



TENDER DOCUMENTATION

**FOR THE CONSTRUCTION OF A PHOTOVOLTAGE POWER PLANT ON THE ROOF OF
THE BUILDING
"KENTAR IMPEX" IN KUMANOVO, WITH INSTALLED POWER OF 501.6 kW**

Skopje, September 2023

INVITATION TO SUBMIT AN OFFER

Dear,

The investor, Company for production, trade and services KENTAUR-IMPEX DOOEL Skopje , St. Todor Aleksandrov br.1 Gazi Baba, Skopje, e-mail address: kentaur_impex@yahoo.com , contact person Jove Nastevski needs **CONSTRUCTION OF A PHOTOVOLTAGE POWER PLANT ON THE ROOF OF THE BUILDING "KENTAR IMPEX" IN KUMANOVO, WITH INSTALLED POWER OF 501.6 kW.**

For this purpose, a tender procedure for procurement is implemented.

Please submit your offer for the above-mentioned subject of the procurement no later than 01.11.2023 at 12.00h as the deadline for submitting offers, via the following address:Todor Aleksandrov Street No.1 Skopje, North Macedonia in enclosed envelope with notification ,, FOR TENDER – DO NOT OPEN ,,.

With this invitation, we are submitting tender documentation that contains all the information that will help you prepare the offer. The tender documentation consists of the following parts: general information regarding the investor, instructions regarding the legal deadlines and the necessary conditions for participation, the minimum criteria for determining ability and documentation that bidders should submit to prove the fulfillment of the criteria for determining ability, technical specifications, instructions regarding the preparation and submission of the financial offer, detailed and complete information regarding the criteria for selecting the most favorable offer, instructions regarding legal protection in the public procurement procedure, information in connection with mandatory provisions of the public procurement contract and offer form.

The offer should be sent in written signed by the economic operator.

Thank you in advance for your cooperation.

Approved
Manager
Jove Nastevski

TENDER DOCUMENTATION

For a simplified open procedure for the procurement of **CONSTRUCTION OF A PHOTOVOLTAGE POWER PLANT ON THE ROOF OF THE BUILDING "KENTAR IMPEX" IN KUMANOVO, WITH INSTALLED POWER OF 501.6 kW**

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I. GENERAL INFORMATION

1.1 Definitions

1.1.1 Certain terms used in this tender document have the following meanings:

"Public procurement contract" is a contract concluded in writing between one or more economic operators and the contracting authority whose subject is the supply of goods and the provision of services;

"Procedure for public procurement" is a procedure carried out by the contracting authority, the purpose or action of which is the purchase or acquisition of goods and services;

"Economic operator" is any natural or legal person or group of such persons, including all temporary associations, who offer goods and services on the market or in public procurement procedures;

"Bidder" is an economic operator who submitted a bid;

"Procurement holder" is a bidder or a group of bidders who have concluded a public procurement contract;

"Subcontractor" is a legal or physical person who, for the bidder, with whom the contracting authority concluded a contract for public procurement or a framework agreement, supplies goods, provides services or performs works that are directly related to the execution of the contract or framework agreement;

"Tender documentation" is any document produced by the contracting authority or referred to by the contracting authority, which describes or determines the elements of a specific procurement or procedure, including the public procurement notice, the previous information notice or the periodic indicative notice used as a substitute for a public procurement notice, technical specifications, descriptive documentation, proposed terms of the contract, forms to be completed by candidates or tenderers, information on generally applicable regulations and all additional documentation;

"Technical specifications" are:

- in the case of public procurement of goods or services, a specification defining the characteristics of the product or service, such as quality level, environmental and climatic impact, description of all conditions (including accessibility for disabled persons) and assessment of conformity, level of performance, use of the product, safety or dimensions, including the relevant requirements for the product in terms of the name under which it is sold, terminology, symbols, tests and test methods, packaging, marking and labeling, as well as instructions for use, production processes and methods at each stage of the life cycle of the goods or services, as well as conformity assessment procedures;

"Equivalent" means that the offered goods or services have the same or better technical characteristics than those specified in the technical specification of the subject of purchase;

"Acceptable offer" is an offer submitted by the offeror, which meets the conditions for determining the ability, the needs and requirements of the contracting authority specified in the technical specifications and other tender documentation, which is timely, which does not have an unusually low price, and whose final price does not exceed the funds provided or which can be provided by the contracting authority in accordance with this law;

"Inappropriate offer" is an offer that does not meet the needs and requirements of the contracting authority determined in the tender documentation without significant changes;

"Writing" or "in writing" is any expression consisting of words or figures that can be read, reproduced and further communicated, as well as information that is transmitted and stored using electronic means, provided that the security of the content is ensured and the signature can be identified;

"Electronic means" is electronic equipment for processing and storing data (including digital compression), which is transmitted, delivered and received by cable, radio or optical means or by other electromagnetic means;

"Alternative offer" is an offer with which the bidder offers a procurement item that meets the minimum requirements, i.e. standards that the contracting authority provided in the tender documentation, but in a different way, with other technical characteristics or methods, than those determined by the technical specification.

1.2 Contracting authority

1.2.1 The investor, Company for production, trade and services KENTAUR-IMPEX DOOEL Skopje, St. Todor Aleksandrov br.1 Gazi Baba, Skopje, e-mail address: kentaur_impex@yahoo.com , contact person Jove Nastevski

1.3 Subject of the public procurement procedure

1.3.1 The subject of the public procurement procedure is **CONSTRUCTION OF A PHOTOVOLTAGE POWER PLANT ON THE ROOF OF THE BUILDING "KENTAR IMPEX" IN KUMANOVO, WITH INSTALLED POWER OF 501.6 kW**

A detailed description of the subject of procurement is given in the technical specifications.

1.3.2. The subject of the contract is not divisible into parts as defined in the technical specifications.

1.3.3 The contract for public procurement will be for the duration of the performance of no longer than 60 days after decision for start of works is issued.

1.6 Type of public procurement procedure

1.6.1 The public procurement contract will be awarded using a tender procedure.

1.7 Special ways of awarding the public procurement contract

1.7.1 Electronic auction

1.7.1.1 The public procurement contract will be awarded without using an electronic auction.

2. CLARIFICATION, AMENDMENT AND COMPLEMENTATION OF THE TENDER DOCUMENTATION

2.1 Availability of tender documentation

2.1.1 The tender documentation is available to any interested economic operator through the website of the investor <http://www.kentaur.com.mk>.

2.3 Amendments and additions to the tender documentation

2.3.1 The investor may, at his discretion, amend or supplement the tender documentation, whereby in the shortest possible time, but no later than four days before the end of the deadline for submission of offers, he makes available the amendments and additions in the same way as he made the tender documentation available, after which all economic operators who have downloaded it will receive an automatic electronic notification that a change has been published.

2.3.2 In case of amendment of the tender documentation, the investor will extend the deadline for submission of bids in proportion to the complexity of the amendment or supplement to the tender documentation before the deadline for submission of bids.

3. PREPARATION OF THE OFFER

3.1 Right to participate

3.1.1 The right to participate in the procedure has every economic operator who is registered as a natural or legal person for the performance of the activity related to the subject of procurement or belongs to an appropriate professional association in accordance with the regulations of the country where it is registered.

3.1.2 Group offer is not allowed.

3.1.3 The economic operator can only participate in one offer within the same procedure for awarding a public procurement contract. All bids will be rejected if the economic operator:

- participates in more than one independent and/or as a member in a group offer or
- participates as a subcontractor in another independent and/or as a member in a group offer.

3.1.4 The persons who participated in the preparation of the tender documentation may not be bidders in the public procurement procedure.

3.2 Site Visit

3.2.1 A site visit is not foreseen for the purchase in question

3.3 Costs for submitting an offer

3.3.1 The economic operator bears all costs related to the preparation and submission of the offer, and the contracting authority is not responsible for those costs regardless of the conduct and outcome of the public procurement procedure.

3.4 Language of the Offer

3.4.1 The offer, documents related to the offer as well as all correspondence is in English using its latin script with appropriate translation into Macedonian language of it. The Macedonian translation of the offer, documents related to the offer as well as all correspondence shall be valid during the process of evaluation.

3.5 Alternative Offer

3.5.1 The contracting authority does NOT allow the submission of alternative offers.

3.6 Price of the Offer

3.6.1 The price of the offer should include all costs and discounts on the total price of the offer, excluding VAT, which is expressed separately, in Denars.

3.7 Price Adjustment

3.7.1 During the implementation of the public procurement contract, no correction of prices is foreseen, that is, the prices expressed in the offer of the most favorable bidder will be fixed for the entire duration of the public procurement contract.

3.8 Method of delivery

3.8.1 The holder of the procurement is obliged to perform the works/deliver the goods, subject to the public procurement contract in accordance with the technical specification attached to the tender documentation

3.9 Delivery term

3.9.1 The delivery deadline should not be longer than no longer than 60 days after decision for start of works is issued.

3.9.2 The deadlines for work start from the day of delivery of a written request for the design and construction of a photovoltaic plant. The holder of the procurement is obliged to complete the works - subject of the contract for public procurement within a period of no longer than: 60 days from receiving the decision to start work.

3.9.3 Any offer containing a term and method of execution different from those established in this point will be considered unacceptable and as such will be rejected by the public procurement commission.

3.10 Method of payment

3.10.1 The method of payment is as follows

- 90% with temporary situations for completed works
- 10% after commissioning

The payment method is mandatory. Any offer that contains a payment method different from the one established in this point will be considered unacceptable and as such will be rejected by the public procurement commission.

3.11 Period of validity of the offer

3.11.1 The offer should be valid for 90 days.

3.11.2 The investor may, in exceptional cases not caused by his fault, ask the bidders to extend the period of validity of the bids.

3.12 Collateral Funds

3.12.1 Statement of seriousness of offer

3.12.1.1 With the offer, the economic operator submits a statement about the seriousness of the offer.

3.12.1.2 With the statement, the economic operator declares that:

- will not withdraw its offer before the expiration of its validity period,
- will accept the correction of arithmetic errors by the commission,
- sign the contract for public procurement in accordance with the terms of the tender documentation and the submitted offer or

- will provide the guarantee for high-quality and timely performance of the contract, if the contracting authority has foreseen it in the tender documentation.

4. SUBMISSION AND OPENING OF OFFERS

4.1 Submission of bids

4.1.1 The offer is submitted in accordance with the tender documentation, using the attached forms.

4.1.2 The offer is binding for the entire period of validity determined by the contracting authority.

4.1.3 The bidder submits the offer with a price that includes all costs and discounts on the total price of the offer, without VAT, which is stated separately, in the currency determined in the tender documentation.

4.1.4 The price of the offer is expressed for the total object of procurement.

4.1.5 The offer is submitted in written and it should be signed by the responsible person of the economic operator or a person authorized by him..

4.1.6 Offers containing a shorter period of validity than that determined in point 3.11.1 of the tender documentation will be rejected as unacceptable.

4.2. Deadline for submission of offers

4.2.1 The deadline for submission of offers is 01.11.2023 .

4.2.3 After the deadline for submitting offers, they will not be accepted.

4.3. Elements of the offer

4.3.1 The offer should be composed of the following elements:

- Offer form (Attachment 1),

- Statement on the seriousness of the offer (Attachment 2),

- Statement of proof of ability (Annex 3) or documents of proof of ability

- Documents to prove the ability to perform professional activity

- License B for a construction contractor of the second category issued by the Ministry of Transport and Communications of the Republic of Macedonia, i.e. an appropriate document in the country where it is registered if it is a foreign bidder

- License B for design issued by the Ministry of Transport and Communications of the Republic of Macedonia, i.e. an appropriate document in the country where it is registered if it is a foreign bidder

- Documents to prove technical and professional ability

- Documents required as part of the technical offer

4.4 Subcontracting

4.4.1 The bidder may not assign part of the public procurement contract to a subcontractor.

4.5 Opening of bids

4.5.1 The opening of bids will be carried out by the investor's public procurement commission and will not be public.

4.5.2 The Public Procurement Commission will open the bids if only one bid is received.

5. EVALUATION OF OFFERS

5.1 Determination of Ability

5.1.1 Economic operators will be able to participate in the public procurement procedure for which the contracting authority determines through the accompanying documentation:

- that there are no reasons for exclusion from the procedure,

- that the conditions for qualitative selection are met, namely:

- a) ability to perform professional activity;

- b) technical and professional ability.

5.1.2 The economic operator in addition to the offer documents for determining ability.

5.1.3 The accompanying documentation is submitted in written form.

5.2 Reasons for exclusion from the procedure

5.2.1 The contracting authority will exclude the economic operator from the public procurement procedure:

1) if he determines that the economic operator or the person who is a member of the management or supervisory body of that economic operator or who has powers of representation or decision-making or supervision over him, in the last five years has been sentenced to a final court verdict for a committed criminal offense that has elements of the criminal offenses of participation in a criminal association, corruption, evasion of taxes and contributions, terrorism or criminal offenses related to terrorist activities, money laundering and terrorist financing and abuse of child labor and human trafficking, established in the Criminal Code.

2) who has unpaid taxes, contributions or other public duties, unless he has been granted deferred payment of taxes, contributions or other public duties in accordance with special regulations and pays them regularly;

3) who is in bankruptcy or liquidation proceedings;

4) who has been sentenced to a secondary penalty, prohibition to participate in procedures for public invitations, awarding contracts for public procurement and contracts for public private partnership;

5) who has been sentenced to a secondary penalty, a temporary or permanent ban on performing a separate activity;

6) to whom a misdemeanor sanction has been imposed, a ban on the performance of a profession, activity or duty, i.e. a temporary ban on the performance of a separate activity, or

7) who provides false data or does not submit the data required by the contracting authority.

5.2.2 The contracting authority excludes the economic operator from the public procurement procedure if it is on the list of issued negative references by the deadline for submission of bids or applications for participation.

5.2.3 The contracting authority will exclude the economic operator from the public procurement procedure in the cases if:

a) the contracting authority justifiably concluded that the economic operator has reached an agreement with other economic operators whose purpose or consequence is the distortion of competition. It is considered that the conclusion of the contracting authority from this point is justified if the Commission for the Protection of Competition, based on the application of the contracting authority, within 15 days, notifies the contracting authority that it will initiate a misdemeanor procedure;

b) the economic operator has shown significant or persistent shortcomings in the fulfillment of key obligations in previous public procurement contracts or previous concession contracts and public-private partnerships concluded with the contracting authority, which resulted in the unilateral termination of the contract, a claim for damages or the taking of other similar sanctions by the contracting authority;

c) the economic operator illegally influences the decision of the contracting authority or obtains confidential information with which he could gain an illegal advantage in the public procurement procedure.

5.2.4 To prove that there are no conditions for exclusion from the procedure, the economic operator submits the following documents:

- a statement by the economic operator that in the last 5 years the economic operator or the person who is a member of the administrative or supervisory body of that economic operator or who has powers of representation or decision-making or supervision over him, in the last five years has not been given a final court verdict for a committed criminal offense that has elements of the criminal offenses of participation in a criminal association, corruption, evasion of taxes and contributions, terrorism or criminal offenses related to terrorist activities, money laundering and the financing of terrorism and the abuse of child labor and human trafficking, established in the Criminal Code;

- confirmation of paid taxes, contributions and other public charges from a competent authority of the country where the economic operator is registered;

- confirmation that no bankruptcy procedure has been opened by a competent authority or a single document to prove the ability;

- confirmation that no liquidation procedure has been opened by a competent authority or a single document to prove the ability;

- confirmation from the Register of Penalties for Criminal Offenses of Legal Entities that he has not been sentenced to a secondary penalty, prohibition to participate in public call procedures, awarding of public procurement contracts and public-private partnership contracts or a single document to prove the ability;

- confirmation from the Register of punishments for committed criminal acts of legal entities that he has not been sentenced to a secondary punishment, a temporary ban on performing a separate activity or a single document to prove the ability;

- confirmation from the Register of punishments for committed criminal acts of legal entities that he has not been sentenced to a secondary punishment, a permanent prohibition to perform a separate activity or a single document to prove the ability;

- confirmation that no misdemeanor sanction has been imposed on him by a final judgment - ban on performing a profession, activity or duty or a single document to prove the ability and

- confirmation that no misdemeanor sanction has been imposed on him by a final judgment - temporary ban on performing a separate activity or a single document to prove the ability.

5.2.5 The statement from paragraph 1 of subsection 5.2.4 is drawn up by the economic operator himself in written and it does not need to be certified by a competent authority.

5.2.6 The certificates from subsection 5.2.4 are issued by competent authorities in the country where the economic operator is registered. If the country in which the economic operator is registered does not issue these documents or if they do not cover all the above cases, the economic operator can submit a statement certified by a competent authority.

5.2.7 The documents from subsection 5.2.4 must not be older than 6 (six) months counted from the deadline for submission of offers.

5.3 Conditions for qualitative selection

5.3.1 Ability to perform professional activity

5.3.1.1 The right to participate in the procedure has every economic operator who is registered as a natural or legal person for the performance of the activity related to the subject of procurement or belongs to an appropriate professional association in accordance with the regulations of the country where it is registered.

5.3.1.2 The right to participate in the procedure has every economic operator who fulfills the special conditions for carrying out the activity prescribed in accordance with the law, which refer to the subject of procurement

- License B for construction contractor of the second category

- License B for designing.

5.3.1.3 To prove the ability to perform a professional activity, the economic operator should submit:

- Document for registered activity as proof that he is registered as a natural or legal person for performing the activity related to the subject of purchase or proof that he belongs to an appropriate professional association in accordance with the regulations of the country where he is registered.

- License B for a construction contractor of the second category issued by the Ministry of Transport and Communications of the Republic of Macedonia, i.e. an appropriate document in the country where it is registered if it is a foreign bidder

- License B for design issued by the Ministry of Transport and Communications of the Republic of Macedonia, i.e. an appropriate document in the country where it is registered if it is a foreign bidder

5.3.2 Technical and professional ability

5.3.2.1 The contracting authority will determine the necessary technical and professional ability for quality performance of the contract through the following minimum conditions:

- **At least 12 employees, of which: min. 5 engineers, min. 6 electrical technicians/electrical installers, and min. 1 structural fitter/locksmith.**

- **The company must possess A and B licenses for design and construction and have employed engineers who have A and B authorizations in the field of electrical engineering and mechanical engineering.**

- **Statement of technical equipment and capacity of the economic operator:**

- **min. 1 (one) vehicle for delivery of materials, with a load capacity of min. 2,500.00 kg**

- **min. 2 (two) vehicles for delivery of materials, with a load capacity of min. 1,200.00 kg and**

- **min. 1 (one) special purpose vehicle with a 7.5 meter crane.**

- **At least 15 completed works of a similar type in the last three years.**

5.3.2.2 The economic operator proves the fulfillment of the minimum conditions from subsection 5.3.2.1 by submitting:

- **Copy of proof of employment (List from Employment Agency).**
- **The company must have A and B licenses for design and construction and have employed engineers who have A and B authorizations in the field of electrical engineering and mechanical engineering.**

- **Proof of vehicle ownership, copy of traffic licenses with proof that they are validly registered;**

- **Evidence contract for the performance and design of power plants**

5.3.3.3 The proofs from point 5.3.3.2 and that:→ the catalogs are delivered in paper form, by the day and hour specified as the deadline for submitting the offers.

5.3.4 Use of ability by other entities

5.3.4.1 Using capabilities by other entities is not allowed. The operator must meet the conditions.

5.5 Standards for Quality Systems

5.5.1 In order to qualify as capable of performing the public procurement contract in question in terms of quality system standards, the economic operator should meet the following standards

ISO 9001:2015 quality system standards or equivalent
ISO 14001:2015 Environmental System Standard or equivalent -

5.5.2 The economic operator proves the fulfillment of the standards from subsection 5.1.1 by submitting:

ISO 9001:2015 quality system standards or equivalent
ISO 14001:2015 environmental system standard or equivalent

5.6 Criteria for choosing the most favorable offer

5.6.1. The contracting authority will use the most economically advantageous offer as a criterion for selecting the most favorable offer based on:

- The price
- Quality
- Delivery deadline and
- Warranty period

5.6.2 The most favorable offer will be the one that has received the highest rating from the Commission during the evaluation of the offers according to the supplier rating list.

5.7 Evaluation of offers

5.7.1. The evaluation of the offers will be carried out according to the criteria specified in the tender documentation, i.e. according to the list:

Supplier Evaluation List

Supplier:	Product :
Place:	

Code:		
New client <input type="checkbox"/>	Current client <input type="checkbox"/>	

1. Price

No.	Qualification	Rating	Date:
1	Lowest price	30	Evaluated by: _____
2	Good price	20	
3	Satisfactory price	10	
4	Non satisfactory price	0	

2. Technical compliance

No.	Qualification	Rating	Date:
1	Fully compliant with all technical specifications	20	Evaluated by: _____
2	Partially compliant	10	
3	Non-compliant	0	
4			

3. WARRANTY PERIOD OF PRODUCTS/SERVICES

No.	Qualification	Rating	Date:
1	Warranty period equal or longer than the prescribed one	10	Evaluated by: _____
2	Shorter warranty period	5	

4. AVAILABILITY OF SPARE PARTS AND TIME PERIOD OF INTERVENTION/SERVICING

No.	Qualification	Rating	Date:
1	Availability of spare parts and time period for intervention/servicing pursuant or shorter than the prescribed one	10	Evaluated by: _____
2	Availability of spare parts and time period for intervention/servicing longer than the prescribed one	5	

5. DELIVERY DEADLINES

No.	Qualification	Rating	Date:
1	Fully respects the agreed deadlines of delivery	10	Evaluated by: _____
2	Does not meet the agreed deadlines, without interruption of the production	5	
3	Does not meet the agreed deadlines	0	
4			

6. ABILITY TO PERFORM A PROFESSIONAL ACTIVITY (Supplier Qualification)

No.	Qualification	Rating	Date:
1	Relevant expertise and technical capability	10	Evaluated by: _____
2	Partial expertise and technical capability	5	

3	None expertise and technical capability	0	
4			

7. CERTIFICATES AND CERTIFICATE OF QUALITY

No.	Qualification	Rating	Date:
1	Owns	10	
2	Partial	5	Evaluated by:
3	None	0	
4			

NUMBER OF POINTS ACHIEVED:	
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SUPPLIER RANKING				
Possible points	Points achieved	Ranking		Qualifications
		81 - 100	Able recommended	Bargaining / cooperation is allowed
		66 - 80	Able	It is procured when there is no able recommended
		41 - 65	Limited ability	Negotiating only with the approval of the Director
		0 - 40	Non able	No procurement is made
Date:		Prepared by:		Approved by:

5.10 Cancellation of the procedure

5.10. 1. The contracting authority can cancel the procedure for public procurement, for which it makes a decision to cancel the procedure in case of:

- no offer has been submitted or no acceptable offer,
- assessed that the tender documentation contains important omissions or deficiencies,

5.10.2. The contracting authority notifies all participants in the procedure no later than within three days from the day of cancellation, regarding the termination of the obligations of the participants resulting from the submission of offers and the reasons for cancellation of the procedure.

5.10.3. The basis for canceling the tender, i.e. for failure of the tender, cannot be the existence of a single offer that meets the conditions established by the tender

6. CONCLUSION OF THE PUBLIC PROCUREMENT CONTRACT

6.1 Awarding of the public procurement contract

6.1.1 The contracting authority concludes the contract for public procurement with the bidder whose offer is selected as the most favorable based on the technical and financial offer within 30 days from the day of finality of the selection decision, but not later than the period of validity of the offer.

6.2 Notification of the award of the public procurement contract

6.2.1 The investor will inform the bidders about the decisions regarding the selection of the most favorable bid.

6.3 Conclusion of the contract

6.3.1 The contracting parties conclude the contract for public procurement in written form within the validity period of the most favorable offer, but not later than 30 days from the day of finality of the selection decision.

6.3.2 The contract for public procurement is concluded in accordance with the conditions established in the tender documentation and the offer.

6.4. Execution of the contract

6.4.1 The contracting parties execute the public procurement contract in accordance with the conditions established in the tender documentation and the selected most favorable offer.

6.4.2 The contracting authority will control whether the performance of the public procurement contract is in accordance with the terms of the contract.

II. TECHNICAL SPECIFICATIONS

PRELIMINARY CALCULATION FOR A PHOTOVOLTAGE POWER PLANT ON THE ROOF OF A BUILDING

"KENTAR IMPEX" IN KUMANovo, WITH INSTALLED POWER OF 501.6 kW

Number	Description of works	Measure	Quantity	Price per item	Total price
I.1 PHOTOVOLTAGE PANELS AND INVERTERS					
1.1	Monocrystalline photovoltaic panels, with features: Electrical: - Maximum power (Pmax): 570 W - Open Circuit Voltage (Voc): 49.95V - Short circuit current (Isc): 14.37 A - Maximum current (Imp): 13.62 A - Module efficiency $\geq 21.5\%$ Mechanical: - Dimensions: 2333mm×1134mm×30mm - Weight: 28kg±3% kg according to standards: IEC 61215, IEC 61730, UL61703, UL61215 Guarantees: - 12 year mechanical warranty	piece	880		

	features and a 25-year warranty for power reduction no more than 0.5%/year				
1.2	Inverter, equipped with overvoltage and undervoltage protection, overfrequency and underfrequency protection and arresters of overvoltage on DC and AC side, -Maximum DC input voltage: 1100 Vdc, -Maximum current per string: 32 A, -Maximum short circuit current per string: 40A, - Operating voltage range by MPPT tracker: 180 V – 1000 V, -Maximum AC power: 110 kVA, -Nominal AC power: 100 kW, -Maximum output current: 158.8 A -Frequency: 50 Hz -Warranty: 5 years according to standards: CE, IEC62116, IEC61727, CQC, VDE0126, VFR2019, EN50549-1, C10/C11, UNE206007, G99, CEI 0-21/0-16, N4105, NE206006, MEA, PEA, KSC8565	piece	5,00		
1.3	Monitoring device for communication between inverters	piece	1,00		
	Total I.1:				
I.2 POWER CABLES					
2.1	PV solar cable 6mm2, 1.8 kV	M	5.500,00		
2.2	MC4 connectors 1500V "+"	piece	64,00		
2.3	MC4 connectors 1500V "-"	piece	64,00		

2.4	Cable NAYY-O-4x120mm ²	м	30,00		
2.5	Cable H07V-K 1x70mm ²	м	30,00		
2.6	Cable NAYY-O-4x240mm ²	м	40,00		
2.7	Cable NAYY-J-1x185mm ²	м	40,00		
2.8	Cable parts Al/Cu 120/12mm	Piece	20,00		
2.9	Cable parts Al/Cu 240/12mm	Piece	12,00		
2.10	Cable parts Al/Cu 185/12mm	Piece	12,00		
2.11	Cable parts Cu 70/10mm	piece	10,00		
2.12	Cable S/FTP cat6e	м	40,00		
	Вкупно I.2:				
I.3 CABLE SHELVES					
3.1	Galvanized metal perforated PNK shelf 100x60mm complete with cover and all accessories mounting material (consoles, nuts, washers...)	м	30,00		
3.2	Galvanized metal perforated PNK shelf 200x60mm complete with cover and all accessories mounting material (consoles, nuts, washers...)	м	50,00		
3.3	UV stabilized hose ECGFE Φ40mm	м	60,00		
3.4	UV stabilized hose ECGFE Φ32mm	м	60,00		
I.4 LIGHTNING PROTECTION					
3.1	Aluminum rope ø8mm ² for equalizing the potential	м	210,00		

3.2	Hot-dip galvanized multi-terminal for connection aluminum rope with alu profile	piece	160,00	
3.3	Hot-dip galvanized multi-terminal for connection aluminum rope with FeZn tape	Piece	15	
3.4	Hot-dip galvanized multi-terminal for connection aluminum rope with aluminum rope	Piece	10,00	

I.4 DISTRIBUTION BOARDS

4.1	<p>Procurement, delivery and installation of upgraded switch cabinet (AC-PV). The cabinet should be made with inlet and outlet from the bottom side. The entire equipment should be provided for rail tensioning. The switchboard to be with degree of protection IP65. Complete with all auxiliary material (leads, VS clamps...) and with all electrical and mechanical connections; towards the unipolar scheme. Components of the switchboard:</p> <ul style="list-style-type: none"> • 630 Foot Split Assembly with NV fuses 3x630A x 1 pair. • 250A base switch with NV fuses 3x200A x 3 pairs. • Automatic fuse B16A x 2 pairs. • Socket for mounting on DIN rail 16A/230V x 2 p. 	Piece	1,00	
4.2	<p>Procurement, delivery and installation of upgraded switch cabinet (AC-PV). The cabinet should be made with inlet and outlet from the bottom side. The entire equipment should be provided for</p>	piece	1,00	

	<p>rail tensioning. The switchboard to be with degree of protection IP65. Complete with everything auxiliary material (leads, VS terminals...) and co all electrical and mechanical connections; towards the unipolar scheme.</p> <p>Components of the switchboard:</p> <ul style="list-style-type: none"> • 630 Foot Split Assembly with NV fuses 3x400A x 1 pair. • 250A base switch with NV fuses 3x200A x 2 pairs. • Automatic fuse B16A x 1 pair. • Socket for mounting on DIN rail 16A/230V x 1 p. 			
	TOTAL I.4:			
I.5 BUILDING COMPONENTS				
Construction for mounting photovoltaics panels made of aluminum profile:				
5.1	Aluminum profiles with dimensions 5960x90x60 mm (LxWxH)	piece	390,00	
5.2	Fine goods for mounting aluminum profiles	piece	3150,00	
5.3	Couplings for aluminum profiles	piece	420,00	
5.4	Aluminum end brackets, complete with screws and nuts (30mm)	piece	240,00	
5.5	Aluminum middle brackets, complete with screws and nuts set (30mm)	piece	1870,00	
	TOTAL I.5:			
GENERAL RECAPITULATION OF COSTS				
PHOTOVOLTAGE PANELS AND INVERTERS				

	POWER CABLES	
	LIGHTNING PROTECTION	
	DISTRIBUTION BOARDS	
	DISTRIBUTION SHELVES	
	BUILDING COMPONENTS	
		TOTAL:
		VAT:
	TOTAL:	

Standards and certificates that photovoltaic modules must meet:

- * ISO 9001:2015
- * ISO 14001:2015
- * BS OHSAS 18001
- * MKC EN 61215:2010
- * MKC EN IEC 61730-1:2018
- * MKC EN IEC 61730-2:2018
- * CE Certificate
- * SGS TUV SAAR - IEC 61215 and IEC 61730

Warranty of photovoltaic modules:

- 12 years mechanical warranty against damage
- 25 years linear warranty
- Guarantee of the inverter for 5 years.
- Warranty of the photovoltaic plant 5 years.

In addition, certificates and catalogs of the offered inverters and photovoltaic modules should be submitted.

Annex 1. OFFER FORM

[bidder's memorandum]

Based on the announcement published by Company for production, trade and services KENTAUR-IMPEX DOOEL Skopje, for the award of a public procurement contract for the **CONSTRUCTION OF A PHOTOVOLTAGE POWER PLANT ON THE ROOF OF THE BUILDING "KENTAR IMPEX" IN KUMANOVO, WITH INSTALLED POWER OF 501.6 kW**, we submit the following:

OFFER

I.1. GENERAL SECTION

I.1.1. Name of the bidder: _____

I.1.2. contact information

- Address: _____

- Phone: _____

- Fax: _____

E-mail: _____

Contact person: _____

I.1.3. Responsible person: _____

I.1.4. Tax number: _____ EMBS _____

I.1.5. Giro account and depositor of which bank you are: _____

I.1.5. We agree to make this offer for the subject of the public procurement contract in accordance with the prices and delivery terms defined in the tender documentation.

I.1.6. Our offer consists of the following parts:

- Offer form (Attachment 1),
- Statement on the seriousness of the offer (Attachment 2),
- Statement of proof of ability (Annex 3) or documents of proof of ability
- Documents to prove the ability to perform professional activity
- Documents to prove technical and professional ability
- Documents from the technical offer
- Completed excel table with prices

II.1. The total price of our offer, including all costs and discounts, excluding VAT, amounts to:
_____ [in _____ numbers]
(_____) [in letters] denars. The total amount of VAT
is _____.

I.3.3 Our offer is valid for the period specified in the tender documentation. We agree with the payment terms and conditions specified in the tender documentation.

I.3.4 We will deliver the goods within the period of no longer than no longer than 60 days after decision for start of works is issued .

I.3.5. By submitting this offer, we fully accept the conditions stipulated in the tender documentation.

Place and date _____ Responsible person

(signature) *

Annex 2 – Statement of the seriousness of the offer

STATEMENT

The bidder _____ [name of the economic operator], as a participant in the tender procedure for the procurement of _____ which is carried out following an invitation to submit an offer for participation in the tender procedure, confirms with this statement that:

- will not take actions that may cause damage to the contracting authority, nor take actions that will jeopardize the implementation of the tender procedure in question
- the offer has a legally binding force in all its parts until the expiration of the period of its validity
- is aware of the consequences of violating this statement, which will lead to the issuance of a negative reference

In the name and on behalf of the bidder _____

stated,

Responsible person/Authorized person* _____

(signature)

Place and date _____

Annex 3 – Statement of Evidence of Ability

STATEMENT

Under full material and criminal responsibility, I declare that there are no reasons for exclusion from the procedure of _____ [the name of the economic operator], and that it fully meets the required conditions for determining the ability specified in the tender documentation for the procurement of _____.

At the same time, I declare that we have all the necessary documents available to prove the fulfillment of the required conditions, which will be submitted to the contracting authority if our offer is chosen as the most favorable.

Place and date

Responsible person

(signature)