50mm ²	fi 50mm ²	/
		Razvodne table i oprema	The junction boards and equipment	
10.4	E 4	Razvodna tabla Stanska, za ugradnju na zid sa transparentnim vratima, sa mestom za 18 modula, DIN šinom, IP40 Razvodna tabla sadrži :	Junction board (for flat) for wall mounting with transparent door, with space for 18 modules, DIN rail, IP40 Junction board contains:	/
10.5	E 5	Jednopolni instalacioni prekidač (automatski osigurač) za montažu na DIN šinu nom. napona 230V/400V, 50Hz; karakteristike B; prekidne moći 6kA:	Single-pole fuse (Automatic fuse) for mounting on DIN rail nom. voltage 230V/400V, 50Hz, features B; breaking capacity 6kA:	/
10.5.1	A	nazivne struje 6A	rated current of 6A	/
10.5.2	B	nazivne struje 10A	rated current of 10A	/
10.5.3	C	nazivne struje 16A	rated current of 16A	/
10.6	E 6	Signalna sijalica za signalizaciju tarife 230V za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	The indicator lamp for signaling rates 230V for use in flat junction board, mounting on DIN rail	/
10.7	E 7	FID sklopka za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	FID switch for installation in junction board, mounting on DIN rail	/
10.7.1	A	16A/30mA, 2-polna, 230V, 50Hz;	16A/30mA, 2-pole, 230V, 50Hz;	/
10.7.2	B	25A/0,5A, 4-polna, 230V/400V, 50Hz;	25A / 0,5 A, 4-pole, 230V/400V, 50Hz;	/
10.8	E 8	Instalaciono zvono 230V, 50Hz; za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	Bell 230V, 50Hz, for use in junction board, mounting on DIN rail	/
		Instalacioni materijal	Installation material	
10.9	E 9	Instalaciona kutija za ugradnju u završnu obradu zida	Installation box for installation in the wall	
10.9.1	A	fi 60 mm	fi 60 mm	/
10.9.2	B	fi 78 mm	fi 78 mm	/
10.9.3	C	100x100mm	100x100mm	/
10.10	E 10	Instalaciona priključnica IP20 za ugradnju u završnu obradu zida sa zaštitnim kontaktom	Installation socket IP20 for installation in the wall with a protection contact	
10.10.1	A	16A, monofazna, 250 V	16A, single-phase, 250 V	/
10.10.2	B	16A, monofazna, dupla, 250 V	16A, single-phase, double, 250 V	/
10.10.3	C	16A, trofazna, 400V	16A, three-phase, 400V	/
10.11	E 11	Instalaciona priključnica IP43 sa poklopcom za ugradnju u završnu obradu zida, sa zaštit. kontaktom, 16A, monofazna, 250 V	Installation socket IP43 with cover for use in wall with protection. contact, 16A, single-phase, 250 V	
10.12	E 12	Prekidači IP20 za ugradnju u završnu obradu zida	Switches IP20 for installation in wall	
10.12.1	A	običan, 10A	regular, 10A	/
10.12.2	B	serijski, 10A	serial, 10A	/
10.12.3	C	za zvono	for bell	/
10.12.4	D	Instalacioni prekidač "KIP" 16A	Installation switch "KIP" 16A	/

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Basic characteristics of the material
10.13	E 13	Indikator za kupatilo sa tri sklopke 16A i signalnim sijalicama	The indicator for the bathroom Three switches 16A and signal lights	
		Svetiljke	Lighting	
10.14	E 14	Svetiljka za montažu na plafon sa inkadescentnom sijalicom 60W, E-27,	Luminaire to be mounted on the ceiling with a 60W incandescent bulb, E-27	
10.14.1	A	IP 43 za sanitarni čvor	IP 43 for toilet	/
10.14.2	B	IP 20 za unutrašnje prostorije	IP 20 for indoor rooms	/
	E	Instalacija uzemljenja i gromobrana	Earthing and lightning protection	
10.15	E 15	Pocinkovana traka	Galvanized strip	
10.15.1	A	FeZn 25x4mm	FeZn 25x4mm	/
10.15.2	B	FeZn 20x3mm	FeZn 20x3mm	/
10.16	E 16	SIP ormarić (PS49) sa sabirnicom za izjednačenje potencijala	SIP boxes (PS 49) with bonding	
10.17	E 17	Provodnici za uzemljenje	Grounding conductors	
10.17.1	A	PP00-Y 1x16mm2	PP00-Y 1x16mm2	/
10.17.2	B	P/F-Y 1x6mm2	P/F-Y 1x6mm2	/
10.17.3	C	P/F-Y 1x4mm2	P/F-Y 1x4mm2	/
	E F	Instalacija slabe struje	Installation of low voltage	
10.18	E 18	Antenski koaksijalni kabl RG 6	Antenna Coaxial Cable RG 6	
10.19	E 19	Telefonski kabl sa bakarnim provodnicima IY(St)Y 2x2x0.8mm	Telephone cable with copper conductors IY (St) Y 2x2x0.8mm	
10.20	E 20	Priklučnice	Connectors	
10.20.1	A	Telefonska - RJ11 za montažu u dozni fi 60mm	Phone - RJ11 for mounting in enclosure fi 60mm	/
10.20.2	B	RTV priključnica za montažu u dozni fi 60mm	RTV connector for mounting in enclosure fi 60 mm	/

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Osnovni standardi/ STANDARDS
1	A	OSNOVNI GRAĐEVINSKI MATERIJAL	BASIC BUILDING MATERIALS	
1.1	O 1	Cement za betone do MB 30	Cement for concrete up to 30 MB	SRPS EN 197-1
1.2	O 2	Hidratisani gašeni kreč pripremljen u prahu	Hydrated slaked lime powdered	SRPS EN 459-1
1.3	O 3	Rebrasto betonsko gvožđe (RA)	Ribbed reinforcement steel	SRPS EN 10080
1.3.1	A	10 mm - dužine 12m	10 mm - length 12m	/
1.3.2	B	12 mm - dužine 12m	12 mm - length 12m	/
1.3.3	C	14 mm - dužine 12m	14 mm - length 12m	/
1.3.4	D	16 mm - dužine 12m	16 mm - length 12m	/
1.4	O 4	Glatko betonsko gvožđe (GA)	Glibly reinforcement steel	SRPS EN 10080
1.4.1	B	8 mm - dužine 12m	8 mm - length 12m	/
1.4.2	C	10 mm - dužine 12m	10 mm - length 12m	/
1.5	O 5	Armatura betonska mreža dim. (dxš) 6000 x 2150 = 12,9 m2/kom	Reinforcement mesh dim. (lxw) 6000 x 2150 = 12,9 m2/pcs	SRPS EN 10080
1.5.1	A	Q84 /4x4/150x150/	Q84 /4x4/150x150/	/
1.5.2	B	Q131 /5x5/150x150/	Q131 /5x5/150x150/	/
1.5.3	C	Q188 /6x6/150x150/	Q188 /6x6/150x150/	/
1.5.4	D	Q283 /6x6/100x100/	Q283 /6x6/100x100/	/
1.5.5	E	Q335 /8x8/150x150/	Q335 /8x8/150x150/	/
2	Z	MATERIJAL ZA ZIDANJE, MALTERISANJE, GLETOVANJE I FARBANJE	MASONRY, PLASTERING FAIRING AND PAINTING MATERIAL	
2.1	Z 1	Giter blok (d/š/v) 250x190x190 mm	Gitter block (l/w/h) 250x190x190 mm	SRPS EN 771-1
2.2	Z 2	Giter polublok (12cm) (d/š/v) 250x120x190mm	Gitter half block (12cm) (l/w/h) 250x120x190mm	SRPS EN 771-1
2.3	Z 3	Opeka puna (d/š/v) 250x120x65 mm	Brick (full-without holes) (l/w/h) 250x120x65 mm	SRPS EN 771-1
2.4	Z 4	Blok od porobetona za pregradni zid (d/š/v) 625x200x200 mm	Aerated concrete block for partition wall (l/w/h) 625x200x200 mm	SRPS U.N1.300 SRPS U.N1.308
2.5	Z 5	Fert nosači (gredice) Dužina nosača je jednak dužini binora = širina otvora između zidova + 30 cm. Broj gredica = dužina prostorije x 0,40	Fert beams Boom length is equal to the length of Binor = width of the openings between the walls + 30 cm. Number of beams = length of room x 0.40	SRPS EN 15037-1
2.5.1	A	0,00-3,90 m	0,00-3,90 m	/
2.5.2	B	3,91-4,50 m	3,91-4,50 m	/
2.5.3	C	4,51-4,90 m	4,51-4,90 m	/
2.5.4	D	4,91-5,30 m	4,91-5,30 m	/
2.5.5	E	5,31-5,90 m	5,31-5,90 m	/
2.5.6	F	5,91-6,30 m	5,91-6,30 m	/
2.6	Z 6	Fert ispuna (d/š/v) 245x285/275x160 mm	Fert fillings (l/w/h) 245x285/275x160 mm	SRPS EN 15037-3
2.7	Z 7	Malter za zidanje Pripremljeno krečno - cementno vezivo	Mortar for masonry Prepared lime - cement binder	SRPS EN 998-2
2.8	Z 8	Malter za malterisanje Pripremljeno krečno - cementno vezivo	Mortar for plastering Prepared lime - cement binder	SRPS EN 998-1
2.9	Z 9	Krečna glet masa Bezcementna krečna masa za gletovanje	Lime smoothing mass No cement lime compound for smoothing	SRPS EN 998-1

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Osnovni standardi/ STANDARDS
2.10	Z 10	Poludisperzivna boja Poludisperziona boja razrediva vodom	Semi dispersion paint	SRPS EN 13300

3	K	MATERIJAL ZA KROVNU KONSTRUKCIJU, KROVNI POKRIVAČ, OSB I GIPS KARONSKE TABLE	ROOF CONSTRUCTION AND ROOFING MATERIAL, OSB AND PLASTERBOARD TABLE	
3.1	K 1	Presovani glineni crep I klase dimenzija: 400-450x245-275 mm	Pressed clay tiles class 1 dim: 400-450x245-275 mm	SRPS EN 1304
3.2	K 3	Biber crep I klase dimenzija: 180-200x380-400 mm	Biber clay tiles class 1 dim. 180-200x380-400 mm	SRPS EN 1304
3.3	K 2	Slemeni crep I klase (žljevnjak)	Ridge clay tiles class 1	SRPS EN 1304
3.4	K 4	Paropropusna i vodonepropusna krovna folija kontrola vodene pare iznad termoizolacije	Vapour permeable and waterproof roof sheeting control of water vapor above the insulation	SRPS EN 13859-1
3.5	K 5	Staklena mineralna vuna termoizolacija potkrovila između rogova	Glass Mineral Wool loft insulation between the rafters	SRPS EN 13162
3.5.1	A	debljina d=10 cm	thickness d=10 cm	/
3.5.2	B	debljina d=12 cm	thickness d=12 cm	/
3.5.3	C	debljina d=14 cm	thickness d=14 cm	/
3.6	K 6	Parna brana kontrola vodene pare ispod termoizolacije	Vapor barrier control of water vapor below the insulation	SRPS EN 13984
3.7	K 7	Čamova rezana građa različitog preseka dužine 400 cm	Fir lumber of different cross-section length 400 cm	SRPS EN 1611-1
3.7.1	A	Rog/Venčanica/Raspinjača 10/12 cm	rafters / wall plate / ridge collar 10/12 cm	/
3.7.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	column / pile / hip rafter / ridge 12/14 cm	/
3.7.3	C	Stub/Grebenjača 14/14 cm	column / hip rafter 14/14 cm	/
3.7.4	H	Tavanjače 18/26 cm	attic beams 18/26 cm	/
3.8	K 8	Čamova rezana građa različitog preseka dužine 600 cm	Fir lumber of different cross-section length 600 cm	SRPS EN 1611-1
3.8.1	A	Rog/Venčanica/Raspinjača 10/12 cm	rafters / wall plate / ridge collar 10/12 cm	/
3.8.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	column / pile / hip rafter / ridge 12/14 cm	/
3.8.3	C	Stub/Grebenjača 14/14 cm	column / hip rafter 14/14 cm	/
3.8.4	D	Rožnjača 14/16 cm	Purlin 14/16 cm	/
3.8.5	E	Kosnik/Pajanta 10/10 cm	Strut 10/10 cm	/
3.8.6	F	Klešta 6/12 cm	Collar tie 6/12 cm	/
3.8.7	G	Krovna štafla 5/8 cm	Roof battens 5/8. cm	/
3.8.8	H	Tavanjače 18/26 cm	attic beams 18/26 cm	/
3.9	K 9	Građevinska daska - fosna 4,8/25/400 cm	Fir board 4,8/25/400 cm	SRPS EN 1611-1
3.10	K 10	Krovna daska od čamove rezane građe 2,4-2,5/15 cm, isporučuje se dužine l=3,0 metra	Roof fir board 2,4-2,5/15 cm, lenght l=3,0 m	SRPS EN 1611-1
3.11	K 11	Krovna letva od čamove rezane građe 3 / 5 cm , isporučuje se dužine l=3,0 metra	Fir batten 3 / 5 cm , lenght l=3,0 m	SRPS EN 1611-1
3.12	K 12	OSB3 vlagoootporne konstruktivne ploče d=18 mm / dim. 2440 x 1220	OSB3 moisture resistant structural panels d=18 mm / dim. 2440 x 1220	SRPS EN 13986
3.13	K 13	Standardne gips kartonske ploče - Tip A dimenzije: 1200-1250 x 2000 mm	Standard plasterboard table - Type A dim: 1200-1250 x 2000 mm	SRPS EN 520

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Osnovni standardi/ STANDARDS
3.14	K 14	Vlagootporne gips kartonske ploče - Tip H2 dimenzije: 1200-1250 x 2000 mm	Moisture resistant Plasterboard - Type H2 dim: 1200-1250 x 2000 mm	SRPS EN 520
3.15	K 15	Čelični pocinkovani i farbani olučni elementi prečnika: Ø 100 mm dužine 600 cm	Galvanized steel and painted gutter elements diameter: Ø 100 mm length 600 cm	SRPS EN 10025
3.15.1	A	Horizontalni polukružni element+ prateći paket uz svaki komad elementa. Sadržaj paketa pratećih elemenata horizontalnog oluka. Jedan paket sadrži: čelo (forkop) - 1 komad, kuka preseka 3-5/20-50mm- 10 komada. Čelični pocinkovani elementi farbani u boji oluka.	Horizontal semicircular element + accompanying package with each piece of element. Content of the accompanying elements of the horizontal gutter. One package contains: forehead (forkop) - 1 piece, hook cross section 3-5 / 20-50mm- 10 pieces. Steel galvanized elements color gowns.	/
3.15.2	B	Vertikalni kružni oluk + prateći paket uz svaki komad elementa Sadržaj paketa pratećih elemenata vertikalnog oluka. Jedan paket sadrži: kotlič- 1 komad, koleno 72°-3 komada, obujmica (šelna)-4 komada. Čelični pocinkovani elementi farbani u boji oluka.	Vertical circular gutter + accompanying package with each piece of element Package contents of the accompanying elements of the vertical gutter. One package contains: kettle- 1 piece, knee 72 ° -3 pieces, clamp (heel) -4 pieces. Steel galvanized elements color gowns.	/

4	P	MATERIJAL ZA PODOVE, LAMINAT, PLOČICE I XPS	FLOORING, LAMINATE, TILES AND XPS	
4.1	P 1	Unutrašnje podne keramičke pločice Min. dimenzije pločica: 200x300 mm	Floor tiles for inside Min. tile size: 200x300 mm	SRPS EN 14411
4.2	P 2	Unutrašnje zidne keramičke pločice Min. dimenzije pločica: 200x300 mm	Wall tiles for inside Min. tile size: 200x300 mm	SRPS EN 14411
4.3	P 3	Lepak za keramičke pločice Fleksibilni, polimer-cementni lepak	Glue for ceramic tiles Flexible, polymer-cement glue	SRPS EN 12004
4.4	P 4	Fleksibilna masa za fugovanje Vodooodbojna fug masa na bazi cementa	Flexible mass for grouting Waterproof grout cement based	SRPS EN 13888
4.5	P 5	Laminat - jakopresovani (HLP) sa klik sistemom, dezen: hrast natur (prirodni)	Laminate (HLP) with click system, design: oak natural (natural)	SRPS EN 438
4.6	P 6	Lajsne za laminat od medijapanu materijal: medijapan / MDF	Moldings for laminate MDF Material: MDF / MDF	/
4.7	P 7	Podloga za laminat od polietilenske pene Sunderasta podloga za laminat	The base for laminate of polyethylene foam Foam base for laminate	/
4.8	P 8	Cementni suvi estrih (cementna košuljica). Pripremljeno cementno praškasto vezivo	Cement dry screed (cement screed) Prepared cement powder binder	SRPS EN 13813
4.9	P 9	Građevinska PVC folija Za razdvajanje cementne košuljice od termo izolacije.	PVC foil for construction. To separate the cement screed of thermal insulation.	/

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Osnovni standardi/ STANDARDS
4.10	P 10	Stirodur (XPS za izolaciju na podovima) ploča od ekstrudirane polistirenske pene	Stirodur (XPS insulation for floors) panel of extruded polystyrene foam	SRPS EN 13164
4.10.1	A	deblijine d=2 cm	d=2 cm	/
4.10.2	B	deblijine d=5 cm	d=5 cm	/

5	F	MATERIJAL ZA IZRADU FASADE	FACADE MATERIAL	
5.1	F 1	EPS za termoizolaciju fasadnih zidova ploča od ekspandiranog polistirena	Thermal insulation for facade walls (EPS) plates made of expanded polystyrene	SRPS EN 13163
5.1.1	A	deblijina d=8 cm	d=8 cm	/
5.1.2	B	deblijina d=10 cm	d=10 cm	/
5.1.3	C	deblijina d=12 cm	d=12 cm	/
5.1.4	D	deblijina d=14 cm	d=14 cm	/
5.2	F 2	Građevinski lepak za EPS ploče cementni lepak namenjen za lepljenje ploča od ekspandiranog polistirena (EPS) i armiranje armaturne (rabic) mrežice	Construction glue for EPS plates cement adhesive for gluing plates made of expanded polystyrene (EPS) and reinforcing wire (rabic) net	SRPS EN 1015-10 SRPS EN 1015-11 SRPS EN 1015-19 SRPS EN 13494 SRPS EN 13494
5.3	F 3	Armaturna (rabic) staklena mrežica. Visokokvalitetna alkalno postojana staklena mrežica	Reinforcing (rabic) fiberglass mesh High quality alkali resistant fiberglass mesh	SRPS F.S2.015 SRPS F.S2.015 SRPS F.S2.015 SRPS F.S2.016
5.4	F 4	Aktivni predpremaz pre nanošenja tankoslojnog fasadnog maltera. predpremaz za izjednačavanje upijanja - podloga	Active primer before applying the thin-layer plaster primer for the equalization of absorption surface	/
5.5	F 5	Fasadni tankoslojni akrilni malter Završni malter u pastoznom stanju, namenjen za zaštitu fasadnih zidnih površina	Facade thin-layer acrylic plaster Finishing plaster in paste-like state, intended for the protection of facade wall surfaces	SRPS EN ISO 7783 SRPS EN 1542
5.5.1	A	boja približna RAL 1034 -kajsija	color similar to RAL 1034-apricot	/
5.5.2	B	boja približna RAL 6005 -pastelno zelena	color similar to RAL 6005 pastel-green	/
5.5.3	C	boja približna RAL 5023 -pastelno plava	color similar to RAL 5023 pastel-blue	/
5.5.4	D	boja približna RAL 3011 -pastelno crvena	color similar to RAL 3011 pastel-red	/
5.5.5	E	boja približna RAL 8002 -braon	color similar to RAL 8002 brown	/

6	H	MATERIJAL ZA HIDRO IZOLACIJE	WATERPROOFING MATERIAL	
6.1	H 1	Bitulit (prethodni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	Bitulit (previous coating for waterproofing) It is used as delivered (cold process) without heating	SRPS U.M3.240
6.2	H 2	Poliazbitol (hladni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	POLYASBITOL (cold coating for waterproofing) It is used as delivered (cold process) without heating	SRPS U.M3.240

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Osnovni standardi/ STANDARDS
6.3	H 3	Ter papir Bitumenska hidroizolaciona traka.	Ter paper Bituminous waterproofing tape.	SRPS EN 13859-1
6.4	H 4	Kondor V-3 (hidroizolaciona traka) Plastomer-bitumenska traka, uložak stakleni voal, debljina: ≥ 3 mm	Condor V-3 (waterproof tape) Plastomer-bituminous tape, glass mat, thickness: ≥ 3 mm	SRPS EN 13969

7	S	STOLARIJA	DOORS AND WINDOWS	
7.1	S 1	Ulazna vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	Entrance door of PVC (set position) Profile color: white RAL 9003 Number of chambers: ≥ 5 chambers width x height (masonry measures)	SRPS EN 14351-1
7.1.1	A	JK 90x210 cm - Leva 90 cm	one wing 90x210 cm - Left 90 cm	/
7.1.2	B	JK 90x210 cm - Desna 90 cm	one wing 90x210 cm - Right 90 cm	/
7.1.3	C	DK 120x210 cm - Leva 90+30 cm	two wings 120x210 cm - Left 90+30 cm	/
7.1.4	D	DK 120x210 cm - Desna 90+30 cm	two wings 120x210 cm - Right 90+30 cm	/
	E	JK 90x200 cm - Leva 90 cm	JK 90x200 cm - Left 90 cm	
	F	JK 90x200 cm - Desna 90 cm	JK 90x200 cm - Right 90 cm	
	G	DK 120x200 cm - Leva 90+30 cm	DK 120x200 cm -Left 90+30 cm	
	H	DK 120x200 cm - Desna 90+30 cm	DK 120x200 cm - Right 90+30 cm	
7.2	S 2	Prozori od PVC-a (komplet pozicija). Vertikalno i horizontalno otvaranje, boja profila: bela RAL 9003, broj komora: ≥ 5 komora širina x visina (zidarske mere)	Windows made of PVC (set position) Vertical and horizontal opening, color profile: white RAL 9003, the number of chambers: ≥ 5 chambers width x height (masonry measures)	SRPS EN 14351-1
7.2.1	A	JK 60x60 cm	one wing 60x60 cm	/
7.2.2	B	JK 80x80 cm	one wing 80x80 cm	/
7.2.3	C	JK 80x120 cm	one wing 80x120 cm	/
7.2.4	D	JK 80x140 cm	one wing 80x140 cm	/
7.2.5	E	JK 100x120 cm	one wing 100x120 cm	/
7.2.6	F	JK 100x140 cm	one wing 100x140 cm	/
7.2.7	G	DK 120x120 cm	two wings 120x120 cm	/
7.2.8	H	DK 120x140 cm	two wings 120x140 cm	/
7.2.9	I	DK 140x120 cm	two wings 140x120 cm	/
7.2.10	J	DK 140x140 cm	two wings 140x140 cm	/
7.2.11	K	DK 160x120 cm	two wings 160x120 cm	/
7.2.12	L	DK 160x140 cm	two wings 160x140 cm	/

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Osnovni standardi/ STANDARDS
7.3	S 3	Krovni prozor sa aluminijumskom opšivkom od laminirane i impregnirane čamove građe	Roof window with aluminum flashings of laminated and impregnated fir timber	SRPS EN 14351-1
7.3.1	A	dimenzije 66 x 118 (širina x visina)	66 x 118 (width x height)	/
7.3.2	B	dimenzije 78 x 98 (širina x visina)	78 x 98 (width x height)	/
7.3.3	C	dimenzije 78 x 118 (širina x visina)	78 x 118 (width x height)	/
7.4	S 4	Balkonska vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	Balcony doors from PVC (set position) Profile color: white RAL 9003 Number of chambers: ≥ 5 chambers width x height (masonry measures)	SRPS EN 14351-1
7.4.1	A	JK 90x210 cm - Leva		/
7.4.2	B	JK 90x210 cm - Desna		/
7.4.3	C	DK 140x210 cm		/
	D	JK 90x200 cm - Leva		/
	F	JK 90x200 cm - Desna		/
	G	DK 140x200 cm		/
7.5	S 5	Unutrašnja vrata sa ispunom od kartonskog sača (komplet pozicija). širina x visina (spoljna mera futera)	Internal doors filled with cardboard honeycomb (set position) width x height (external measures footer)	/
7.5.1	A	70x205 cm - Leva (dubina štoka 0-16 cm)	70x205 cm - Left (depth door 0-16 cm)	/
7.5.2	B	70x205 cm - Leva (dubina štoka 16-30 cm)	70x205 cm - Left (depth door 16-30 cm)	/
7.5.3	C	70x205 cm - Desna (dubina štoka 0-16 cm)	70x205 cm - Right (depth door 0-16 cm)	/
7.5.4	D	70x205 cm - Desna (dubina štoka 16-30 cm)	70x205 cm - Right (depth door 16-30 cm)	/
7.5.5	E	80x205 cm - Leva (dubina štoka 0-16 cm)	80x205 cm - Left (depth door 0-16 cm)	/
7.5.6	F	80x205 cm - Leva (dubina štoka 16-30 cm)	80x205 cm - Left (depth door 16-30 cm)	/
7.5.7	G	80x205 cm - Desna (dubina štoka 0-16 cm)	80x205 cm - Right (depth door 0-16 cm)	/
7.5.8	H	80x205 cm - Desna (dubina štoka 16-30 cm)	80x205 cm - Right (depth door 16-30 cm)	/
7.5.9	I	90x205 cm - Leva (dubina štoka 0-16 cm)	90x205 cm - Left (depth door 0-16 cm)	/

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Osnovni standardi/ STANDARDS
7.5.10	J	90x205 cm - Leva (dubina štoka 16-30 cm)	90x205 cm - Left (depth door 16-30 cm)	/
7.5.11	K	90x205 cm - Desna (dubina štoka 0-16 cm)	90x205 cm - Right (depth door 0-16 cm)	/
7.5.12	L	90x205 cm - Desna (dubina štoka 16-30 cm)	90x205 cm - Right (depth door 16-30 cm)	/

8	D	OSTALA OPREMA I MATERIJAL	OTHER EQUIPMENT AND SUPPLIES	
8.1	D 1	Jednostruki dimnjak prečnika Φ 140 mm. Trošlojni montažni dimnjački sistem namenjen za sve ložišta i sve vrste goriva, bez ventilacije. Sastavljen je od: dimnjačke cevi od tehničke keramike, izolacije oko cevi dimnjaka od kamene vune minimalne specifične težine 80kg/m ³ , spoljnog dimnjačkog plašta od lakog betona, vatrostalnog lepka u kartušama, vatrootpornih i gasnonepropusnih atestiranih trošlojnih vratanača, kondenz posude, priključaka za reviziju i ložišta, krovne ploče od staklo betona, nosača tervola i tvrdih tervol ploča za priključke, ventilacione rešetke, dilatacione rozete od nerđajućeg čelika. Spoljna dimenzija dimnjačkog plašta za f14cm=32x32cm.	A single chimney diameter 140 mm. Three-layer prefabricated chimney system designed for all furnaces and all types of fuel, with no ventilation. It is composed of: chimney pipe of technical ceramics, pipe insulation around the chimney of stone wool minimum specific weight of 80kg/m ³ , external chimney mantle of lightweight concrete, refractory adhesive in cartouches, fireproof and gas impermeable certified three-layer side door, condensate pots, connectors for the audit and furnaces, roof tiles of glass concrete girders Tervola and hard tervol plate connections, ventilation grilles, rosettes expansion of stainless steel. The external dimensions of the chimney sleeve f14cm = 32x32cm.	SRPS EN 13063-1

9	V	Vodovod Kanalizacija Oprema	WATER SUPPLY AND SEWAGE	
		Vodovod	WATER SUPPLY	
9.1	V 1	Vodovodne polietilenske cevi PE 100 PN16 za radni pritisak 16 bara (SDR 11)	Water supply polyethylene pipe PE 100 PN16 the working pressure of 16 bar (SDR 11)	SRPS EN 12201 SRPS ISO 4427
9.1.1	A	d25 (s min. 2,3) - 3/4"	d25 (s min. 2,3) - 3/4"	/
9.1.2	B	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	/
9.1.3	C	d40 (s min. 3,7) - 5/4"	d40 (s min. 3,7) - 5/4"	/
9.2	V 2	Vodovodne cevi PP-R 80 PN20 za radni pritisak 20 bara, bele ili zelene boje (materijal: polipropilen-random kapolimer)	Water pipe PP-R 80 PN20 the working pressure of 20 bar, white or green (material: polypropylene random kapolimer)	SRPS EN ISO 15874-2
9.2.1	B	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	/
9.2.2	C	d25 (s min. 4,2) - 3/4"	d25 (s min. 4,2) - 3/4"	/
9.2.3	D	d32 (s min. 5,4) - 1"	d32 (s min. 5,4) - 1"	/
9.3	V 3	Vodomjer sa prirubnicama, holenderima i pripadajućom opremom za montažu, za pritisak do 16 bara	water gauge flanges, unions and associated equipment for assembly, for pressure up to 16 bar	ISO 4064
9.3.1	A	horizontalni 3/4"	Horizontal 3/4"	/
9.3.2	B	horizontalni 1"	Horizontal 1"	/
9.3.3	C	horizontalni 5/4"	Horizontal 5/4"	/
9.4	V 4	Ravni propusni ventil sa ogrankom za pražnjenje	Skip straight valve with a branch drain	
9.4.1	A	d25 (s min. 2,3) - 3/4"	d25 (s min. 2,3) - 3/4"	/
9.4.2	B	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	/
9.5	V 5	Propusni ventil za uzidanje sa kapom	Gate valve for the wall with cap	
9.5.1	A	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	/
9.5.2	B	d25 (s min. 4,2) - 3/4"	d25 (s min. 4,2) - 3/4"	/
9.5.3	C	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	/
9.6	V 6	Ugaoni "EK" sa kapom	Angle valve "EK" with cap	
9.6.1	A	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	/
9.7	V 7	Termička izolacija vodovodnih cevi -tipa plamaflex ISO ili sl.	Thermal insulation of water pipes-type PLAMAFLEX ISO etc..	
9.7.1	B	d20 (22/9) - 1/2"	d20 (22/9) - 1/2"	/
9.7.2	C	d25 (25/9) - 3/4"	d25 (25/9) - 3/4"	/
9.7.3	D	d32 (35/9) - 1"	d32 (35/9) - 1"	/
		Kanalizacija	SEWAGE	

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Osnovni standardi/ STANDARDS
9.8	V 8	PVC kanalizacione cevi SDR 41 / SN4 / PN5 za spoljni razvod, kućna i ulična kanalizacija	PVC sewer pipe SDR 41 / CH4 / PN5 for external distribution, household and street sewage	SRPS EN 1401 SRPS EN 13476 DIN 19531
9.8.1	A	d110 (s min. 3,2) dužina 6,0m	d110 (s min. 3,2) length 6,0m	/
9.8.2	B	d160 (s min. 4,0) dužina 6,0m	d160 (s min. 4,0) length 6,0m	/
9.9	V 9	Plastične PP cevi SDR 51 / SN2 / PN4 za unutrašnji (kućni) razvod, kućna kanalizacija	Plastic PP pipes SDR 51 / SN2 / PN4 for internal (home) distribution, household sewage	SRPS EN 1451 DIN 4102
9.9.1	A	d50 (s min. 1,8) dužina 3,0m	d50 (s min. 1,8) length 3,0m	/
9.9.2	B	d75 (s min. 1,9) dužina 3,0m	d75 (s min. 1,9) length 3,0m	/
9.9.3	C	d110 (s min. 2,7) dužina 3,0m	d110 (s min. 2,7) length 3,0m	/
9.10	V 10	Plitki PE podni sливник d50 sa horizontalnim odvodom dimenzija 150x150mm	Shallow PE floor drain with horizontal outlet d50 size 150x150mm	SRPS EN 274
9.11	V 11	Zidni sifoni sa odvodnom mesinganom cevi d32 (mašina za pranje veša i sudova)	Wall siphon with drainage brass tubes d32 (washing machines, dishwashers)	SRPS EN 274
		Oprema u kupatilu	BATHROOM EQUIPMENT	
9.12	V 12	WC šolja od keramike I klase	Ceramic toilet bowl class 1	SRPS EN 34
9.13	V 13	Niskomontažni plastični predzidni vodokotlić za nisku montažu iznad wc šolje sa plovkom i svim potrebnim delovima za funkcionišanje vodokotlića	Low mounting plastic-wall toilet tank for low installation above the toilet bowl float and all the parts required for the operation of flushing	SRPS EN 34
9.14	V 14	Umivaonikom sa stubom od keramike I klase	Washbasin with ceramic pillar class 1	SRPS EN 14688
9.15	V 15	Pravougaona akrilna tuš kada dimenzija 90x90cm sa odlivnim ventilom	Rectangular acrylic shower size 90x90cm with discharge valve	SRPS EN 14527
9.16	V 16	Električni akumulacioni bojler 50l vertikalni grejač 2 kW, napon 230V, kazan izrađen od emajliranog lima, sa pratećim materijalom za ugradnju	Electric storage water heater 50l vertical heater 2 kW, 230V, caldron made of enameled steel, with supporting material for installation	SRPS EN 55014 SRPS EN 61000
9.17	V 17	Ogledalo sa etažerom (iznad umivaonika) četvrtasto, min. dimenzija 80x60cm	Mirror with shelf above wash basin square, min. 80x60cm	/
9.18	V 18	Baterije (slavine) hromirane baterije za hladnu i toplu vodu	Lever chrome lever for cold and hot water	SRPS M.C5.800
9.18.1	A	za umivaonik jednoručna stoeća	For washbasin single lever basin standing	/
9.18.2	B	za tuš kadu (sa tuš ručicom i tuš crevom) jednoručna sa poniklovanim savitljivim crevom	For shower bath (with shower head and shower hose) Single lever with nickel hoses	/
9.18.3	C	za mašinu za veš i sudove, holender slavina DN20/15, s pripadajućom opremom za ugradnju	for washing machine and dishwasher, union DN20/15 taps, and all the equipment for installation	/
		Oprema u kuhinji	KITCHEN EQUIPMENT	
9.19	V 19	Korito sudopere od "Inox "-a (dvodelno) (izrađeno od plemenitog nerđajućeg čelika) orjenacione dimenzije: 780 x 435 x 150 mm	kitchen sink "Inox" two-part (made of stainless steel) approx. dim: 780 x 435 x 150 mm	SRPS EN 13310 SRPS EN 695

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Osnovni standardi/ STANDARDS
9.20	V 20	Električni akumulacioni bojler 5l za ugradnju iznad sudopere, vertikalni grejač 2 kW, napon 230V, kazan izrađen od plastike sa pratećim materijalom za ugradnju	Electric storage water heater 5l Fitting over the sink, vertical heater 2 kW, 230V, caldron made of plastic with the materials for installation	SRPS EN 55014 SRPS EN 61000
9.21	V 21	Baterija za sudoperu jednoručna stoeća hromirana baterija za hladnu i toplu vodu	Sink-standing single lever chrome mixer for hot and cold water	SRPS M.C5.800

10	E	ELEKTRO MATERIJAL I OPREMA	Electrical materials and equipment	
		Kablovi i kablovski pribor	Electrical cables and cable accessories	
10.1	E 1	Napojni kablovi	Power cables	
10.1.1	A	X00-A 4x16 mm ²	X00-A 4x16 mm ²	/
10.1.2	B	PP00-Y 5x6 mm ²	PP00-Y 5x6 mm ²	/
10.1.3	C	PP00-Y 5x10 mm ²	PP00-Y 5x10 mm ²	/
10.2	E 2	Instalacioni kablovi	Installation cables	
10.2.1	A	PP-Y 3x1,5 mm ²	PP-Y 3x1,5 mm ²	/
10.2.2	B	PP-Y 4x1,5 mm ²	PP-Y 4x1,5 mm ²	/
10.2.3	C	PP-Y 3x2,5 mm ²	PP-Y 3x2,5 mm ²	/
10.2.4	D	PP-Y 5x2,5 mm ²	PP-Y 5x2,5 mm ²	/
10.3	E 3	Instalacione PVC cevi	PVC pipe for installations of cables	
10.3.1	A	fi 16mm ²	fi 16mm ²	/
10.3.2	B	fi 50mm ²	fi 50mm ²	/
		Razvodne table i oprema	The junction boards and equipment	
10.4	E 4	Razvodna tabla Stanska, za ugradnju na zid sa transparentnim vratima, sa mestom za 18 modula, DIN šinom, IP40 Razvodna tabla sadrži :	Junction board (for flat) for wall mounting with transparent door, with space for 18 modules, DIN rail, IP40 Junction board contains:	/
10.5	E 5	Jednopolni instalacioni prekidač (automatski osigurač) za montažu na DIN šinu nom. napona 230V/400V, 50Hz; karakteristike B; prekidne moći 6kA:	Single-pole fuse (Automatic fuse) for mounting on DIN rail nom. voltage 230V/400V, 50Hz, features B; breaking capacity 6kA:	/
10.5.1	A	nazivne struje 6A	rated current of 6A	/
10.5.2	B	nazivne struje 10A	rated current of 10A	/
10.5.3	C	nazivne struje 16A	rated current of 16A	/
10.6	E 6	Signalna sijalica za signalizaciju tarife 230V za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	The indicator lamp for signaling rates 230V for use in flat junction board, mounting on DIN rail	/
10.7	E 7	FID sklopka za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	FID switch for installation in junction board, mounting on DIN rail	/
10.7.1	A	16A/30mA, 2-polna, 230V, 50Hz;	16A/30mA, 2-pole, 230V, 50Hz;	/
10.7.2	B	25A/0,5A, 4-polna, 230V/400V, 50Hz;	25A / 0,5 A, 4-pole, 230V/400V, 50Hz;	/
10.8	E 8	Instalaciono zvono 230V, 50Hz; za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	Bell 230V, 50Hz, for use in junction board, mounting on DIN rail	/
		Instalacioni materijal	Installation material	
10.9	E 9	Instalaciona kutija za ugradnju u završnu obradu zida	Installation box for installation in the wall	
10.9.1	A	fi 60 mm	fi 60 mm	/
10.9.2	B	fi 78 mm	fi 78 mm	/
10.9.3	C	100x100mm	100x100mm	/
10.10	E 10	Instalaciona priključnica IP20 za ugradnju u završnu obradu zida sa zaštitnim kontaktom	Installation socket IP20 for installation in the wall with a protection contact	
10.10.1	A	16A, monofazna, 250 V	16A, single-phase, 250 V	/
10.10.2	B	16A, monofazna, dupla, 250 V	16A, single-phase, double, 250 V	/
10.10.3	C	16A, trofazna, 400V	16A, three-phase, 400V	/
10.11	E 11	Instalaciona priključnica IP43 sa poklopcom za ugradnju u završnu obradu zida, sa zaštit. kontaktom, 16A, monofazna, 250 V	Installation socket IP43 with cover for use in wall with protection. contact, 16A, single-phase, 250 V	
10.12	E 12	Prekidači IP20 za ugradnju u završnu obradu zida	Switches IP20 for installation in wall	
10.12.1	A	običan, 10A	regular, 10A	/
10.12.2	B	serijski, 10A	serial, 10A	/
10.12.3	C	za zvono	for bell	/
10.12.4	D	Instalacioni prekidač "KIP" 16A	Installation switch "KIP" 16A	/

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Osnovni standardi/ STANDARDS
10.13	E 13	Indikator za kupatilo sa tri sklopke 16A i signalnim sijalicama	The indicator for the bathroom Three switches 16A and signal lights	
		Svetiljke	Lighting	
10.14	E 14	Svetiljka za montažu na plafon sa inkadescentnom sijalicom 60W, E-27,	Luminaire to be mounted on the ceiling with a 60W incandescent bulb, E-27	
10.14.1	A	IP 43 za sanitarni čvor	IP 43 for toilet	/
10.14.2	B	IP 20 za unutrašnje prostorije	IP 20 for indoor rooms	/
	E	Instalacija uzemljenja i gromobrana	Earthing and lightning protection	
10.15	E 15	Pocinkovana traka	Galvanized strip	
10.15.1	A	FeZn 25x4mm	FeZn 25x4mm	/
10.15.2	B	FeZn 20x3mm	FeZn 20x3mm	/
10.16	E 16	SIP ormarić (PS49) sa sabirnicom za izjednačenje potencijala	SIP boxes (PS 49) with bonding	
10.17	E 17	Provodnici za uzemljenje	Grounding conductors	
10.17.1	A	PP00-Y 1x16mm2	PP00-Y 1x16mm2	/
10.17.2	B	P/F-Y 1x6mm2	P/F-Y 1x6mm2	/
10.17.3	C	P/F-Y 1x4mm2	P/F-Y 1x4mm2	/
	E F	Instalacija slabe struje	Installation of low voltage	
10.18	E 18	Antenski koaksijalni kabl RG 6	Antenna Coaxial Cable RG 6	
10.19	E 19	Telefonski kabl sa bakarnim provodnicima IY(St)Y 2x2x0.8mm	Telephone cable with copper conductors IY (St) Y 2x2x0.8mm	
10.20	E 20	Priklučnice	Connectors	
10.20.1	A	Telefonska - RJ11 za montažu u dozni fi 60mm	Phone - RJ11 for mounting in enclosure fi 60mm	/
10.20.2	B	RTV priključnica za montažu u dozni fi 60mm	RTV connector for mounting in enclosure fi 60 mm	/

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Jed. prod./ UNIT
1	A	OSNOVNI GRAĐEVINSKI MATERIJAL	BASIC BUILDING MATERIALS	
1.1	O 1	Cement za betone do MB 30	Cement for concrete up to 30 MB	kg
1.2	O 2	Hidratisani gašeni kreč pripremljen u prahu	Hydrated slaked lime powdered	kg
1.3	O 3	Rebrasto betonsko gvožđe (RA)	Ribbed reinforcement steel	/
1.3.1	A	10 mm - dužine 12m	10 mm - length 12m	kg
1.3.2	B	12 mm - dužine 12m	12 mm - length 12m	kg
1.3.3	C	14 mm - dužine 12m	14 mm - length 12m	kg
1.3.4	D	16 mm - dužine 12m	16 mm - length 12m	kg
1.4	O 4	Glatko betonsko gvožđe (GA)	Glibly reinforcement steel	/
1.4.1	B	8 mm - dužine 12m	8 mm - length 12m	kg
1.4.2	C	10 mm - dužine 12m	10 mm - length 12m	kg
1.5	O 5	Armatura betonska mreža dim. (dxš) 6000 x 2150 = 12,9 m2/kom	Reinforcement mesh dim. (lxw) 6000 x 2150 = 12,9 m2/pcs	/
1.5.1	A	Q84 /4x4/150x150/	Q84 /4x4/150x150/	kg
1.5.2	B	Q131 /5x5/150x150/	Q131 /5x5/150x150/	kg
1.5.3	C	Q188 /6x6/150x150/	Q188 /6x6/150x150/	kg
1.5.4	D	Q283 /6x6/100x100/	Q283 /6x6/100x100/	kg
1.5.5	E	Q335 /8x8/150x150/	Q335 /8x8/150x150/	kg
2	Z	MATERIJAL ZA ZIDANJE, MALTERISANJE, GLETOVANJE I FARBANJE	MASONRY, PLASTERING FAIRING AND PAINTING MATERIAL	
2.1	Z 1	Giter blok (d/š/v) 250x190x190 mm	Gitter block (l/w/h) 250x190x190 mm	kom/pcs
2.2	Z 2	Giter polublok (12cm) (d/š/v) 250x120x190mm	Gitter half block (12cm) (l/w/h) 250x120x190mm	kom/pcs
2.3	Z 3	Opeka puna (d/š/v) 250x120x65 mm	Brick (full-without holes) (l/w/h) 250x120x65 mm	kom/pcs
2.4	Z 4	Blok od porobetona za pregradni zid (d/š/v) 625x200x200 mm	Aerated concrete block for partition wall (l/w/h) 625x200x200 mm	kom/pcs
2.5	Z 5	Fert nosači (gredice) Dužina nosača je jednak dužini binora = širina otvora između zidova + 30 cm. Broj gredica = dužina prostorije x 0,40	Fert beams Boom length is equal to the length of Binor = width of the openings between the walls + 30 cm. Number of beams = length of room x 0.40	/
2.5.1	A	0,00-3,90 m	0,00-3,90 m	m1
2.5.2	B	3,91-4,50 m	3,91-4,50 m	m1
2.5.3	C	4,51-4,90 m	4,51-4,90 m	m1
2.5.4	D	4,91-5,30 m	4,91-5,30 m	m1
2.5.5	E	5,31-5,90 m	5,31-5,90 m	m1
2.5.6	F	5,91-6,30 m	5,91-6,30 m	m1
2.6	Z 6	Fert ispuna (d/š/v) 245x285/275x160 mm	Fert fillings (l/w/h) 245x285/275x160 mm	kom/pcs
2.7	Z 7	Malter za zidanje Pripremljeno krečno - cementno vezivo	Mortar for masonry Prepared lime - cement binder	kg
2.8	Z 8	Malter za malterisanje Pripremljeno krečno - cementno vezivo	Mortar for plastering Prepared lime - cement binder	kg
2.9	Z 9	Krečna glet masa Bezcementna krečna masa za gletovanje	Lime smoothing mass No cement lime compound for smoothing	kg

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Jed. prod./ UNIT
2.10	Z 10	Poludisperzivna boja Poludisperziona boja razrediva vodom	Semi dispersion paint	kg

3	K	MATERIJAL ZA KROVNU KONSTRUKCIJU, KROVNI POKRIVAČ, OSB I GIPS KARONSKE TABLE	ROOF CONSTRUCTION AND ROOFING MATERIAL, OSB AND PLASTERBOARD TABLE	
3.1	K 1	Presovani glineni crep I klase dimenzija: 400-450x245-275 mm	Pressed clay tiles class 1 dim: 400-450x245-275 mm	kom/pcs
3.2	K 3	Biber crep I klase dimenzija: 180-200x380-400 mm	Biber clay tiles class 1 dim. 180-200x380-400 mm	kom/pcs
3.3	K 2	Slameni crep I klase (žlebjnjak)	Ridge clay tiles class 1	kom/pcs
3.4	K 4	Paropropusna i vodonepropusna krovna folija kontrola vodene pare iznad termoizolacije	Vapour permeable and waterproof roof sheeting control of water vapor above the insulation	m2
3.5	K 5	Staklena mineralna vuna termoizolacija potkrovila između rogova	Glass Mineral Wool loft insulation between the rafters	/
3.5.1	A	debljina d=10 cm	thickness d=10 cm	m2
3.5.2	B	debljina d=12 cm	thickness d=12 cm	m2
3.5.3	C	debljina d=14 cm	thickness d=14 cm	m2
3.6	K 6	Parna brana kontrola vodene pare ispod termoizolacije	Vapor barrier control of water vapor below the insulation	m2
3.7	K 7	Čamova rezana građa različitog preseka dužine 400 cm	Fir lumber of different cross-section length 400 cm	/
3.7.1	A	Rog/Venčanica/Raspinjača 10/12 cm	rafters / wall plate / ridge collar 10/12 cm	m3
3.7.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	column / pile / hip rafter / ridge 12/14 cm	m3
3.7.3	C	Stub/Grebenjača 14/14 cm	column / hip rafter 14/14 cm	m3
3.7.4	H	Tavanjače 18/26 cm	attic beams 18/26 cm	m3
3.8	K 8	Čamova rezana građa različitog preseka dužine 600 cm	Fir lumber of different cross-section length 600 cm	/
3.8.1	A	Rog/Venčanica/Raspinjača 10/12 cm	rafters / wall plate / ridge collar 10/12 cm	m3
3.8.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	column / pile / hip rafter / ridge 12/14 cm	m3
3.8.3	C	Stub/Grebenjača 14/14 cm	column / hip rafter 14/14 cm	m3
3.8.4	D	Rožnjača 14/16 cm	Purlin 14/16 cm	m3
3.8.5	E	Kosnik/Pajanta 10/10 cm	Strut 10/10 cm	m3
3.8.6	F	Klešta 6/12 cm	Collar tie 6/12 cm	m3
3.8.7	G	Krovna štafla 5/8 cm	Roof battens 5/8 cm	m3
3.8.8	H	Tavanjače 18/26 cm	attic beams 18/26 cm	m3
3.9	K 9	Građevinska daska - fosna 4,8/25/400 cm	Fir board 4,8/25/400 cm	m3
3.10	K 10	Krovna daska od čamove rezane građe 2,4-2,5/15 cm, isporučuje se dužine l=3,0 metra	Roof fir board 2,4-2,5/15 cm, lenght l=3,0 m	m3
3.11	K 11	Krovna letva od čamove rezane građe 3 / 5 cm , isporučuje se dužine l=3,0 metra	Fir batten 3 / 5 cm , lenght l=3,0 m	m1
3.12	K 12	OSB3 vlagoootporne konstruktivne ploče d=18 mm / dim. 2440 x 1220	OSB3 moisture resistant structural panels d=18 mm / dim. 2440 x 1220	kom/pcs
3.13	K 13	Standardne gips kartonske ploče - Tip A dimenzije: 1200-1250 x 2000 mm	Standard plasterboard table - Type A dim: 1200-1250 x 2000 mm	kom/pcs

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Jed. prod./ UNIT
3.14	K 14	Vlagootporne gips kartonske ploče - Tip H2 dimenzije: 1200-1250 x 2000 mm	Moisture resistant Plasterboard - Type H2 dim: 1200-1250 x 2000 mm	kom/pcs
3.15	K 15	Čelični pocinkovani i farbani olučni elementi prečnika: Ø 100 mm dužine 600 cm	Galvanized steel and painted gutter elements diameter: Ø 100 mm length 600 cm	/
3.15.1	A	Horizontalni polukružni element+ prateći paket uz svaki komad elementa. Sadržaj paketa pratećih elemenata horizontalnog oluka. Jedan paket sadrži: čelo (forkop) - 1 komad, kuka preseka 3-5/20-50mm- 10 komada. Čelični pocinkovani elementi farbani u boji oluka.	Horizontal semicircular element + accompanying package with each piece of element. Content of the accompanying elements of the horizontal gutter. One package contains: forehead (forkop) - 1 piece, hook cross section 3-5 / 20-50mm- 10 pieces. Steel galvanized elements color gowns.	kom/pcs
3.15.2	B	Vertikalni kružni oluk + prateći paket uz svaki komad elementa Sadržaj paketa pratećih elemenata vertikalnog oluka. Jedan paket sadrži: kotlić- 1 komad, koleno 72°-3 komada, obujmica (šelna)-4 komada. Čelični pocinkovani elementi farbani u boji oluka.	Vertical circular gutter + accompanying package with each piece of element Package contents of the accompanying elements of the vertical gutter. One package contains: kettle- 1 piece, knee 72 ° -3 pieces, clamp (heel) -4 pieces. Steel galvanized elements color gowns.	kom/pcs

4	P	MATERIJAL ZA PODOVE, LAMINAT, PLOČICE I XPS	FLOORING, LAMINATE, TILES AND XPS	
4.1	P 1	Unutrašnje podne keramičke pločice Min. dimenzije pločica: 200x300 mm	Floor tiles for inside Min. tile size: 200x300 mm	m2
4.2	P 2	Unutrašnje zidne keramičke pločice Min. dimenzije pločica: 200x300 mm	Wall tiles for inside Min. tile size: 200x300 mm	m2
4.3	P 3	Lepak za keramičke pločice Fleksibilni, polimer-cementni lepak	Glue for ceramic tiles Flexible, polymer-cement glue	kg
4.4	P 4	Fleksibilna masa za fugovanje Vodooodbojna fug masa na bazi cementa	Flexible mass for grouting Waterproof grout cement based	kg
4.5	P 5	Laminat - jakopresovani (HLP) sa klik sistemom, dezen: hrast natur (prirodni)	Laminate (HLP) with click system, design: oak natural (natural)	m2
4.6	P 6	Lajsne za laminat od medijapanu materijal: medijapan / MDF	Moldings for laminate MDF Material: MDF / MDF	m1
4.7	P 7	Podloga za laminat od polietilenske pene Sunderasta podloga za laminat	The base for laminate of polyethylene foam Foam base for laminate	m2
4.8	P 8	Cementni suvi estrih (cementna košuljica). Pripremljeno cementno praškasto vezivo	Cement dry screed (cement screed) Prepared cement powder binder	kg
4.9	P 9	Građevinska PVC folija Za razdvajanje cementne košuljice od termo izolacije.	PVC foil for construction. To separate the cement screed of thermal insulation.	m2

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Jed. prod./ UNIT
4.10	P 10	Stirodur (XPS za izolaciju na podovima) ploča od ekstrudirane polistirenske pene	Stirodur (XPS insulation for floors) panel of extruded polystyrene foam	/
4.10.1	A	debljine d=2 cm	d=2 cm	m2
4.10.2	B	debljine d=5 cm	d=5 cm	m2

5	F	MATERIJAL ZA IZRADU FASADE	FACADE MATERIAL	
5.1	F 1	EPS za termoizolaciju fasadnih zidova ploča od ekspandiranog polistirena	Thermal insulation for facade walls (EPS) plates made of expanded polystyrene	/
5.1.1	A	debljina d=8 cm	d=8 cm	m2
5.1.2	B	debljina d=10 cm	d=10 cm	m2
5.1.3	C	debljina d=12 cm	d=12 cm	m2
5.1.4	D	debljina d=14 cm	d=14 cm	m2
5.2	F 2	Građevinski lepak za EPS ploče cementni lepak namenjen za lepljenje ploča od ekspandiranog polistirena (EPS) i armiranje armaturne (rabic) mrežice	Construction glue for EPS plates cement adhesive for gluing plates made of expanded polystyrene (EPS) and reinforcing wire (rabic) net	kg
5.3	F 3	Armaturalna (rabic) staklena mrežica. Visokokvalitetna alkalno postojana staklena mrežica	Reinforcing (rabic) fiberglass mesh High quality alkali resistant fiberglass mesh	m2
5.4	F 4	Aktivni predpremaz pre nanošenja tankoslojnog fasadnog maltera. predpremaz za izjednačavanje upijanja - podloga	Active primer before applying the thin-layer plaster primer for the equalization of absorption surface	kg
5.5	F 5	Fasadni tankoslojni akrilni malter Završni malter u pastoznom stanju, namenjen za zaštitu fasadnih zidnih površina	Facade thin-layer acrylic plaster Finishing plaster in paste-like state, intended for the protection of facade wall surfaces	/
5.5.1	A	boja približna RAL 1034 -kajsija	color similar to RAL 1034-apricot	kg
5.5.2	B	boja približna RAL 6005 -pastelno zelena	color similar to RAL 6005 pastel-green	kg
5.5.3	C	boja približna RAL 5023 -pastelno plava	color similar to RAL 5023 pastel-blue	kg
5.5.4	D	boja približna RAL 3011 -pastelno crvena	color similar to RAL 3011 pastel-red	kg
5.5.5	E	boja približna RAL 8002 -braon	color similar to RAL 8002 brown	kg

6	H	MATERIJAL ZA HIDRO IZOLACIJE	WATERPROOFING MATERIAL	
6.1	H 1	Bitulit (prethodni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	Bitulit (previous coating for waterproofing) It is used as delivered (cold process) without heating	kg
6.2	H 2	Poliazbitol (hladni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	POLYASBITOL (cold coating for waterproofing) It is used as delivered (cold process) without heating	kg

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Jed. prod./ UNIT
6.3	H 3	Ter papir Bitumenska hidroizolaciona traka.	Ter paper Bituminous waterproofing tape.	m2
6.4	H 4	Kondor V-3 (hidroizolaciona traka) Plastomer-bitumenska traka, uložak stakleni voal, debljina: ≥ 3 mm	Condor V-3 (waterproof tape) Plastomer-bituminous tape, glass mat, thickness: ≥ 3 mm	m2

7	S	STOLARIJA	DOORS AND WINDOWS	
7.1	S 1	Ulazna vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	Entrance door of PVC (set position) Profile color: white RAL 9003 Number of chambers: ≥ 5 chambers width x height (masonry measures)	/
7.1.1	A	JK 90x210 cm - Leva 90 cm	one wing 90x210 cm - Left 90 cm	kom/pcs
7.1.2	B	JK 90x210 cm - Desna 90 cm	one wing 90x210 cm - Right 90 cm	kom/pcs
7.1.3	C	DK 120x210 cm - Leva 90+30 cm	two wings 120x210 cm - Left 90+30 cm	kom/pcs
7.1.4	D	DK 120x210 cm - Desna 90+30 cm	two wings 120x210 cm - Right 90+30 cm	kom/pcs
	E	JK 90x200 cm - Leva 90 cm	JK 90x200 cm - Left 90 cm	kom/pcs
	F	JK 90x200 cm - Desna 90 cm	JK 90x200 cm - Right 90 cm	kom/pcs
	G	DK 120x200 cm - Leva 90+30 cm	DK 120x200 cm -Left 90+30 cm	kom/pcs
	H	DK 120x200 cm - Desna 90+30 cm	DK 120x200 cm - Right 90+30 cm	kom/pcs
7.2	S 2	Prozori od PVC-a (komplet pozicija). Vertikalno i horizontalno otvaranje, boja profila: bela RAL 9003, broj komora: ≥ 5 komora širina x visina (zidarske mere)	Windows made of PVC (set position) Vertical and horizontal opening, color profile: white RAL 9003, the number of chambers: ≥ 5 chambers width x height (masonry measures)	/
7.2.1	A	JK 60x60 cm	one wing 60x60 cm	kom/pcs
7.2.2	B	JK 80x80 cm	one wing 80x80 cm	kom/pcs
7.2.3	C	JK 80x120 cm	one wing 80x120 cm	kom/pcs
7.2.4	D	JK 80x140 cm	one wing 80x140 cm	kom/pcs
7.2.5	E	JK 100x120 cm	one wing 100x120 cm	kom/pcs
7.2.6	F	JK 100x140 cm	one wing 100x140 cm	kom/pcs
7.2.7	G	DK 120x120 cm	two wings 120x120 cm	kom/pcs
7.2.8	H	DK 120x140 cm	two wings 120x140 cm	kom/pcs
7.2.9	I	DK 140x120 cm	two wings 140x120 cm	kom/pcs
7.2.10	J	DK 140x140 cm	two wings 140x140 cm	kom/pcs
7.2.11	K	DK 160x120 cm	two wings 160x120 cm	kom/pcs
7.2.12	L	DK 160x140 cm	two wings 160x140 cm	kom/pcs

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Jed. prod./ UNIT
7.3	S 3	Krovni prozor sa aluminijumskom opšivkom od laminirane i impregnirane čamove građe	Roof window with aluminum flashings of laminated and impregnated fir timber	/
7.3.1	A	dimenzije 66 x 118 (širina x visina)	66 x 118 (width x height)	kom/pcs
7.3.2	B	dimenzije 78 x 98 (širina x visina)	78 x 98 (width x height)	kom/pcs
7.3.3	C	dimenzije 78 x 118 (širina x visina)	78 x 118 (width x height)	kom/pcs
7.4	S 4	Balkonska vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	Balcony doors from PVC (set position) Profile color: white RAL 9003 Number of chambers: ≥ 5 chambers width x height (masonry measures)	/
7.4.1	A	JK 90x210 cm - Leva		kom/pcs
7.4.2	B	JK 90x210 cm - Desna		kom/pcs
7.4.3	C	DK 140x210 cm		kom/pcs
	D	JK 90x200 cm - Leva		kom/pcs
	F	JK 90x200 cm - Desna		kom/pcs
	G	DK 140x200 cm		kom/pcs
7.5	S 5	Unutrašnja vrata sa ispunom od kartonskog sača (komplet pozicija). širina x visina (spoljna mera futera)	Internal doors filled with cardboard honeycomb (set position) width x height (external measures footer)	/
7.5.1	A	70x205 cm - Leva (dubina štoka 0-16 cm)	70x205 cm - Left (depth door 0-16 cm)	kom/pcs
7.5.2	B	70x205 cm - Leva (dubina štoka 16-30 cm)	70x205 cm - Left (depth door 16-30 cm)	kom/pcs
7.5.3	C	70x205 cm - Desna (dubina štoka 0-16 cm)	70x205 cm - Right (depth door 0-16 cm)	kom/pcs
7.5.4	D	70x205 cm - Desna (dubina štoka 16-30 cm)	70x205 cm - Right (depth door 16-30 cm)	kom/pcs
7.5.5	E	80x205 cm - Leva (dubina štoka 0-16 cm)	80x205 cm - Left (depth door 0-16 cm)	kom/pcs
7.5.6	F	80x205 cm - Leva (dubina štoka 16-30 cm)	80x205 cm - Left (depth door 16-30 cm)	kom/pcs
7.5.7	G	80x205 cm - Desna (dubina štoka 0-16 cm)	80x205 cm - Right (depth door 0-16 cm)	kom/pcs
7.5.8	H	80x205 cm - Desna (dubina štoka 16-30 cm)	80x205 cm - Right (depth door 16-30 cm)	kom/pcs
7.5.9	I	90x205 cm - Leva (dubina štoka 0-16 cm)	90x205 cm - Left (depth door 0-16 cm)	kom/pcs

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Jed. prod./ UNIT
7.5.10	J	90x205 cm - Leva (dubina štoka 16-30 cm)	90x205 cm - Left (depth door 16-30 cm)	kom/pcs
7.5.11	K	90x205 cm - Desna (dubina štoka 0-16 cm)	90x205 cm - Right (depth door 0-16 cm)	kom/pcs
7.5.12	L	90x205 cm - Desna (dubina štoka 16-30 cm)	90x205 cm - Right (depth door 16-30 cm)	kom/pcs

8	D	OSTALA OPREMA I MATERIJAL	OTHER EQUIPMENT AND SUPPLIES	
8.1	D 1	Jednostruki dimnjak prečnika Φ 140 mm. Trošlojni montažni dimnjački sistem namenjen za sva ložišta i sve vrste goriva, bez ventilacije. Sastavljen je od: dimnjačke cevi od tehničke keramike, izolacije oko cevi dimnjaka od kamene vune minimalne specifične težine 80kg/m ³ , spoljnog dimnjačkog plašta od lakog betona, vatrostalnog lepka u kartušama, vatrootpornih i gasnonepropusnih atestiranih trošlojnih vratanača, kondenz posude, priključaka za reviziju i ložišta, krovne ploče od staklo betona, nosača tervola i tvrdih tervol ploča za priključke, ventilacione rešetke, dilatacione rozete od nerđajućeg čelika. Spoljna dimenzija dimnjačkog plašta za f14cm=32x32cm.	A single chimney diameter 140 mm. Three-layer prefabricated chimney system designed for all furnaces and all types of fuel, with no ventilation. It is composed of: chimney pipe of technical ceramics, pipe insulation around the chimney of stone wool minimum specific weight of 80kg/m ³ , external chimney mantle of lightweight concrete, refractory adhesive in cartouches, fireproof and gas impermeable certified three-layer side door, condensate pots, connectors for the audit and furnaces, roof tiles of glass concrete girders Tervola and hard tervol plate connections, ventilation grilles, rosettes expansion of stainless steel. The external dimensions of the chimney sleeve f14cm = 32x32cm.	m1

9	V	Vodovod Kanalizacija Oprema	WATER SUPPLY AND SEWAGE	
		Vodovod	WATER SUPPLY	
9.1	V 1	Vodovodne polietilenske cevi PE 100 PN16 za radni pritisak 16 bara (SDR 11)	Water supply polyethylene pipe PE 100 PN16 the working pressure of 16 bar (SDR 11)	/
9.1.1	A	d25 (s min. 2,3) - 3/4"	d25 (s min. 2,3) - 3/4"	m1
9.1.2	B	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	m1
9.1.3	C	d40 (s min. 3,7) - 5/4"	d40 (s min. 3,7) - 5/4"	m1
9.2	V 2	Vodovodne cevi PP-R 80 PN20 za radni pritisak 20 bara, bele ili zelene boje (materijal: polipropilen-random kapolimer)	Water pipe PP-R 80 PN20 the working pressure of 20 bar, white or green (material: polypropylene random kapolimer)	/
9.2.1	B	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	m1
9.2.2	C	d25 (s min. 4,2) - 3/4"	d25 (s min. 4,2) - 3/4"	m1
9.2.3	D	d32 (s min. 5,4) - 1"	d32 (s min. 5,4) - 1"	m1
9.3	V 3	Vodomjer sa prirubnicama, holenderima i pripadajućom opremom za montažu, za pritisak do 16 bara	water gauge flanges, unions and associated equipment for assembly, for pressure up to 16 bar	/
9.3.1	A	horizontalni 3/4"	Horizontal 3/4"	kom/pcs
9.3.2	B	horizontalni 1"	Horizontal 1"	kom/pcs
9.3.3	C	horizontalni 5/4"	Horizontal 5/4"	kom/pcs
9.4	V 4	Ravni propusni ventil sa ogrankom za pražnjenje	Skip straight valve with a branch drain	/
9.4.1	A	d25 (s min. 2,3) - 3/4"	d25 (s min. 2,3) - 3/4"	kom/pcs
9.4.2	B	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	kom/pcs
9.5	V 5	Propusni ventil za uzidanje sa kapom	Gate valve for the wall with cap	/
9.5.1	A	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	kom/pcs
9.5.2	B	d25 (s min. 4,2) - 3/4"	d25 (s min. 4,2) - 3/4"	kom/pcs
9.5.3	C	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	kom/pcs
9.6	V 6	Ugaoni "EK" sa kapom	Angle valve "EK" with cap	/
9.6.1	A	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	kom/pcs
9.7	V 7	Termička izolacija vodovodnih cevi -tipa plamaflex ISO ili sl.	Thermal insulation of water pipes-type PLAMAFLEX ISO etc..	/
9.7.1	B	d20 (22/9) - 1/2"	d20 (22/9) - 1/2"	m1
9.7.2	C	d25 (25/9) - 3/4"	d25 (25/9) - 3/4"	m1
9.7.3	D	d32 (35/9) - 1"	d32 (35/9) - 1"	m1
		Kanalizacija	SEWAGE	

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Jed. prod./ UNIT
9.8	V 8	PVC kanalizacione cevi SDR 41 / SN4 / PN5 za spoljni razvod, kućna i ulična kanalizacija	PVC sewer pipe SDR 41 / CH4 / PN5 for external distribution, household and street sewage	/
9.8.1	A	d110 (s min. 3,2) dužina 6,0m	d110 (s min. 3,2) length 6,0m	kom/pcs
9.8.2	B	d160 (s min. 4,0) dužina 6,0m	d160 (s min. 4,0) length 6,0m	kom/pcs
9.9	V 9	Plastične PP cevi SDR 51 / SN2 / PN4 za unutrašnji (kućni) razvod, kućna kanalizacija	Plastic PP pipes SDR 51 / SN2 / PN4 for internal (home) distribution, household sewage	/
9.9.1	A	d50 (s min. 1,8) dužina 3,0m	d50 (s min. 1,8) length 3,0m	kom/pcs
9.9.2	B	d75 (s min. 1,9) dužina 3,0m	d75 (s min. 1,9) length 3,0m	kom/pcs
9.9.3	C	d110 (s min. 2,7) dužina 3,0m	d110 (s min. 2,7) length 3,0m	kom/pcs
9.10	V 10	Plitki PE podni sливник d50 sa horizontalnim odvodom dimenzija 150x150mm	Shallow PE floor drain with horizontal outlet d50 size 150x150mm	kom/pcs
9.11	V 11	Zidni sifoni sa odvodnom mesinganom cevi d32 (mašina za pranje veša i sudova)	Wall siphon with drainage brass tubes d32 (washing machines, dishwashers)	kom/pcs
		Oprema u kupatilu	BATHROOM EQUIPMENT	
9.12	V 12	WC šolja od keramike I klase	Ceramic toilet bowl class 1	kom/pcs
9.13	V 13	Niskomontažni plastični predzidni vodokotlić za nisku montažu iznad wc šolje sa plovkom i svim potrebnim delovima za funkcionišanje vodokotlića	Low mounting plastic-wall toilet tank for low installation above the toilet bowl float and all the parts required for the operation of flushing	kom/pcs
9.14	V 14	Umivaonikom sa stubom od keramike I klase	Washbasin with ceramic pillar class 1	kom/pcs
9.15	V 15	Pravougaona akrilna tuš kada dimenzija 90x90cm sa odlivnim ventilom	Rectangular acrylic shower size 90x90cm with discharge valve	kom/pcs
9.16	V 16	Električni akumulacioni bojler 50l vertikalni grejač 2 kW, napon 230V, kazan izrađen od emajliranog lima, sa pratećim materijalom za ugradnju	Electric storage water heater 50l vertical heater 2 kW, 230V, caldron made of enameled steel, with supporting material for installation	kom/pcs
9.17	V 17	Ogledalo sa etažerom (iznad umivaonika) četvrtasto, min. dimenzija 80x60cm	Mirror with shelf above wash basin square, min. 80x60cm	kom/pcs
9.18	V 18	Baterije (slavine) hromirane baterije za hladnu i toplu vodu	Lever chrome lever for cold and hot water	/
9.18.1	A	za umivaonik jednoručna stoeća	For washbasin single lever basin standing	kom/pcs
9.18.2	B	za tuš kadu (sa tuš ručicom i tuš crevom) jednoručna sa poniklovanim savitljivim crevom	For shower bath (with shower head and shower hose) Single lever with nickel hoses	kom/pcs
9.18.3	C	za mašinu za veš i sudove, holender slavina DN20/15, s pripadajućom opremom za ugradnju	for washing machine and dishwasher, union DN20/15 taps, and all the equipment for installation	kom/pcs
		Oprema u kuhinji	KITCHEN EQUIPMENT	
9.19	V 19	Korito sudopere od "Inox "-a (dvodelno) (izrađeno od plemenitog nerđajućeg čelika) orjenacione dimenzije: 780 x 435 x 150 mm	kitchen sink "Inox" two-part (made of stainless steel) approx. dim: 780 x 435 x 150 mm	kom/pcs

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Jed. prod./ UNIT
9.20	V 20	Električni akumulacioni bojler 5l za ugradnju iznad sudopere, vertikalni grejač 2 kW, napon 230V, kazan izrađen od plastike sa pratećim materijalom za ugradnju	Electric storage water heater 5l Fitting over the sink, vertical heater 2 kW, 230V, caldron made of plastic with the materials for installation	kom/pcs
9.21	V 21	Baterija za sudoperu jednoručna stoeća hromirana baterija za hladnu i toplu vodu	Sink-standing single lever chrome mixer for hot and cold water	kom/pcs

ELEKTRO MATERIJAL I OPREMA			Electrical materials and equipment	
Kablovi i kablovski pribor			Electrical cables and cable accessories	
10.1	E 1	Napojni kablovi	Power cables	/
10.1.1	A	X00-A 4x16 mm ²	X00-A 4x16 mm ²	m
10.1.2	B	PP00-Y 5x6 mm ²	PP00-Y 5x6 mm ²	m
10.1.3	C	PP00-Y 5x10 mm ²	PP00-Y 5x10 mm ²	m
10.2	E 2	Instalacioni kablovi	Installation cables	/
10.2.1	A	PP-Y 3x1,5 mm ²	PP-Y 3x1,5 mm ²	m
10.2.2	B	PP-Y 4x1,5 mm ²	PP-Y 4x1,5 mm ²	m
10.2.3	C	PP-Y 3x2,5 mm ²	PP-Y 3x2,5 mm ²	m
10.2.4	D	PP-Y 5x2,5 mm ²	PP-Y 5x2,5 mm ²	m
10.3	E 3	Instalacione PVC cevi	PVC pipe for installations of cables	/
10.3.1	A	fi 16mm ²	fi 16mm ²	m
10.3.2	B	fi 50mm ²	fi 50mm ²	m
Razvodne table i oprema			The junction boards and equipment	
10.4	E 4	Razvodna tabla Stanska, za ugradnju na zid sa transparentnim vratima, sa mestom za 18 modula, DIN šinom, IP40 Razvodna tabla sadrži :	Junction board (for flat) for wall mounting with transparent door, with space for 18 modules, DIN rail, IP40 Junction board contains:	kom/pcs
10.5	E 5	Jednopolni instalacioni prekidač (automatski osigurač) za montažu na DIN šinu nom. napona 230V/400V, 50Hz; karakteristike B; prekidne moći 6kA:	Single-pole fuse (Automatic fuse) for mounting on DIN rail nom. voltage 230V/400V, 50Hz, features B; breaking capacity 6kA:	/
10.5.1	A	nazivne struje 6A	rated current of 6A	kom/pcs
10.5.2	B	nazivne struje 10A	rated current of 10A	kom/pcs
10.5.3	C	nazivne struje 16A	rated current of 16A	kom/pcs
10.6	E 6	Signalna sijalica za signalizaciju tarife 230V za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	The indicator lamp for signaling rates 230V for use in flat junction board, mounting on DIN rail	kom/pcs
10.7	E 7	FID sklopka za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	FID switch for installation in junction board, mounting on DIN rail	/
10.7.1	A	16A/30mA, 2-polna, 230V, 50Hz;	16A/30mA, 2-pole, 230V, 50Hz;	kom/pcs
10.7.2	B	25A/0,5A, 4-polna, 230V/400V, 50Hz;	25A / 0,5 A, 4-pole, 230V/400V, 50Hz;	kom/pcs
10.8	E 8	Instalaciono zvono 230V, 50Hz; za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	Bell 230V, 50Hz, for use in junction board, mounting on DIN rail	kom/pcs
Instalacioni materijal			Installation material	
10.9	E 9	Instalaciona kutija za ugradnju u završnu obradu zida	Installation box for installation in the wall	/
10.9.1	A	fi 60 mm	fi 60 mm	kom/pcs
10.9.2	B	fi 78 mm	fi 78 mm	kom/pcs
10.9.3	C	100x100mm	100x100mm	kom/pcs
10.10	E 10	Instalaciona priključnica IP20 za ugradnju u završnu obradu zida sa zaštitnim kontaktom	Installation socket IP20 for installation in the wall with a protection contact	/
10.10.1	A	16A, monofazna, 250 V	16A, single-phase, 250 V	kom/pcs
10.10.2	B	16A, monofazna, dupla, 250 V	16A, single-phase, double, 250 V	kom/pcs
10.10.3	C	16A, trofazna, 400V	16A, three-phase, 400V	kom/pcs
10.11	E 11	Instalaciona priključnica IP43 sa poklopcom za ugradnju u završnu obradu zida, sa zaštit. kontaktom, 16A, monofazna, 250 V	Installation socket IP43 with cover for use in wall with protection. contact, 16A, single-phase, 250 V	kom/pcs
10.12	E 12	Prekidači IP20 za ugradnju u završnu obradu zida	Switches IP20 for installation in wall	/
10.12.1	A	običan, 10A	regular, 10A	kom/pcs
10.12.2	B	serijski, 10A	serial, 10A	kom/pcs
10.12.3	C	za zvono	for bell	kom/pcs
10.12.4	D	Instalacioni prekidač "KIP" 16A	Installation switch "KIP" 16A	kom/pcs

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Jed. prod./ UNIT
10.13	E 13	Indikator za kupatilo sa tri sklopke 16A i signalnim sijalicama	The indicator for the bathroom Three switches 16A and signal lights	kom/pcs
		Svetiljke	Lighting	
10.14	E 14	Svetiljka za montažu na plafon sa inkadescentnom sijalicom 60W, E-27,	Luminaire to be mounted on the ceiling with a 60W incandescent bulb, E-27	/
10.14.1	A	IP 43 za sanitarni čvor	IP 43 for toilet	
10.14.2	B	IP 20 za unutrašnje prostorije	IP 20 for indoor rooms	
	E	Instalacija uzemljenja i gromobrana	Earthing and lightning protection	
10.15	E 15	Pocinkovana traka	Galvanized strip	
10.15.1	A	FeZn 25x4mm	FeZn 25x4mm	m
10.15.2	B	FeZn 20x3mm	FeZn 20x3mm	m
10.16	E 16	SIP ormarić (PS49) sa sabirnicom za izjednačenje potencijala	SIP boxes (PS 49) with bonding	kom/pcs
10.17	E 17	Provodnici za uzemljenje	Grounding conductors	/
10.17.1	A	PP00-Y 1x16mm2	PP00-Y 1x16mm2	m
10.17.2	B	P/F-Y 1x6mm2	P/F-Y 1x6mm2	m
10.17.3	C	P/F-Y 1x4mm2	P/F-Y 1x4mm2	m
	E F	Instalacija slabe struje	Installation of low voltage	
10.18	E 18	Antenski koaksijalni kabl RG 6	Antenna Coaxial Cable RG 6	m
10.19	E 19	Telefonski kabl sa bakarnim provodnicima IY(St)Y 2x2x0.8mm	Telephone cable with copper conductors IY (St) Y 2x2x0.8mm	m
10.20	E 20	Priklučnice	Connectors	/
10.20.1	A	Telefonska - RJ11 za montažu u dozni fi 60mm	Phone - RJ11 for mounting in enclosure fi 60mm	m
10.20.2	B	RTV priključnica za montažu u dozni fi 60mm	RTV connector for mounting in enclosure fi 60 mm	kom/pcs

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Orjentaciono pakovanje
1	A	OSNOVNI GRAĐEVINSKI MATERIJAL	BASIC BUILDING MATERIALS	
1.1	O 1	Cement za betone do MB 30	Cement for concrete up to 30 MB	džak 50 kg
1.2	O 2	Hidratisani gašeni kreč pripremljen u prahu	Hydrated slaked lime powdered	džak 25kg
1.3	O 3	Rebrasto betonsko gvožđe (RA)	Ribbed reinforcement steel	/
1.3.1	A	10 mm - dužine 12m	10 mm - length 12m	Ø10mm/12m = 7,74 kg
1.3.2	B	12 mm - dužine 12m	12 mm - length 12m	Ø12mm/12m = 11,14 kg
1.3.3	C	14 mm - dužine 12m	14 mm - length 12m	Ø14mm/12m = 15,17kg
1.3.4	D	16 mm - dužine 12m	16 mm - length 12m	Ø16mm/12m = 19,81 kg
1.4	O 4	Glatko betonsko gvožđe (GA)	Glibly reinforcement steel	/
1.4.1	B	8 mm - dužine 12m	8 mm - length 12m	Ø 8 mm/12m = 4,74 kg
1.4.2	C	10 mm - dužine 12m	10 mm - length 12m	Ø10 mm/12m = 7,40 kg
1.5	O 5	Armatura betonska mreža dim. (dxš) 6000 x 2150 = 12,9 m2/kom	Reinforcement mesh dim. (lxw) 6000 x 2150 = 12,9 m2/pcs	/
1.5.1	A	Q84 /4x4/150x150/	Q84 /4x4/150x150/	12,9 m2/kom = 17,60 kg
1.5.2	B	Q131 /5x5/150x150/	Q131 /5x5/150x150/	12,9 m2/kom = 27,38 kg
1.5.3	C	Q188 /6x6/150x150/	Q188 /6x6/150x150/	12,9 m2/kom = 39,46 kg
1.5.4	D	Q283 /6x6/100x100/	Q283 /6x6/100x100/	12,9 m2/kom = 58,21 kg
1.5.5	E	Q335 /8x8/150x150/	Q335 /8x8/150x150/	12,9 m2/kom = 70,22 kg
2	Z	MATERIJAL ZA ZIDANJE, MALTERISANJE, GLETOVANJE I FARBANJE	MASONRY, PLASTERING FAIRING AND PAINTING MATERIAL	
2.1	Z 1	Giter blok (d/š/v) 250x190x190 mm	Gitter block (l/w/h) 250x190x190 mm	paleta 160 pcs
2.2	Z 2	Giter polublok (12cm) (d/š/v) 250x120x190mm	Gitter half block (12cm) (l/w/h) 250x120x190mm	paleta 210 pcs
2.3	Z 3	Opeka puna (d/š/v) 250x120x65 mm	Brick (full-without holes) (l/w/h) 250x120x65 mm	paleta 512 pcs
2.4	Z 4	Blok od porobetona za pregradni zid (d/š/v) 625x200x200 mm	Aerated concrete block for partition wall (l/w/h) 625x200x200 mm	paleta 30 pcs
2.5	Z 5	Fert nosači (gredice) Dužina nosača je jednak dužini binora = širina otvora između zidova + 30 cm. Broj gredica = dužina prostorije x 0,40	Fert beams Boom length is equal to the length of Binor = width of the openings between the walls + 30 cm. Number of beams = length of room x 0.40	/
2.5.1	A	0,00-3,90 m	0,00-3,90 m	u komadima po specifikaciji
2.5.2	B	3,91-4,50 m	3,91-4,50 m	u komadima po specifikaciji
2.5.3	C	4,51-4,90 m	4,51-4,90 m	u komadima po specifikaciji
2.5.4	D	4,91-5,30 m	4,91-5,30 m	u komadima po specifikaciji
2.5.5	E	5,31-5,90 m	5,31-5,90 m	u komadima po specifikaciji
2.5.6	F	5,91-6,30 m	5,91-6,30 m	u komadima po specifikaciji
2.6	Z 6	Fert ispuna (d/š/v) 245x285/275x160 mm	Fert fillings (l/w/h) 245x285/275x160 mm	paleta 126 pcs
2.7	Z 7	Malter za zidanje Pripremljeno krečno - cementno vezivo	Mortar for masonry Prepared lime - cement binder	džak 40 kg
2.8	Z 8	Malter za malterisanje Pripremljeno krečno - cementno vezivo	Mortar for plastering Prepared lime - cement binder	džak 40 kg
2.9	Z 9	Krečna glet masa Bezcementna krečna masa za gletovanje	Lime smoothing mass No cement lime compound for smoothing	džak 15 kg džak 25 kg

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Orientaciono pakovanje
2.10	Z 10	Poludisperzivna boja Poludisperziona boja razrediva vodom	Semi dispersion paint	kanta 5 kg kanta 10 kg kanta 25 kg

3	K	MATERIJAL ZA KROVNU KONSTRUKCIJU, KROVNI POKRIVAČ, OSB I GIPS KARONSKE TABLE	ROOF CONSTRUCTION AND ROOFING MATERIAL, OSB AND PLASTERBOARD TABLE	
3.1	K 1	Presovani glineni crep I klase dimenzija: 400-450x245-275 mm	Pressed clay tiles class 1 dim: 400-450x245-275 mm	paleta 320 pcs
3.2	K 3	Biber crep I klase dimenzija: 180-200x380-400 mm	Biber clay tiles class 1 dim. 180-200x380-400 mm	
3.3	K 2	Slameni crep I klase (žlebjnjak)	Ridge clay tiles class 1	komad
3.4	K 4	Paropropusna i vodonepropusna krovna folija kontrola vodene pare iznad termoizolacije	Vapour permeable and waterproof roof sheeting control of water vapor above the insulation	Rolna 1,5x50 m= 75m2
3.5	K 5	Staklena mineralna vuna termoizolacija potkrvlja između rogova	Glass Mineral Wool loft insulation between the rafters	/
3.5.1	A	debljina d=10 cm	thickness d=10 cm	Rolna 1,2x7 m = 8,4 m2
3.5.2	B	debljina d=12 cm	thickness d=12 cm	Rolna 1,2x6 m = 7,2 m2
3.5.3	C	debljina d=14 cm	thickness d=14 cm	Rolna 1,2x6 m = 6,0 m2
3.6	K 6	Parna brana kontrola vodene pare ispod termoizolacije	Vapor barrier control of water vapor below the insulation	Rolna 1,5x50 m= 75m2
3.7	K 7	Čamova rezana građa različitog preseka dužine 400 cm	Fir lumber of different cross-section length 400 cm	/
3.7.1	A	Rog/Venčanica/Raspinjača 10/12 cm	rafters / wall plate / ridge collar 10/12 cm	komad dužine 4m
3.7.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	column / pile / hip rafter / ridge 12/14 cm	komad dužine 4m
3.7.3	C	Stub/Grebenjača 14/14 cm	column / hip rafter 14/14 cm	komad dužine 4m
3.7.4	H	Tavanjače 18/26 cm	attic beams 18/26 cm	komad dužine 4m
3.8	K 8	Čamova rezana građa različitog preseka dužine 600 cm	Fir lumber of different cross-section length 600 cm	/
3.8.1	A	Rog/Venčanica/Raspinjača 10/12 cm	rafters / wall plate / ridge collar 10/12 cm	komad dužine 6m
3.8.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	column / pile / hip rafter / ridge 12/14 cm	komad dužine 6m
3.8.3	C	Stub/Grebenjača 14/14 cm	column / hip rafter 14/14 cm	komad dužine 6m
3.8.4	D	Rožnjača 14/16 cm	Purlin 14/16 cm	komad dužine 6m
3.8.5	E	Kosnik/Pajanta 10/10 cm	Strut 10/10 cm	komad dužine 6m
3.8.6	F	Klešta 6/12 cm	Collar tie 6/12 cm	komad dužine 6m
3.8.7	G	Krovna štafla 5/8 cm	Roof battens 5/8 cm	komad dužine 6m
3.8.8	H	Tavanjače 18/26 cm	attic beams 18/26 cm	komad dužine 6m
3.9	K 9	Građevinska daska - fosna 4,8/25/400 cm	Fir board 4,8/25/400 cm	komad dužine 4m
3.10	K 10	Krovna daska od čamove rezane građe 2,4-2,5/15 cm, isporučuje se dužine l=3,0 metra	Roof fir board 2,4-2,5/15 cm, lenght l=3,0 m	isporučuje se po m3
3.11	K 11	Krovna letva od čamove rezane građe 3 / 5 cm , isporučuje se dužine l=3,0 metra	Fir batten 3 / 5 cm , lenght l=3,0 m	isporučuje se po m1
3.12	K 12	OSB3 vlagoootporne konstruktivne ploče d=18 mm / dim. 2440 x 1220	OSB3 moisture resistant structural panels d=18 mm / dim. 2440 x 1220	komad - tabla
3.13	K 13	Standardne gips kartonske ploče - Tip A dimenzije: 1200-1250 x 2000 mm	Standard plasterboard table - Type A dim: 1200-1250 x 2000 mm	komad - tabla

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Orientaciono pakovanje
3.14	K 14	Vlagootporne gips kartonske ploče - Tip H2 dimenzije: 1200-1250 x 2000 mm	Moisture resistant Plasterboard - Type H2 dim: 1200-1250 x 2000 mm	komad - tabla
3.15	K 15	Čelični pocinkovani i farbani olučni elementi prečnika: Ø 100 mm dužine 600 cm	Galvanized steel and painted gutter elements diameter: Ø 100 mm length 600 cm	/
3.15.1	A	Horizontalni polukružni element+ prateći paket uz svaki komad elementa. Sadržaj paketa pratećih elemenata horizontalnog oluka. Jedan paket sadrži: čelo (forkop) - 1 komad, kuka preseka 3-5/20-50mm- 10 komada. Čelični pocinkovani elementi farbani u boji oluka.	Horizontal semicircular element + accompanying package with each piece of element. Content of the accompanying elements of the horizontal gutter. One package contains: forehead (forkop) - 1 piece, hook cross section 3-5 / 20-50mm- 10 pieces. Steel galvanized elements color gowns.	komad dužine 6 metra
3.15.2	B	Vertikalni kružni oluk + prateći paket uz svaki komad elementa Sadržaj paketa pratećih elemenata vertikalnog oluka. Jedan paket sadrži: kotlič- 1 komad, koleno 72°-3 komada, obujmica (šelna)-4 komada. Čelični pocinkovani elementi farbani u boji oluka.	Vertical circular gutter + accompanying package with each piece of element Package contents of the accompanying elements of the vertical gutter. One package contains: kettle- 1 piece, knee 72 ° -3 pieces, clamp (heel) -4 pieces. Steel galvanized elements color gowns.	komad dužine 6 metra

4	P	MATERIJAL ZA PODOVE, LAMINAT, PLOČICE I XPS	FLOORING, LAMINATE, TILES AND XPS	
4.1	P 1	Unutrašnje podne keramičke pločice Min. dimenzije pločica: 200x300 mm	Floor tiles for inside Min. tile size: 200x300 mm	isporučuje se po m2
4.2	P 2	Unutrašnje zidne keramičke pločice Min. dimenzije pločica: 200x300 mm	Wall tiles for inside Min. tile size: 200x300 mm	isporučuje se po m2
4.3	P 3	Lepak za keramičke pločice Fleksibilni, polimer-cementni lepak	Glue for ceramic tiles Flexible, polymer-cement glue	džak 25 kg
4.4	P 4	Fleksibilna masa za fugovanje Vodooodbojna fug masa na bazi cementa	Flexible mass for grouting Waterproof grout cement based	džak 2 kg
4.5	P 5	Laminat - jakopresovani (HLP) sa klik sistemom, dezen: hrast natur (prirodni)	Laminate (HLP) with click system, design: oak natural (natural)	pak. 8 pcs
4.6	P 6	Lajsne za laminat od medijapanu materijal: medijapan / MDF	Moldings for laminate MDF Material: MDF / MDF	paket 12 pcs
4.7	P 7	Podloga za laminat od polietilenske pene Sunderasta podloga za laminat	The base for laminate of polyethylene foam Foam base for laminate	Rolna 1,1x15m =16,5 m2
4.8	P 8	Cementni suvi estrih (cementna košuljica). Pripremljeno cementno praškasto vezivo	Cement dry screed (cement screed) Prepared cement powder binder	džak 40 kg
4.9	P 9	Građevinska PVC folija Za razdvajanje cementne košuljice od termo izolacije.	PVC foil for construction. To separate the cement screed of thermal insulation.	rolna š/d = 4/10 m = 40m2

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Orientaciono pakovanje
4.10	P 10	Stirodur (XPS za izolaciju na podovima) ploča od ekstrudirane polistirenske pene	Stirodur (XPS insulation for floors) panel of extruded polystyrene foam	/
4.10.1	A	debljine d=2 cm	d=2 cm	paket 20 ploča = 15 m2
4.10.2	B	debljine d=5 cm	d=5 cm	paket 8 ploča = 6 m2

5	F	MATERIJAL ZA IZRADU FASADE	FACADE MATERIAL	
5.1	F 1	EPS za termoizolaciju fasadnih zidova ploča od ekspandiranog polistirena	Thermal insulation for facade walls (EPS) plates made of expanded polystyrene	/
5.1.1	A	debljina d=8 cm	d=8 cm	paket 6 ploče EPSa
5.1.2	B	debljina d=10 cm	d=10 cm	paket 5 ploče EPSa
5.1.3	C	debljina d=12 cm	d=12 cm	paket 4 ploče EPSa
5.1.4	D	debljina d=14 cm	d=14 cm	paket 3 ploče EPSa
5.2	F 2	Građevinski lepak za EPS ploče cementni lepak namenjen za lepljenje ploča od ekspandiranog polistirena (EPS) i armiranje armaturne (rabic) mrežice	Construction glue for EPS plates cement adhesive for gluing plates made of expanded polystyrene (EPS) and reinforcing wire (rabic) net	džak 30 kg
5.3	F 3	Armatura (rabic) staklena mrežica. Visokokvalitetna alkalno postojana staklena mrežica	Reinforcing (rabic) fiberglass mesh High quality alkali resistant fiberglass mesh	Rolna 50 m2
5.4	F 4	Aktivni predpremaz pre nanošenja tankoslojnog fasadnog maltera. predpremaz za izjednačavanje upijanja - podloga	Active primer before applying the thin-layer plaster primer for the equalization of absorption surface	pakovanje 25 kg
5.5	F 5	Fasadni tankoslojni akrilni malter Završni malter u pastoznom stanju, namenjen za zaštitu fasadnih zidnih površina	Facade thin-layer acrylic plaster Finishing plaster in paste-like state, intended for the protection of facade wall surfaces	pakovanje 25 kg
5.5.1	A	boja približna RAL 1034 -kajsija	color similar to RAL 1034-apricot	/
5.5.2	B	boja približna RAL 6005 -pastelno zelena	color similar to RAL 6005 pastel-green	/
5.5.3	C	boja približna RAL 5023 -pastelno plava	color similar to RAL 5023 pastel-blue	/
5.5.4	D	boja približna RAL 3011 -pastelno crvena	color similar to RAL 3011 pastel-red	/
5.5.5	E	boja približna RAL 8002 -braon	color similar to RAL 8002 brown	/

6	H	MATERIJAL ZA HIDRO IZOLACIJE	WATERPROOFING MATERIAL	
6.1	H 1	Bitulit (prethodni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	Bitulit (previous coating for waterproofing) It is used as delivered (cold process) without heating	kanta 4,5 kg = 11,25 m2 kanta 9 kg = 22,50 m2 bure 200kg = 500 m2
6.2	H 2	Poliazbitol (hladni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	POLYASBITOL (cold coating for waterproofing) It is used as delivered (cold process) without heating	5 kg 22 kg

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Orientaciono pakovanje
6.3	H 3	Ter papir Bitumenska hidroizolaciona traka.	Ter paper Bituminous waterproofing tape.	rolna 10 m2
6.4	H 4	Kondor V-3 (hidroizolaciona traka) Plastomer-bitumenska traka, uložak stakleni voal, debljina: ≥ 3 mm	Condor V-3 (waterproof tape) Plastomer-bituminous tape, glass mat, thickness: ≥ 3 mm	rolna 10m2

7	S	STOLARIJA	DOORS AND WINDOWS	
7.1	S 1	Ulazna vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	Entrance door of PVC (set position) Profile color: white RAL 9003 Number of chambers: ≥ 5 chambers width x height (masonry measures)	/
7.1.1	A	JK 90x210 cm - Leva 90 cm	one wing 90x210 cm - Left 90 cm	komad
7.1.2	B	JK 90x210 cm - Desna 90 cm	one wing 90x210 cm - Right 90 cm	komad
7.1.3	C	DK 120x210 cm - Leva 90+30 cm	two wings 120x210 cm - Left 90+30 cm	komad
7.1.4	D	DK 120x210 cm - Desna 90+30 cm	two wings 120x210 cm - Right 90+30 cm	komad
	E	JK 90x200 cm - Leva 90 cm	JK 90x200 cm - Left 90 cm	komad
	F	JK 90x200 cm - Desna 90 cm	JK 90x200 cm - Right 90 cm	komad
	G	DK 120x200 cm - Leva 90+30 cm	DK 120x200 cm -Left 90+30 cm	komad
	H	DK 120x200 cm - Desna 90+30 cm	DK 120x200 cm - Right 90+30 cm	komad
7.2	S 2	Prozori od PVC-a (komplet pozicija). Vertikalno i horizontalno otvaranje, boja profila: bela RAL 9003, broj komora: ≥ 5 komora širina x visina (zidarske mere)	Windows made of PVC (set position) Vertical and horizontal opening, color profile: white RAL 9003, the number of chambers: ≥ 5 chambers width x height (masonry measures)	/
7.2.1	A	JK 60x60 cm	one wing 60x60 cm	komad
7.2.2	B	JK 80x80 cm	one wing 80x80 cm	komad
7.2.3	C	JK 80x120 cm	one wing 80x120 cm	komad
7.2.4	D	JK 80x140 cm	one wing 80x140 cm	komad
7.2.5	E	JK 100x120 cm	one wing 100x120 cm	komad
7.2.6	F	JK 100x140 cm	one wing 100x140 cm	komad
7.2.7	G	DK 120x120 cm	two wings 120x120 cm	komad
7.2.8	H	DK 120x140 cm	two wings 120x140 cm	komad
7.2.9	I	DK 140x120 cm	two wings 140x120 cm	komad
7.2.10	J	DK 140x140 cm	two wings 140x140 cm	komad
7.2.11	K	DK 160x120 cm	two wings 160x120 cm	komad
7.2.12	L	DK 160x140 cm	two wings 160x140 cm	komad

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Orjentaciono pakovanje
7.3	S 3	Krovni prozor sa aluminijumskom opšivkom od laminirane i impregnirane čamove građe	Roof window with aluminum flashings of laminated and impregnated fir timber	/
7.3.1	A	dimenzije 66 x 118 (širina x visina)	66 x 118 (width x height)	komad
7.3.2	B	dimenzije 78 x 98 (širina x visina)	78 x 98 (width x height)	komad
7.3.3	C	dimenzije 78 x 118 (širina x visina)	78 x 118 (width x height)	komad
7.4	S 4	Balkonska vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	Balcony doors from PVC (set position) Profile color: white RAL 9003 Number of chambers: ≥ 5 chambers width x height (masonry measures)	/
7.4.1	A	JK 90x210 cm - Leva		komad
7.4.2	B	JK 90x210 cm - Desna		komad
7.4.3	C	DK 140x210 cm		komad
	D	JK 90x200 cm - Leva		komad
	F	JK 90x200 cm - Desna		komad
	G	DK 140x200 cm		komad
7.5	S 5	Unutrašnja vrata sa ispunom od kartonskog sača (komplet pozicija). širina x visina (spoljna mera futera)	Internal doors filled with cardboard honeycomb (set position) width x height (external measures footer)	/
7.5.1	A	70x205 cm - Leva (dubina štoka 0-16 cm)	70x205 cm - Left (depth door 0-16 cm)	komad
7.5.2	B	70x205 cm - Leva (dubina štoka 16-30 cm)	70x205 cm - Left (depth door 16-30 cm)	komad
7.5.3	C	70x205 cm - Desna (dubina štoka 0-16 cm)	70x205 cm - Right (depth door 0-16 cm)	komad
7.5.4	D	70x205 cm - Desna (dubina štoka 16-30 cm)	70x205 cm - Right (depth door 16-30 cm)	komad
7.5.5	E	80x205 cm - Leva (dubina štoka 0-16 cm)	80x205 cm - Left (depth door 0-16 cm)	komad
7.5.6	F	80x205 cm - Leva (dubina štoka 16-30 cm)	80x205 cm - Left (depth door 16-30 cm)	komad
7.5.7	G	80x205 cm - Desna (dubina štoka 0-16 cm)	80x205 cm - Right (depth door 0-16 cm)	komad
7.5.8	H	80x205 cm - Desna (dubina štoka 16-30 cm)	80x205 cm - Right (depth door 16-30 cm)	komad
7.5.9	I	90x205 cm - Leva (dubina štoka 0-16 cm)	90x205 cm - Left (depth door 0-16 cm)	komad

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Orientaciono pakovanje
7.5.10	J	90x205 cm - Leva (dubina štoka 16-30 cm)	90x205 cm - Left (depth door 16-30 cm)	komad
7.5.11	K	90x205 cm - Desna (dubina štoka 0-16 cm)	90x205 cm - Right (depth door 0-16 cm)	komad
7.5.12	L	90x205 cm - Desna (dubina štoka 16-30 cm)	90x205 cm - Right (depth door 16-30 cm)	komad

8	D	OSTALA OPREMA I MATERIJAL	OTHER EQUIPMENT AND SUPPLIES	
8.1	D 1	Jednostruki dimnjak prečnika Φ 140 mm. Trošlojni montažni dimnjački sistem namenjen za sva ložišta i sve vrste goriva, bez ventilacije. Sastavljen je od: dimnjačke cevi od tehničke keramike, izolacije oko cevi dimnjaka od kamene vune minimalne specifične težine 80kg/m ³ , spoljnog dimnjačkog plašta od lakog betona, vatrostalnog lepka u kartušama, vatrootpornih i gasnonepropusnih atestiranih trošlojnih vratanača, kondenz posude, priključaka za reviziju i ložišta, krovne ploče od staklo betona, nosača tervola i tvrdih tervol ploča za priključke, ventilacione rešetke, dilatacione rozete od nerđajućeg čelika. Spoljna dimenzija dimnjačkog plašta za f14cm=32x32cm.	A single chimney diameter 140 mm. Three-layer prefabricated chimney system designed for all furnaces and all types of fuel, with no ventilation. It is composed of: chimney pipe of technical ceramics, pipe insulation around the chimney of stone wool minimum specific weight of 80kg/m ³ , external chimney mantle of lightweight concrete, refractory adhesive in cartouches, fireproof and gas impermeable certified three-layer side door, condensate pots, connectors for the audit and furnaces, roof tiles of glass concrete girders Tervola and hard tervol plate connections, ventilation grilles, rosettes expansion of stainless steel. The external dimensions of the chimney sleeve f14cm = 32x32cm.	/

9	V	Vodovod Kanalizacija Oprema	WATER SUPPLY AND SEWAGE	
		Vodovod	WATER SUPPLY	
9.1	V 1	Vodovodne polietilenske cevi PE 100 PN16 za radni pritisak 16 bara (SDR 11)	Water supply polyethylene pipe PE 100 PN16 the working pressure of 16 bar (SDR 11)	/
9.1.1	A	d25 (s min. 2,3) - 3/4"	d25 (s min. 2,3) - 3/4"	kotur 200m
9.1.2	B	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	kotur 200m
9.1.3	C	d40 (s min. 3,7) - 5/4"	d40 (s min. 3,7) - 5/4"	kotur 200m
9.2	V 2	Vodovodne cevi PP-R 80 PN20 za radni pritisak 20 bara, bele ili zelene boje (materijal: polipropilen-random kapolimer)	Water pipe PP-R 80 PN20 the working pressure of 20 bar, white or green (material: polypropylene random kapolimer)	/
9.2.1	B	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	kotur 100 m
9.2.2	C	d25 (s min. 4,2) - 3/4"	d25 (s min. 4,2) - 3/4"	kotur 80 m
9.2.3	D	d32 (s min. 5,4) - 1"	d32 (s min. 5,4) - 1"	kotur 56 m
9.3	V 3	Vodomer sa prirubnicama, holenderima i pripadajućom opremom za montažu, za pritisak do 16 bara	water gauge flanges, unions and associated equipment for assembly, for pressure up to 16 bar	/
9.3.1	A	horizontalni 3/4"	Horizontal 3/4"	komad
9.3.2	B	horizontalni 1"	Horizontal 1"	komad
9.3.3	C	horizontalni 5/4"	Horizontal 5/4"	komad
9.4	V 4	Ravni propusni ventil sa ogrankom za pražnjenje	Skip straight valve with a branch drain	/
9.4.1	A	d25 (s min. 2,3) - 3/4"	d25 (s min. 2,3) - 3/4"	komad
9.4.2	B	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	komad
9.5	V 5	Propusni ventil za uzidanje sa kapom	Gate valve for the wall with cap	/
9.5.1	A	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	komad
9.5.2	B	d25 (s min. 4,2) - 3/4"	d25 (s min. 4,2) - 3/4"	komad
9.5.3	C	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	komad
9.6	V 6	Ugaoni "EK" sa kapom	Angle valve "EK" with cap	/
9.6.1	A	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	komad
9.7	V 7	Termička izolacija vodovodnih cevi -tipa plamaflex ISO ili sl.	Thermal insulation of water pipes-type PLAMAFLEX ISO etc..	/
9.7.1	B	d20 (22/9) - 1/2"	d20 (22/9) - 1/2"	m1
9.7.2	C	d25 (25/9) - 3/4"	d25 (25/9) - 3/4"	m1
9.7.3	D	d32 (35/9) - 1"	d32 (35/9) - 1"	m1
		Kanalizacija	SEWAGE	

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Orientaciono pakovanje
9.8	V 8	PVC kanalizacione cevi SDR 41 / SN4 / PN5 za spoljni razvod, kućna i ulična kanalizacija	PVC sewer pipe SDR 41 / CH4 / PN5 for external distribution, household and street sewage	/
9.8.1	A	d110 (s min. 3,2) dužina 6,0m	d110 (s min. 3,2) length 6,0m	pakovanje 10 pcs
9.8.2	B	d160 (s min. 4,0) dužina 6,0m	d160 (s min. 4,0) length 6,0m	pakovanje 6 pcs
9.9	V 9	Plastične PP cevi SDR 51 / SN2 / PN4 za unutrašnji (kućni) razvod, kućna kanalizacija	Plastic PP pipes SDR 51 / SN2 / PN4 for internal (home) distribution, household sewage	/
9.9.1	A	d50 (s min. 1,8) dužina 3,0m	d50 (s min. 1,8) length 3,0m	pakovanje 10 pcs
9.9.2	B	d75 (s min. 1,9) dužina 3,0m	d75 (s min. 1,9) length 3,0m	pakovanje 10 pcs
9.9.3	C	d110 (s min. 2,7) dužina 3,0m	d110 (s min. 2,7) length 3,0m	pakovanje 10 pcs
9.10	V 10	Plitki PE podni sливник d50 sa horizontalnim odvodom dimenzija 150x150mm	Shallow PE floor drain with horizontal outlet d50 size 150x150mm	kom
9.11	V 11	Zidni sifoni sa odvodnom mesinganom cevi d32 (mašina za pranje veša i sudova)	Wall siphon with drainage brass tubes d32 (washing machines, dishwashers)	kom
		Oprema u kupatilu	BATHROOM EQUIPMENT	
9.12	V 12	WC šolja od keramike I klase	Ceramic toilet bowl class 1	kom
9.13	V 13	Niskomontažni plastični predzidni vodokotlić za nisku montažu iznad wc šolje sa plovkom i svim potrebnim delovima za funkcionišanje vodokotlića	Low mounting plastic-wall toilet tank for low installation above the toilet bowl float and all the parts required for the operation of flushing	kom
9.14	V 14	Umivaonikom sa stubom od keramike I klase	Washbasin with ceramic pillar class 1	kom
9.15	V 15	Pravougaona akrilna tuš kada dimenzija 90x90cm sa odlivnim ventilom	Rectangular acrylic shower size 90x90cm with discharge valve	kom
9.16	V 16	Električni akumulacioni bojler 50l vertikalni grejač 2 kW, napon 230V, kazan izrađen od emajliranog lima, sa pratećim materijalom za ugradnju	Electric storage water heater 50l vertical heater 2 kW, 230V, caldron made of enameled steel, with supporting material for installation	kom
9.17	V 17	Ogledalo sa etažerom (iznad umivaonika) četvrtasto, min. dimenzija 80x60cm	Mirror with shelf above wash basin square, min. 80x60cm	
9.18	V 18	Baterije (slavine) hromirane baterije za hladnu i toplu vodu	Lever chrome lever for cold and hot water	/
9.18.1	A	za umivaonik jednoručna stojeća	For washbasin single lever basin standing	kom
9.18.2	B	za tuš kadu (sa tuš ručicom i tuš crevom) jednoručna sa poniklovanim savitljivim crevom	For shower bath (with shower head and shower hose) Single lever with nickel hoses	kom
9.18.3	C	za mašinu za veš i sudove, holender slavina DN20/15, s pripadajućom opremom za ugradnju	for washing machine and dishwasher, union DN20/15 taps, and all the equipment for installation	kom
		Oprema u kuhinji	KITCHEN EQUIPMENT	
9.19	V 19	Korito sudopere od "Inox "-a (dvodelno) (izrađeno od plemenitog nerđajućeg čelika) orjenacione dimenzije: 780 x 435 x 150 mm	kitchen sink "Inox" two-part (made of stainless steel) approx. dim: 780 x 435 x 150 mm	kom

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Orjentaciono pakovanje
9.20	V 20	Električni akumulacioni bojler 5l za ugradnju iznad sudopere, vertikalni grejač 2 kW, napon 230V, kazan izrađen od plastike sa pratećim materijalom za ugradnju	Electric storage water heater 5l Fitting over the sink, vertical heater 2 kW, 230V, caldron made of plastic with the materials for installation	kom
9.21	V 21	Baterija za sudoperu jednoručna stoeća hromirana baterija za hladnu i toplu vodu	Sink-standing single lever chrome mixer for hot and cold water	kom

10	E	ELEKTRO MATERIJAL I OPREMA	Electrical materials and equipment		
		Kablovi i kablovski pribor			
10.1	E 1	Napojni kablovi	Power cables	/	
10.1.1	A	X00-A 4x16 mm ²	X00-A 4x16 mm ²		
10.1.2	B	PP00-Y 5x6 mm ²	PP00-Y 5x6 mm ²		
10.1.3	C	PP00-Y 5x10 mm ²	PP00-Y 5x10 mm ²		
10.2	E 2	Instalacioni kablovi	Installation cables	/	
10.2.1	A	PP-Y 3x1,5 mm ²	PP-Y 3x1,5 mm ²		
10.2.2	B	PP-Y 4x1,5 mm ²	PP-Y 4x1,5 mm ²		
10.2.3	C	PP-Y 3x2,5 mm ²	PP-Y 3x2,5 mm ²		
10.2.4	D	PP-Y 5x2,5 mm ²	PP-Y 5x2,5 mm ²		
10.3	E 3	Instalacione PVC cevi	PVC pipe for installations of cables	/	
10.3.1	A	fi 16mm ²	fi 16mm ²		
10.3.2	B	fi 50mm ²	fi 50mm ²		
		Razvodne table i oprema			
10.4	E 4	Razvodna tabla Stanska, za ugradnju na zid sa transparentnim vratima, sa mestom za 18 modula, DIN šinom, IP40 Razvodna tabla sadrži :	Junction board (for flat) for wall mounting with transparent door, with space for 18 modules, DIN rail, IP40 Junction board contains:	/	
10.5	E 5	Jednopolni instalacioni prekidač (automatski osigurač) za montažu na DIN šinu nom. napona 230V/400V, 50Hz; karakteristike B; prekidne moći 6kA:	Single-pole fuse (Automatic fuse) for mounting on DIN rail nom. voltage 230V/400V, 50Hz, features B; breaking capacity 6kA:	/	
10.5.1	A	nazivne struje 6A	rated current of 6A		
10.5.2	B	nazivne struje 10A	rated current of 10A		
10.5.3	C	nazivne struje 16A	rated current of 16A		
10.6	E 6	Signalna sijalica za signalizaciju tarife 230V za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	The indicator lamp for signaling rates 230V for use in flat junction board, mounting on DIN rail		
10.7	E 7	FID sklopka za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	FID switch for installation in junction board, mounting on DIN rail	/	
10.7.1	A	16A/30mA, 2-polna, 230V, 50Hz;	16A/30mA, 2-pole, 230V, 50Hz;		
10.7.2	B	25A/0,5A, 4-polna, 230V/400V, 50Hz;	25A / 0,5 A, 4-pole, 230V/400V, 50Hz;		
10.8	E 8	Instalaciono zvono 230V, 50Hz; za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	Bell 230V, 50Hz, for use in junction board, mounting on DIN rail		
		Instalacioni materijal			
10.9	E 9	Instalaciona kutija za ugradnju u završnu obradu zida	Installation box for installation in the wall	/	
10.9.1	A	fi 60 mm	fi 60 mm		
10.9.2	B	fi 78 mm	fi 78 mm		
10.9.3	C	100x100mm	100x100mm		
10.10	E 10	Instalaciona priključnica IP20 za ugradnju u završnu obradu zida sa zaštitnim kontaktom	Installation socket IP20 for installation in the wall with a protection contact	/	
10.10.1	A	16A, monofazna, 250 V	16A, single-phase, 250 V		
10.10.2	B	16A, monofazna, dupla, 250 V	16A, single-phase, double, 250 V		
10.10.3	C	16A, trofazna, 400V	16A, three-phase, 400V		
10.11	E 11	Instalaciona priključnica IP43 sa poklopcom za ugradnju u završnu obradu zida, sa zaštit. kontaktom, 16A, monofazna, 250 V	Installation socket IP43 with cover for use in wall with protection. contact, 16A, single-phase, 250 V		
10.12	E 12	Prekidači IP20 za ugradnju u završnu obradu zida	Switches IP20 for installation in wall	/	
10.12.1	A	običan, 10A	regular, 10A		
10.12.2	B	serijski, 10A	serial, 10A		
10.12.3	C	za zvono	for bell		
10.12.4	D	Instalacioni prekidač "KIP" 16A	Installation switch "KIP" 16A		

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Orientaciono pakovanje
10.13	E 13	Indikator za kupatilo sa tri sklopke 16A i signalnim sijalicama	The indicator for the bathroom Three switches 16A and signal lights	
		Svetiljke	Lighting	
10.14	E 14	Svetiljka za montažu na plafon sa inkadescentnom sijalicom 60W, E-27,	Luminaire to be mounted on the ceiling with a 60W incandescent bulb, E-27	/
10.14.1	A	IP 43 za sanitarni čvor	IP 43 for toilet	
10.14.2	B	IP 20 za unutrašnje prostorije	IP 20 for indoor rooms	
	E	Instalacija uzemljenja i gromobrana	Earthing and lightning protection	
10.15	E 15	Pocinkovana traka	Galvanized strip	/
10.15.1	A	FeZn 25x4mm	FeZn 25x4mm	
10.15.2	B	FeZn 20x3mm	FeZn 20x3mm	
10.16	E 16	SIP ormarić (PS49) sa sabirnicom za izjednačenje potencijala	SIP boxes (PS 49) with bonding	
10.17	E 17	Provodnici za uzemljenje	Grounding conductors	/
10.17.1	A	PP00-Y 1x16mm2	PP00-Y 1x16mm2	
10.17.2	B	P/F-Y 1x6mm2	P/F-Y 1x6mm2	
10.17.3	C	P/F-Y 1x4mm2	P/F-Y 1x4mm2	
	E F	Instalacija slabe struje	Installation of low voltage	
10.18	E 18	Antenski koaksijalni kabl RG 6	Antenna Coaxial Cable RG 6	
10.19	E 19	Telefonski kabl sa bakarnim provodnicima IY(St)Y 2x2x0.8mm	Telephone cable with copper conductors IY (St) Y 2x2x0.8mm	
10.20	E 20	Priklučnice	Connectors	/
10.20.1	A	Telefonska - RJ11 za montažu u dozni fi 60mm	Phone - RJ11 for mounting in enclosure fi 60mm	
10.20.2	B	RTV priključnica za montažu u dozni fi 60mm	RTV connector for mounting in enclosure fi 60 mm	

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Approximately packaging
1	A	OSNOVNI GRAĐEVINSKI MATERIJAL	BASIC BUILDING MATERIALS	
1.1	O 1	Cement za betone do MB 30	Cement for concrete up to 30 MB	bag 50 kg
1.2	O 2	Hidratisani gašeni kreč pripremljen u prahu	Hydrated slaked lime powdered	bag 25kg
1.3	O 3	Rebrasto betonsko gvožđe (RA)	Ribbed reinforcement steel	/
1.3.1	A	10 mm - dužine 12m	10 mm - length 12m	Ø10mm/12m = 7,74 kg
1.3.2	B	12 mm - dužine 12m	12 mm - length 12m	Ø12mm/12m = 11,14 kg
1.3.3	C	14 mm - dužine 12m	14 mm - length 12m	Ø14mm/12m = 15,17kg
1.3.4	D	16 mm - dužine 12m	16 mm - length 12m	Ø16mm/12m = 19,81 kg
1.4	O 4	Glatko betonsko gvožđe (GA)	Glibly reinforcement steel	/
1.4.1	B	8 mm - dužine 12m	8 mm - length 12m	Ø 8 mm/12m = 4,74 kg
1.4.2	C	10 mm - dužine 12m	10 mm - length 12m	Ø10 mm/12m = 7,40 kg
1.5	O 5	Armatura betonska mreža dim. (dxš) 6000 x 2150 = 12,9 m2/kom	Reinforcement mesh dim. (lxw) 6000 x 2150 = 12,9 m2/pcs	/
1.5.1	A	Q84 /4x4/150x150/	Q84 /4x4/150x150/	12,9 m2/pcs = 17,60 kg
1.5.2	B	Q131 /5x5/150x150/	Q131 /5x5/150x150/	12,9 m2/pcs = 27,38 kg
1.5.3	C	Q188 /6x6/150x150/	Q188 /6x6/150x150/	12,9 m2/pcs = 39,46 kg
1.5.4	D	Q283 /6x6/100x100/	Q283 /6x6/100x100/	12,9 m2/pcs = 58,21 kg
1.5.5	E	Q335 /8x8/150x150/	Q335 /8x8/150x150/	12,9 m2/pcs = 70,22 kg
2	Z	MATERIJAL ZA ZIDANJE, MALTERISANJE, GLETOVANJE I FARBANJE	MASONRY, PLASTERING FAIRING AND PAINTING MATERIAL	
2.1	Z 1	Giter blok (d/š/v) 250x190x190 mm	Gitter block (l/w/h) 250x190x190 mm	palette 160 pcs
2.2	Z 2	Giter polublok (12cm) (d/š/v) 250x120x190mm	Gitter half block (12cm) (l/w/h) 250x120x190mm	palette 210 pcs
2.3	Z 3	Opeka puna (d/š/v) 250x120x65 mm	Brick (full-without holes) (l/w/h) 250x120x65 mm	palette 512 pcs
2.4	Z 4	Blok od porobetona za pregradni zid (d/š/v) 625x200x200 mm	Aerated concrete block for partition wall (l/w/h) 625x200x200 mm	palette 30 pcs
2.5	Z 5	Fert nosači (gredice) Dužina nosača je jednak dužini binora = širina otvora između zidova + 30 cm. Broj gredica = dužina prostorije x 0,40	Fert beams Boom length is equal to the length of Binor = width of the openings between the walls + 30 cm. Number of beams = length of room x 0.40	/
2.5.1	A	0,00-3,90 m	0,00-3,90 m	pcs according to specs.
2.5.2	B	3,91-4,50 m	3,91-4,50 m	pcs according to specs.
2.5.3	C	4,51-4,90 m	4,51-4,90 m	pcs according to specs.
2.5.4	D	4,91-5,30 m	4,91-5,30 m	pcs according to specs.
2.5.5	E	5,31-5,90 m	5,31-5,90 m	pcs according to specs.
2.5.6	F	5,91-6,30 m	5,91-6,30 m	pcs according to specs.
2.6	Z 6	Fert ispuna (d/š/v) 245x285/275x160 mm	Fert fillings (l/w/h) 245x285/275x160 mm	palette 126 pcs
2.7	Z 7	Malter za zidanje Pripremljeno krečno - cementno vezivo	Mortar for masonry Prepared lime - cement binder	bag 40 kg
2.8	Z 8	Malter za malterisanje Pripremljeno krečno - cementno vezivo	Mortar for plastering Prepared lime - cement binder	bag 40 kg
2.9	Z 9	Krečna glet masa Bezcementna krečna masa za gletovanje	Lime smoothing mass No cement lime compound for smoothing	bag 15 kg bag 25 kg

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Approximately packaging
2.10	Z 10	Poludisperzivna boja Poludisperziona boja razrediva vodom	Semi dispersion paint	bucket 5 kg bucket 10 kg bucket 25 kg

3	K	MATERIJAL ZA KROVNU KONSTRUKCIJU, KROVNI POKRIVAČ, OSB I GIPS KARONSKE TABLE	ROOF CONSTRUCTION AND ROOFING MATERIAL, OSB AND PLASTERBOARD TABLE	
3.1	K 1	Presovani glineni crep I klase dimenzija: 400-450x245-275 mm	Pressed clay tiles class 1 dim: 400-450x245-275 mm	palette 320 pcs
3.2	K 3	Biber crep I klase dimenzija: 180-200x380-400 mm	Biber clay tiles class 1 dim. 180-200x380-400 mm	
3.3	K 2	Slameni crep I klase (žlebjnjak)	Ridge clay tiles class 1	pcs
3.4	K 4	Paropropusna i vodonepropusna krovna folija kontrola vodene pare iznad termoizolacije	Vapour permeable and waterproof roof sheeting control of water vapor above the insulation	roll 1,5x50 m= 75m2
3.5	K 5	Staklena mineralna vuna termoizolacija potkrovla između rogova	Glass Mineral Wool loft insulation between the rafters	/
3.5.1	A	debljina d=10 cm	thickness d=10 cm	roll 1,2x7 m = 8,4 m2
3.5.2	B	debljina d=12 cm	thickness d=12 cm	roll 1,2x6 m = 7,2 m2
3.5.3	C	debljina d=14 cm	thickness d=14 cm	roll 1,2x6 m = 6,0 m2
3.6	K 6	Parna brana kontrola vodene pare ispod termoizolacije	Vapor barrier control of water vapor below the insulation	roll 1,5x50 m= 75m2
3.7	K 7	Čamova rezana građa različitog preseka dužine 400 cm	Fir lumber of different cross-section length 400 cm	/
3.7.1	A	Rog/Venčanica/Raspinjača 10/12 cm	rafters / wall plate / ridge collar 10/12 cm	pcs length 4m
3.7.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	column / pile / hip rafter / ridge 12/14 cm	pcs length 4m
3.7.3	C	Stub/Grebenjača 14/14 cm	column / hip rafter 14/14 cm	pcs length 4m
3.7.4	H	Tavanjače 18/26 cm	attic beams 18/26 cm	pcs length 4m
3.8	K 8	Čamova rezana građa različitog preseka dužine 600 cm	Fir lumber of different cross-section length 600 cm	/
3.8.1	A	Rog/Venčanica/Raspinjača 10/12 cm	rafters / wall plate / ridge collar 10/12 cm	pcs length 6m
3.8.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	column / pile / hip rafter / ridge 12/14 cm	pcs length 6m
3.8.3	C	Stub/Grebenjača 14/14 cm	column / hip rafter 14/14 cm	pcs length 6m
3.8.4	D	Rožnjača 14/16 cm	Purlin 14/16 cm	pcs length 6m
3.8.5	E	Kosnik/Pajanta 10/10 cm	Strut 10/10 cm	pcs length 6m
3.8.6	F	Klešta 6/12 cm	Collar tie 6/12 cm	pcs length 6m
3.8.7	G	Krovna štafla 5/8 cm	Roof battens 5/8 cm	pcs length 6m
3.8.8	H	Tavanjače 18/26 cm	attic beams 18/26 cm	pcs length 6m
3.9	K 9	Građevinska daska - fosna 4,8/25/400 cm	Fir board 4,8/25/400 cm	pcs length 4m
3.10	K 10	Krovna daska od čamove rezane građe 2,4-2,5/15 cm, isporučuje se dužine l=3,0 metra	Roof fir board 2,4-2,5/15 cm, lenght l=3,0 m	supplied by m3
3.11	K 11	Krovna letva od čamove rezane građe 3 / 5 cm , isporučuje se dužine l=3,0 metra	Fir batten 3 / 5 cm , lenght l=3,0 m	supplied by m1
3.12	K 12	OSB3 vlagoootporne konstruktivne ploče d=18 mm / dim. 2440 x 1220	OSB3 moisture resistant structural panels d=18 mm / dim. 2440 x 1220	pcs - board
3.13	K 13	Standardne gips kartonske ploče - Tip A dimenzije: 1200-1250 x 2000 mm	Standard plasterboard table - Type A dim: 1200-1250 x 2000 mm	pcs - board

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Approximately packaging
3.14	K 14	Vlagootporne gips kartonske ploče - Tip H2 dimenzije: 1200-1250 x 2000 mm	Moisture resistant Plasterboard - Type H2 dim: 1200-1250 x 2000 mm	pcs - board
3.15	K 15	Čelični pocinkovani i farbani olučni elementi prečnika: Ø 100 mm dužine 600 cm	Galvanized steel and painted gutter elements diameter: Ø 100 mm length 600 cm	/
3.15.1	A	Horizontalni polukružni element+ prateći paket uz svaki komad elementa. Sadržaj paketa pratećih elemenata horizontalnog oluka. Jedan paket sadrži: čelo (forkop) - 1 komad, kuka preseka 3-5/20-50mm- 10 komada. Čelični pocinkovani elementi farbani u boji oluka.	Horizontal semicircular element + accompanying package with each piece of element. Content of the accompanying elements of the horizontal gutter. One package contains: forehead (forkop) - 1 piece, hook cross section 3-5 / 20-50mm- 10 pieces. Steel galvanized elements color gowns.	pcs length 6 m
3.15.2	B	Vertikalni kružni oluk + prateći paket uz svaki komad elementa Sadržaj paketa pratećih elemenata vertikalnog oluka. Jedan paket sadrži: kotlič- 1 komad, koleno 72°-3 komada, obujmica (šelna)-4 komada. Čelični pocinkovani elementi farbani u boji oluka.	Vertical circular gutter + accompanying package with each piece of element Package contents of the accompanying elements of the vertical gutter. One package contains: kettle- 1 piece, knee 72 ° -3 pieces, clamp (heel) -4 pieces. Steel galvanized elements color gowns.	pcs length 6 m

4	P	MATERIJAL ZA PODOVE, LAMINAT, PLOČICE I XPS	FLOORING, LAMINATE, TILES AND XPS	
4.1	P 1	Unutrašnje podne keramičke pločice Min. dimenzije pločica: 200x300 mm	Floor tiles for inside Min. tile size: 200x300 mm	supplied by m2
4.2	P 2	Unutrašnje zidne keramičke pločice Min. dimenzije pločica: 200x300 mm	Wall tiles for inside Min. tile size: 200x300 mm	supplied by m2
4.3	P 3	Lepak za keramičke pločice Fleksibilni, polimer-cementni lepak	Glue for ceramic tiles Flexible, polymer-cement glue	bag 25 kg
4.4	P 4	Fleksibilna masa za fugovanje Vodooodbojna fug masa na bazi cementa	Flexible mass for grouting Waterproof grout cement based	bag 2 kg
4.5	P 5	Laminat - jakopresovani (HLP) sa klik sistemom, dezen: hrast natur (prirodni)	Laminate (HLP) with click system, design: oak natural (natural)	pack. 8 pcs
4.6	P 6	Lajsne za laminat od medijapanu materijal: medijapan / MDF	Moldings for laminate MDF Material: MDF / MDF	packet 12 pcs
4.7	P 7	Podloga za laminat od polietilenske pene Sunderasta podloga za laminat	The base for laminate of polyethylene foam Foam base for laminate	roll 1,1x15m =16,5 m2
4.8	P 8	Cementni suvi estrih (cementna košuljica). Pripremljeno cementno praškasto vezivo	Cement dry screed (cement screed) Prepared cement powder binder	bag 40 kg
4.9	P 9	Građevinska PVC folija Za razdvajanje cementne košuljice od termo izolacije.	PVC foil for construction. To separate the cement screed of thermal insulation.	roll w/l = 4/10 m = 40m2

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Approximately packaging
4.10	P 10	Stirodur (XPS za izolaciju na podovima) ploča od ekstrudirane polistirenske pene	Stirodur (XPS insulation for floors) panel of extruded polystyrene foam	/
4.10.1	A	debljine d=2 cm	d=2 cm	packet 20 panel = 15 m2
4.10.2	B	debljine d=5 cm	d=5 cm	packet 8 panel = 6 m2

5	F	MATERIJAL ZA IZRADU FASADE	FACADE MATERIAL	
5.1	F 1	EPS za termoizolaciju fasadnih zidova ploča od ekspandiranog polistirena	Thermal insulation for facade walls (EPS) plates made of expanded polystyrene	/
5.1.1	A	debljina d=8 cm	d=8 cm	packet 6 panels EPS
5.1.2	B	debljina d=10 cm	d=10 cm	packet 5 panels EPS
5.1.3	C	debljina d=12 cm	d=12 cm	packet 4 panels EPS
5.1.4	D	debljina d=14 cm	d=14 cm	packet 3 panels EPS
5.2	F 2	Građevinski lepak za EPS ploče cementni lepak namenjen za lepljenje ploča od ekspandiranog polistirena (EPS) i armiranje armaturne (rabit) mrežice	Construction glue for EPS plates cement adhesive for gluing plates made of expanded polystyrene (EPS) and reinforcing wire (rabit) net	bag 30 kg
5.3	F 3	Armaturna (rabit) staklena mrežica. Visokokvalitetna alkalno postojana staklena mrežica	Reinforcing (rabit) fiberglass mesh High quality alkali resistant fiberglass mesh	roll 50 m2
5.4	F 4	Aktivni predpremaz pre nanošenja tankoslojnog fasadnog maltera. predpremaz za izjednačavanje upijanja - podloga	Active primer before applying the thin-layer plaster primer for the equalization of absorption surface	pack 25 kg
5.5	F 5	Fasadni tankoslojni akrilni malter Završni malter u pastoznom stanju, namenjen za zaštitu fasadnih zidnih površina	Facade thin-layer acrylic plaster Finishing plaster in paste-like state, intended for the protection of facade wall surfaces	pack 25 kg
5.5.1	A	boja približna RAL 1034 -kajsija	color similar to RAL 1034-apricot	/
5.5.2	B	boja približna RAL 6005 -pastelno zelena	color similar to RAL 6005 pastel-green	/
5.5.3	C	boja približna RAL 5023 -pastelno plava	color similar to RAL 5023 pastel-blue	/
5.5.4	D	boja približna RAL 3011 -pastelno crvena	color similar to RAL 3011 pastel-red	/
5.5.5	E	boja približna RAL 8002 -braon	color similar to RAL 8002 brown	/

6	H	MATERIJAL ZA HIDRO IZOLACIJE	WATERPROOFING MATERIAL	
6.1	H 1	Bitulit (prethodni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	Bitulit (previous coating for waterproofing) It is used as delivered (cold process) without heating	bucket 4,5 kg = 11,25 m2 bucket 9 kg = 22,50 m2 barell 200kg = 500 m2
6.2	H 2	Poliazbitol (hladni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	POLYASBITOL (cold coating for waterproofing) It is used as delivered (cold process) without heating	5 kg 22 kg

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Approximately packaging
6.3	H 3	Ter papir Bitumenska hidroizolaciona traka.	Ter paper Bituminous waterproofing tape.	roll 10 m2
6.4	H 4	Kondor V-3 (hidroizolaciona traka) Plastomer-bitumenska traka, uložak stakleni voal, debljina: ≥ 3 mm	Condor V-3 (waterproof tape) Plastomer-bituminous tape, glass mat, thickness: ≥ 3 mm	roll 10m2

7	S	STOLARIJA	DOORS AND WINDOWS	
7.1	S 1	Ulazna vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	Entrance door of PVC (set position) Profile color: white RAL 9003 Number of chambers: ≥ 5 chambers width x height (masonry measures)	/
7.1.1	A	JK 90x210 cm - Leva 90 cm	one wing 90x210 cm - Left 90 cm	pcs
7.1.2	B	JK 90x210 cm - Desna 90 cm	one wing 90x210 cm - Right 90 cm	pcs
7.1.3	C	DK 120x210 cm - Leva 90+30 cm	two wings 120x210 cm - Left 90+30 cm	pcs
7.1.4	D	DK 120x210 cm - Desna 90+30 cm	two wings 120x210 cm - Right 90+30 cm	pcs
	E	JK 90x200 cm - Leva 90 cm	JK 90x200 cm - Left 90 cm	
	F	JK 90x200 cm - Desna 90 cm	JK 90x200 cm - Right 90 cm	
	G	DK 120x200 cm - Leva 90+30 cm	DK 120x200 cm -Left 90+30 cm	
	H	DK 120x200 cm - Desna 90+30 cm	DK 120x200 cm - Right 90+30 cm	
7.2	S 2	Prozori od PVC-a (komplet pozicija). Vertikalno i horizontalno otvaranje, boja profila: bela RAL 9003, broj komora: ≥ 5 komora širina x visina (zidarske mere)	Windows made of PVC (set position) Vertical and horizontal opening, color profile: white RAL 9003, the number of chambers: ≥ 5 chambers width x height (masonry measures)	/
7.2.1	A	JK 60x60 cm	one wing 60x60 cm	pcs
7.2.2	B	JK 80x80 cm	one wing 80x80 cm	pcs
7.2.3	C	JK 80x120 cm	one wing 80x120 cm	pcs
7.2.4	D	JK 80x140 cm	one wing 80x140 cm	pcs
7.2.5	E	JK 100x120 cm	one wing 100x120 cm	pcs
7.2.6	F	JK 100x140 cm	one wing 100x140 cm	pcs
7.2.7	G	DK 120x120 cm	two wings 120x120 cm	pcs
7.2.8	H	DK 120x140 cm	two wings 120x140 cm	pcs
7.2.9	I	DK 140x120 cm	two wings 140x120 cm	pcs
7.2.10	J	DK 140x140 cm	two wings 140x140 cm	pcs
7.2.11	K	DK 160x120 cm	two wings 160x120 cm	pcs
7.2.12	L	DK 160x140 cm	two wings 160x140 cm	pcs

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Approximately packaging
7.3	S 3	Krovni prozor sa aluminijumskom opšivkom od laminirane i impregnirane čamove građe	Roof window with aluminum flashings of laminated and impregnated fir timber	/
7.3.1	A	dimenzije 66 x 118 (širina x visina)	66 x 118 (width x height)	pcs
7.3.2	B	dimenzije 78 x 98 (širina x visina)	78 x 98 (width x height)	pcs
7.3.3	C	dimenzije 78 x 118 (širina x visina)	78 x 118 (width x height)	pcs
7.4	S 4	Balkonska vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	Balcony doors from PVC (set position) Profile color: white RAL 9003 Number of chambers: ≥ 5 chambers width x height (masonry measures)	/
7.4.1	A	JK 90x210 cm - Leva		pcs
7.4.2	B	JK 90x210 cm - Desna		pcs
7.4.3	C	DK 140x210 cm		pcs
	D	JK 90x200 cm - Leva		
	F	JK 90x200 cm - Desna		
	G	DK 140x200 cm		
7.5	S 5	Unutrašnja vrata sa ispunom od kartonskog sača (komplet pozicija). širina x visina (spoljna mera futera)	Internal doors filled with cardboard honeycomb (set position) width x height (external measures footer)	/
7.5.1	A	70x205 cm - Leva (dubina štoka 0-16 cm)	70x205 cm - Left (depth door 0-16 cm)	pcs
7.5.2	B	70x205 cm - Leva (dubina štoka 16-30 cm)	70x205 cm - Left (depth door 16-30 cm)	pcs
7.5.3	C	70x205 cm - Desna (dubina štoka 0-16 cm)	70x205 cm - Right (depth door 0-16 cm)	pcs
7.5.4	D	70x205 cm - Desna (dubina štoka 16-30 cm)	70x205 cm - Right (depth door 16-30 cm)	pcs
7.5.5	E	80x205 cm - Leva (dubina štoka 0-16 cm)	80x205 cm - Left (depth door 0-16 cm)	pcs
7.5.6	F	80x205 cm - Leva (dubina štoka 16-30 cm)	80x205 cm - Left (depth door 16-30 cm)	pcs
7.5.7	G	80x205 cm - Desna (dubina štoka 0-16 cm)	80x205 cm - Right (depth door 0-16 cm)	pcs
7.5.8	H	80x205 cm - Desna (dubina štoka 16-30 cm)	80x205 cm - Right (depth door 16-30 cm)	pcs
7.5.9	I	90x205 cm - Leva (dubina štoka 0-16 cm)	90x205 cm - Left (depth door 0-16 cm)	pcs

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Approximately packaging
7.5.10	J	90x205 cm - Leva (dubina štoka 16-30 cm)	90x205 cm - Left (depth door 16-30 cm)	pcs
7.5.11	K	90x205 cm - Desna (dubina štoka 0-16 cm)	90x205 cm - Right (depth door 0-16 cm)	pcs
7.5.12	L	90x205 cm - Desna (dubina štoka 16-30 cm)	90x205 cm - Right (depth door 16-30 cm)	pcs

8	D	OSTALA OPREMA I MATERIJAL	OTHER EQUIPMENT AND SUPPLIES	
8.1	D 1	Jednostruki dimnjak prečnika Φ 140 mm. Trošlojni montažni dimnjački sistem namenjen za sva ložišta i sve vrste goriva, bez ventilacije. Sastavljen je od: dimnjačke cevi od tehničke keramike, izolacije oko cevi dimnjaka od kamene vune minimalne specifične težine 80kg/m ³ , spoljnog dimnjačkog plašta od lakog betona, vatrostalnog lepka u kartušama, vatrootpornih i gasnonepropusnih atestiranih trošlojnih vratanača, kondenz posude, priključaka za reviziju i ložišta, krovne ploče od staklo betona, nosača tervola i tvrdih tervol ploča za priključke, ventilacione rešetke, dilatacione rozete od nerđajućeg čelika. Spoljna dimenzija dimnjačkog plašta za f14cm=32x32cm.	A single chimney diameter 140 mm. Three-layer prefabricated chimney system designed for all furnaces and all types of fuel, with no ventilation. It is composed of: chimney pipe of technical ceramics, pipe insulation around the chimney of stone wool minimum specific weight of 80kg/m ³ , external chimney mantle of lightweight concrete, refractory adhesive in cartouches, fireproof and gas impermeable certified three-layer side door, condensate pots, connectors for the audit and furnaces, roof tiles of glass concrete girders Tervola and hard tervol plate connections, ventilation grilles, rosettes expansion of stainless steel. The external dimensions of the chimney sleeve f14cm = 32x32cm.	/

9	V	Vodovod Kanalizacija Oprema	WATER SUPPLY AND SEWAGE	
		Vodovod	WATER SUPPLY	
9.1	V 1	Vodovodne polietilenske cevi PE 100 PN16 za radni pritisak 16 bara (SDR 11)	Water supply polyethylene pipe PE 100 PN16 the working pressure of 16 bar (SDR 11)	/
9.1.1	A	d25 (s min. 2,3) - 3/4"	d25 (s min. 2,3) - 3/4"	roll 200m
9.1.2	B	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	roll 200m
9.1.3	C	d40 (s min. 3,7) - 5/4"	d40 (s min. 3,7) - 5/4"	roll 200m
9.2	V 2	Vodovodne cevi PP-R 80 PN20 za radni pritisak 20 bara, bele ili zelene boje (materijal: polipropilen-random kapolimer)	Water pipe PP-R 80 PN20 the working pressure of 20 bar, white or green (material: polypropylene random kapolimer)	/
9.2.1	B	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	roll 100 m
9.2.2	C	d25 (s min. 4,2) - 3/4"	d25 (s min. 4,2) - 3/4"	roll 80 m
9.2.3	D	d32 (s min. 5,4) - 1"	d32 (s min. 5,4) - 1"	roll 56 m
9.3	V 3	Vodomer sa prirubnicama, holenderima i pripadajućom opremom za montažu, za pritisak do 16 bara	water gauge flanges, unions and associated equipment for assembly, for pressure up to 16 bar	/
9.3.1	A	horizontalni 3/4"	Horizontal 3/4"	pcs
9.3.2	B	horizontalni 1"	Horizontal 1"	pcs
9.3.3	C	horizontalni 5/4"	Horizontal 5/4"	pcs
9.4	V 4	Ravni propusni ventil sa ogrankom za pražnjenje	Skip straight valve with a branch drain	/
9.4.1	A	d25 (s min. 2,3) - 3/4"	d25 (s min. 2,3) - 3/4"	pcs
9.4.2	B	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	pcs
9.5	V 5	Propusni ventil za uzidanje sa kapom	Gate valve for the wall with cap	/
9.5.1	A	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	pcs
9.5.2	B	d25 (s min. 4,2) - 3/4"	d25 (s min. 4,2) - 3/4"	pcs
9.5.3	C	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	pcs
9.6	V 6	Ugaoni "EK" sa kapom	Angle valve "EK" with cap	/
9.6.1	A	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	pcs
9.7	V 7	Termička izolacija vodovodnih cevi -tipa plamaflex ISO ili sl.	Thermal insulation of water pipes-type PLAMAFLEX ISO etc..	/
9.7.1	B	d20 (22/9) - 1/2"	d20 (22/9) - 1/2"	m1
9.7.2	C	d25 (25/9) - 3/4"	d25 (25/9) - 3/4"	m1
9.7.3	D	d32 (35/9) - 1"	d32 (35/9) - 1"	m1
		Kanalizacija	SEWAGE	

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Approximately packaging
9.8	V 8	PVC kanalizacione cevi SDR 41 / SN4 / PN5 za spoljni razvod, kućna i ulična kanalizacija	PVC sewer pipe SDR 41 / CH4 / PN5 for external distribution, household and street sewage	/
9.8.1	A	d110 (s min. 3,2) dužina 6,0m	d110 (s min. 3,2) length 6,0m	pack 10 pcs
9.8.2	B	d160 (s min. 4,0) dužina 6,0m	d160 (s min. 4,0) length 6,0m	pack 6 pcs
9.9	V 9	Plastične PP cevi SDR 51 / SN2 / PN4 za unutrašnji (kućni) razvod, kućna kanalizacija	Plastic PP pipes SDR 51 / SN2 / PN4 for internal (home) distribution, household sewage	/
9.9.1	A	d50 (s min. 1,8) dužina 3,0m	d50 (s min. 1,8) length 3,0m	pack 10 pcs
9.9.2	B	d75 (s min. 1,9) dužina 3,0m	d75 (s min. 1,9) length 3,0m	pack 10 pcs
9.9.3	C	d110 (s min. 2,7) dužina 3,0m	d110 (s min. 2,7) length 3,0m	pack 10 pcs
9.10	V 10	Plitki PE podni sливник d50 sa horizontalnim odvodom dimenzija 150x150mm	Shallow PE floor drain with horizontal outlet d50 size 150x150mm	pcs
9.11	V 11	Zidni sifoni sa odvodnom mesinganom cevi d32 (mašina za pranje veša i sudova)	Wall siphon with drainage brass tubes d32 (washing machines, dishwashers)	pcs
		Oprema u kupatilu	BATHROOM EQUIPMENT	
9.12	V 12	WC šolja od keramike I klase	Ceramic toilet bowl class 1	pcs
9.13	V 13	Niskomontažni plastični predzidni vodokotlić za nisku montažu iznad wc šolje sa plovkom i svim potrebnim delovima za funkcionišanje vodokotlića	Low mounting plastic-wall toilet tank for low installation above the toilet bowl float and all the parts required for the operation of flushing	pcs
9.14	V 14	Umivaonikom sa stubom od keramike I klase	Washbasin with ceramic pillar class 1	pcs
9.15	V 15	Pravougaona akrilna tuš kada dimenzija 90x90cm sa odlivnim ventilom	Rectangular acrylic shower size 90x90cm with discharge valve	pcs
9.16	V 16	Električni akumulacioni bojler 50l vertikalni grejač 2 kW, napon 230V, kazan izrađen od emajliranog lima, sa pratećim materijalom za ugradnju	Electric storage water heater 50l vertical heater 2 kW, 230V, caldron made of enameled steel, with supporting material for installation	pcs
9.17	V 17	Ogledalo sa etažerom (iznad umivaonika) četvrtasto, min. dimenzija 80x60cm	Mirror with shelf above wash basin square, min. 80x60cm	
9.18	V 18	Baterije (slavine) hromirane baterije za hladnu i toplu vodu	Lever chrome lever for cold and hot water	/
9.18.1	A	za umivaonik jednoručna stoeća	For washbasin single lever basin standing	pcs
9.18.2	B	za tuš kadu (sa tuš ručicom i tuš crevom) jednoručna sa poniklovanim savitljivim crevom	For shower bath (with shower head and shower hose) Single lever with nickel hoses	pcs
9.18.3	C	za mašinu za veš i sudove, holender slavina DN20/15, s pripadajućom opremom za ugradnju	for washing machine and dishwasher, union DN20/15 taps, and all the equipment for installation	pcs
		Oprema u kuhinji	KITCHEN EQUIPMENT	
9.19	V 19	Korito sudopere od "Inox "-a (dvodelno) (izrađeno od plemenitog nerđajućeg čelika) orjenacione dimenzije: 780 x 435 x 150 mm	kitchen sink "Inox" two-part (made of stainless steel) approx. dim: 780 x 435 x 150 mm	pcs

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Approximately packaging
9.20	V 20	Električni akumulacioni bojler 5l za ugradnju iznad sudopere, vertikalni grejač 2 kW, napon 230V, kazan izrađen od plastike sa pratećim materijalom za ugradnju	Electric storage water heater 5l Fitting over the sink, vertical heater 2 kW, 230V, caldron made of plastic with the materials for installation	pcs
9.21	V 21	Baterija za sudoperu jednoručna stoeća hromirana baterija za hladnu i toplu vodu	Sink-standing single lever chrome mixer for hot and cold water	pcs

10	E	ELEKTRO MATERIJAL I OPREMA	Electrical materials and equipment		
		Kablovi i kablovski pribor			
10.1	E 1	Napojni kablovi	Power cables	/	
10.1.1	A	X00-A 4x16 mm ²	X00-A 4x16 mm ²		
10.1.2	B	PP00-Y 5x6 mm ²	PP00-Y 5x6 mm ²		
10.1.3	C	PP00-Y 5x10 mm ²	PP00-Y 5x10 mm ²		
10.2	E 2	Instalacioni kablovi	Installation cables	/	
10.2.1	A	PP-Y 3x1,5 mm ²	PP-Y 3x1,5 mm ²		
10.2.2	B	PP-Y 4x1,5 mm ²	PP-Y 4x1,5 mm ²		
10.2.3	C	PP-Y 3x2,5 mm ²	PP-Y 3x2,5 mm ²		
10.2.4	D	PP-Y 5x2,5 mm ²	PP-Y 5x2,5 mm ²		
10.3	E 3	Instalacione PVC cevi	PVC pipe for installations of cables	/	
10.3.1	A	fi 16mm ²	fi 16mm ²		
10.3.2	B	fi 50mm ²	fi 50mm ²		
		Razvodne table i oprema			
10.4	E 4	Razvodna tabla Stanska, za ugradnju na zid sa transparentnim vratima, sa mestom za 18 modula, DIN šinom, IP40 Razvodna tabla sadrži :	Junction board (for flat) for wall mounting with transparent door, with space for 18 modules, DIN rail, IP40 Junction board contains:	/	
10.5	E 5	Jednopolni instalacioni prekidač (automatski osigurač) za montažu na DIN šinu nom. napona 230V/400V, 50Hz; karakteristike B; prekidne moći 6kA:	Single-pole fuse (Automatic fuse) for mounting on DIN rail nom. voltage 230V/400V, 50Hz, features B; breaking capacity 6kA:	/	
10.5.1	A	nazivne struje 6A	rated current of 6A		
10.5.2	B	nazivne struje 10A	rated current of 10A		
10.5.3	C	nazivne struje 16A	rated current of 16A		
10.6	E 6	Signalna sijalica za signalizaciju tarife 230V za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	The indicator lamp for signaling rates 230V for use in flat junction board, mounting on DIN rail		
10.7	E 7	FID sklopka za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	FID switch for installation in junction board, mounting on DIN rail	/	
10.7.1	A	16A/30mA, 2-polna, 230V, 50Hz;	16A/30mA, 2-pole, 230V, 50Hz;		
10.7.2	B	25A/0,5A, 4-polna, 230V/400V, 50Hz;	25A / 0,5 A, 4-pole, 230V/400V, 50Hz;		
10.8	E 8	Instalaciono zvono 230V, 50Hz; za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	Bell 230V, 50Hz, for use in junction board, mounting on DIN rail		
		Instalacioni materijal			
10.9	E 9	Instalaciona kutija za ugradnju u završnu obradu zida	Installation box for installation in the wall	/	
10.9.1	A	fi 60 mm	fi 60 mm		
10.9.2	B	fi 78 mm	fi 78 mm		
10.9.3	C	100x100mm	100x100mm		
10.10	E 10	Instalaciona priključnica IP20 za ugradnju u završnu obradu zida sa zaštitnim kontaktom	Installation socket IP20 for installation in the wall with a protection contact	/	
10.10.1	A	16A, monofazna, 250 V	16A, single-phase, 250 V		
10.10.2	B	16A, monofazna, dupla, 250 V	16A, single-phase, double, 250 V		
10.10.3	C	16A, trofazna, 400V	16A, three-phase, 400V		
10.11	E 11	Instalaciona priključnica IP43 sa poklopcom za ugradnju u završnu obradu zida, sa zaštit. kontaktom, 16A, monofazna, 250 V	Installation socket IP43 with cover for use in wall with protection. contact, 16A, single-phase, 250 V		
10.12	E 12	Prekidači IP20 za ugradnju u završnu obradu zida	Switches IP20 for installation in wall	/	
10.12.1	A	običan, 10A	regular, 10A		
10.12.2	B	serijski, 10A	serial, 10A		
10.12.3	C	za zvono	for bell		
10.12.4	D	Instalacioni prekidač "KIP" 16A	Installation switch "KIP" 16A		

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Approximately packaging
10.13	E 13	Indikator za kupatilo sa tri sklopke 16A i signalnim sijalicama	The indicator for the bathroom Three switches 16A and signal lights	
		Svetiljke	Lighting	
10.14	E 14	Svetiljka za montažu na plafon sa inkadescentnom sijalicom 60W, E-27,	Luminaire to be mounted on the ceiling with a 60W incandescent bulb, E-27	/
10.14.1	A	IP 43 za sanitarni čvor	IP 43 for toilet	
10.14.2	B	IP 20 za unutrašnje prostorije	IP 20 for indoor rooms	
	E	Instalacija uzemljenja i gromobrana	Earthing and lightning protection	
10.15	E 15	Pocinkovana traka	Galvanized strip	/
10.15.1	A	FeZn 25x4mm	FeZn 25x4mm	
10.15.2	B	FeZn 20x3mm	FeZn 20x3mm	
10.16	E 16	SIP ormarić (PS49) sa sabirnicom za izjednačenje potencijala	SIP boxes (PS 49) with bonding	
10.17	E 17	Provodnici za uzemljenje	Grounding conductors	/
10.17.1	A	PP00-Y 1x16mm2	PP00-Y 1x16mm2	
10.17.2	B	P/F-Y 1x6mm2	P/F-Y 1x6mm2	
10.17.3	C	P/F-Y 1x4mm2	P/F-Y 1x4mm2	
	E F	Instalacija slabe struje	Installation of low voltage	
10.18	E 18	Antenski koaksijalni kabl RG 6	Antenna Coaxial Cable RG 6	
10.19	E 19	Telefonski kabl sa bakarnim provodnicima IY(St)Y 2x2x0.8mm	Telephone cable with copper conductors IY (St) Y 2x2x0.8mm	
10.20	E 20	Priklučnice	Connectors	/
10.20.1	A	Telefonska - RJ11 za montažu u dozni fi 60mm	Phone - RJ11 for mounting in enclosure fi 60mm	
10.20.2	B	RTV priključnica za montažu u dozni fi 60mm	RTV connector for mounting in enclosure fi 60 mm	

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Orijentaciona potrošnja
1	A	OSNOVNI GRAĐEVINSKI MATERIJAL	BASIC BUILDING MATERIALS	
1.1	O 1	Cement za betone do MB 30	Cement for concrete up to 30 MB	1m3 (MB30) = 350 kg
1.2	O 2	Hidratisani gašeni kreč pripremljen u prahu	Hydrated slaked lime powdered	C:K:P=1:2:6 produženi malter 1m3 maltera=200 kg kreč
1.3	O 3	Rebrasto betonsko gvožđe (RA)	Ribbed reinforcement steel	/
1.3.1	A	10 mm - dužine 12m	10 mm - length 12m	0,645 kg/m1
1.3.2	B	12 mm - dužine 12m	12 mm - length 12m	0,928 kg/m1
1.3.3	C	14 mm - dužine 12m	14 mm - length 12m	1,264 kg/m1
1.3.4	D	16 mm - dužine 12m	16 mm - length 12m	1,651 kg/m1
1.4	O 4	Glatko betonsko gvožđe (GA)	Glibly reinforcement steel	/
1.4.1	B	8 mm - dužine 12m	8 mm - length 12m	0,395 kg/m1
1.4.2	C	10 mm - dužine 12m	10 mm - length 12m	0,617 kg/m1
1.5	O 5	Armatura betonska mreža dim. (dxš) 6000 x 2150 = 12,9 m2/kom	Reinforcement mesh dim. (lxw) 6000 x 2150 = 12,9 m2/pcs	/
1.5.1	A	Q84 /4x4/150x150/	Q84 /4x4/150x150/	1,364 kg/m2
1.5.2	B	Q131 /5x5/150x150/	Q131 /5x5/150x150/	2,122 kg/m2
1.5.3	C	Q188 /6x6/150x150/	Q188 /6x6/150x150/	3,059 kg/m2
1.5.4	D	Q283 /6x6/100x100/	Q283 /6x6/100x100/	4,537 kg/m2
1.5.5	E	Q335 /8x8/150x150/	Q335 /8x8/150x150/	5,443 kg/m2
2	Z	MATERIJAL ZA ZIDANJE, MALTERISANJE, GLETOVANJE I FARBANJE	MASONRY, PLASTERING FAIRING AND PAINTING MATERIAL	
2.1	Z 1	Giter blok (d/š/v) 250x190x190 mm	Gitter block (l/w/h) 250x190x190 mm	100 kom/m3
2.2	Z 2	Giter polublok (12cm) (d/š/v) 250x120x190mm	Gitter half block (12cm) (l/w/h) 250x120x190mm	zid 12 cm = 20 kom/m2 175 kom/m3
2.3	Z 3	Opeka puna (d/š/v) 250x120x65 mm	Brick (full-without holes) (l/w/h) 250x120x65 mm	384 kom/m3 zid 12 cm = 52 kom/m2
2.4	Z 4	Blok od porobetona za pregradni zid (d/š/v) 625x200x200 mm	Aerated concrete block for partition wall (l/w/h) 625x200x200 mm	40 kom/m3 zid 20 cm = 8 kom/m2
2.5	Z 5	Fert nosači (gredice) Dužina nosača je jednak dužini binora = širina otvora između zidova + 30 cm. Broj gredica = dužina prostorije x 0,40	Fert beams Boom length is equal to the length of Binor = width of the openings between the walls + 30 cm. Number of beams = length of room x 0.40	/
2.5.1	A	0,00-3,90 m	0,00-3,90 m	m1=m1
2.5.2	B	3,91-4,50 m	3,91-4,50 m	m1=m1
2.5.3	C	4,51-4,90 m	4,51-4,90 m	m1=m1
2.5.4	D	4,91-5,30 m	4,91-5,30 m	m1=m1
2.5.5	E	5,31-5,90 m	5,31-5,90 m	m1=m1
2.5.6	F	5,91-6,30 m	5,91-6,30 m	m1=m1
2.6	Z 6	Fert ispuna (d/š/v) 245x285/275x160 mm	Fert fillings (l/w/h) 245x285/275x160 mm	10 kom/m2
2.7	Z 7	Malter za zidanje Pripremljeno krečno - cementno vezivo	Mortar for masonry Prepared lime - cement binder	20 kg/m ² /cm džak 40kg = 2 m2
2.8	Z 8	Malter za malterisanje Pripremljeno krečno - cementno vezivo	Mortar for plastering Prepared lime - cement binder	13 kg/m ² /cm prosek maltera 2 cm = 26kg/m ² /2cm džak 35 kg = 1.54 m2
2.9	Z 9	Krečna glet masa Bezcementna krečna masa za gletovanje	Lime smoothing mass No cement lime compound for smoothing	1,5 kg/m2/mm prosek 3mm = 4,5 kg/m2/3mm džak 15kg = 3.30 m2 džak 25kg = 5,50 m2

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Orjentaciona potrošnja
2.10	Z 10	Poludisperzivna boja Poludisperziona boja razrediva vodom	Semi dispersion paint	300g/m2 u dva prelaza kanta 5 kg = 16,50 m2 kanta 10 kg = 33,30 m2 kanta 25 kg = 82,30 m2

3	K	MATERIJAL ZA KROVNU KONSTRUKCIJU, KROVNI POKRIVAČ, OSB I GIPS KARONSKE TABLE	ROOF CONSTRUCTION AND ROOFING MATERIAL, OSB AND PLASTERBOARD TABLE	
3.1	K 1	Presovani glineni crep I klase dimenzija: 400-450x245-275 mm	Pressed clay tiles class 1 dim: 400-450x245-275 mm	16 kom/m2
3.2	K 3	Biber crep I klase dimenzija: 180-200x380-400 mm	Biber clay tiles class 1 dim. 180-200x380-400 mm	
3.3	K 2	Slameni crep I klase (žlebjnjak)	Ridge clay tiles class 1	3 kom/m1
3.4	K 4	Paropropusna i vodonepropusna krovna folija kontrola vodene pare iznad termoizolacije	Vapour permeable and waterproof roof sheeting control of water vapor above the insulation	m2=m2
3.5	K 5	Staklena mineralna vuna termoizolacija potkovlja između rogova	Glass Mineral Wool loft insulation between the rafters	/
3.5.1	A	debljina d=10 cm	thickness d=10 cm	m2=m2
3.5.2	B	debljina d=12 cm	thickness d=12 cm	m2=m2
3.5.3	C	debljina d=14 cm	thickness d=14 cm	m2=m2
3.6	K 6	Parna brana kontrola vodene pare ispod termoizolacije	Vapor barrier control of water vapor below the insulation	m2=m2
3.7	K 7	Čamova rezana građa različitog preseka dužine 400 cm	Fir lumber of different cross-section length 400 cm	/
3.7.1	A	Rog/Venčanica/Raspinjača 10/12 cm	rafters / wall plate / ridge collar 10/12 cm	komad 0,048 m3
3.7.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	column / pile / hip rafter / ridge 12/14 cm	komad 0,067 m3
3.7.3	C	Stub/Grebenjača 14/14 cm	column / hip rafter 14/14 cm	komad 0,078 m3
3.7.4	H	Tavanjače 18/26 cm	attic beams 18/26 cm	komad 0,187 m3
3.8	K 8	Čamova rezana građa različitog preseka dužine 600 cm	Fir lumber of different cross-section length 600 cm	/
3.8.1	A	Rog/Venčanica/Raspinjača 10/12 cm	rafters / wall plate / ridge collar 10/12 cm	komad 0,072 m3
3.8.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	column / pile / hip rafter / ridge 12/14 cm	komad 0,084 m3
3.8.3	C	Stub/Grebenjača 14/14 cm	column / hip rafter 14/14 cm	komad 0,117 m3
3.8.4	D	Rožnjača 14/16 cm	Purlin 14/16 cm	komad 0,134 m3
3.8.5	E	Kosnik/Pajanta 10/10 cm	Strut 10/10 cm	komad 0,060 m3
3.8.6	F	Klešta 6/12 cm	Collar tie 6/12 cm	komad 0,043 m3
3.8.7	G	Krovna štafla 5/8 cm	Roof battens 5/8 cm	komad 0,024 m3
3.8.8	H	Tavanjače 18/26 cm	attic beams 18/26 cm	komad 0,281 m3
3.9	K 9	Građevinska daska - fosna 4,8/25/400 cm	Fir board 4,8/25/400 cm	komad 0,048 m3
3.10	K 10	Krovna daska od čamove rezane građe 2,4-2,5/15 cm, isporučuje se dužine l=3,0 metra	Roof fir board 2,4-2,5/15 cm, lenght l=3,0 m	2,20 daske / 1m2 40,40 daske / m3
3.11	K 11	Krovna letva od čamove rezane građe 3 / 5 cm , isporučuje se dužine l=3,0 metra	Fir batten 3 / 5 cm , lenght l=3,0 m	m1=m1
3.12	K 12	OSB3 vlagoootporne konstruktivne ploče d=18 mm / dim. 2440 x 1220	OSB3 moisture resistant structural panels d=18 mm / dim. 2440 x 1220	komad - tabla = 2,97 m2
3.13	K 13	Standardne gips kartonske ploče - Tip A dimenzije: 1200-1250 x 2000 mm	Standard plasterboard table - Type A dim: 1200-1250 x 2000 mm	komad - tabla = 2,4 m2

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Orientaciona potrošnja
3.14	K 14	Vlagootporne gips kartonske ploče - Tip H2 dimenzije: 1200-1250 x 2000 mm	Moisture resistant Plasterboard - Type H2 dim: 1200-1250 x 2000 mm	komad - tabla = 2,4 m2
3.15	K 15	Čelični pocinkovani i farbani olučni elementi prečnika: Ø 100 mm dužine 600 cm	Galvanized steel and painted gutter elements diameter: Ø 100 mm length 600 cm	/
3.15.1	A	Horizontalni polukružni element+ prateći paket uz svaki komad elementa. Sadržaj paketa pratećih elemenata horizontalnog oluka. Jedan paket sadrži: čelo (forkop) - 1 komad, kuka preseka 3-5/20-50mm- 10 komada. Čelični pocinkovani elementi farbani u boji oluka.	Horizontal semicircular element + accompanying package with each piece of element. Content of the accompanying elements of the horizontal gutter. One package contains: forehead (forkop) - 1 piece, hook cross section 3-5 / 20-50mm- 10 pieces. Steel galvanized elements color gowns.	210 din/m1
3.15.2	B	Vertikalni kružni oluk + prateći paket uz svaki komad elementa Sadržaj paketa pratećih elemenata vertikalnog oluka. Jedan paket sadrži: kotlič- 1 komad, koleno 72°-3 komada, obujmica (šelna)-4 komada. Čelični pocinkovani elementi farbani u boji oluka.	Vertical circular gutter + accompanying package with each piece of element Package contents of the accompanying elements of the vertical gutter. One package contains: kettle- 1 piece, knee 72 ° -3 pieces, clamp (heel) -4 pieces. Steel galvanized elements color gowns.	211 din/m1

4	P	MATERIJAL ZA PODOVE, LAMINAT, PLOČICE I XPS	FLOORING, LAMINATE, TILES AND XPS	
4.1	P 1	Unutrašnje podne keramičke pločice Min. dimenzije pločica: 200x300 mm	Floor tiles for inside Min. tile size: 200x300 mm	m2=m2
4.2	P 2	Unutrašnje zidne keramičke pločice Min. dimenzije pločica: 200x300 mm	Wall tiles for inside Min. tile size: 200x300 mm	m2=m2
4.3	P 3	Lepak za keramičke pločice Fleksibilni, polimer-cementni lepak	Glue for ceramic tiles Flexible, polymer-cement glue	3 kg / m2 džak 25 kg =8,30 m2
4.4	P 4	Fleksibilna masa za fugovanje Vodooodbojna fug masa na bazi cementa	Flexible mass for grouting Waterproof grout cement based	1kg/m2 za fuge do 5 mm džak 2 kg =1,66 m2
4.5	P 5	Laminat - jakopresovani (HLP) sa klik sistemom, dezen: hrast natur (prirodni)	Laminate (HLP) with click system, design: oak natural (natural)	8 pcs = 2 m2
4.6	P 6	Lajsne za laminat od medijapanu materijal: medijapan / MDF	Moldings for laminate MDF Material: MDF / MDF	orjen. dužina lajsne 2,6m paket je oko 31,2 metara
4.7	P 7	Podloga za laminat od polietilenske pene Sunderasta podloga za laminat	The base for laminate of polyethylene foam Foam base for laminate	m2=m2
4.8	P 8	Cementni suvi estrih (cementna košuljica). Pripremljeno cementno praškasto vezivo	Cement dry screed (cement screed) Prepared cement powder binder	20 kg/m2/cm prosek visine od 5 cm = 100 kg/m2/5cm džak 40 kg = 0,4m2 /5cm
4.9	P 9	Građevinska PVC folija Za razdvajanje cementne košuljice od termo izolacije.	PVC foil for construction. To separate the cement screed of thermal insulation.	m2=m2

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Orientaciona potrošnja
4.10	P 10	Stirodur (XPS za izolaciju na podovima) ploča od ekstrudirane polistirenske pene	Stirodur (XPS insulation for floors) panel of extruded polystyrene foam	/
4.10.1	A	debljine d=2 cm	d=2 cm	m2=m2
4.10.2	B	debljine d=5 cm	d=5 cm	m2=m2

5	F	MATERIJAL ZA IZRADU FASADE	FACADE MATERIAL	
5.1	F 1	EPS za termoizolaciju fasadnih zidova ploča od ekspandiranog polistirena	Thermal insulation for facade walls (EPS) plates made of expanded polystyrene	/
5.1.1	A	debljina d=8 cm	d=8 cm	3 m2/paket m2=m2
5.1.2	B	debljina d=10 cm	d=10 cm	2,5m2/paket m2=m2
5.1.3	C	debljina d=12 cm	d=12 cm	2m2/paket m2=m2
5.1.4	D	debljina d=14 cm	d=14 cm	1,5m2/paket m2=m2
5.2	F 2	Građevinski lepak za EPS ploče cementni lepak namenjen za lepljenje ploča od ekspandiranog polistirena (EPS) i armiranje armaturne (rabic) mrežice	Construction glue for EPS plates cement adhesive for gluing plates made of expanded polystyrene (EPS) and reinforcing wire (rabic) net	5,5kg/m2 za lepljenje 7kg/m2 za armiranje ukupno 12,5 kg / m2 džak 30 kg = 2,40 m2
5.3	F 3	Armaturna (rabic) staklena mrežica. Visokokvalitetna alkalno postojana staklena mrežica	Reinforcing (rabic) fiberglass mesh High quality alkali resistant fiberglass mesh	1,15 m2=m2
5.4	F 4	Aktivni predpremaz pre nanošenja tankoslojnog fasadnog maltera. predpremaz za izjednačavanje upijanja - podloga	Active primer before applying the thin-layer plaster primer for the equalization of absorption surface	0,2 kg/m2 pak.25 kg = 125 m2
5.5	F 5	Fasadni tankoslojni akrilni malter Završni malter u pastoznom stanju, namenjen za zaštitu fasadnih zidnih površina	Facade thin-layer acrylic plaster Finishing plaster in paste-like state, intended for the protection of facade wall surfaces	3,5 kg/ m2 pak. 25 kg = 7,1 m2
5.5.1	A	boja približna RAL 1034 -kajsija	color similar to RAL 1034-apricot	/
5.5.2	B	boja približna RAL 6005 -pastelno zelena	color similar to RAL 6005 pastel-green	/
5.5.3	C	boja približna RAL 5023 -pastelno plava	color similar to RAL 5023 pastel-blue	/
5.5.4	D	boja približna RAL 3011 -pastelno crvena	color similar to RAL 3011 pastel-red	/
5.5.5	E	boja približna RAL 8002 -braon	color similar to RAL 8002 brown	/

6	H	MATERIJAL ZA HIDRO IZOLACIJE	WATERPROOFING MATERIAL	
6.1	H 1	Bitulit (prethodni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	Bitulit (previous coating for waterproofing) It is used as delivered (cold process) without heating	400 g/m2 za beton
6.2	H 2	Poliazbitol (hladni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	POLYASBITOL (cold coating for waterproofing) It is used as delivered (cold process) without heating	2kg/m2 u jednom sloju 4kg/m2 u dva sloja

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Orientaciona potrošnja
6.3	H 3	Ter papir Bitumenska hidroizolaciona traka.	Ter paper Bituminous waterproofing tape.	m2=m2
6.4	H 4	Kondor V-3 (hidroizolaciona traka) Plastomer-bitumenska traka, uložak stakleni voal, debljina: ≥ 3 mm	Condor V-3 (waterproof tape) Plastomer-bituminous tape, glass mat, thickness: ≥ 3 mm	m2=m2

7	S	STOLARIJA	DOORS AND WINDOWS	
7.1	S 1	Ulazna vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	Entrance door of PVC (set position) Profile color: white RAL 9003 Number of chambers: ≥ 5 chambers width x height (masonry measures)	/
7.1.1	A	JK 90x210 cm - Leva 90 cm	one wing 90x210 cm - Left 90 cm	komad
7.1.2	B	JK 90x210 cm - Desna 90 cm	one wing 90x210 cm - Right 90 cm	komad
7.1.3	C	DK 120x210 cm - Leva 90+30 cm	two wings 120x210 cm - Left 90+30 cm	komad
7.1.4	D	DK 120x210 cm - Desna 90+30 cm	two wings 120x210 cm - Right 90+30 cm	komad
	E	JK 90x200 cm - Leva 90 cm	JK 90x200 cm - Left 90 cm	
	F	JK 90x200 cm - Desna 90 cm	JK 90x200 cm - Right 90 cm	
	G	DK 120x200 cm - Leva 90+30 cm	DK 120x200 cm -Left 90+30 cm	
	H	DK 120x200 cm - Desna 90+30 cm	DK 120x200 cm - Right 90+30 cm	
7.2	S 2	Prozori od PVC-a (komplet pozicija). Vertikalno i horizontalno otvaranje, boja profila: bela RAL 9003, broj komora: ≥ 5 komora širina x visina (zidarske mere)	Windows made of PVC (set position) Vertical and horizontal opening, color profile: white RAL 9003, the number of chambers: ≥ 5 chambers width x height (masonry measures)	/
7.2.1	A	JK 60x60 cm	one wing 60x60 cm	komad
7.2.2	B	JK 80x80 cm	one wing 80x80 cm	komad
7.2.3	C	JK 80x120 cm	one wing 80x120 cm	komad
7.2.4	D	JK 80x140 cm	one wing 80x140 cm	komad
7.2.5	E	JK 100x120 cm	one wing 100x120 cm	komad
7.2.6	F	JK 100x140 cm	one wing 100x140 cm	komad
7.2.7	G	DK 120x120 cm	two wings 120x120 cm	komad
7.2.8	H	DK 120x140 cm	two wings 120x140 cm	komad
7.2.9	I	DK 140x120 cm	two wings 140x120 cm	komad
7.2.10	J	DK 140x140 cm	two wings 140x140 cm	komad
7.2.11	K	DK 160x120 cm	two wings 160x120 cm	komad
7.2.12	L	DK 160x140 cm	two wings 160x140 cm	komad

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Orjentaciona potrošnja
7.3	S 3	Krovni prozor sa aluminijumskom opšivkom od laminirane i impregnirane čamove građe	Roof window with aluminum flashings of laminated and impregnated fir timber	komad
7.3.1	A	dimenzije 66 x 118 (širina x visina)	66 x 118 (width x height)	komad
7.3.2	B	dimenzije 78 x 98 (širina x visina)	78 x 98 (width x height)	komad
7.3.3	C	dimenzije 78 x 118 (širina x visina)	78 x 118 (width x height)	komad
7.4	S 4	Balkonska vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	Balcony doors from PVC (set position) Profile color: white RAL 9003 Number of chambers: ≥ 5 chambers width x height (masonry measures)	/
7.4.1	A	JK 90x210 cm - Leva		komad
7.4.2	B	JK 90x210 cm - Desna		komad
7.4.3	C	DK 140x210 cm		komad
	D	JK 90x200 cm - Leva		
	F	JK 90x200 cm - Desna		
	G	DK 140x200 cm		
7.5	S 5	Unutrašnja vrata sa ispunom od kartonskog sača (komplet pozicija). širina x visina (spoljna mera futera)	Internal doors filled with cardboard honeycomb (set position) width x height (external measures footer)	/
7.5.1	A	70x205 cm - Leva (dubina štoka 0-16 cm)	70x205 cm - Left (depth door 0-16 cm)	komad
7.5.2	B	70x205 cm - Leva (dubina štoka 16-30 cm)	70x205 cm - Left (depth door 16-30 cm)	komad
7.5.3	C	70x205 cm - Desna (dubina štoka 0-16 cm)	70x205 cm - Right (depth door 0-16 cm)	komad
7.5.4	D	70x205 cm - Desna (dubina štoka 16-30 cm)	70x205 cm - Right (depth door 16-30 cm)	komad
7.5.5	E	80x205 cm - Leva (dubina štoka 0-16 cm)	80x205 cm - Left (depth door 0-16 cm)	komad
7.5.6	F	80x205 cm - Leva (dubina štoka 16-30 cm)	80x205 cm - Left (depth door 16-30 cm)	komad
7.5.7	G	80x205 cm - Desna (dubina štoka 0-16 cm)	80x205 cm - Right (depth door 0-16 cm)	komad
7.5.8	H	80x205 cm - Desna (dubina štoka 16-30 cm)	80x205 cm - Right (depth door 16-30 cm)	komad
7.5.9	I	90x205 cm - Leva (dubina štoka 0-16 cm)	90x205 cm - Left (depth door 0-16 cm)	komad

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Orjentaciona potrošnja
7.5.10	J	90x205 cm - Leva (dubina štoka 16-30 cm)	90x205 cm - Left (depth door 16-30 cm)	komad
7.5.11	K	90x205 cm - Desna (dubina štoka 0-16 cm)	90x205 cm - Right (depth door 0-16 cm)	komad
7.5.12	L	90x205 cm - Desna (dubina štoka 16-30 cm)	90x205 cm - Right (depth door 16-30 cm)	komad

8	D	OSTALA OPREMA I MATERIJAL	OTHER EQUIPMENT AND SUPPLIES	
8.1	D 1	Jednostruki dimnjak prečnika Φ 140 mm. Trošlojni montažni dimnjakački sistem namenjen za sva ložišta i sve vrste goriva, bez ventilacije. Sastavljen je od: dimnjakačke cevi od tehničke keramike, izolacije oko cevi dimnjaka od kamene vune minimalne specifične težine 80kg/m ³ , spoljnog dimnjakačkog plašta od lakog betona, vatrostalnog lepka u kartušama, vatrootpornih i gasnonepropusnih atestiranih trošlojnih vratanača, kondenz posude, priključaka za reviziju i ložišta, krovne ploče od staklo betona, nosača tervola i tvrdih tervol ploča za priključke, ventilacione rešetke, dilatacione rozete od nerđajućeg čelika. Spoljna dimenzija dimnjakačkog plašta za f14cm=32x32cm.	A single chimney diameter 140 mm. Three-layer prefabricated chimney system designed for all furnaces and all types of fuel, with no ventilation. It is composed of: chimney pipe of technical ceramics, pipe insulation around the chimney of stone wool minimum specific weight of 80kg/m ³ , external chimney mantle of lightweight concrete, refractory adhesive in cartouches, fireproof and gas impermeable certified three-layer side door, condensate pots, connectors for the audit and furnaces, roof tiles of glass concrete girders Tervola and hard tervol plate connections, ventilation grilles, rosettes expansion of stainless steel. The external dimensions of the chimney sleeve f14cm = 32x32cm.	/

9	V	Vodovod Kanalizacija Oprema	WATER SUPPLY AND SEWAGE	
		Vodovod	WATER SUPPLY	
9.1	V 1	Vodovodne polietilenske cevi PE 100 PN16 za radni pritisak 16 bara (SDR 11)	Water supply polyethylene pipe PE 100 PN16 the working pressure of 16 bar (SDR 11)	/
9.1.1	A	d25 (s min. 2,3) - 3/4"	d25 (s min. 2,3) - 3/4"	m1=m1
9.1.2	B	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	m1=m1
9.1.3	C	d40 (s min. 3,7) - 5/4"	d40 (s min. 3,7) - 5/4"	m1=m1
9.2	V 2	Vodovodne cevi PP-R 80 PN20 za radni pritisak 20 bara, bele ili zelene boje (materijal: polipropilen-random kapolimer)	Water pipe PP-R 80 PN20 the working pressure of 20 bar, white or green (material: polypropylene random kapolimer)	/
9.2.1	B	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	m1=m1
9.2.2	C	d25 (s min. 4,2) - 3/4"	d25 (s min. 4,2) - 3/4"	m1=m1
9.2.3	D	d32 (s min. 5,4) - 1"	d32 (s min. 5,4) - 1"	m1=m1
9.3	V 3	Vodomer sa prirubnicama, holenderima i pripadajućom opremom za montažu, za pritisak do 16 bara	water gauge flanges, unions and associated equipment for assembly, for pressure up to 16 bar	/
9.3.1	A	horizontalni 3/4"	Horizontal 3/4"	komad
9.3.2	B	horizontalni 1"	Horizontal 1"	komad
9.3.3	C	horizontalni 5/4"	Horizontal 5/4"	komad
9.4	V 4	Ravni propusni ventil sa ogrankom za pražnjenje	Skip straight valve with a branch drain	/
9.4.1	A	d25 (s min. 2,3) - 3/4"	d25 (s min. 2,3) - 3/4"	komad
9.4.2	B	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	komad
9.5	V 5	Propusni ventil za uzidanje sa kapom	Gate valve for the wall with cap	/
9.5.1	A	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	komad
9.5.2	B	d25 (s min. 4,2) - 3/4"	d25 (s min. 4,2) - 3/4"	komad
9.5.3	C	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	komad
9.6	V 6	Ugaoni "EK" sa kapom	Angle valve "EK" with cap	/
9.6.1	A	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	komad
9.7	V 7	Termička izolacija vodovodnih cevi -tipa plamaflex ISO ili sl.	Thermal insulation of water pipes-type PLAMAFLEX ISO etc..	/
9.7.1	B	d20 (22/9) - 1/2"	d20 (22/9) - 1/2"	m1=m1
9.7.2	C	d25 (25/9) - 3/4"	d25 (25/9) - 3/4"	m1=m1
9.7.3	D	d32 (35/9) - 1"	d32 (35/9) - 1"	m1=m1
		Kanalizacija	SEWAGE	

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Orientaciona potrošnja
9.8	V 8	PVC kanalizacione cevi SDR 41 / SN4 / PN5 za spoljni razvod, kućna i ulična kanalizacija	PVC sewer pipe SDR 41 / CH4 / PN5 for external distribution, household and street sewage	/
9.8.1	A	d110 (s min. 3,2) dužina 6,0m	d110 (s min. 3,2) length 6,0m	m1=m1
9.8.2	B	d160 (s min. 4,0) dužina 6,0m	d160 (s min. 4,0) length 6,0m	m1=m1
9.9	V 9	Plastične PP cevi SDR 51 / SN2 / PN4 za unutrašnji (kućni) razvod, kućna kanalizacija	Plastic PP pipes SDR 51 / SN2 / PN4 for internal (home) distribution, household sewage	/
9.9.1	A	d50 (s min. 1,8) dužina 3,0m	d50 (s min. 1,8) length 3,0m	m1=m1
9.9.2	B	d75 (s min. 1,9) dužina 3,0m	d75 (s min. 1,9) length 3,0m	m1=m1
9.9.3	C	d110 (s min. 2,7) dužina 3,0m	d110 (s min. 2,7) length 3,0m	m1=m1
9.10	V 10	Plitki PE podni sливник d50 sa horizontalnim odvodom dimenzija 150x150mm	Shallow PE floor drain with horizontal outlet d50 size 150x150mm	kom = kom
9.11	V 11	Zidni sifoni sa odvodnom mesinganom cevi d32 (mašina za pranje veša i sudova)	Wall siphon with drainage brass tubes d32 (washing machines, dishwashers)	kom = kom
		Oprema u kupatilu	BATHROOM EQUIPMENT	
9.12	V 12	WC šolja od keramike I klase	Ceramic toilet bowl class 1	kom = kom
9.13	V 13	Niskomontažni plastični predzidni vodokotlić za nisku montažu iznad wc šolje sa plovkom i svim potrebnim delovima za funkcionišanje vodokotlića	Low mounting plastic-wall toilet tank for low installation above the toilet bowl float and all the parts required for the operation of flushing	kom = kom
9.14	V 14	Umivaonikom sa stubom od keramike I klase	Washbasin with ceramic pillar class 1	kom = kom
9.15	V 15	Pravougaona akrilna tuš kada dimenzija 90x90cm sa odlivnim ventilom	Rectangular acrylic shower size 90x90cm with discharge valve	kom = kom
9.16	V 16	Električni akumulacioni bojler 50l vertikalni grejač 2 kW, napon 230V, kazan izrađen od emajliranog lima, sa pratećim materijalom za ugradnju	Electric storage water heater 50l vertical heater 2 kW, 230V, caldron made of enameled steel, with supporting material for installation	kom = kom
9.17	V 17	Ogledalo sa etažerom (iznad umivaonika) četvrtasto, min. dimenzija 80x60cm	Mirror with shelf above wash basin square, min. 80x60cm	
9.18	V 18	Baterije (slavine) hromirane baterije za hladnu i toplu vodu	Lever chrome lever for cold and hot water	/
9.18.1	A	za umivaonik jednoručna stojeća	For washbasin single lever basin standing	kom = kom
9.18.2	B	za tuš kadu (sa tuš ručicom i tuš crevom) jednoručna sa poniklovanim savitljivim crevom	For shower bath (with shower head and shower hose) Single lever with nickel hoses	kom = kom
9.18.3	C	za mašinu za veš i sudove, holender slavina DN20/15, s pripadajućom opremom za ugradnju	for washing machine and dishwasher, union DN20/15 taps, and all the equipment for installation	kom = kom
		Oprema u kuhinji	KITCHEN EQUIPMENT	
9.19	V 19	Korito sudopere od "Inox "-a (dvodelno) (izrađeno od plemenitog nerđajućeg čelika) orjenacione dimenzije: 780 x 435 x 150 mm	kitchen sink "Inox" two-part (made of stainless steel) approx. dim: 780 x 435 x 150 mm	kom = kom

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Orjentaciona potrošnja
9.20	V 20	Električni akumulacioni bojler 5l za ugradnju iznad sudopere, vertikalni grejač 2 kW, napon 230V, kazan izrađen od plastike sa pratećim materijalom za ugradnju	Electric storage water heater 5l Fitting over the sink, vertical heater 2 kW, 230V, caldron made of plastic with the materials for installation	kom = kom
9.21	V 21	Baterija za sudoperu jednoručna stoeća hromirana baterija za hladnu i toplu vodu	Sink-standing single lever chrome mixer for hot and cold water	kom = kom

ELEKTRO MATERIJAL I OPREMA			Electrical materials and equipment	
Kablovi i kablovski pribor			Electrical cables and cable accessories	
10.1	E 1	Napojni kablovi	Power cables	/
10.1.1	A	X00-A 4x16 mm ²	X00-A 4x16 mm ²	m1=m1
10.1.2	B	PP00-Y 5x6 mm ²	PP00-Y 5x6 mm ²	m1=m1
10.1.3	C	PP00-Y 5x10 mm ²	PP00-Y 5x10 mm ²	m1=m1
10.2	E 2	Instalacioni kablovi	Installation cables	/
10.2.1	A	PP-Y 3x1,5 mm ²	PP-Y 3x1,5 mm ²	m1=m1
10.2.2	B	PP-Y 4x1,5 mm ²	PP-Y 4x1,5 mm ²	m1=m1
10.2.3	C	PP-Y 3x2,5 mm ²	PP-Y 3x2,5 mm ²	m1=m1
10.2.4	D	PP-Y 5x2,5 mm ²	PP-Y 5x2,5 mm ²	m1=m1
10.3	E 3	Instalacione PVC cevi	PVC pipe for installations of cables	/
10.3.1	A	fi 16mm ²	fi 16mm ²	m1=m1
10.3.2	B	fi 50mm ²	fi 50mm ²	m1=m1
Razvodne table i oprema			The junction boards and equipment	
10.4	E 4	Razvodna tabla Stanska, za ugradnju na zid sa transparentnim vratima, sa mestom za 18 modula, DIN šinom, IP40 Razvodna tabla sadrži :	Junction board (for flat) for wall mounting with transparent door, with space for 18 modules, DIN rail, IP40 Junction board contains:	kom = kom
10.5	E 5	Jednopolni instalacioni prekidač (automatski osigurač) za montažu na DIN šinu nom. napona 230V/400V, 50Hz; karakteristike B; prekidne moći 6kA:	Single-pole fuse (Automatic fuse) for mounting on DIN rail nom. voltage 230V/400V, 50Hz, features B; breaking capacity 6kA:	/
10.5.1	A	nazivne struje 6A	rated current of 6A	kom = kom
10.5.2	B	nazivne struje 10A	rated current of 10A	kom = kom
10.5.3	C	nazivne struje 16A	rated current of 16A	kom = kom
10.6	E 6	Signalna sijalica za signalizaciju tarife 230V za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	The indicator lamp for signaling rates 230V for use in flat junction board, mounting on DIN rail	kom = kom
10.7	E 7	FID sklopka za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	FID switch for installation in junction board, mounting on DIN rail	/
10.7.1	A	16A/30mA, 2-polna, 230V, 50Hz;	16A/30mA, 2-pole, 230V, 50Hz;	kom = kom
10.7.2	B	25A/0,5A, 4-polna, 230V/400V, 50Hz;	25A / 0,5 A, 4-pole, 230V/400V, 50Hz;	kom = kom
10.8	E 8	Instalaciono zvono 230V, 50Hz; za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	Bell 230V, 50Hz, for use in junction board, mounting on DIN rail	kom = kom
Instalacioni materijal			Installation material	
10.9	E 9	Instalaciona kutija za ugradnju u završnu obradu zida	Installation box for installation in the wall	/
10.9.1	A	fi 60 mm	fi 60 mm	kom = kom
10.9.2	B	fi 78 mm	fi 78 mm	kom = kom
10.9.3	C	100x100mm	100x100mm	kom = kom
10.10	E 10	Instalaciona priključnica IP20 za ugradnju u završnu obradu zida sa zaštitnim kontaktom	Installation socket IP20 for installation in the wall with a protection contact	/
10.10.1	A	16A, monofazna, 250 V	16A, single-phase, 250 V	kom = kom
10.10.2	B	16A, monofazna, dupla, 250 V	16A, single-phase, double, 250 V	kom = kom
10.10.3	C	16A, trofazna, 400V	16A, three-phase, 400V	kom = kom
10.11	E 11	Instalaciona priključnica IP43 sa poklopcom za ugradnju u završnu obradu zida, sa zaštit. kontaktom, 16A, monofazna, 250 V	Installation socket IP43 with cover for use in wall with protection. contact, 16A, single-phase, 250 V	kom = kom
10.12	E 12	Prekidači IP20 za ugradnju u završnu obradu zida	Switches IP20 for installation in wall	/
10.12.1	A	običan, 10A	regular, 10A	kom = kom
10.12.2	B	serijski, 10A	serial, 10A	kom = kom
10.12.3	C	za zvono	for bell	kom = kom
10.12.4	D	Instalacioni prekidač "KIP" 16A	Installation switch "KIP" 16A	kom = kom

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Orientaciona potrošnja
10.13	E 13	Indikator za kupatilo sa tri sklopke 16A i signalnim sijalicama	The indicator for the bathroom Three switches 16A and signal lights	kom = kom
		Svetiljke	Lighting	
10.14	E 14	Svetiljka za montažu na plafon sa inkadescentnom sijalicom 60W, E-27,	Luminaire to be mounted on the ceiling with a 60W incandescent bulb, E-27	/
10.14.1	A	IP 43 za sanitarni čvor	IP 43 for toilet	kom = kom
10.14.2	B	IP 20 za unutrašnje prostorije	IP 20 for indoor rooms	kom = kom
	E	Instalacija uzemljenja i gromobrana	Earthing and lightning protection	
10.15	E 15	Pocinkovana traka	Galvanized strip	/
10.15.1	A	FeZn 25x4mm	FeZn 25x4mm	m1=m1
10.15.2	B	FeZn 20x3mm	FeZn 20x3mm	m1=m1
10.16	E 16	SIP ormarić (PS49) sa sabirnicom za izjednačenje potencijala	SIP boxes (PS 49) with bonding	kom = kom
10.17	E 17	Provodnici za uzemljenje	Grounding conductors	/
10.17.1	A	PP00-Y 1x16mm2	PP00-Y 1x16mm2	m1=m1
10.17.2	B	P/F-Y 1x6mm2	P/F-Y 1x6mm2	m1=m1
10.17.3	C	P/F-Y 1x4mm2	P/F-Y 1x4mm2	m1=m1
	E F	Instalacija slabe struje	Installation of low voltage	
10.18	E 18	Antenski koaksijalni kabl RG 6	Antenna Coaxial Cable RG 6	m1=m1
10.19	E 19	Telefonski kabl sa bakarnim provodnicima IY(St)Y 2x2x0.8mm	Telephone cable with copper conductors IY (St) Y 2x2x0.8mm	m1=m1
10.20	E 20	Priklučnice	Connectors	/
10.20.1	A	Telefonska - RJ11 za montažu u dozni fi 60mm	Phone - RJ11 for mounting in enclosure fi 60mm	
10.20.2	B	RTV priključnica za montažu u dozni fi 60mm	RTV connector for mounting in enclosure fi 60 mm	kom = kom

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Indicative consumption
1	A	OSNOVNI GRAĐEVINSKI MATERIJAL	BASIC BUILDING MATERIALS	
1.1	O 1	Cement za betone do MB 30	Cement for concrete up to 30 MB	1m3 (MB30) = 350 kg
1.2	O 2	Hidratisani gašeni kreč pripremljen u prahu	Hydrated slaked lime powdered	C:K:P=1:2:6 mortar 1m3 mortar=200 kg lime
1.3	O 3	Rebrasto betonsko gvožđe (RA)	Ribbed reinforcement steel	/
1.3.1	A	10 mm - dužine 12m	10 mm - length 12m	0,645 kg/m1
1.3.2	B	12 mm - dužine 12m	12 mm - length 12m	0,928 kg/m1
1.3.3	C	14 mm - dužine 12m	14 mm - length 12m	1,264 kg/m1
1.3.4	D	16 mm - dužine 12m	16 mm - length 12m	1,651 kg/m1
1.4	O 4	Glatko betonsko gvožđe (GA)	Glibly reinforcement steel	/
1.4.1	B	8 mm - dužine 12m	8 mm - length 12m	0,395 kg/m1
1.4.2	C	10 mm - dužine 12m	10 mm - length 12m	0,617 kg/m1
1.5	O 5	Armatura betonska mreža dim. (dxš) 6000 x 2150 = 12,9 m2/kom	Reinforcement mesh dim. (lxw) 6000 x 2150 = 12,9 m2/pcs	/
1.5.1	A	Q84 /4x4/150x150/	Q84 /4x4/150x150/	1,364 kg/m2
1.5.2	B	Q131 /5x5/150x150/	Q131 /5x5/150x150/	2,122 kg/m2
1.5.3	C	Q188 /6x6/150x150/	Q188 /6x6/150x150/	3,059 kg/m2
1.5.4	D	Q283 /6x6/100x100/	Q283 /6x6/100x100/	4,537 kg/m2
1.5.5	E	Q335 /8x8/150x150/	Q335 /8x8/150x150/	5,443 kg/m2
2	Z	MATERIJAL ZA ZIDANJE, MALTERISANJE, GLETOVANJE I FARBANJE	MASONRY, PLASTERING FAIRING AND PAINTING MATERIAL	
2.1	Z 1	Giter blok (d/š/v) 250x190x190 mm	Gitter block (l/w/h) 250x190x190 mm	100 pcs/m3
2.2	Z 2	Giter polublok (12cm) (d/š/v) 250x120x190mm	Gitter half block (12cm) (l/w/h) 250x120x190mm	wall 12 cm = 20 pcs/m2 175 pcs/m3
2.3	Z 3	Opeka puna (d/š/v) 250x120x65 mm	Brick (full-without holes) (l/w/h) 250x120x65 mm	384 pcs/m3 wall 12 cm = 52 pcs/m2
2.4	Z 4	Blok od porobetona za pregradni zid (d/š/v) 625x200x200 mm	Aerated concrete block for partition wall (l/w/h) 625x200x200 mm	40 pcs/m3 wall 20 cm = 8 pcs/m2
2.5	Z 5	Fert nosači (gredice) Dužina nosača je jednak dužini binora = širina otvora između zidova + 30 cm. Broj gredica = dužina prostorije x 0,40	Fert beams Boom length is equal to the length of Binor = width of the openings between the walls + 30 cm. Number of beams = length of room x 0.40	/
2.5.1	A	0,00-3,90 m	0,00-3,90 m	m1=m1
2.5.2	B	3,91-4,50 m	3,91-4,50 m	m1=m1
2.5.3	C	4,51-4,90 m	4,51-4,90 m	m1=m1
2.5.4	D	4,91-5,30 m	4,91-5,30 m	m1=m1
2.5.5	E	5,31-5,90 m	5,31-5,90 m	m1=m1
2.5.6	F	5,91-6,30 m	5,91-6,30 m	m1=m1
2.6	Z 6	Fert ispuna (d/š/v) 245x285/275x160 mm	Fert fillings (l/w/h) 245x285/275x160 mm	10 pcs/m2
2.7	Z 7	Malter za zidanje Pripremljeno krečno - cementno vezivo	Mortar for masonry Prepared lime - cement binder	20 kg/m ² /cm bag 40kg = 2 m2
2.8	Z 8	Malter za malterisanje Pripremljeno krečno - cementno vezivo	Mortar for plastering Prepared lime - cement binder	13 kg/m ² /cm approx mortar 2 cm = 26kg/m ² /2cm bag 35 kg = 1.54 m2
2.9	Z 9	Krečna glet masa Bezcementna krečna masa za gletovanje	Lime smoothing mass No cement lime compound for smoothing	1,5 kg/m2/mm approx 3mm = 4,5 kg/m2/3mm bag 15kg = 3.30 m2 bag 25kg = 5,50 m2

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Indicative consumption
2.10	Z 10	Poludisperzivna boja Poludisperziona boja razrediva vodom	Semi dispersion paint	300g/m2 twice bucket 5 kg = 16,50 m2 bucket 10 kg = 33,30 m2 bucket 25 kg = 82,30 m2

3	K	MATERIJAL ZA KROVNU KONSTRUKCIJU, KROVNI POKRIVAČ, OSB I GIPS KARONSKE TABLE	ROOF CONSTRUCTION AND ROOFING MATERIAL, OSB AND PLASTERBOARD TABLE	
3.1	K 1	Presovani glineni crep I klase dimenzija: 400-450x245-275 mm	Pressed clay tiles class 1 dim: 400-450x245-275 mm	16 pcs/m2
3.2	K 3	Biber crep I klase dimenzija: 180-200x380-400 mm	Biber clay tiles class 1 dim. 180-200x380-400 mm	
3.3	K 2	Slameni crep I klase (žlebjnjak)	Ridge clay tiles class 1	3 pcs/m1
3.4	K 4	Paropropusna i vodonepropusna krovna folija kontrola vodene pare iznad termoizolacije	Vapour permeable and waterproof roof sheeting control of water vapor above the insulation	m2=m2
3.5	K 5	Staklena mineralna vuna termoizolacija potkrovla između rogova	Glass Mineral Wool loft insulation between the rafters	/
3.5.1	A	debljina d=10 cm	thickness d=10 cm	m2=m2
3.5.2	B	debljina d=12 cm	thickness d=12 cm	m2=m2
3.5.3	C	debljina d=14 cm	thickness d=14 cm	m2=m2
3.6	K 6	Parna brana kontrola vodene pare ispod termoizolacije	Vapor barrier control of water vapor below the insulation	m2=m2
3.7	K 7	Čamova rezana građa različitog preseka dužine 400 cm	Fir lumber of different cross-section length 400 cm	/
3.7.1	A	Rog/Venčanica/Raspinjača 10/12 cm	rafters / wall plate / ridge collar 10/12 cm	pcs 0,048 m3
3.7.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	column / pile / hip rafter / ridge 12/14 cm	pcs 0,067 m3
3.7.3	C	Stub/Grebenjača 14/14 cm	column / hip rafter 14/14 cm	pcs 0,078 m3
3.7.4	H	Tavanjače 18/26 cm	attic beams 18/26 cm	pcs 0,187 m3
3.8	K 8	Čamova rezana građa različitog preseka dužine 600 cm	Fir lumber of different cross-section length 600 cm	/
3.8.1	A	Rog/Venčanica/Raspinjača 10/12 cm	rafters / wall plate / ridge collar 10/12 cm	pcs 0,072 m3
3.8.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	column / pile / hip rafter / ridge 12/14 cm	pcs 0,084 m3
3.8.3	C	Stub/Grebenjača 14/14 cm	column / hip rafter 14/14 cm	pcs 0,117 m3
3.8.4	D	Rožnjača 14/16 cm	Purlin 14/16 cm	pcs 0,134 m3
3.8.5	E	Kosnik/Pajanta 10/10 cm	Strut 10/10 cm	pcs 0,060 m3
3.8.6	F	Klešta 6/12 cm	Collar tie 6/12 cm	pcs 0,043 m3
3.8.7	G	Krovna štafla 5/8 cm	Roof battens 5/8 cm	pcs 0,024 m3
3.8.8	H	Tavanjače 18/26 cm	attic beams 18/26 cm	pcs 0,281 m3
3.9	K 9	Građevinska daska - fosna 4,8/25/400 cm	Fir board 4,8/25/400 cm	pcs 0,048 m3
3.10	K 10	Krovna daska od čamove rezane građe 2,4-2,5/15 cm, isporučuje se dužine l=3,0 metra	Roof fir board 2,4-2,5/15 cm, lenght l=3,0 m	2,20 board / 1m2 40,40 board / m3
3.11	K 11	Krovna letva od čamove rezane građe 3 / 5 cm , isporučuje se dužine l=3,0 metra	Fir batten 3 / 5 cm , lenght l=3,0 m	m1=m1
3.12	K 12	OSB3 vlagoootporne konstruktivne ploče d=18 mm / dim. 2440 x 1220	OSB3 moisture resistant structural panels d=18 mm / dim. 2440 x 1220	pcs - board = 2,97 m2
3.13	K 13	Standardne gips kartonske ploče - Tip A dimenzije: 1200-1250 x 2000 mm	Standard plasterboard table - Type A dim: 1200-1250 x 2000 mm	pcs - board = 2,4 m2

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Indicative consumption
3.14	K 14	Vlagootporne gips kartonske ploče - Tip H2 dimenzije: 1200-1250 x 2000 mm	Moisture resistant Plasterboard - Type H2 dim: 1200-1250 x 2000 mm	pcs - board = 2,4 m ²
3.15	K 15	Čelični pocinkovani i farbani olučni elementi prečnika: Ø 100 mm dužine 600 cm	Galvanized steel and painted gutter elements diameter: Ø 100 mm length 600 cm	/
3.15.1	A	Horizontalni polukružni element+ prateći paket uz svaki komad elementa. Sadržaj paketa pratećih elemenata horizontalnog oluka. Jedan paket sadrži: čelo (forkop) - 1 komad, kuka preseka 3-5/20-50mm- 10 komada. Čelični pocinkovani elementi farbani u boji oluka.	Horizontal semicircular element + accompanying package with each piece of element. Content of the accompanying elements of the horizontal gutter. One package contains: forehead (forkop) - 1 piece, hook cross section 3-5 / 20-50mm- 10 pieces. Steel galvanized elements color gowns.	210 din/m ¹
3.15.2	B	Vertikalni kružni oluk + prateći paket uz svaki komad elementa Sadržaj paketa pratećih elemenata vertikalnog oluka. Jedan paket sadrži: kotlič- 1 komad, koleno 72°-3 komada, obujmica (šelna)-4 komada. Čelični pocinkovani elementi farbani u boji oluka.	Vertical circular gutter + accompanying package with each piece of element Package contents of the accompanying elements of the vertical gutter. One package contains: kettle- 1 piece, knee 72 ° -3 pieces, clamp (heel) -4 pieces. Steel galvanized elements color gowns.	211 din/m ¹

4	P	MATERIJAL ZA PODOVE, LAMINAT, PLOČICE I XPS	FLOORING, LAMINATE, TILES AND XPS	
4.1	P 1	Unutrašnje podne keramičke pločice Min. dimenzije pločica: 200x300 mm	Floor tiles for inside Min. tile size: 200x300 mm	m2=m2
4.2	P 2	Unutrašnje zidne keramičke pločice Min. dimenzije pločica: 200x300 mm	Wall tiles for inside Min. tile size: 200x300 mm	m2=m2
4.3	P 3	Lepak za keramičke pločice Fleksibilni, polimer-cementni lepak	Glue for ceramic tiles Flexible, polymer-cement glue	3 kg / m ² bag 25 kg =8,30 m ²
4.4	P 4	Fleksibilna masa za fugovanje Vodooodbojna fug masa na bazi cementa	Flexible mass for grouting Waterproof grout cement based	1kg/m ² for groove 5 mm bag 2 kg =1,66 m ²
4.5	P 5	Laminat - jakopresovani (HLP) sa klik sistemom, dezen: hrast natur (prirodni)	Laminate (HLP) with click system, design: oak natural (natural)	8 pcs = 2 m ²
4.6	P 6	Lajsne za laminat od medijapanu materijal: medijapan / MDF	Moldings for laminate MDF Material: MDF / MDF	approx batten length 2,6m package approx 31,2 m
4.7	P 7	Podloga za laminat od polietilenske pene Sunderasta podloga za laminat	The base for laminate of polyethylene foam Foam base for laminate	m2=m2
4.8	P 8	Cementni suvi estrih (cementna košuljica). Pripremljeno cementno praškasto vezivo	Cement dry screed (cement screed) Prepared cement powder binder	20 kg/m ² /cm approx height od 5 cm = 100 kg/m ² /5cm bag 40 kg = 0,4m ² /5cm
4.9	P 9	Građevinska PVC folija Za razdvajanje cementne košuljice od termo izolacije.	PVC foil for construction. To separate the cement screed of thermal insulation.	m2=m2

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Indicative consumption
4.10	P 10	Stirodur (XPS za izolaciju na podovima) ploča od ekstrudirane polistirenske pene	Stirodur (XPS insulation for floors) panel of extruded polystyrene foam	/
4.10.1	A	debljine d=2 cm	d=2 cm	m2=m2
4.10.2	B	debljine d=5 cm	d=5 cm	m2=m2

5	F	MATERIJAL ZA IZRADU FASADE	FACADE MATERIAL	
5.1	F 1	EPS za termoizolaciju fasadnih zidova ploča od ekspandiranog polistirena	Thermal insulation for facade walls (EPS) plates made of expanded polystyrene	/
5.1.1	A	debljina d=8 cm	d=8 cm	3 m2/package m2=m2
5.1.2	B	debljina d=10 cm	d=10 cm	2,5m2/package m2=m2
5.1.3	C	debljina d=12 cm	d=12 cm	2m2/package m2=m2
5.1.4	D	debljina d=14 cm	d=14 cm	1,5m2/package m2=m2
5.2	F 2	Građevinski lepak za EPS ploče cementni lepak namenjen za lepljenje ploča od ekspandiranog polistirena (EPS) i armiranje armaturne (rabic) mrežice	Construction glue for EPS plates cement adhesive for gluing plates made of expanded polystyrene (EPS) and reinforcing wire (rabic) net	5,5kg/m2 for sticking 7kg/m2 for mash total 12,5 kg / m2 bag 30 kg = 2,40 m2
5.3	F 3	Armaturna (rabic) staklena mrežica. Visokokvalitetna alkalno postojana staklena mrežica	Reinforcing (rabic) fiberglass mesh High quality alkali resistant fiberglass mesh	1,15 m2=m2
5.4	F 4	Aktivni predpremaz pre nanošenja tankoslojnog fasadnog maltera. predpremaz za izjednačavanje upijanja - podloga	Active primer before applying the thin-layer plaster primer for the equalization of absorption surface	0,2 kg/m2 pack.25 kg = 125 m2
5.5	F 5	Fasadni tankoslojni akrilni malter Završni malter u pastoznom stanju, namenjen za zaštitu fasadnih zidnih površina	Facade thin-layer acrylic plaster Finishing plaster in paste-like state, intended for the protection of facade wall surfaces	3,5 kg/ m2 pack. 25 kg = 7,1 m2
5.5.1	A	boja približna RAL 1034 -kajsija	color similar to RAL 1034-apricot	/
5.5.2	B	boja približna RAL 6005 -pastelno zelena	color similar to RAL 6005 pastel-green	/
5.5.3	C	boja približna RAL 5023 -pastelno plava	color similar to RAL 5023 pastel-blue	/
5.5.4	D	boja približna RAL 3011 -pastelno crvena	color similar to RAL 3011 pastel-red	/
5.5.5	E	boja približna RAL 8002 -braon	color similar to RAL 8002 brown	/

6	H	MATERIJAL ZA HIDRO IZOLACIJE	WATERPROOFING MATERIAL	
6.1	H 1	Bitulit (prethodni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	Bitulit (previous coating for waterproofing) It is used as delivered (cold process) without heating	400 g/m2 for concrete
6.2	H 2	Poliazbitol (hladni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	POLYASBITOL (cold coating for waterproofing) It is used as delivered (cold process) without heating	2kg/m2 one-layer 4kg/m2 two-layer

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Indicative consumption
6.3	H 3	Ter papir Bitumenska hidroizolaciona traka.	Ter paper Bituminous waterproofing tape.	m2=m2
6.4	H 4	Kondor V-3 (hidroizolaciona traka) Plastomer-bitumenska traka, uložak stakleni voal, debljina: ≥ 3 mm	Condor V-3 (waterproof tape) Plastomer-bituminous tape, glass mat, thickness: ≥ 3 mm	m2=m2

7	S	STOLARIJA	DOORS AND WINDOWS	
7.1	S 1	Ulazna vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	Entrance door of PVC (set position) Profile color: white RAL 9003 Number of chambers: ≥ 5 chambers width x height (masonry measures)	/
7.1.1	A	JK 90x210 cm - Leva 90 cm	one wing 90x210 cm - Left 90 cm	pcs
7.1.2	B	JK 90x210 cm - Desna 90 cm	one wing 90x210 cm - Right 90 cm	pcs
7.1.3	C	DK 120x210 cm - Leva 90+30 cm	two wings 120x210 cm - Left 90+30 cm	pcs
7.1.4	D	DK 120x210 cm - Desna 90+30 cm	two wings 120x210 cm - Right 90+30 cm	pcs
	E	JK 90x200 cm - Leva 90 cm	JK 90x200 cm - Left 90 cm	
	F	JK 90x200 cm - Desna 90 cm	JK 90x200 cm - Right 90 cm	
	G	DK 120x200 cm - Leva 90+30 cm	DK 120x200 cm -Left 90+30 cm	
	H	DK 120x200 cm - Desna 90+30 cm	DK 120x200 cm - Right 90+30 cm	
7.2	S 2	Prozori od PVC-a (komplet pozicija). Vertikalno i horizontalno otvaranje, boja profila: bela RAL 9003, broj komora: ≥ 5 komora širina x visina (zidarske mere)	Windows made of PVC (set position) Vertical and horizontal opening, color profile: white RAL 9003, the number of chambers: ≥ 5 chambers width x height (masonry measures)	/
7.2.1	A	JK 60x60 cm	one wing 60x60 cm	pcs
7.2.2	B	JK 80x80 cm	one wing 80x80 cm	pcs
7.2.3	C	JK 80x120 cm	one wing 80x120 cm	pcs
7.2.4	D	JK 80x140 cm	one wing 80x140 cm	pcs
7.2.5	E	JK 100x120 cm	one wing 100x120 cm	pcs
7.2.6	F	JK 100x140 cm	one wing 100x140 cm	pcs
7.2.7	G	DK 120x120 cm	two wings 120x120 cm	pcs
7.2.8	H	DK 120x140 cm	two wings 120x140 cm	pcs
7.2.9	I	DK 140x120 cm	two wings 140x120 cm	pcs
7.2.10	J	DK 140x140 cm	two wings 140x140 cm	pcs
7.2.11	K	DK 160x120 cm	two wings 160x120 cm	pcs
7.2.12	L	DK 160x140 cm	two wings 160x140 cm	pcs

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Indicative consumption
7.3	S 3	Krovni prozor sa aluminijumskom opšivkom od laminirane i impregnirane čamove građe	Roof window with aluminum flashings of laminated and impregnated fir timber	pcs
7.3.1	A	dimenzije 66 x 118 (širina x visina)	66 x 118 (width x height)	pcs
7.3.2	B	dimenzije 78 x 98 (širina x visina)	78 x 98 (width x height)	pcs
7.3.3	C	dimenzije 78 x 118 (širina x visina)	78 x 118 (width x height)	pcs
7.4	S 4	Balkonska vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	Balcony doors from PVC (set position) Profile color: white RAL 9003 Number of chambers: ≥ 5 chambers width x height (masonry measures)	/
7.4.1	A	JK 90x210 cm - Leva		pcs
7.4.2	B	JK 90x210 cm - Desna		pcs
7.4.3	C	DK 140x210 cm		pcs
	D	JK 90x200 cm - Leva		
	F	JK 90x200 cm - Desna		
	G	DK 140x200 cm		
7.5	S 5	Unutrašnja vrata sa ispunom od kartonskog sača (komplet pozicija). širina x visina (spoljna mera futera)	Internal doors filled with cardboard honeycomb (set position) width x height (external measures footer)	/
7.5.1	A	70x205 cm - Leva (dubina štoka 0-16 cm)	70x205 cm - Left (depth door 0-16 cm)	pcs
7.5.2	B	70x205 cm - Leva (dubina štoka 16-30 cm)	70x205 cm - Left (depth door 16-30 cm)	pcs
7.5.3	C	70x205 cm - Desna (dubina štoka 0-16 cm)	70x205 cm - Right (depth door 0-16 cm)	pcs
7.5.4	D	70x205 cm - Desna (dubina štoka 16-30 cm)	70x205 cm - Right (depth door 16-30 cm)	pcs
7.5.5	E	80x205 cm - Leva (dubina štoka 0-16 cm)	80x205 cm - Left (depth door 0-16 cm)	pcs
7.5.6	F	80x205 cm - Leva (dubina štoka 16-30 cm)	80x205 cm - Left (depth door 16-30 cm)	pcs
7.5.7	G	80x205 cm - Desna (dubina štoka 0-16 cm)	80x205 cm - Right (depth door 0-16 cm)	pcs
7.5.8	H	80x205 cm - Desna (dubina štoka 16-30 cm)	80x205 cm - Right (depth door 16-30 cm)	pcs
7.5.9	I	90x205 cm - Leva (dubina štoka 0-16 cm)	90x205 cm - Left (depth door 0-16 cm)	pcs

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Indicative consumption
7.5.10	J	90x205 cm - Leva (dubina štoka 16-30 cm)	90x205 cm - Left (depth door 16-30 cm)	pcs
7.5.11	K	90x205 cm - Desna (dubina štoka 0-16 cm)	90x205 cm - Right (depth door 0-16 cm)	pcs
7.5.12	L	90x205 cm - Desna (dubina štoka 16-30 cm)	90x205 cm - Right (depth door 16-30 cm)	pcs

8	D	OSTALA OPREMA I MATERIJAL	OTHER EQUIPMENT AND SUPPLIES	
8.1	D 1	Jednostruki dimnjak prečnika Φ 140 mm. Trošlojni montažni dimnjački sistem namenjen za sva ložišta i sve vrste goriva, bez ventilacije. Sastavljen je od: dimnjačke cevi od tehničke keramike, izolacije oko cevi dimnjaka od kamene vune minimalne specifične težine 80kg/m ³ , spoljnog dimnjačkog plašta od lakog betona, vatrostalnog lepka u kartušama, vatrootpornih i gasnonepropusnih atestiranih trošlojnih vratanača, kondenz posude, priključaka za reviziju i ložišta, krovne ploče od staklo betona, nosača tervola i tvrdih tervol ploča za priključke, ventilacione rešetke, dilatacione rozete od nerđajućeg čelika. Spoljna dimenzija dimnjačkog plašta za f14cm=32x32cm.	A single chimney diameter 140 mm. Three-layer prefabricated chimney system designed for all furnaces and all types of fuel, with no ventilation. It is composed of: chimney pipe of technical ceramics, pipe insulation around the chimney of stone wool minimum specific weight of 80kg/m ³ , external chimney mantle of lightweight concrete, refractory adhesive in cartouches, fireproof and gas impermeable certified three-layer side door, condensate pots, connectors for the audit and furnaces, roof tiles of glass concrete girders Tervola and hard tervol plate connections, ventilation grilles, rosettes expansion of stainless steel. The external dimensions of the chimney sleeve f14cm = 32x32cm.	/

9	V	Vodovod Kanalizacija Oprema	WATER SUPPLY AND SEWAGE	
		Vodovod	WATER SUPPLY	
9.1	V 1	Vodovodne polietilenske cevi PE 100 PN16 za radni pritisak 16 bara (SDR 11)	Water supply polyethylene pipe PE 100 PN16 the working pressure of 16 bar (SDR 11)	/
9.1.1	A	d25 (s min. 2,3) - 3/4"	d25 (s min. 2,3) - 3/4"	m1=m1
9.1.2	B	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	m1=m1
9.1.3	C	d40 (s min. 3,7) - 5/4"	d40 (s min. 3,7) - 5/4"	m1=m1
9.2	V 2	Vodovodne cevi PP-R 80 PN20 za radni pritisak 20 bara, bele ili zelene boje (materijal: polipropilen-random kapolimer)	Water pipe PP-R 80 PN20 the working pressure of 20 bar, white or green (material: polypropylene random kapolimer)	/
9.2.1	B	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	m1=m1
9.2.2	C	d25 (s min. 4,2) - 3/4"	d25 (s min. 4,2) - 3/4"	m1=m1
9.2.3	D	d32 (s min. 5,4) - 1"	d32 (s min. 5,4) - 1"	m1=m1
9.3	V 3	Vodomjer sa prirubnicama, holenderima i pripadajućom opremom za montažu, za pritisak do 16 bara	water gauge flanges, unions and associated equipment for assembly, for pressure up to 16 bar	/
9.3.1	A	horizontalni 3/4"	Horizontal 3/4"	pcs
9.3.2	B	horizontalni 1"	Horizontal 1"	pcs
9.3.3	C	horizontalni 5/4"	Horizontal 5/4"	pcs
9.4	V 4	Ravni propusni ventil sa ogrankom za pražnjenje	Skip straight valve with a branch drain	/
9.4.1	A	d25 (s min. 2,3) - 3/4"	d25 (s min. 2,3) - 3/4"	pcs
9.4.2	B	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	pcs
9.5	V 5	Propusni ventil za uzidanje sa kapom	Gate valve for the wall with cap	/
9.5.1	A	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	pcs
9.5.2	B	d25 (s min. 4,2) - 3/4"	d25 (s min. 4,2) - 3/4"	pcs
9.5.3	C	d32 (s min. 3,0) - 1"	d32 (s min. 3,0) - 1"	pcs
9.6	V 6	Ugaoni "EK" sa kapom	Angle valve "EK" with cap	/
9.6.1	A	d20 (s min. 3,4) - 1/2"	d20 (s min. 3,4) - 1/2"	pcs
9.7	V 7	Termička izolacija vodovodnih cevi -tipa plamaflex ISO ili sl.	Thermal insulation of water pipes-type PLAMAFLEX ISO etc..	/
9.7.1	B	d20 (22/9) - 1/2"	d20 (22/9) - 1/2"	m1=m1
9.7.2	C	d25 (25/9) - 3/4"	d25 (25/9) - 3/4"	m1=m1
9.7.3	D	d32 (35/9) - 1"	d32 (35/9) - 1"	m1=m1
		Kanalizacija	SEWAGE	

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Indicative consumption
9.8	V 8	PVC kanalizacione cevi SDR 41 / SN4 / PN5 za spoljni razvod, kućna i ulična kanalizacija	PVC sewer pipe SDR 41 / CH4 / PN5 for external distribution, household and street sewage	/
9.8.1	A	d110 (s min. 3,2) dužina 6,0m	d110 (s min. 3,2) length 6,0m	m1=m1
9.8.2	B	d160 (s min. 4,0) dužina 6,0m	d160 (s min. 4,0) length 6,0m	m1=m1
9.9	V 9	Plastične PP cevi SDR 51 / SN2 / PN4 za unutrašnji (kućni) razvod, kućna kanalizacija	Plastic PP pipes SDR 51 / SN2 / PN4 for internal (home) distribution, household sewage	/
9.9.1	A	d50 (s min. 1,8) dužina 3,0m	d50 (s min. 1,8) length 3,0m	m1=m1
9.9.2	B	d75 (s min. 1,9) dužina 3,0m	d75 (s min. 1,9) length 3,0m	m1=m1
9.9.3	C	d110 (s min. 2,7) dužina 3,0m	d110 (s min. 2,7) length 3,0m	m1=m1
9.10	V 10	Plitki PE podni sливник d50 sa horizontalnim odvodom dimenzija 150x150mm	Shallow PE floor drain with horizontal outlet d50 size 150x150mm	pcs = pcs
9.11	V 11	Zidni sifoni sa odvodnom mesinganom cevi d32 (mašina za pranje veša i sudova)	Wall siphon with drainage brass tubes d32 (washing machines, dishwashers)	pcs = pcs
		Oprema u kupatilu	BATHROOM EQUIPMENT	
9.12	V 12	WC šolja od keramike I klase	Ceramic toilet bowl class 1	pcs = pcs
9.13	V 13	Niskomontažni plastični predzidni vodokotlić za nisku montažu iznad wc šolje sa plovkom i svim potrebnim delovima za funkcionisanje vodokotlića	Low mounting plastic-wall toilet tank for low installation above the toilet bowl float and all the parts required for the operation of flushing	pcs = pcs
9.14	V 14	Umivaonikom sa stubom od keramike I klase	Washbasin with ceramic pillar class 1	pcs = pcs
9.15	V 15	Pravougaona akrilna tuš kada dimenzija 90x90cm sa odlivnim ventilom	Rectangular acrylic shower size 90x90cm with discharge valve	pcs = pcs
9.16	V 16	Električni akumulacioni bojler 50l vertikalni grejač 2 kW, napon 230V, kazan izrađen od emajliranog lima, sa pratećim materijalom za ugradnju	Electric storage water heater 50l vertical heater 2 kW, 230V, caldron made of enameled steel, with supporting material for installation	pcs = pcs
9.17	V 17	Ogledalo sa etažerom (iznad umivaonika) četvrtasto, min. dimenzija 80x60cm	Mirror with shelf above wash basin square, min. 80x60cm	
9.18	V 18	Baterije (slavine) hromirane baterije za hladnu i toplu vodu	Lever chrome lever for cold and hot water	/
9.18.1	A	za umivaonik jednoručna stojeća	For washbasin single lever basin standing	pcs = pcs
9.18.2	B	za tuš kadu (sa tuš ručicom i tuš crevom) jednoručna sa poniklovanim savitljivim crevom	For shower bath (with shower head and shower hose) Single lever with nickel hoses	pcs = pcs
9.18.3	C	za mašinu za veš i sudove, holender slavina DN20/15, s pripadajućom opremom za ugradnju	for washing machine and dishwasher, union DN20/15 taps, and all the equipment for installation	pcs = pcs
		Oprema u kuhinji	KITCHEN EQUIPMENT	
9.19	V 19	Korito sudopere od "Inox "-a (dvodelno) (izrađeno od plemenitog nerđajućeg čelika) orjenacione dimenzije: 780 x 435 x 150 mm	kitchen sink "Inox" two-part (made of stainless steel) approx. dim: 780 x 435 x 150 mm	pcs = pcs

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Indicative consumption
9.20	V 20	Električni akumulacioni bojler 5l za ugradnju iznad sudopere, vertikalni grejač 2 kW, napon 230V, kazan izrađen od plastike sa pratećim materijalom za ugradnju	Electric storage water heater 5l Fitting over the sink, vertical heater 2 kW, 230V, caldron made of plastic with the materials for installation	pcs = pcs
9.21	V 21	Baterija za sudoperu jednoručna stoeća hromirana baterija za hladnu i toplu vodu	Sink-standing single lever chrome mixer for hot and cold water	pcs = pcs

10	E	ELEKTRO MATERIJAL I OPREMA	Electrical materials and equipment		
		Kablovi i kablovski pribor			
10.1	E 1	Napojni kablovi	Power cables	/	
10.1.1	A	X00-A 4x16 mm ²	X00-A 4x16 mm ²	m1=m1	
10.1.2	B	PP00-Y 5x6 mm ²	PP00-Y 5x6 mm ²	m1=m1	
10.1.3	C	PP00-Y 5x10 mm ²	PP00-Y 5x10 mm ²	m1=m1	
10.2	E 2	Instalacioni kablovi	Installation cables	/	
10.2.1	A	PP-Y 3x1,5 mm ²	PP-Y 3x1,5 mm ²	m1=m1	
10.2.2	B	PP-Y 4x1,5 mm ²	PP-Y 4x1,5 mm ²	m1=m1	
10.2.3	C	PP-Y 3x2,5 mm ²	PP-Y 3x2,5 mm ²	m1=m1	
10.2.4	D	PP-Y 5x2,5 mm ²	PP-Y 5x2,5 mm ²	m1=m1	
10.3	E 3	Instalacione PVC cevi	PVC pipe for installations of cables	/	
10.3.1	A	fi 16mm ²	fi 16mm ²	m1=m1	
10.3.2	B	fi 50mm ²	fi 50mm ²	m1=m1	
		Razvodne table i oprema			
10.4	E 4	Razvodna tabla Stanska, za ugradnju na zid sa transparentnim vratima, sa mestom za 18 modula, DIN šinom, IP40 Razvodna tabla sadrži :	Junction board (for flat) for wall mounting with transparent door, with space for 18 modules, DIN rail, IP40 Junction board contains:	pcs = pcs	
10.5	E 5	Jednopolni instalacioni prekidač (automatski osigurač) za montažu na DIN šinu nom. napona 230V/400V, 50Hz; karakteristike B; prekidne moći 6kA:	Single-pole fuse (Automatic fuse) for mounting on DIN rail nom. voltage 230V/400V, 50Hz, features B; breaking capacity 6kA:	/	
10.5.1	A	nazivne struje 6A	rated current of 6A	pcs = pcs	
10.5.2	B	nazivne struje 10A	rated current of 10A	pcs = pcs	
10.5.3	C	nazivne struje 16A	rated current of 16A	pcs = pcs	
10.6	E 6	Signalna sijalica za signalizaciju tarife 230V za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	The indicator lamp for signaling rates 230V for use in flat junction board, mounting on DIN rail	pcs = pcs	
10.7	E 7	FID sklopka za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	FID switch for installation in junction board, mounting on DIN rail	/	
10.7.1	A	16A/30mA, 2-polna, 230V, 50Hz;	16A/30mA, 2-pole, 230V, 50Hz;	pcs = pcs	
10.7.2	B	25A/0,5A, 4-polna, 230V/400V, 50Hz;	25A / 0,5 A, 4-pole, 230V/400V, 50Hz;	pcs = pcs	
10.8	E 8	Instalaciono zvono 230V, 50Hz; za ugradnju u stansku razvodnu tablu, montažu na DIN šinu	Bell 230V, 50Hz, for use in junction board, mounting on DIN rail	pcs = pcs	
		Instalacioni materijal			
10.9	E 9	Instalaciona kutija za ugradnju u završnu obradu zida	Installation box for installation in the wall	/	
10.9.1	A	fi 60 mm	fi 60 mm	pcs = pcs	
10.9.2	B	fi 78 mm	fi 78 mm	pcs = pcs	
10.9.3	C	100x100mm	100x100mm	pcs = pcs	
10.10	E 10	Instalaciona priključnica IP20 za ugradnju u završnu obradu zida sa zaštitnim kontaktom	Installation socket IP20 for installation in the wall with a protection contact	/	
10.10.1	A	16A, monofazna, 250 V	16A, single-phase, 250 V	pcs = pcs	
10.10.2	B	16A, monofazna, dupla, 250 V	16A, single-phase, double, 250 V	pcs = pcs	
10.10.3	C	16A, trofazna, 400V	16A, three-phase, 400V	pcs = pcs	
10.11	E 11	Instalaciona priključnica IP43 sa poklopcom za ugradnju u završnu obradu zida, sa zaštit. kontaktom, 16A, monofazna, 250 V	Installation socket IP43 with cover for use in wall with protection. contact, 16A, single-phase, 250 V	pcs = pcs	
10.12	E 12	Prekidači IP20 za ugradnju u završnu obradu zida	Switches IP20 for installation in wall	/	
10.12.1	A	običan, 10A	regular, 10A	pcs = pcs	
10.12.2	B	serijski, 10A	serial, 10A	pcs = pcs	
10.12.3	C	za zvono	for bell	pcs = pcs	
10.12.4	D	Instalacioni prekidač "KIP" 16A	Installation switch "KIP" 16A	pcs = pcs	

KOD/ CODE		Opis građevinskog materijala	Description of building materials	Indicative consumption
10.13	E 13	Indikator za kupatilo sa tri sklopke 16A i signalnim sijalicama	The indicator for the bathroom Three switches 16A and signal lights	pcs = pcs
		Svetiljke	Lighting	
10.14	E 14	Svetiljka za montažu na plafon sa inkadescentnom sijalicom 60W, E-27,	Luminaire to be mounted on the ceiling with a 60W incandescent bulb, E-27	/
10.14.1	A	IP 43 za sanitarni čvor	IP 43 for toilet	pcs = pcs
10.14.2	B	IP 20 za unutrašnje prostorije	IP 20 for indoor rooms	pcs = pcs
	E	Instalacija uzemljenja i gromobrana	Earthing and lightning protection	
10.15	E 15	Pocinkovana traka	Galvanized strip	/
10.15.1	A	FeZn 25x4mm	FeZn 25x4mm	m1=m1
10.15.2	B	FeZn 20x3mm	FeZn 20x3mm	m1=m1
10.16	E 16	SIP ormarić (PS49) sa sabirnicom za izjednačenje potencijala	SIP boxes (PS 49) with bonding	pcs = pcs
10.17	E 17	Provodnici za uzemljenje	Grounding conductors	/
10.17.1	A	PP00-Y 1x16mm2	PP00-Y 1x16mm2	m1=m1
10.17.2	B	P/F-Y 1x6mm2	P/F-Y 1x6mm2	m1=m1
10.17.3	C	P/F-Y 1x4mm2	P/F-Y 1x4mm2	m1=m1
	E F	Instalacija slabe struje	Installation of low voltage	
10.18	E 18	Antenski koaksijalni kabl RG 6	Antenna Coaxial Cable RG 6	m1=m1
10.19	E 19	Telefonski kabl sa bakarnim provodnicima IY(St)Y 2x2x0.8mm	Telephone cable with copper conductors IY (St) Y 2x2x0.8mm	m1=m1
10.20	E 20	Priklučnice	Connectors	/
10.20.1	A	Telefonska - RJ11 za montažu u dozni fi 60mm	Phone - RJ11 for mounting in enclosure fi 60mm	
10.20.2	B	RTV priključnica za montažu u dozni fi 60mm	RTV connector for mounting in enclosure fi 60 mm	pcs = pcs

SUMMARY / REKAPITULACIJA

	SUM PRICE without VAT / UKUPNA CENA bez PDVa
UKUPNO/ TOTAL	-

Napomena I: stampati samo sheetove (SUMMARY, CENA, VendorsList)

Napomena II: Na zahtev Naručioca, najkasnije 10 dana nakon zaključenja ugovora, Dobavljač je dužan da dostavi kompletno popunjenu Vendors listu u skladu sa zahtevima datim u delu C tenderskog dosjera, dokument: PROJEKTNI ZADATAK ZA GRAĐEVINSKI MATERIJAL.

**unositi cene samo u zeleno obeležen sheet u zelena polja (CENA) samo za pozicije za koje je zbir količina po materijalima različit od 0 (odnosno samo za pozicije za koje postoji količina)
od G5 - G266 (jedinične cene)**

popuniti zelena polja u VendorsList

Remark I: print only green sheet (SUMMARY, CENA)

Remark II: At the request of the Contracting Authority, at the latest 10 days after the conclusion of the contract, the Supplier is obliged to submit the fully completed Vendors list in accordance with the requirements given in part C of the tender dossier, document: TERMS OF REFERENCES FOR THE CONSTRUCTION MATERIAL.

**The prices entered only in the green marked sheet in green cells (CENA) only for items for which the sum of the quantity of materials is different than 0 (only for items that have quantity)
G5 - G266 (unit price)**

KOD/ CODE		Opis građevinskog materijala	Jed. prod./ UNIT	Jedinična prod.cena/ UNIT PRICE	Zbir Količina po materijalima/ SUM QTY	ZBIR UKUPNO PO MATERIJALIMA/ SUM PRICE
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1	A	OSNOVNI GRAĐEVINSKI MATERIJAL				
1.1	O 1	Cement za betone do MB 30	kg		88,900.00	-
1.2	O 2	Hidratirani gašeni kreč pripremljen u prahu	kg		3,800.00	-
1.3	O 3	Rebrasto betonsko gvožđe (RA)	/	/	/	/
1.3.1	A	10 mm - dužine 12m	kg		7.74	-
1.3.2	B	12 mm - dužine 12m	kg		2,390.41	-
1.3.3	C	14 mm - dužine 12m	kg		1,820.40	-
1.3.4	D	16 mm - dužine 12m	kg		-	-
1.4	O 4	Glatko betonsko gvožđe (GA)	/	/	/	/
1.4.1	B	8 mm - dužine 12m	kg		1,016.34	-
1.4.2	C	10 mm - dužine 12m	kg		370.00	-
1.5	O 5	Armatsurna betonska mreža dim. (dxš) 6000 x 2150 = 12,9 m2/kom	/	/	/	/
1.5.1	A	Q84 /4x4/150x150/	kg		-	-
1.5.2	B	Q131 /5x5/150x150/	kg		-	-
1.5.3	C	Q188 /6x6/150x150/	kg		2,091.38	-
1.5.4	D	Q283 /6x6/100x100/	kg		989.57	-
1.5.5	E	Q335 /8x8/150x150/	kg		1,895.94	-

2	Z	MATERIJAL ZA ZIDANJE, MALTERISANJE, GLETOVANJE I FARBANJE				
2.1	Z 1	Giter blok (d/š/v) 250x190x190 mm	kom/pcs		18,080.00	-
2.2	Z 2	Giter polublok (12cm) (d/š/v) 250x120x190mm	kom/pcs		2,100.00	-
2.3	Z 3	Opeka puna (d/š/v) 250x120x65 mm	kom/pcs		26,624.00	-
2.4	Z 4	Blok od porobetona za pregradni zid (d/š/v) 625x200x200 mm	kom/pcs		-	-
2.5	Z 5	Fert nosaći (gredice) Dužina nosaća je jednaka dužini binora = širina otvora između zidova + 30 cm. Broj gredica = dužina prostorije x 0,40	/	/	/	/
2.5.1	A	0,00-3,90 m	m1		452.40	-
2.5.2	B	3,91-4,50 m	m1		-	-
2.5.3	C	4,51-4,90 m	m1		122.50	-
2.5.4	D	4,91-5,30 m	m1		-	-
2.5.5	E	5,31-5,90 m	m1		389.40	-
2.5.6	F	5,91-6,30 m	m1		321.30	-
2.6	Z 6	Fert ispuna (d/š/v) 245x285/275x160 mm	kom/pcs		4,788.00	-
2.7	Z 7	Malter za zidanje Pripremljeno krečno - cementno vezivo	kg		11,010.00	-
2.8	Z 8	Malter za malterisanje Pripremljeno krečno - cementno vezivo	kg		60,400.00	-
2.9	Z 9	Krečna glet masa Bez cementne krečna masa za gletovanje	kg		13,175.00	-
2.10	Z 10	Poludisperzivna boja Poludisperziona boja razrediva vodom	kg		2,045.00	-

3	K	MATERIJAL ZA KROVNU KONSTRUKCIJU, KROVNI POKRIVAČ, OSB I GIPS KARONSKE TABLE				
3.1	K 1	Presovani glineni crep I klase dimenzija: 400-450x245-275 mm	kom/pcs		94,400.00	-
3.2	K 3	Biber crep I klase	kom/pcs		21,760.00	-
3.3	K 2	Siemeni crep I klase (žljevnjak)	kom/pcs		2,068.00	-
3.4	K 4	Paropropusna i vodonepropusna krovna folija kontrola vodene pare iznad termoizolacije	m2		6,600.00	-
3.5	K 5	Staklena mineralna vuna termoizolacija potkrovila između rogovca	/	/	/	/
3.5.1	A	debljina d=10 cm	m2		2,136.80	-
3.5.2	B	debljina d=12 cm	m2		623.00	-
3.5.3	C	debljina d=14 cm	m2		160.00	-
3.6	K 6	Parna brana kontrola vodene pare ispod termoizolacije	m2		3,335.00	-

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3.7	K 7	Čamova rezana građa različitog preseka dužine 400 cm	/	/	/	/
3.7.1	A	Rog/Venčanica/Raspinjača 10/12 cm	m3		7.35	-
3.7.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	m3		1.01	-
3.7.3	C	Stub/Grebenjača 14/14 cm	m3		2.27	-
3.7.4	H	Tavanjače 18/26 cm	m3		-	-
3.8	K 8	Čamova rezana građa različitog preseka dužine 600 cm	/	/	/	/
3.8.1	A	Rog/Venčanica/Raspinjača 10/12 cm	m3		65.72	-
3.8.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	m3		18.92	-
3.8.3	C	Stub/Grebenjača 14/14 cm	m3		12.64	-
3.8.4	D	Rožnjača 14/16 cm	m3		4.83	-
3.8.5	E	Kosnik/Pajanta 10/10 cm	m3		5.22	-
3.8.6	F	Klešta 6/12 cm	m3		9.21	-
3.8.7	G	Krovna štafla 5/8 cm	m3		1.15	-
3.8.8	H	Tavanjače 18/26 cm	m3		7.73	-
3.9	K 9	Gradevinska daska - fosna 4,8/25/400 cm	m3		1.32	-
3.10	K 10	Krovna daska od čamove rezane građe 2,4-2,5/15 cm, isporučuje se dužine l=3,0 metra	m3		32.86	-
3.11	K 11	Krovna letva od čamove rezane građe 3 / 5 cm , isporučuje se dužine l=3,0 metra	m1		30,135.00	-
3.12	K 12	OSB3 vlagootporne konstruktivne ploče d=18 mm / dim. 2440 x 1220	kom/pcs		1,509.18	-
3.13	K 13	Standardne gips kartonske ploče - Tip A dimenzije: 1200-1250 x 2000 mm	kom/pcs		259.20	-
3.14	K 14	Vlagootporne gips kartonske ploče - Tip H2 dimenzije: 1200-1250 x 2000 mm	kom/pcs		65.60	-
3.15	K 15	Čelični pocinkovani i farbani olučni elementi prečnika: Ø 100 mm dužine 600 cm	/	/	/	/
3.15.1	A	Horizontalni polukružni	kom/pcs		233.00	-
3.15.2	B	Vertikalni kružni oluk	kom/pcs		124.00	-

4	P	MATERIJAL ZA PODOVE, LAMINAT, PLOČICE I XPS				
4.1	P 1	Unutrašnje podne keramičke pločice Min. dimenzije pločica: 200x300 mm	m2		442.00	-
4.2	P 2	Unutrašnje zidne keramičke pločice Min. dimenzije pločica: 200x300 mm	m2		565.00	-
4.3	P 3	Lepak za keramičke pločice Fleksibilni, polimer-cementni lepak	kg		3,282.00	-
4.4	P 4	Fleksibilna masa za fugovanje Vodoodbojna fuš masa na bazi cementa	kg		514.00	-
4.5	P 5	Laminat - jakopresovani (HLP) sa klik sistemom, dezen: hrast natur (prirodnji)	m2		1,965.00	-
4.6	P 6	Lajsne za laminat od medijapanata materijal: medijapan / MDF	m1		2,235.30	-
4.7	P 7	Podloga za laminat od polietilenske pene Sunderasta podloga za laminat	m2		2,029.50	-
4.8	P 8	Cementni suvi estrih (cementna košuljica). Pripremljeno cementno praškasto vezivo	kg		123,420.00	-
4.9	P 9	Gradevinska PVC folija Za razdvajanje cementne košuljice od termo izolacije.	m2		1,940.00	-
4.10	P 10	Stirodur (XPS za izolaciju na podovima) ploča od ekstrudirane polistirenske pene	/	/	/	/
4.10.1	A	debljine d=2 cm	m2		1,505.00	-
4.10.2	B	debljine d=5 cm	m2		426.00	-

5	F	MATERIJAL ZA IZRADU FASADE				
5.1	F 1	EPS za termoizolaciju fasadnih zidova ploča od eksplandiranog polistirena	/	/	/	/
5.1.1	A	debljina d=8 cm	m2		951.00	-
5.1.2	B	debljina d=10 cm	m2		1,191.50	-
5.1.3	C	debljina d=12 cm	m2		368.00	-
5.1.4	D	debljina d=14 cm	m2		-	-

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5.2	F 2	Građevinski lepak za EPS ploče cementni lepak namenjen za lepljenje ploča od ekspandiranog polistirena (EPS) i armiranje armaturne (rabic) mrežice	kg		33,690.00	-
5.3	F 3	Armatura (rabic) staklena mrežica. Visokokvalitetna alkalno postojana staklena mrežica	m2		3,900.00	-
5.4	F 4	Aktivni predpremaz pre nanošenja tankoslojnog fasadnog maltera. predpremaz za izjednačavanje upijanja - nodloga	kg		850.00	-
5.5	F 5	Fasadni tankoslojni akrilni malter Završni malter u pastoznom stanju, namenjen za zaštitu fasadnih zidnih površina	/	/	/	/
5.5.1	A	boja približna RAL 1034 -kajsija	kg		11,165.00	-
5.5.2	B	boja približna RAL 6005 -pastelno zelena	kg		-	-
5.5.3	C	boja približna RAL 5023 -pastelno plava	kg		-	-
5.5.4	D	boja približna RAL 3011 -pastelno crvena	kg		-	-
5.5.5	E	boja približna RAL 8002 -braon	kg		-	-

MATERIJAL ZA HIDRO IZOLACIJE						
6.1	H 1	Bitulit (prethodni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	kg		211.50	-
6.2	H 2	Poliazbitol (hladni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	kg		-	-
6.3	H 3	Ter papir Bitumenska hidroizolaciona traka.	m2		40.00	-
6.4	H 4	Kondor V-3 (hidroizolaciona traka) Plastomer-bitumenska traka, uložak stakleni voal. debljina: > 3 mm	m2		1,310.00	-

STOLARIJA						
7.1	S 1	Ulagna vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	/	/	/	/
7.1.1	A	JK 90x210 cm - Leva 90 cm	kom/pcs		9.00	-
7.1.2	B	JK 90x210 cm - Desna 90 cm	kom/pcs		15.00	-
7.1.3	C	DK 120x210 cm - Leva 90+30 cm	kom/pcs		9.00	-
7.1.4	D	DK 120x210 cm - Desna 90+30 cm	kom/pcs		12.00	-
7.2	S 2	Prozori od PVC-a (komplet pozicija). Vertikalno i horizontalno otvaranje, boja profila: bela RAL 9003, broj komora: ≥ 5 komora širina x visina (zidarske mere)	/	/	/	/
7.2.1	A	JK 60x60 cm	kom/pcs		51.00	-
7.2.2	B	JK 80x80 cm	kom/pcs		8.00	-
7.2.3	C	JK 80x120 cm	kom/pcs		14.00	-
7.2.4	D	JK 80x140 cm	kom/pcs		14.00	-
7.2.5	E	JK 100x120 cm	kom/pcs		11.00	-
7.2.6	F	JK 100x140 cm	kom/pcs		19.00	-
7.2.7	G	DK 120x120 cm	kom/pcs		18.00	-
7.2.8	H	DK 120x140 cm	kom/pcs		37.00	-
7.2.9	I	DK 140x120 cm	kom/pcs		4.00	-
7.2.10	J	DK 140x140 cm	kom/pcs		7.00	-
7.2.11	K	DK 160x120 cm	kom/pcs		12.00	-
7.2.12	L	DK 160x140 cm	kom/pcs		17.00	-
7.3	S 3	Krovni prozor sa aluminijumskom opšivkom od laminirane i impregnirane čamove građe	/	/	/	/
7.3.1	A	dimenzije 66 x 118 (širinaxvisina)	kom/pcs		-	-
7.3.2	B	dimenzije 78 x 98 (širinaxvisina)	kom/pcs		-	-
7.3.3	C	dimenzije 78 x 118 (širinaxvisina)	kom/pcs		1.00	-

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7.4	S 4	Balkonska vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	/	/	/	/
7.4.1	A	JK 90x210 cm - Leva	kom/pcs	1.00	-	
7.4.2	B	JK 90x210 cm - Desna	kom/pcs	1.00	-	
7.4.3	C	DK 140x210 cm	kom/pcs	2.00	-	
7.5	S 5	Unutrašnja vrata sa ispunom od kartonskog sača (komplet pozicija). širina x visina (spolna mera futera)	/	/	/	/
7.5.1	A	70x205 cm - Leva (dubina štoka 0-16 cm)	kom/pcs	2.00	-	
7.5.2	B	70x205 cm - Leva (dubina štoka 16-30 cm)	kom/pcs	2.00	-	
7.5.3	C	70x205 cm - Desna (dubina štoka 0-16 cm)	kom/pcs	2.00	-	
7.5.4	D	70x205 cm - Desna (dubina štoka 16-30 cm)	kom/pcs	2.00	-	
7.5.5	E	80x205 cm - Leva (dubina štoka 0-16 cm)	kom/pcs	7.00	-	
7.5.6	F	80x205 cm - Leva (dubina štoka 16-30 cm)	kom/pcs	1.00	-	
7.5.7	G	80x205 cm - Desna (dubina štoka 0-16 cm)	kom/pcs	1.00	-	
7.5.8	H	80x205 cm - Desna (dubina štoka 16-30 cm)	kom/pcs	6.00	-	
7.5.9	I	90x205 cm - Leva (dubina štoka 0-16 cm)	kom/pcs	5.00	-	
7.5.10	J	90x205 cm - Leva (dubina štoka 16-30 cm)	kom/pcs	21.00	-	
7.5.11	K	90x205 cm - Desna (dubina štoka 0-16 cm)	kom/pcs	2.00	-	
7.5.12	L	90x205 cm - Desna (dubina štoka 16-30 cm)	kom/pcs	32.00	-	

8	D	OSTALA OPREMA I MATERIJAL				
8.1	D 1	Jednostruki dimnjak prečnika $\Phi 140$ mm. Troslojni montažni dimnjački sistem namenjen za sva ložišta i sve vrste goriva, bez ventilacije. Sastavljen je od: dimnjačke cevi od tehničke keramike, izolacije oko cevi dimnjaka od kamene vune minimalne specifične težine 80kg/m ³ , spoljnog dimnjačkog plašta od lakog betona, vatrootalnog lepka u kartušama, vatrootpornih i gasnonepropusnih atestiranih troslojnih vratanača , kondenz posude, priključaka za reviziju i ložišta, krovne ploče od staklo betona, nosača tervola i tvrdih tervol ploča za priključke, ventilacione rešetke, dilatacione rozete od nerđajućeg čelika. Spoljna dimenzija dimnjačkog plašta za	m1		90.00	-

9	V	Vodovod Kanalizacija Oprema				
		Vodovod				
9.1	V 1	Vodovodne polietilenske cevi PE 100 PN16 za radni pritisak 16 bara (SDR 11)	/	/	/	/
9.1.1	A	d25 (s min. 2,3) - 3/4"	m1	45.00	-	
9.1.2	B	d32 (s min. 3,0) - 1"	m1	-	-	
9.1.3	C	d40 (s min. 3,7) - 5/4"	m1	-	-	
9.2	V 2	Vodovodne cevi PP-R 80 PN20 za radni pritisak 20 bara, bele ili zelene boje (materijal: polipropilen-random kapolimer)	/	/	/	/
9.2.1	B	d20 (s min. 3,4) - 1/2"	m1	250.00	-	
9.2.2	C	d25 (s min. 4,2) - 3/4"	m1	425.00	-	
9.2.3	D	d32 (s min. 5,4) - 1"	m1	-	-	
9.3	V 3	Vodomer sa prirubnicama, holenderima i pripadajućom opremom za montažu, za pritisak do 16 bara	/	/	/	/
9.3.1	A	horizontalni 3/4"	kom/pcs	-	-	
9.3.2	B	horizontalni 1"	kom/pcs	-	-	
9.3.3	C	horizontalni 5/4"	kom/pcs	-	-	
9.4	V 4	Ravni propusni ventil sa ogrankom za pražnjenje	/	/	/	/
9.4.1	A	d25 (s min. 2,3) - 3/4"	kom/pcs	3.00	-	
9.4.2	B	d32 (s min. 3,0) - 1"	kom/pcs	-	-	

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9.5	V 5	Propusni ventil za uzidanje sa kapom	/	/	/	/
9.5.1	A	d20 (s min. 3,4) - 1/2"	kom/pcs	2.00	-	
9.5.2	B	d25 (s min. 4,2) - 3/4"	kom/pcs	6.00	-	
9.5.3	C	d32 (s min. 3,0) - 1"	kom/pcs	-	-	
9.6	V 6	Ugaoni "EK" sa kapom	/	/	/	/
9.6.1	A	d20 (s min. 3,4) - 1/2"	kom/pcs	1.00	-	
9.7	V 7	Termička izolacija vodovodnih cevi -tipa plamaflex ISO ili sl.	/	/	/	/
9.7.1	B	d20 (22/9) - 1/2"	m1	-	-	
9.7.2	C	d25 (25/9) - 3/4"	m1	-	-	
9.7.3	D	d32 (35/9)- 1"	m1	-	-	
		Kanalizacija				
9.8	V 8	PVC kanalizacione cevi SDR 41 / SN4 / PN5 za spoljni razvod, kućna i ulična kanalizacija	/	/	/	/
9.8.1	A	d110 (s min. 3,2) dužina 6,0m	kom/pcs	54.00	-	
9.8.2	B	d160 (s min. 4,0) dužina 6,0m	kom/pcs	-	-	
9.9	V 9	Plastične PP cevi SDR 51 / SN2 / PN4 za unutrašnji (kućni) razvod, kućna kanalizacija	/	/	/	/
9.9.1	A	d50 (s min. 1,8) dužina 3,0m	kom/pcs	95.00	-	
9.9.2	B	d75 (s min. 1,9) dužina 3,0m	kom/pcs	76.00	-	
9.9.3	C	d110 (s min. 2,7) dužina 3,0m	kom/pcs	70.00	-	
9.10	V 10	Plitki PE podni sливник d50 sa horizontalnim odvodom dimenzija 150x150mm	kom/pcs	7.00	-	
9.11	V 11	Zidni sifoni sa odvodnom mesinganom cevi d32 (mašina za pranje veša i sudova)	kom/pcs	5.00	-	
		Oprema u kupatilu				
9.12	V 12	WC šolja od keramike I klase	kom/pcs	16.00	-	
9.13	V 13	Niskomontažni plastični predzidni vodokotlič za nisku montažu iznad wc šolje sa plovkom i svim potrebnim delovima za funkcionišanje vodokotliča	kom/pcs	15.00	-	
9.14	V 14	Umivaonikom sa stubom od keramike I klase	kom/pcs	16.00	-	
9.15	V 15	Pravougaona akrilna tuš kada dimenzija 90x90cm sa odlivnim ventilom	kom/pcs	17.00	-	
9.16	V 16	Električni akumulacioni bojler 50l vertikalni grejač 2 kW, napon 230V, kazan izrađen od emajliranog lima, sa pratećim materijalom za ugradnju	kom/pcs	16.00	-	
9.17	V 17	Ogledalo sa etažerom (iznad umivaonika) četvrtasto, min. dimenzija 80x60cm	kom/pcs	15.00	-	
9.18	V 18	Baterije (slavine) hromirane baterije za hladnu i toplu vodu	/	/	/	/
9.18.1	A	za umivaonik jednoručna stojeća	kom/pcs	17.00	-	
9.18.2	B	za tuš kadu (sa tuš ručicom i tuš crevom) jednoručna sa poniklovanim savitljivim crevom	kom/pcs	18.00	-	
9.18.3	C	za mašinu za veš i sudove, holender slavina DN20/15, s pripadajućom opremom za ugradnju	kom/pcs	17.00	-	
		Oprema u kuhinji				
9.19	V 19	Korito sudopere od "Inox "-a (dvodelno) (izrađeno od plemenitog nerđajućeg čelika) orijentacione dimenzije: 780 x 435 x 150 mm	kom/pcs	9.00	-	
9.20	V 20	Električni akumulacioni bojler 5l za ugradnju iznad sudopere, vertikalni grejač 2 kW, napon 230V, kazan izrađen od plastike sa pratećim materijalom za ugradnju	kom/pcs	11.00	-	
9.21	V 21	Baterija za sudoper jednoručna stojeća hromirana baterija za hladnu i toplu vodu	kom/pcs	12.00	-	

10	E	ELEKTRO MATERIJAL I OPREMA				
		Kablovi i kablovski pribor				
10.1	E 1	Napojni kablovi	/	/	/	/
10.1.1	A	X00-A 4x16 mm2	m	15.00	-	
10.1.2	B	PP00-Y 5x6 mm2	m	-	-	

KOD/ CODE		Opis građevinskog materijala	Jed. prod./ UNIT	Jedinična prod.cena/ UNIT PRICE	Zbir Količina po materijalima/ SUM QTY	ZBIR UKUPNO PO MATERIJALIMA/ SUM PRICE
10.1.3	C	PP00-Y 5x10 mm2	m		-	-
10.2	E 2	Instalacioni kablovi	/	/	/	/
10.2.1	A	PP-Y 3x1,5 mm2	m		1,300.00	-
10.2.2	B	PP-Y 4x1,5 mm2	m		100.00	-
10.2.3	C	PP-Y 3x2,5 mm2	m		1,170.00	-
10.2.4	D	PP-Y 5x2,5 mm2	m		450.00	-
10.3	E 3	Instalacione PVC cevi	/	/	/	/
10.3.1	A	fi 16mm2	m		100.00	-
10.3.2	B	fi 50mm2	m		-	-
		Razvodne table i oprema				
10.4	E 4	10.4 E4 Razvodna tabla Stanska, za ugradnju na zid sa transparentim vratima, sa mestom za 18 modula, DIN šinom, IP40 Razvodna tabla sadrži : 1. Jednopolni instalacioni prekidač (automatski osigurač) za montažu na DIN šinu nom. napona 230V/400V, 50Hz; karakteristike B; prekidne moći 6kA: - nazivne struje 6A -komada 1, - nazivne struje 10A-komada 2 - nazivne struje 16A- komada 9 2. Signalna sijalica za signalizaciju tarife 230V za ugradnju u stansku razvodnu tablu, montažu na DIN šinu - komada 1; 3. FID sklopka za ugradnju u stansku razvodnu tablu, montažu na DIN šinu -16A/30mA, 2-polna, 230V, 50Hz-komada 2; -25A/0,5A, 4-polna, 230V/400V, 50Hz-komada 1; 3. Instalaciono zvono 230V, 50Hz; za ugradnju u stansku razvodnu tablu, montažu na DIN šinu- komada 1	kom/pcs		9.00	-
		Instalacioni materijal				
10.5	E 5	Instalaciona kutija za ugradnju u završnu obradu zida	/	/	/	/
10.5.1	A	fi 60 mm	kom/pcs		90.00	-
10.5.2	B	fi 78 mm	kom/pcs		25.00	-
10.5.3	C	100x100mm	kom/pcs		8.00	-
10.6	E 6	Instalaciona priključnica IP20 za ugradnju u završnu obradu zida sa zaštitnim kontaktom	/	/	/	/
10.6.1	A	16A, monofazna, 250 V	kom/pcs		114.00	-
10.6.2	B	16A, monofazna, dupla, 250 V	kom/pcs		43.00	-
10.6.3	C	16A, trofazna, 400V	kom/pcs		21.00	-
10.7	E 7	Instalaciona priključnica IP43 sa poklopcom za ugradnju u završnu obradu zida, sa zaštit. kontaktom, 16A, monofazna, 250 V	kom/pcs		4.00	-
10.8	E 8	Prekidači IP20 za ugradnju u završnu obradu zida	/	/	/	/
10.8.1	A	običan, 10A	kom/pcs		91.00	-
10.8.2	B	serijski, 10A	kom/pcs		12.00	-
10.8.3	C	za zvono	kom/pcs		4.00	-
10.8.4	D	Instalacioni prekidač "KIP" 16A	kom/pcs		1.00	-
10.9	E 9	Indikator za kupatilo sa tri sklopke 16A i signalnim sijalicama	kom/pcs		10.00	-
		Svetiljke				
10.10	E 10	Svetiljka za montažu na plafon sa inkadescentnom sijalicom 60W, E-27.	/	/	/	/
10.10.1	A	IP 43 za sanitarni čvor			6.00	-
10.10.2	B	IP 20 za unutrašnje prostorije			29.00	-
		Instalacija uzemljenja i gromobrana				
10.11	E 11	Pocinkovana traka	/	/	/	/
10.11.1	A	FeZn 25x4mm	m		145.00	-
10.11.2	B	FeZn 20x3mm	m		-	-
10.12	E 12	SIP ormarić (PS49) sa sabirnicom za izjednačenje potencijala	kom/pcs		4.00	-

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10.13	E	13	Provodnici za uzemljenje	/	/	/	/
10.13.1	A		PP00-Y 1x16mm2	m	5.00	-	
10.13.2	B		P/F-Y 1x6mm2	m	15.00	-	
10.13.3	C		P/F-Y 1x4mm2	m	-	-	
			Instalacija slabe struje				
10.14	E	14	Antenski koaksijalni kabl RG 6	m	25.00	-	
10.15	E	15	Telefonski kabli sa bakarnim provodnicima IY(St)Y 2x2x0.8mm	m	15.00	-	
10.16	E	16	Priklučnica	/	/	/	/
10.16.1	A		Telefonska - RJ11 za montažu u dozni fi 60mm	m	3.00	-	
10.16.2	B		RTV priključnica za montažu u dozni fi 60mm	kom/pcs	3.00	-	

POTPROJEKAT/ SUBPROJECT	37
ID KORISNIKA/ USER ID	37
OPŠTINA ISPORUKE/ MUNICIPALITY	37
MESTO ISPORUKE/ CITY	37

KOD/ CODE		Opis građevinskog materijala	Jed. prod./ UNIT	Jedinična prod.cena/ UNIT PRICE	Zbir Količina po materijalima/ SUM QTY	ZBIR UKUPNO PO MATERIJALIMA/ SUM PRICE
1	A	OSNOVNI GRAĐEVINSKI MATERIJAL				
1.1	O 1	Cement za betone do MB 30	kg	-	88,900.00	-
1.2	O 2	Hidratisani gašeni kreč pripremljen u prahu	kg	-	3,800.00	-
1.3	O 3	Rebrasto betonsko gvožđe (RA)	/	/		/
1.3.1	A	10 mm - dužine 12m	kg	-	7,74	-
1.3.2	B	12 mm - dužine 12m	kg	-	2,390.41	-
1.3.3	C	14 mm - dužine 12m	kg	-	1,820.40	-
1.3.4	D	16 mm - dužine 12m	kg	-	-	-
1.4	O 4	Glatko betonsko gvožđe (GA)	/	/		/
1.4.1	B	8 mm - dužine 12m	kg	-	1,016.34	-
1.4.2	C	10 mm - dužine 12m	kg	-	370.00	-
1.5	O 5	Armaturalna betonska mreža dim. (dxš) 6000 x 2150 = 12,9 m2/kom	/	/		/
1.5.1	A	Q84 /4x4/150x150/	kg	-	-	-
1.5.2	B	Q131 /5x5/150x150/	kg	-	-	-
1.5.3	C	Q188 /6x6/150x150/	kg	-	2,091.38	-
1.5.4	D	Q283 /6x6/100x100/	kg	-	989.57	-
1.5.5	E	Q335 /8x8/150x150/	kg	-	1,895.94	-
2	Z	MATERIJAL ZA ZIDANJE, MALTERISANJE, GLETOVANJE I FARBANJE			-	
2.1	Z 1	Giter blok (d/š/v) 250x190x190 mm	kom/pcs	-	18,080.00	-
2.2	Z 2	Giter polublok (12cm) (d/š/v) 250x120x190mm	kom/pcs	-	2,100.00	-
2.3	Z 3	Opeka puna (d/š/v) 250x120x65 mm	kom/pcs	-	26,624.00	-
2.4	Z 4	Blok od porobetona za pregradni zid (d/š/v) 625x200x200 mm	kom/pcs	-	-	-
2.5	Z 5	Fert nosači (gredice) Dužina nosača je jednak dužini binora = širina otvora između zidova + 30 cm. Broj gredica = dužina prostorije x 0,40	/	/		/
2.5.1	A	0,00-3,90 m	m1	-	452.40	-
2.5.2	B	3,91-4,50 m	m1	-	-	-
2.5.3	C	4,51-4,90 m	m1	-	122.50	-
2.5.4	D	4,91-5,30 m	m1	-	-	-
2.5.5	E	5,31-5,90 m	m1	-	389.40	-
2.5.6	F	5,91-6,30 m	m1	-	321.30	-
2.6	Z 6	Fert ispuna (d/š/v) 245x285/275x160 mm	kom/pcs	-	4,788.00	-
2.7	Z 7	Malter za zidanje Pripremljeno krečno - cementno vezivo	kg	-	11,010.00	-
2.8	Z 8	Malter za malterisanje Pripremljeno krečno - cementno vezivo	kg	-	60,400.00	-
2.9	Z 9	Krečna glet masa Bezcementna krečna masa za gletovanje	kg	-	13,175.00	-
2.10	Z 10	Poludisperzivna boja Poludisperziona boja razrediva vodom	kg	-	2,045.00	-
3	K	MATERIJAL ZA KROVNU KONSTRUKCIJU, KROVNI POKRIVAČ, OSB I GIPS KARONSKE TABLE			-	
3.1	K 1	Presovani glineni crep I klase dimenzija: 400-450x245-275 mm	kom/pcs	-	94,400.00	-
3.2	K 3	Biber crep I klase	kom/pcs	-	21,760.00	-
3.3	K 2	Slemeni crep I klase (žljebnjak)	kom/pcs	-	2,068.00	-
3.4	K 4	Paropropusna i vodonepropusna krovna folija kontrola vodene pare iznad termoizolacije	m2	-	6,600.00	-
3.5	K 5	Staklena mineralna vuna termoizolacija potkrovila između rogova	/	/		/
3.5.1	A	debljina d=10 cm	m2	-	2,136.80	-
3.5.2	B	debljina d=12 cm	m2	-	623.00	-
3.5.3	C	debljina d=14 cm	m2	-	160.00	-
3.6	K 6	Parna brana kontrola vodene pare ispod termoizolacije	m2	-	3,335.00	-

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3.7	K 7	Čamova rezana građa različitog preseka dužine 400 cm	/	/		/
3.7.1	A	Rog/Venčanica/Raspinjača 10/12 cm	m3	-	7.35	-
3.7.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	m3	-	1.01	-
3.7.3	C	Stub/Grebenjača 14/14 cm	m3	-	2.27	-
3.7.4	H	Tavanjače 18/26 cm	m3	-	-	-
3.8	K 8	Čamova rezana građa različitog preseka dužine 600 cm	/	/		/
3.8.1	A	Rog/Venčanica/Raspinjača 10/12 cm	m3	-	65.72	-
3.8.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	m3	-	18.92	-
3.8.3	C	Stub/Grebenjača 14/14 cm	m3	-	12.64	-
3.8.4	D	Rožnjača 14/16 cm	m3	-	4.83	-
3.8.5	E	Kosnik/Pajanta 10/10 cm	m3	-	5.22	-
3.8.6	F	Klešta 6/12 cm	m3	-	9.21	-
3.8.7	G	Krovna štafla 5/8 cm	m3	-	1.15	-
3.8.8	H	Tavanjače 18/26 cm	m3	-	7.73	-
3.9	K 9	Gradičinska daska - fosna 4,8/25/400 cm	m3	-	1.32	-
3.10	K 10	Krovna daska od čamove rezane građe 2,4-2,5/15 cm, isporučuje se dužine l=3,0 metra	m3	-	32.86	-
3.11	K 11	Krovna letva od čamove rezane građe 3 / 5 cm , isporučuje se dužine l=3,0 metra	m1	-	30,135.00	-
3.12	K 12	OSB3 vlagootporne konstruktivne ploče d=18 mm / dim. 2440 x 1220	kom/pcs	-	1,509.18	-
3.13	K 13	Standardne gips kartonske ploče - Tip A dimenzije: 1200-1250 x 2000 mm	kom/pcs	-	259.20	-
3.14	K 14	Vlagootporne gips kartonske ploče - Tip H2 dimenzije: 1200-1250 x 2000 mm	kom/pcs	-	65.60	-
3.15	K 15	Celični pocinkovani i farbani olučni elementi prečnika: Ø 100 mm dužine 600 cm	/	/		/
3.15.1	A	Horizontalni polukružni	kom/pcs	-	233.00	-
3.15.2	B	Vertikalni kružni oluč	kom/pcs	-	124.00	-
					-	
4	P	MATERIJAL ZA PODOVE, LAMINAT, PLOČICE I XPS			-	
4.1	P 1	Unutrašnje podne keramičke pločice Min. dimenzije pločica: 200x300 mm	m2	-	442.00	-
4.2	P 2	Unutrašnje zidne keramičke pločice Min. dimenzije pločica: 200x300 mm	m2	-	565.00	-
4.3	P 3	Lepak za keramičke pločice Fleksibilni, polimer-cementni lepak	kg	-	3,282.00	-
4.4	P 4	Fleksibilna masa za fugovanje Vodooodbojna fug masa na bazi cementa	kg	-	514.00	-
4.5	P 5	Laminat - jakopresovani (HLP) sa klik sistemom, dezen: hrast natur (prirodni)	m2	-	1,965.00	-
4.6	P 6	Lajsne za laminat od medijapanata materijal: medijapan / MDF	m1	-	2,235.30	-
4.7	P 7	Podloga za laminat od polietilenske pene Sunderasta podloga za laminat	m2	-	2,029.50	-
4.8	P 8	Cementni suvi estrih (cementna košuljica). Pripremljeno cementno praškasto vezivo	kg	-	123,420.00	-
4.9	P 9	Gradičinska PVC folija Za razdvajanje cementne košuljice od termo izolacije.	m2	-	1,940.00	-
4.10	P 10	Stirodur (XPS) za izolaciju na podovima) ploča od ekstrudirane polistirenske pene	/	/		/
4.10.1	A	debljine d=2 cm	m2	-	1,505.00	-
4.10.2	B	debljine d=5 cm	m2	-	426.00	-
					-	
5	F	MATERIJAL ZA IZRADU FASADE			-	
5.1	F 1	EPS za termoizolaciju fasadnih zidova ploča od ekspandiranog polistirena	/	/		/
5.1.1	A	debljina d=8 cm	m2	-	951.00	-
5.1.2	B	debljina d=10 cm	m2	-	1,191.50	-
5.1.3	C	debljina d=12 cm	m2	-	368.00	-
5.1.4	D	debljina d=14 cm	m2	-	-	-
5.2	F 2	Gradičinski lepak za EPS ploče cementni lepak namenjen za lepljenje ploča od ekspandiranog polistirena (EPS) i armiranje armature (rabic) mrežice	kg	-	33,690.00	-
5.3	F 3	Armaturalna (rabic) staklena mrežica. Visokokvalitetna alkalno postojana staklena mrežica	m2	-	3,900.00	-

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5.4	F 4	Aktivni predpremaz pre nanošenja tankoslojnog fasadnog maltera. predpremaz za izjednačavanje upijanja - podloga	kg	-	850.00	-
5.5	F 5	Fasadni tankoslojni akrilni malter Završni malter u pastoznom stanju, namenjen za zaštitu fasadnih zidnih površina	/	/		/
5.5.1	A	boja približna RAL 1034 -kajsija	kg	-	11,165.00	-
5.5.2	B	boja približna RAL 6005 -pastelno zelena	kg	-		-
5.5.3	C	boja približna RAL 5023 -pastelno plava	kg	-		-
5.5.4	D	boja približna RAL 3011 -pastelno crvena	kg	-		-
5.5.5	E	boja približna RAL 8002 -braon	kg	-		-
					-	
6	H	MATERIJAL ZA HIDRO IZOLACIJE			-	
6.1	H 1	Bitulit (prethodni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	kg	-	211.50	-
6.2	H 2	Poliazbitol (hladni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	kg	-	-	-
6.3	H 3	Ter papir Bitumenska hidroizolaciona traka.	m2	-	40.00	-
6.4	H 4	Kondor V-3 (hidroizolaciona traka) Plastomer-bitumenska traka, uložak stakleni voal, debljina: ≥ 3 mm	m2	-	1,310.00	-
					-	
7	S	STOLARIJA			-	
7.1	S 1	Ulažna vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	/	/		/
7.1.1	A	JK 90x210 cm - Leva 90 cm	kom/pcs	-	9.00	-
7.1.2	B	JK 90x210 cm - Desna 90 cm	kom/pcs	-	15.00	-
7.1.3	C	DK 120x210 cm - Leva 90+30 cm	kom/pcs	-	9.00	-
7.1.4	D	DK 120x210 cm - Desna 90+30 cm	kom/pcs	-	12.00	-
7.2	S 2	Prozori od PVC-a (komplet pozicija). Vertikalno i horizontalno otvaranje, boja profila: bela RAL 9003, broj komora: ≥ 5 komora širina x visina (zidarske mere)	/	/		/
7.2.1	A	JK 60x60 cm	kom/pcs	-	51.00	-
7.2.2	B	JK 80x80 cm	kom/pcs	-	8.00	-
7.2.3	C	JK 80x120 cm	kom/pcs	-	14.00	-
7.2.4	D	JK 80x140 cm	kom/pcs	-	14.00	-
7.2.5	E	JK 100x120 cm	kom/pcs	-	11.00	-
7.2.6	F	JK 100x140 cm	kom/pcs	-	19.00	-
7.2.7	G	DK 120x120 cm	kom/pcs	-	18.00	-
7.2.8	H	DK 120x140 cm	kom/pcs	-	37.00	-
7.2.9	I	DK 140x120 cm	kom/pcs	-	4.00	-
7.2.10	J	DK 140x140 cm	kom/pcs	-	7.00	-
7.2.11	K	DK 160x120 cm	kom/pcs	-	12.00	-
7.2.12	L	DK 160x140 cm	kom/pcs	-	17.00	-
7.3	S 3	Krovni prozor sa aluminijumskom opšivkom od laminirane i impregnirane čamove građe	/	/		/
7.3.1	A	dimenzije 66 x 118 (širinaxvisina)	kom/pcs	-	-	-
7.3.2	B	dimenzije 78 x 98 (širinaxvisina)	kom/pcs	-	-	-
7.3.3	C	dimenzije 78 x 118 (širinaxvisina)	kom/pcs	-	1.00	-
7.4	S 4	Balkonska vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	/	/		/
7.4.1	A	JK 90x210 cm - Leva	kom/pcs	-	1.00	-
7.4.2	B	JK 90x210 cm - Desna	kom/pcs	-	1.00	-
7.4.3	C	DK 140x210 cm	kom/pcs	-	2.00	-
7.5	S 5	Unutrašnja vrata sa ispunom od kartonskog sača (komplet pozicija). širina x visina (spoljna mera futera)	/	/		/
7.5.1	A	70x205 cm - Leva (dubina štoka 0-16 cm)	kom/pcs	-	2.00	-
7.5.2	B	70x205 cm - Leva (dubina štoka 16-30 cm)	kom/pcs	-	2.00	-
7.5.3	C	70x205 cm - Desna (dubina štoka 0-16 cm)	kom/pcs	-	2.00	-
7.5.4	D	70x205 cm - Desna (dubina štoka 16-30 cm)	kom/pcs	-	2.00	-
7.5.5	E	80x205 cm - Leva (dubina štoka 0-16 cm)	kom/pcs	-	7.00	-

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7.5.6	F	80x205 cm - Leva (dubina štoka 16-30 cm)	kom/pcs	-	1.00	-
7.5.7	G	80x205 cm - Desna (dubina štoka 0-16 cm)	kom/pcs	-	1.00	-
7.5.8	H	80x205 cm - Desna (dubina štoka 16-30 cm)	kom/pcs	-	6.00	-
7.5.9	I	90x205 cm - Leva (dubina štoka 0-16 cm)	kom/pcs	-	5.00	-
7.5.10	J	90x205 cm - Leva (dubina štoka 16-30 cm)	kom/pcs	-	21.00	-
7.5.11	K	90x205 cm - Desna (dubina štoka 0-16 cm)	kom/pcs	-	2.00	-
7.5.12	L	90x205 cm - Desna (dubina štoka 16-30 cm)	kom/pcs	-	32.00	-
					-	
8	D	OSTALA OPREMA I MATERIJAL			-	
8.1	D 1	Jednostruki dimnjak prečnika $\Phi 140$ mm. Troslojni montažni dimnjački sistem namenjen za sva ložišta i sve vrste goriva, bez ventilacije. Sastavljen je od: dimnjačke cevi od tehničke keramike, izolacije oko cevi dimnjaka od kamene vune minimalne specifične težine 80kg/m3, spoljnog dimnjačkog plašta od lakog betona, vatrostalnog lepka u kartušama, vatrootpornih i gasnonepropusnih atestiranih troslojnih vratanača , kondenz posude, priključaka za reviziju i ložišta, krovne ploče od staklo betona, nosača tervoli i tvrdih tervol ploča za priključke, ventilacione rešetke, dilatacione rozete od nerđajućeg čelika. Spoljna dimenzija dimnjačkog plašta za fi14cm=32x32cm.	m1	-	90.00	-
					-	
9	V	Vodovod Kanalizacija Oprema			-	
		Vodovod			-	
9.1	V 1	Vodovodne polietilenske cevi PE 100 PN16 za radni pritisak 16 bara (SDR 11)	/	/	#VALUE!	/
9.1.1	A	d25 (s min. 2,3) - 3/4"	m1	-	45.00	-
9.1.2	B	d32 (s min. 3,0) - 1"	m1	-	-	-
9.1.3	C	d40 (s min. 3,7) - 5/4"	m1	-	-	-
9.2	V 2	Vodovodne cevi PP-R 80 PN20 za radni pritisak 20 bara, bele ili zelene boje (materijal: polipropilen-random kopolimer)	/	/		/
9.2.1	B	d20 (s min. 3,4) - 1/2"	m1	-	250.00	-
9.2.2	C	d25 (s min. 4,2) - 3/4"	m1	-	425.00	-
9.2.3	D	d32 (s min. 5,4) - 1"	m1	-	-	-
9.3	V 3	Vodomer sa prirubnicama, holenderima i pripadajućom opremom za montažu, za pritisak do 16 bara	/	/		/
9.3.1	A	horizontalni 3/4"	kom/pcs	-	-	-
9.3.2	B	horizontalni 1"	kom/pcs	-	-	-
9.3.3	C	horizontalni 5/4"	kom/pcs	-	-	-
9.4	V 4	Ravni propusni ventil sa ogrankom za pražnjenje	/	/		/
9.4.1	A	d25 (s min. 2,3) - 3/4"	kom/pcs	-	3.00	-
9.4.2	B	d32 (s min. 3,0) - 1"	kom/pcs	-	-	-
9.5	V 5	Propusni ventil za uzidanje sa kapom	/	/		/
9.5.1	A	d20 (s min. 3,4) - 1/2"	kom/pcs	-	2.00	-
9.5.2	B	d25 (s min. 4,2) - 3/4"	kom/pcs	-	6.00	-
9.5.3	C	d32 (s min. 5,0) - 1"	kom/pcs	-	-	-
9.6	V 6	Ugaoni "EK" sa kapom	/	/		/
9.6.1	A	d20 (s min. 3,4) - 1/2"	kom/pcs	-	1.00	-
9.7	V 7	Termička izolacija vodovodnih cevi -tipa plamaflex ISO ili sl.	/	/		/
9.7.1	B	d20 (22/9) - 1/2"	m1	-	-	-
9.7.2	C	d25 (25/9) - 3/4"	m1	-	-	-
9.7.3	D	d32 (35/9)- 1"	m1	-	-	-
		Kanalizacija			-	
9.8	V 8	PVC kanalizacione cevi SDR 41 / SN4 / PN5 za spoljni razvod, kućnu i uličnu kanalizaciju	/	/		/
9.8.1	A	d110 (s min. 3,2) dužina 6,0m	kom/pcs	-	54.00	-
9.8.2	B	d160 (s min. 4,0) dužina 6,0m	kom/pcs	-	-	-
9.9	V 9	Plastične PP cevi SDR 51 / SN2 / PN4 za unutrašnji (kućni) razvod, kućna kanalizacija	/	/		/
9.9.1	A	d50 (s min. 1,8) dužina 3,0m	kom/pcs	-	95.00	-
9.9.2	B	d75 (s min. 1,9) dužina 3,0m	kom/pcs	-	76.00	-
9.9.3	C	d110 (s min. 2,7) dužina 3,0m	kom/pcs	-	70.00	-

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9.10	V	10	Plitki PE podni slivnik d50 sa horizontalnim odvodom dimenzija 150x150mm	kom/pcs	-	7.00	-
9.11	V	11	Zidni sifoni sa odvodnom mesinganom cevi d32 (mašina za pranje veša i sudova)	kom/pcs	-	5.00	-

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Oprema u kupatilu						
9.12	V 12	WC šolja od keramike I klase	kom/pcs	-	16.00	-
9.13	V 13	Niskomontažni plastični predzidni vodokotlić za nisku montažu iznad wc šolje sa plovkom i svim potrebnim delovima za funkcionisanje vodokotlića	kom/pcs	-	15.00	-
9.14	V 14	Umivaonikom sa stubom od keramike I klase	kom/pcs	-	16.00	-
9.15	V 15	Pravougaona akrilna tuš kada dimenzija 90x90cm sa odlivnim ventilom	kom/pcs	-	17.00	-
9.16	V 16	Električni akumulacioni bojler 50l vertikalni grejač 2 kW, napon 230V, kazan izrađen od emajliranog lima, sa pratećim materijalom za ugradnju	kom/pcs	-	16.00	-
9.17	V 17	Ogledalo sa etažerom (iznad umivaonika) četvrtasto, min. dimenzija 80x60cm	kom/pcs	-	15.00	-
9.18	V 18	Baterije (slavine) hromirane baterije za hladnu i toplu vodu	/	/		/
9.18.1	A	za umivaonik jednoručna stojeća	kom/pcs	-	17.00	-
9.18.2	B	za tuš kadu (sa tuš ručicom i tuš crevom) jednoručna sa poniklovanim savitljivim crevom	kom/pcs	-	18.00	-
9.18.3	C	za mašinu za veš i sudove, holender slavina DN20/15, s pripadajućom opremom za ugradnju	kom/pcs	-	17.00	-
Oprema u kuhinji						
9.19	V 19	Korito sudopere od "Inox "-a (dvodelno) (izrađeno od plemenitog nerđajućeg čelika) orienacione dimenzije: 780 x 435 x 150 mm	kom/pcs	-	9.00	-
9.20	V 20	Električni akumulacioni bojler 51 za ugradnju iznad sudopere, vertikalni grejač 2 kW, napon 230V, kazan izrađen od plastike sa pratećim materijalom za ugradnju	kom/pcs	-	11.00	-
9.21	V 21	Baterija za sudoperu jednoručna stojeća hromirana baterija za hladnu i toplu vodu	kom/pcs	-	12.00	-
-						
10	E	ELEKTRO MATERIJAL I OPREMA			-	
Kablovi i kablovski pribor						
10.1	E 1	Napojni kablovi	/	/		/
10.1.1	A	X00-A 4x16 mm ²	m	-	15.00	-
10.1.2	B	PP00-Y 5x6 mm ²	m	-	-	-
10.1.3	C	PP00-Y 5x10 mm ²	m	-	-	-
10.2	E 2	Instalacioni kablovi	/	/		/
10.2.1	A	PP-Y 3x1,5 mm ²	m	-	1,300.00	-
10.2.2	B	PP-Y 4x1,5 mm ²	m	-	100.00	-
10.2.3	C	PP-Y 3x2,5 mm ²	m	-	1,170.00	-
10.2.4	D	PP-Y 5x2,5 mm ²	m	-	450.00	-
10.3	E 3	Instalacione PVC cevi	/	/		/
10.3.1	A	fi 16mm ²	m	-	100.00	-
10.3.2	B	fi 50mm ²	m	-	-	-
Razvodne table i oprema						

KOD/ CODE		Opis građevinskog materijala	Jed. prod./ UNIT	Jedinična prod.cena/ UNIT PRICE	Zbir Količina po materijalima/ SUM QTY	ZBIR UKUPNO PO MATERIJALIMA/ SUM PRICE
10.4	E 4	<p>10.4 E4 Razvodna tabla Stanska, za ugradnju na zid sa transparentim vratima, sa mestom za 18 modula, DIN šinom, IP40</p> <p>Razvodna tabla sadrži :</p> <p>1. Jednopolni instalacioni prekidač (automatski osigurač) za montažu na DIN šinu nom. napona 230V/400V, 50Hz; karakteristike B; prekidne moći 6kA: - nazivne struje 6A -komada 1, - nazivne struje 10A-komada 2 - nazivne struje 16A- komada 9</p> <p>2. Signalna sijalica za signalizaciju tarife 230V za ugradnju u stansku razvodnu tablu, montažu na DIN šinu- komada 1;</p> <p>3. FID sklopka za ugradnju u stansku razvodnu tablu, montažu na DIN šinu -16A/30mA, 2-polna, 230V, 50Hz-komada 2; -25A/0,5A, 4-polna, 230V/400V, 50Hz- komada 1;</p> <p>3. Instalaciono zvono 230V, 50Hz; za ugradnju u stansku razvodnu tablu, montažu na DIN šinu-komada 1</p>	kom/pcs	-	9.00	-

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		Instalacioni materijal			#VALUE!	
10.5	E 5	Instalaciona kutija za ugradnju u završnu obradu zida	/	/		/
10.5.1	A	fi 60 mm	kom/pcs	-	90.00	-
10.5.2	B	fi 78 mm	kom/pcs	-	25.00	-
10.5.3	C	100x100mm	kom/pcs	-	8.00	-
10.6	E 6	Instalaciona priključnica IP20 za ugradnju u završnu obradu zida sa zaštitnim kontaktom	/	/		/
10.6.1	A	16A, monofazna, 250 V	kom/pcs	-	114.00	-
10.6.2	B	16A, monofazna, dupla, 250 V	kom/pcs	-	43.00	-
10.6.3	C	16A, trofazna, 400V	kom/pcs	-	21.00	-
10.7	E 7	Instalaciona priključnica IP43 sa poklopcom za ugradnju u završnu obradu zida, sa zaštit. kontaktom, 16A, monofazna, 250 V	kom/pcs	-	4.00	-
10.8	E 8	Prekidač IP20 za ugradnju u završnu obradu zida	/	/		/
10.8.1	A	običan, 10A	kom/pcs	-	91.00	-
10.8.2	B	serijski, 10A	kom/pcs	-	12.00	-
10.8.3	C	za zvono	kom/pcs	-	4.00	-
10.8.4	D	Instalacioni prekidač "KIP" 16A	kom/pcs	-	1.00	-
10.9	E 9	Indikator za kupatilo sa tri sklopke 16A i signalnim sijalicama	kom/pcs	-	10.00	-
		Svetiljke			-	
10.10	E 10	Svetiljka za montažu na plafon sa inkadescentnom sijalicom 60W, E-27.	/	/		/
10.10.1	A	IP 43 za sanitarni čvor		-	6.00	-
10.10.2	B	IP 20 za unutrašnje prostorije		-	29.00	-
		Instalacija uzemljenja i gromobrana			-	
10.11	E 11	Pocinkovana traka		/		/
10.11.1	A	FeZn 25x4mm	m	-	145.00	-
10.11.2	B	FeZn 20x3mm	m	-	-	-
10.12	E 12	SIP ormarić (PS49) sa sabirnicom za izjednačenje potencijala	kom/pcs	-	4.00	-
10.13	E 13	Provodnici za uzemljenje	/	/		/
10.13.1	A	PP00-Y 1x16mm2	m	-	5.00	-
10.13.2	B	P/F-Y 1x6mm2	m	-	15.00	-
10.13.3	C	P/F-Y 1x4mm2	m	-	-	-
		Instalacija slabe struje			-	
10.14	E 14	Antenski koaksijalni kabl RG 6	m	-	25.00	-
10.15	E 15	Telefonski kabl sa bakarnim provodnicima I(Y/St)Y 2x2x0.8mm	m	-	15.00	-
10.16	E 16	Priklučnice	/	/		/
10.16.1	A	Telefonska - RJ11 za montažu u dozni fi 60mm	m	-	3.00	-
10.16.2	B	RTV priključnica za montažu u dozni fi 60mm	kom/pcs	-	3.00	-

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1	A	OSNOVNI GRAĐEVINSKI MATERIJAL				
1.1	O 1	Cement za betone do MB 30	kg			
1.2	O 2	Hidratisani gašeni kreč pripremljen u prahu	kg			
1.3	O 3	Rebrasto betonsko gvožđe (RA)	/	/	-	/
1.3.1	A	10 mm - dužine 12m	kg			
1.3.2	B	12 mm - dužine 12m	kg			
1.3.3	C	14 mm - dužine 12m	kg			
1.3.4	D	16 mm - dužine 12m	kg			
1.4	O 4	Glatko betonsko gvožđe (GA)	/	/	-	/
1.4.1	B	8 mm - dužine 12m	kg			
1.4.2	C	10 mm - dužine 12m	kg			
1.5	O 5	Armaturna betonska mreža dim. (dxš) 6000 x 2150 = 12,9 m2/kom	/	/	-	/
1.5.1	A	Q84 /4x4/150x150/	kg			
1.5.2	B	Q131 /5x5/150x150/	kg			
1.5.3	C	Q188 /6x6/150x150/	kg			
1.5.4	D	Q283 /6x6/100x100/	kg			
1.5.5	E	Q335 /8x8/150x150/	kg			

2	Z	MATERIJAL ZA ZIDANJE, MALTERISANJE, GLETOVANJE I FARBANJE				
2.1	Z 1	Giter blok (d/š/v) 250x190x190 mm	kom/pcs			
2.2	Z 2	Giter polublok (12cm) (d/š/v) 250x120x190mm	kom/pcs			
2.3	Z 3	Opeka puna (d/š/v) 250x120x65 mm	kom/pcs			
2.4	Z 4	Blok od porobetona za pregradni zid (d/š/v) 625x200x200 mm	kom/pcs			
2.5	Z 5	Fert nosači (gredice) Dužina nosača je jednaka dužini binora = širina otvora između zidova + 30 cm. Broj gredica = dužina prostorije x 0,40	/	/	-	/
2.5.1	A	0,00-3,90 m	m1			
2.5.2	B	3,91-4,50 m	m1			
2.5.3	C	4,51-4,90 m	m1			
2.5.4	D	4,91-5,30 m	m1			
2.5.5	E	5,31-5,90 m	m1			
2.5.6	F	5,91-6,30 m	m1			
2.6	Z 6	Fert ispuna (d/š/v) 245x285/275x160 mm	kom/pcs			
2.7	Z 7	Malter za zidanje Pripremljeno krečno - cementno vezivo	kg			

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2.8	Z 8	Malter za malterisanje Pripremljeno krečno - cementno vezivo	kg			
2.9	Z 9	Krečna glet masa Bezcementna krečna masa za qletovanje	kg			
2.10	Z 10	Poludisperzivna boja Poludisperziona boja razrediva vodom	kg			
3	K	MATERIJAL ZA KROVNU KONSTRUKCIJU, KROVNI POKRIVAČ, OSB I GIPS KARONSKE TABLE				
3.1	K 1	Presovani glineni crep I klase dimenzija: 400-450x245-275 mm	kom/pcs			
3.2	K 3	Biber crep I klase	kom/pcs			
3.3	K 2	Slemeni crep I klase (žljebnjak)	kom/pcs			
3.4	K 4	Paropropusna i vodonepropusna krovna folija kontrola vodene pare iznad termoizolacije	m2			
3.5	K 5	Staklena mineralna vuna termoizolacija potkrovija između rogova	/	/	-	/
3.5.1	A	debljina d=10 cm	m2			
3.5.2	B	debljina d=12 cm	m2			
3.5.3	C	debljina d=14 cm	m2			
3.6	K 6	Parna brana kontrola vodene pare ispod termoizolacije	m2			

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3.7	K 7	Čamova rezana građa različitog preseka dužine 400 cm	/	/	-	/
3.7.1	A	Rog/Venčanica/Raspinjača 10/12 cm	m3			
3.7.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	m3			
3.7.3	C	Stub/Grebenjača 14/14 cm	m3			
3.7.4	H	Tavanjače 18/26 cm	m3			
3.8	K 8	Čamova rezana građa različitog preseka dužine 600 cm	/	/	-	/
3.8.1	A	Rog/Venčanica/Raspinjača 10/12 cm	m3			
3.8.2	B	Rog/Stub/Grebenjača/Slemenja. 12/14 cm	m3			
3.8.3	C	Stub/Grebenjača 14/14 cm	m3			
3.8.4	D	Rožnjača 14/16 cm	m3			
3.8.5	E	Kosnik/Pajanta 10/10 cm	m3			
3.8.6	F	Klešta 6/12 cm	m3			
3.8.7	G	Krovna štafla 5/8 cm	m3			
3.8.8	H	Tavanjače 18/26 cm	m3			
3.9	K 9	Građevinska daska - fosna 4,8/25/400 cm	m3			
3.10	K 10	Krovna daska od čamove rezane građe 2,4-2,5/15 cm, isporučuje se dužine l=3,0 metra	m3			
3.11	K 11	Krovna letva od čamove rezane građe 3 / 5 cm , isporučuje se dužine l=3,0 metra	m1			
3.12	K 12	OSB3 vlagootporne konstruktivne ploče d=18 mm / dim. 2440 x 1220	kom/pcs			
3.13	K 13	Standardne gips kartonske ploče - Tip A dimenzije: 1200-1250 x 2000 mm	kom/pcs			
3.14	K 14	Vlagootporne gips kartonske ploče - Tip H2 dimenzije: 1200-1250 x 2000 mm	kom/pcs			
3.15	K 15	Celični pocinkovani i farbanii olučni elementi prečnika: Ø 100 mm dužine 600 cm	/	/	-	/
3.15.1	A	Horizontalni polukružni	kom/pcs			
3.15.2	B	Vertikalni kružni oluk	kom/pcs			

4	P	MATERIJAL ZA PODOVE, LAMINAT, PLOČICE I XPS			
4.1	P 1	Unutrašnje podne keramičke pločice Min. dimenzije pločica: 200x300 mm	m2		
4.2	P 2	Unutrašnje zidne keramičke pločice Min. dimenzije pločica: 200x300 mm	m2		
4.3	P 3	Lepak za keramičke pločice Fleksibilni, polimer-cementni lepak	kg		
4.4	P 4	Fleksibilna masa za fugovanje Vodooodbojna fuga masa na bazi cementa	kg		

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4.5	P 5	Laminat - jakopresovani (HLP) sa klik sistemom, dezen: hrast natur (prirodni)	m2			
4.6	P 6	Lajsne za laminat od medijapanu materijal: medijapan / MDF	m1			
4.7	P 7	Podloga za laminat od polietilenske pene <i>Sunderasta podloga za laminat</i>	m2			
4.8	P 8	Cementni suvi estrih (cementna košuljica). <i>Pripremljeno cementno praškasto vezivo</i>	kg			
4.9	P 9	Građevinska PVC folija Za razdvajanje cementne košuljice od termo izolacije.	m2			
4.10	P 10	Stirodur (XPS za izolaciju na podovima) <i>ploča od ekstrudirane polistirenske pene</i>	/	/	-	/
4.10.1	A	debljine d=2 cm	m2			
4.10.2	B	debljine d=5 cm	m2			

5	F	MATERIJAL ZA IZRADU FASADE				
5.1	F 1	EPS za termoizolaciju fasadnih zidova <i>ploča od ekspandiranog polistirena</i>	/	/	-	/
5.1.1	A	debljina d=8 cm	m2			
5.1.2	B	debljina d=10 cm	m2			
5.1.3	C	debljina d=12 cm	m2			
5.1.4	D	debljina d=14 cm	m2			
5.2	F 2	Građevinski lepak za EPS ploče cementni lepak namenjen za lepljenje ploča od ekspandiranog polistirena (EPS) i <i>armiranje armaturne (rabic) mrežica</i>	kg			
5.3	F 3	Armatura (rabic) staklena mrežica. Visokokvalitetna alkalno postojana staklena <i>mrežica</i>	m2			
5.4	F 4	Aktivni predpremaz pre nanošenja tankslojnog fasadnog maltera. <i>predpremaz za izjednačavanje upijanja - podloga</i>	kg			
5.5	F 5	Fasadni tankslojni akrilni malter Završni malter u pastoznom stanju, namenjen za zaštitu fasadnih zidnih površina	/	/	-	/
5.5.1	A	boja približna RAL 1034 -kajsija	kg			
5.5.2	B	boja približna RAL 6005 -pastelno zelena	kg			
5.5.3	C	boja približna RAL 5023 -pastelno plava	kg			
5.5.4	D	boja približna RAL 3011 -pastelno crvena	kg			
5.5.5	E	boja približna RAL 8002 -braon	kg			

6	H	MATERIJAL ZA HIDRO IZOLACIJE				
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KOD/ CODE		Opis građevinskog materijala	Jed. prod./ UNIT	Proizvodač/ Manufacturer	Oznaka proizvoda/ Product label	Napomena/ Remark
6.1	H 1	Bitulit (prethodni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	kg			
6.2	H 2	Poliazbitol (hladni premaz za hidroizolaciju) Upotrebljava se u isporučenom stanju (hladan postupak) bez zagrevanja	kg			
6.3	H 3	Ter papir Bitumenska hidroizolaciona traka.	m2			
6.4	H 4	Kondor V-3 (hidroizolaciona traka) Plastomer-bitumenska traka, uložak stakleni voal, debeljina: ≥ 3 mm	m2			

7	S	STOLARIJA				
7.1	S 1	Ulažna vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	/	/	-	/
7.1.1	A	JK 90x210 cm - Leva 90 cm	kom/pcs			
7.1.2	B	JK 90x210 cm - Desna 90 cm	kom/pcs			
7.1.3	C	DK 120x210 cm - Leva 90+30 cm	kom/pcs			
7.1.4	D	DK 120x210 cm - Desna 90+30 cm	kom/pcs			
7.2	S 2	Prozori od PVC-a (komplet pozicija). Vertikalno i horizontalno otvaranje, boja profila: bela RAL 9003, broj komora: ≥ 5 komora širina x visina (zidarske mere)	/	/	-	/
7.2.1	A	JK 60x60 cm	kom/pcs			
7.2.2	B	JK 80x80 cm	kom/pcs			
7.2.3	C	JK 80x120 cm	kom/pcs			
7.2.4	D	JK 80x140 cm	kom/pcs			
7.2.5	E	JK 100x120 cm	kom/pcs			
7.2.6	F	JK 100x140 cm	kom/pcs			
7.2.7	G	DK 120x120 cm	kom/pcs			
7.2.8	H	DK 120x140 cm	kom/pcs			
7.2.9	I	DK 140x120 cm	kom/pcs			
7.2.10	J	DK 140x140 cm	kom/pcs			
7.2.11	K	DK 160x120 cm	kom/pcs			
7.2.12	L	DK 160x140 cm	kom/pcs			
7.3	S 3	Krovni prozor sa aluminijumskom opšivkom od laminirane i impregnirane čamove grade	/	/	-	/
7.3.1	A	dimenzije 66 x 118 (širinaxvisina)	kom/pcs			
7.3.2	B	dimenzije 78 x 98 (širinaxvisina)	kom/pcs			
7.3.3	C	dimenzije 78 x 118 (širinaxvisina)	kom/pcs			

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7.4	S 4	Balkonska vrata od PVC-a (komplet pozicija). boja profila: bela RAL 9003 broj komora: ≥ 5 komora širina x visina (zidarske mere)	/	/	-	/
7.4.1	A	JK 90x210 cm - Leva	kom/pcs			
7.4.2	B	JK 90x210 cm - Desna	kom/pcs			
7.4.3	C	DK 140x210 cm	kom/pcs			
7.5	S 5	Unutrašnja vrata sa ispunom od kartonskog saća (komplet pozicija). širina x visina (spoljna mera futera)	/	/	-	/
7.5.1	A	70x205 cm - Leva (dubina štoka 0-16 cm)	kom/pcs			
7.5.2	B	70x205 cm - Leva (dubina štoka 16-30 cm)	kom/pcs			
7.5.3	C	70x205 cm - Desna (dubina štoka 0-16 cm)	kom/pcs			
7.5.4	D	70x205 cm - Desna (dubina štoka 16-30 cm)	kom/pcs			
7.5.5	E	80x205 cm - Leva (dubina štoka 0-16 cm)	kom/pcs			
7.5.6	F	80x205 cm - Leva (dubina štoka 16-30 cm)	kom/pcs			
7.5.7	G	80x205 cm - Desna (dubina štoka 0-16 cm)	kom/pcs			
7.5.8	H	80x205 cm - Desna (dubina štoka 16-30 cm)	kom/pcs			
7.5.9	I	90x205 cm - Leva (dubina štoka 0-16 cm)	kom/pcs			
7.5.10	J	90x205 cm - Leva (dubina štoka 16-30 cm)	kom/pcs			
7.5.11	K	90x205 cm - Desna (dubina štoka 0-16 cm)	kom/pcs			
7.5.12	L	90x205 cm - Desna (dubina štoka 16-30 cm)	kom/pcs			

8	D	OSTALA OPREMA I MATERIJAL				
8.1	D 1	Jednostruki dimnjak prečnika $\Phi 140$ mm. Troslojni montažni dimnjački sistem namenjen za sva ložišta i sve vrste goriva, bez ventilacije. Sastavljen je od: dimnjačke cevi od tehničke keramike, izolacije oko cevi dimnjaka od kamene vune minimalne specifične težine 80kg/m ³ , spoljnog dimnjačkog plića od lakoog betona, vatrostalnog lepka u kartušama, vatrootpornih i gasnonepropusnih atestiranih troslojnih vratanaca , kondenz posude, priključaka za reviziju i ložišta, krovne ploče od staklo betona, nosača tercola i tvrdih tervol ploča za priključke, ventilacione rešetke, dilatacione rozete od nerđajućeg čelika. Spoljna dimenzija dimnjačkog plića za $\text{fi}14\text{cm}=32\times32\text{cm}$.	m1			

9	V	Vodovod Kanalizacija Oprema				
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KOD/ CODE		Opis građevinskog materijala	Jed. prod./ UNIT	Proizvodač/ Manufacturer	Oznaka proizvoda/ Product label	Napomena/ Remark
		Vodovod				
9.1	V 1	Vodovodne polietilenske cevi PE 100 PN16 za radni pritisak 16 bara (SDR 11)	/	/	#VALUE!	/
9.1.1	A	d25 (s min. 2,3) - 3/4"	m1			
9.1.2	B	d32 (s min. 3,0) - 1"	m1			
9.1.3	C	d40 (s min. 3,7) - 5/4"	m1			
9.2	V 2	Vodovodne cevi PP-R 80 PN20 za radni pritisak 20 bara, bele ili zelene boje (materijal: polipropilen-random kapolimer)	/	/	-	/
9.2.1	B	d20 (s min. 3,4) - 1/2"	m1			
9.2.2	C	d25 (s min. 4,2) - 3/4"	m1			
9.2.3	D	d32 (s min. 5,4) - 1"	m1			
9.3	V 3	Vodomer sa prirubnicama, holenderima i pripadajućom opremom za montažu, za pritisak do 16 bara	/	/	-	/
9.3.1	A	horizontalni 3/4"	kom/pcs			
9.3.2	B	horizontalni 1"	kom/pcs			
9.3.3	C	horizontalni 5/4"	kom/pcs			
9.4	V 4	Ravni propusni ventili sa ogrankom za pražnjenje	/	/	-	/
9.4.1	A	d25 (s min. 2,3) - 3/4"	kom/pcs			
9.4.2	B	d32 (s min. 3,0) - 1"	kom/pcs			

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9.5	V 5	Propusni ventil za uzidanje sa kapom	/	/	-	/
9.5.1	A	d20 (s min. 3,4) - 1/2"	kom/pcs			
9.5.2	B	d25 (s min. 4,2) - 3/4"	kom/pcs			
9.5.3	C	d32 (s min. 3,0) - 1"	kom/pcs			
9.6	V 6	Ugaoni "EK" sa kapom	/	/	-	/
9.6.1	A	d20 (s min. 3,4) - 1/2"	kom/pcs			
9.7	V 7	Termička izolacija vodovodnih cevi -tipa plamaflex ISO ili sl.	/	/	-	/
9.7.1	B	d20 (22/9) - 1/2"	m1			
9.7.2	C	d25 (25/9) - 3/4"	m1			
9.7.3	D	d32 (35/9)- 1"	m1			
		Kanalizacija				
9.8	V 8	PVC kanalizacione cevi SDR 41 / SN4 / PN5 za spoljni razvod, kućna i ulična kanalizacija	/	/	-	/
9.8.1	A	d110 (s min. 3,2) dužina 6,0m	kom/pcs			
9.8.2	B	d160 (s min. 4,0) dužina 6,0m	kom/pcs			
9.9	V 9	Plastične PP cevi SDR 51 / SN2 / PN4 za unutrašnji (kućni) razvod, kućna kanalizacija	/	/	-	/
9.9.1	A	d50 (s min. 1,8) dužina 3,0m	kom/pcs			
9.9.2	B	d75 (s min. 1,9) dužina 3,0m	kom/pcs			
9.9.3	C	d110 (s min. 2,7) dužina 3,0m	kom/pcs			
9.10	V 10	Plitki PE podni sливник d50 sa horizontalnim odvodom dimenzija 150x150mm	kom/pcs			
9.11	V 11	Zidni sifoni sa odvodnom mesinganom cevi d32 (машина за прање већа и судова)	kom/pcs			
		Oprema u kupatilu				
9.12	V 12	WC šolja od keramike I klase	kom/pcs			
9.13	V 13	Niskomontažni plastični predzidni vodokotlić za nisku montažu iznad wc šolje sa plovkom i svim potrebnim delovima za funkcionisanje vodokotlića	kom/pcs			
9.14	V 14	Umivaonikom sa stubom od keramike I klase	kom/pcs			
9.15	V 15	Pravougaona akrilna tuš kada dimenzija 90x90cm sa odlivnim ventilom	kom/pcs			
9.16	V 16	Električni akumulacioni bojler 50l vertikalni grejač 2 kW, napon 230V, kazan izrađen od emajliranog lima, sa pratećim materijalom za ugradnju	kom/pcs			
9.17	V 17	Ogledalo sa etažerom (iznad umivaonika) četvrtastoto, min. dimenzija 80x60cm	kom/pcs			

KOD/ CODE		Opis građevinskog materijala	Jed. prod./ UNIT	Proizvodač/ Manufacturer	Oznaka proizvoda/ Product label	Napomena/ Remark
9.18	V 18	Baterije (slavine) hromirane baterije za hladnu i toplu vodu	/	/	-	/
9.18.1	A	za umivaonik jednoručna stojeća	kom/pcs			
9.18.2	B	za tuš kadu (sa tuš ručicom i tuš crevom) jednoručna sa poniklovanim savitljivim crevom	kom/pcs			
9.18.3	C	za mašinu za veš i sudove, holender slavina DN20/15, s pripadajućom opremom za ugradnju	kom/pcs			
		Oprema u kuhinji				
9.19	V 19	Korito sudopere od "Inox "-a (dvodelno) (izrađeno od plemenitog nerđajućeg čelika) orienacione dimenzije: 780 x 435 x 150 mm	kom/pcs			
9.20	V 20	Električni akumulacioni bojler 5l za ugradnju iznad sudopere, vertikalni grejač 2 kW, napon 230V, kazan izrađen od plastike sa pratećim materijalom za ugradnju	kom/pcs			
9.21	V 21	Baterija za sudoperu jednoručna stojeća hromirana baterija za hladnu i toplu vodu	kom/pcs			

10	E	ELEKTRO MATERIJAL I OPREMA				
		Kablovi i kablovski pribor				
10.1	E 1	Napojni kablovi	/	/	-	/
10.1.1	A	X00-A 4x16 mm2	m			
10.1.2	B	PP00-Y 5x6 mm2	m			
10.1.3	C	PP00-Y 5x10 mm2	m			
10.2	E 2	Instalacioni kablovi	/	/	-	/
10.2.1	A	PP-Y 3x1,5 mm2	m			
10.2.2	B	PP-Y 4x1,5 mm2	m			
10.2.3	C	PP-Y 3x2,5 mm2	m			
10.2.4	D	PP-Y 5x2,5 mm2	m			
10.3	E 3	Instalacione PVC cevi	/	/	-	/
10.3.1	A	fi 16mm2	m			
10.3.2	B	fi 50mm2	m			
		Razvodne table i oprema				

KOD/ CODE		Opis građevinskog materijala	Jed. prod./ UNIT	Proizvodač/ Manufacturer	Oznaka proizvoda/ Product label	Napomena/ Remark
10.4	E 4	<p>10.4 E4 Razvodna tabla Stanska, za ugradnju na zid sa transparentim vratima, sa mestom za 18 modula, DIN šinom, IP40</p> <p>Razvodna tabla sadrži :</p> <p>1. Jednopolni instalacioni prekidač (automatski osigurač) za montažu na DIN šinu nom. napona 230V/400V, 50Hz; karakteristike B; prekidne moći 6kA:</p> <ul style="list-style-type: none"> - nazivne struje 6A -komada 1, - nazivne struje 10A-komada 2 - nazivne struje 16A- komada 9 <p>2. Signalna sijalica za signalizaciju tarife 230V za ugradnju u stansku razvodnu tablu, montažu na DIN šinu- komada 1;</p> <p>3. FID sklopka za ugradnju u stansku razvodnu tablu, montažu na DIN šinu -16A/30mA, 2-polna, 230V, 50Hz-komada 2; -25A/0,5A, 4-polna, 230V/400V, 50Hz-komada 1;</p> <p>3. Instalaciono zvono 230V, 50Hz; za ugradnju u stansku razvodnu tablu, montažu na DIN šinu-komada 1</p>	kom/pcs			
		Instalacioni materijal				
10.5	E 5	Instalaciona kutija za ugradnju u završnu obradu zida	/	/	-	/
10.5.1	A	fi 60 mm	kom/pcs			
10.5.2	B	fi 78 mm	kom/pcs			
10.5.3	C	100x100mm	kom/pcs			
10.6	E 6	Instalaciona priključnica IP20 za ugradnju u završnu obradu zida sa zaštitnim kontaktom	/	/	-	/
10.6.1	A	16A, monofazna, 250 V	kom/pcs			
10.6.2	B	16A, monofazna, dupla, 250 V	kom/pcs			
10.6.3	C	16A, trofazna, 400V	kom/pcs			
10.7	E 7	Instalaciona priključnica IP43 sa poklopcom za ugradnju u završnu obradu zida, sa zaštit. kontaktom, 16A, monofazna, 250 V	kom/pcs			
10.8	E 8	Prekidači IP20 za ugradnju u završnu obradu zida	/	/	-	/
10.8.1	A	običan, 10A	kom/pcs			
10.8.2	B	serijski, 10A	kom/pcs			
10.8.3	C	za zvono	kom/pcs			
10.8.4	D	Instalacioni prekidač "KIP" 16A	kom/pcs			

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10.9	E 9	Indikator za kupatilo sa tri sklopke 16A i signalnim sijalicama	kom/pcs			
		Svetiljke				
10.10	E 10	Svetiljka za montažu na plafon sa inkadescentnom sijalicom 60W, E-27.	/	/	-	/
10.10.1	A	IP 43 za sanitarni čvor				
10.10.2	B	IP 20 za unutrašnje prostorije				
		Instalacija uzemljenja i gromobrana				
10.11	E 11	Pocinkovana traka		/	-	/
10.11.1	A	FeZn 25x4mm	m			
10.11.2	B	FeZn 20x3mm	m			
10.12	E 12	SIP ormarić (PS49) sa sabirnicom za izjednačenje potencijala	kom/pcs			
10.13	E 13	Provodnici za uzemljenje	/	/	-	/
10.13.1	A	PP00-Y 1x16mm2	m			
10.13.2	B	P/F-Y 1x6mm2	m			
10.13.3	C	P/F-Y 1x4mm2	m			
		Instalacija slabe struje				
10.14	E 14	Antenski koaksijalni kabl RG 6	m			
10.15	E 15	Telefonski kabl sa bakarnim provodnicima IY(St)Y 2x2x0.8mm	m			
10.16	E 16	Priklučnice	/	/	-	/
10.16.1	A	Telefonska - RJ11 za montažu u dozni fi 60mm	m			
10.16.2	B	RTV priključnica za montažu u dozni fi 60mm	kom/pcs			