

Amendment #2

to Request for Proposal RFP/BLR/Green Cities/384/2018 for the implementation of works and supply of the equipment for the street lighting modernization in Novogrudok

Request for Proposal RFP/BLR/Green Cities/384/2018 is hereby amended as follows:

1. Paragraph “Technical documentation for equipment as per Clause 15, Section 5a. Terms of Reference” of Section “Certificates, Licenses and Technical Documentation” of the Table “Minimum Eligibility and Qualification Criteria” of Section 4 of the Request for Proposal (RFP) “Evaluation Criteria” is hereby supplemented by subparagraph 7 of the following content:

"7. Documents for the measuring instrument (s) (if the Bidder offers the measurement tool (s) in the set of the street lighting control system):

7.1 A copy of the valid Certificate of the State Standard of the Republic of Belarus on the approval of the type of measuring instruments of the Republic of Belarus (measuring instruments must be included in the Register of Measuring Instruments of the Republic of Belarus);

7.2 A copy of the valid Certificate (declaration) of conformity of the Customs Union;

7.3 If there is no copy of the valid Certificate of the State Standard of the Republic of Belarus on the approval of the type of measuring instruments of the Republic of Belarus when submitting the Proposal, the Bidder shall submit an obligation to provide a copy of the valid Certificate of the State Standard of the Republic of Belarus on the approval of the type of measuring instruments of the Republic of Belarus prior to the transfer of design specifications and estimates to Gosstroyekspertiza;

7.4 If there is no copy of the valid Certificate (declaration) of conformity of the Customs Union when submitting the Proposal, the Bidder shall provide an obligation to provide a copy of the valid Certificate (declaration) of compliance of the Customs Union prior to the transfer of design specifications and estimates to Gosstroyekspertiza.

2. Section “Financial Standing” of the Table “Minimum Eligibility and Qualification Criteria” of Section 4 of the RFP “Evaluation Criteria” is hereby amended to read as follows:

Financial Standing	Minimum average annual turnover of USD 300,000 for the last 3 years. <i>(For JV/Consortium/Association, all Parties cumulatively should meet requirement.</i> <i>In case of performance of certain types of work by subcontractors, the Bidder employing the subcontractors should meet requirement).</i> <i>If the Proposal is submitted from a company that plans to employ subcontractors for individual works under the contract, the company (the Bidder) on whose behalf the Proposal is submitted, and which employs subcontractors, should meet requirement.</i>	Form D: Qualification Form
	Bidder must demonstrate the current soundness of its financial standing and indicate its prospective long-term profitability: current liquidity ratio is not less than 1.0. If liquidity ratio is less than 1.0, UNDP will verify financial stability / strength of the Bidder and has the authority to seek references from concerned parties and banks on the Bidder’s financial standing. UNDP shall have the right to reject any bid submitted by a Bidder proved to be not financial stable as a result of the verification of the Bidder’s financial stability/strength <i>(For JV/Consortium/Association, all Parties cumulatively should meet requirement.</i> <i>In case of performance of certain types of work by subcontractors, the Bidder employing the subcontractors should meet requirement).</i> <i>If the Proposal is submitted from a company that plans to employ subcontractors for individual works under the contract, the company</i>	Form D: Qualification Form

	(the Bidder) on whose behalf the Proposal is submitted, and which employs subcontractors, should meet requirement).	
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3. Subsection 4. "Pre-commissioning of equipment" of paragraph 10 "Scope of works" of Section 5a "Terms of Reference" is hereby amended to read as follows:

4. Pre-commissioning of equipment	
General requirements:	<p>The Contractor shall perform the pre-commissioning of equipment in accordance with the current legislation of the Republic of Belarus.</p> <p>Pre-commissioning of equipment shall be carried out in accordance with the Pre-commissioning Program prepared by the Contractor and agreed by UNDP.</p> <p>Installation and pre-commissioning of the street lighting control cabinet, in the case of installation and pre-commissioning of individual sections of the control system, should be carried out with the uninterrupted operation of the control system sections that have been pre-commissioned.</p> <p>Testing all the functions of the street lighting control cabinets specified in the Technical Specifications for equipment and designed for the existing street lighting inventory (772 LED-luminaires, 653 sodium discharge luminaires of DNaT type, 354 mercury discharge luminaires of DRL type), during the pre-commissioning of equipment shall be carried out selectively with the help of a part of the supplied LED-luminaires.</p> <p>Upon completion of the pre-commissioning work, the Contractor, in the presence of representatives of UNDP and Novogrudok RUE "Housing & Utilities", shall conduct comprehensive tests and trials of operation of the installed equipment.</p> <p>Prior to the commencement of the tests, the Contractor shall provide the test program to UNDP for review and approval.</p>
Due date	<p>In accordance with the weekly work schedule as per contract.</p> <p>Tentatively: within 10 days after supply of equipment</p>

4. Subsection 8. "Warranty service and planned servicing. General requirements" of paragraph 10 "Scope of works" of Section 5a "Terms of Reference" is hereby supplemented by subparagraph 6 of the following content:

"The Contractor shall ensure the completeness of the functioning of the street lighting control system in accordance with the requirements of the Terms of Reference, which will be identified at the stage of pre-commissioning and commissioning of equipment (Paragraphs 4 and 6 of the Terms of Reference above). If, at the time of pre-commissioning and commissioning of the control system using GSM-channels for data transmission, all the functions of the street lighting control system specified in the Terms of Reference are not provided, the Contractor shall at its own expense make a replacement of design specifications and estimates, deliver, perform pre-commissioning and commissioning of the control system that provides data control and transfer via PLC channels to the time agreed with UNDP".

5. Paragraph 11 "Overall work implementation period" of Section 5a "Terms of Reference" is hereby amended to read as follows:

11	Overall work implementation period	<p>Start date: October 2018</p> <p>End date: May 2019</p> <p>The overall period for the completion of all works in accordance with the Terms of Reference should not exceed 220 calendar days.</p>
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6. Paragraph 15 “Documents for equipment to be submitted by Bidders” of Section 5a “Terms of Reference” is hereby supplemented by the following subsection:

“Documents for the measuring instruments”

(if the Bidder offers the measuring instrument (s) in the set of the street lighting control system):

1. A copy of the valid Certificate of the State Standard of the Republic of Belarus on the approval of the type of measuring instruments of the Republic of Belarus (measuring instruments must be included in the Register of Measuring Instruments of the Republic of Belarus);
2. A copy of the valid Certificate (declaration) of conformity of the Customs Union;
3. If there is no copy of the valid Certificate of the State Standard of the Republic of Belarus on the approval of the type of measuring instruments of the Republic of Belarus when submitting the Proposal, the Bidder shall submit an obligation to provide a copy of the valid Certificate of the State Standard of the Republic of Belarus on the approval of the type of measuring instruments of the Republic of Belarus prior to the transfer of design specifications and estimates to Gosstroyekspertiza;
4. If there is no copy of the valid Certificate (declaration) of conformity of the Customs Union when submitting the Proposal, the Bidder shall provide an obligation to provide a copy of the valid Certificate (declaration) of compliance of the Customs Union prior to the transfer of design specifications and estimates to Gosstroyekspertiza.

7. Paragraph 16 of Section 5a “Terms of Reference” is hereby amended to read as follows:

16	Documents for equipment to be submitted by the Contractor after signing the contract	<p><i>Documents for luminaires:</i></p> <p><i>Prior to the submission of DSE to the Gosstroyekspertiza</i></p> <ul style="list-style-type: none"> • A copy of the certificate (declaration) of conformity of the Customs Union issued on the basis of test record sheets from an accredited laboratory (attaching copies of the test record sheets) valid at least till July of 2019 <p><i>Prior to the equipment delivery</i></p> <ul style="list-style-type: none"> • Technical documentation for the delivered products in the Russian language: <ul style="list-style-type: none"> - Technical specification of each proposed model of equipment, confirming all the parameters and data specified in this Terms of Reference, certified by the signature of the Contractor; - Step-by-step installation instructions for the proposed equipment showing the complete installation process of installing the luminaire; - Technical passport for each unit of equipment specifying the warranty period; - Operation and maintenance manual. • A copy of the luminaires manufacturer’s certificate for compliance with ISO 9001 standards for quality management systems; • A copy of the luminaires manufacturer’s certificate for compliance with ISO 14001 standards for environmental management systems (if available); • Photometric files of each proposed luminaire model in formats *.ldt or *.ies, containing the following information: light flux distribution angles in the horizontal and vertical planes, total luminous flux of the luminaire (lm), light temperature (K) and other information. <p><i>Documents for the segment controllers:</i></p> <p><i>Before the DSE is submitted to the Gosstroyekspertiza</i></p> <ul style="list-style-type: none"> • A copy of the certificate (declaration) of conformity of the Customs Union issued on the basis of test record sheets from an accredited laboratory (attaching copies of the test record sheets) valid at least till July of 2019; <p><i>Before the DSE development is completed</i></p> <ul style="list-style-type: none"> • Permits issued by RUE “BelGIE” for the used data communications equipment before the DSE development is completed (in case the bidder proposes solutions that envisage data communication via GSM channels)
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		<p><i>Prior to equipment delivery</i></p> <ul style="list-style-type: none"> • Technical documentation for the delivered products in the Russian language; • Technical specification confirming all the parameters and data specified in this Terms of Reference, certified by the signature of the Contractor; • Step-by-step installation instructions for the proposed equipment showing the complete installation process of installing the controller; • Technical passport for each unit of equipment specifying the warranty period; • Operation and maintenance manual; • A copy of the controller manufacturer's certificate for compliance with ISO 9001 standards for quality management systems; • A copy of the controller manufacturer's certificate for compliance with ISO 14001 standards for environmental management systems (if available). <p>Documents for the measuring instruments: (If the Bidder offers the measuring instrument (s) in the set of the street lighting control system). The measuring instruments must be included in the Register of Measuring Instruments of the Republic of Belarus</p> <p><i>Before the DSE is submitted to the Gosstroyekspertiza</i></p> <ul style="list-style-type: none"> • A copy of the valid Certificate of the State Standard of the Republic of Belarus on the approval of the type of measuring instruments of the Republic of Belarus; • A copy of the certificate (declaration) of conformity of the Customs Union valid at least till July of 2019 <p><i>Prior to equipment delivery</i></p> <ul style="list-style-type: none"> • Technical documentation for the delivered products in the Russian language: <ul style="list-style-type: none"> - Technical passport for each unit of equipment specifying the warranty period; - Operation and maintenance manual; - Primary Verification Certification issued by a laboratory accredited in the Republic of Belarus; - A copy of the valid Certificate of the State Standard of the Republic of Belarus on the approval of the type of measuring instruments of the Republic of Belarus; - Description of type; - Verification procedure; - Documentary evidence of the availability of a service center or a copy of the contract with the manufacturer or representative in the territory of the Republic of Belarus for the maintenance, repair and verification of the proposed measuring instruments; - Documentary evidence of the existence of an accredited laboratory that verifies the proposed measuring instruments in the territory of the Republic of Belarus - A copy of the certificate (declaration) of conformity of the Customs Union valid at least till July of 2019
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8. The technical requirements for luminaires, controllers, software and control cabinets in the Technical Specification for Equipment, Section 5A: Annex 1 to the Terms of Reference are clarified and amended (amended Section 5A with changes in color is attached):

8.1. The following parameters and the corresponding paragraphs and sections in the Technical Specification for the luminaires are amended:

- a) maximum power consumption (the name of Section 1, para 18 of Section 1, the name of Section 2, para 18 of Section 2 are amended, sub-section "Additional requirements for luminaires (max power 50 W and 120 W)" is excluded);
- b) requirements for the material of the housing (para 3 of Section 1, para 3 of Section 2 are amended);
- c) requirements for the degree of protection (para 4 of Section 1, para 4 of Section 2);

- d) requirements for the impact protection rating (para 5 of Section 1, para 5 of Section 2 are amended);
- e) efficacy requirements (para 12 of Section 1, para 12 of Section 2 are amended);
- f) characteristics of the power supply unit (subsection "Technical requirements for the power supply unit of the luminaire" is excluded, Section 1 and Section 2 are supplemented with paragraph 22).

8.2. The following parameters and the corresponding paragraphs and sections in the Technical specification for the street lighting control system are amended:

- a) requirements for the data transmission channels (para 1 of the list of the basic equipment of the street lighting control system of Section 3, the name of Sub-section 3.1, subparagraph 6 of paragraph 10 of Sub-section 3.2);
- b) technical requirements for controllers integrated into the luminaire housing (paras 1, 3, 7, 14 of Sub-section 3.1 are amended, paras 4-6, 8 and 10 of Sub-section 3.1 are excluded);
- c) determination of the number of segment controllers (paragraph 1 of Sub-section 3.2 is amended);
- d) technical requirements for controllers installed in the street lighting control cabinets (paras 4, 9, 11, 16, subparagraph 6 of para 10 of Sub-section 3.2 are amended);
- e) technical requirements for the centralized control software for the street lighting (para 8, subparagraph 1 of para 10 of Sub-section 3.3 are amended);
- f) determination of the number of segment controllers (paragraph 1 of Sub-section 3.4 is amended);
- g) requirements for the street lighting control cabinets (Sub-section 3.4 is supplemented with the sub-sections "Requirements for the lighting control system" and "List of equipment for control cabinets").

9. The returnable bidding forms of Section 6: "Returnable Bidding Forms / Checklist" are clarified and amended (amended Section 6 with changes, highlighted in color, is attached).

The following forms and the corresponding paragraphs and sub-sections of Section 6 are amended:

- a) requirements for the documentation provided by the Bidder (Section "Please attach the following documents" of Form B: Bidder Information Form is supplemented with paragraphs 12.7 and 12.8);
- b) explanation of the completion of Form D (paragraph 1 of Form D: Qualification Form is amended);
- c) requirements for the time period of works (para 1 of Part 1 of the Technical Specification for works and equipment of Form D: Qualification Form is supplemented with the lines "Time period for development and approval of the DSE and obtaining a positive opinion of Gosstroyexpertiza" and "Time period for design supervision", para 2 of Part 1 of the Technical Specification for works and equipment of Form D is supplemented with the line "Time period for delivery of equipment and materials", paras 3-7 of Part 1 of the Technical Specification for works and equipment of Form D are supplemented with the line "Due date");
- d) overall work implementation period (para 9 of Part 1 of the Technical Specification for works and equipment of Form D: Qualification Form is amended);
- e) technical requirements for luminaires, controllers, software and control cabinets (Part 2 of the Technical Specification for works and equipment of Form D: Qualification Form is modified according to the changes in Section 5A: Annex 1 to the Terms of Reference, specified in para 8 above);
- f) the maximum power consumption of the luminaires (Paragraph 4 of Section 2 of Form E: Format of Technical Proposal, paras 1 and 2 of the Table of Section 2 of Form E: Format of Technical Proposal, paras 3-6 of the Tables "Summary Bill of Quantities and materials for the construction works on the facility "Modernization of the street lighting system in the municipality of Novogrudok" of Part 1 of Form G: Financial Proposal Form are amended);
- g) requirements for the efficacy of luminaires (Paragraph 4 of Section 2 of Form E: Format of Technical Proposal is amended).

The following changes need to be made only in the English version of RFP/BLR/Green Cities/384/2018 to remove inconsistencies with the Russian version noticed during comparison of the documents (changes are highlighted):

10. Section “Terms of Warranty service, technical support” of the Table “Minimum Eligibility and Qualification Criteria” of Section 4 of the RFP “Evaluation Criteria” is hereby amended to read as follows:

Terms of Warranty service, technical support	<p>Full compliance of the proposed terms of warranty service (the equipment/works warranty maintenance and technical support) with the requirements of the Terms of reference, namely:</p> <ul style="list-style-type: none"> ▪ Warranty for construction works – at least 5 years from the commissioning date. ▪ Warranty for equipment – at least 5 years from the commissioning date. ▪ Timeframe for the elimination of defects during the warranty period shall be no more than 30 calendar days from the date of receipt of a defect/malfunction notification. ▪ Duration of technical support for equipment and software – at least 5 years from the commissioning date. ▪ Equipment planned servicing - at least 5 years from the commissioning date in accordance with the declared warranty term. 	Form D: Qualification Form
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11. Paragraph 3 of Section “Certificates, Licenses and Technical Documentation” of the Table “Minimum Eligibility and Qualification Criteria” of Section 4 of the Request for Proposal (RFP) “Evaluation Criteria” is hereby amended to read as follows:

“Copy of the luminaires and controllers manufacturer’s certificates for compliance with ISO 14001 standards for environmental management systems **or analogue**, if any”

12. Paragraph 3.1b of the Subsection “Technical Evaluation Criteria” of Section 4. “Evaluation Criteria” is hereby amended to read as follows:

3.1 b	Chief Specialist who develops the section of the design documentation “Automation of electrical equipment”		90
	Availability of qualification certificates (attestation) to perform the relevant types of works as part of the development of design specifications and estimates combined with at least 5 years of relevant working experience	60	
	Work experience over 5 years is an advantage, 5 points for each additional year of experience but not more than 15 points in total	15	
	Experience in designing street lighting systems projects (from 100 luminaires) is an advantage	15	

13. Paragraph 9 “List of works within the facility” of Section 5a “Terms of Reference” is hereby amended to read as follows:

9	List of works within the facility	<ol style="list-style-type: none"> 1. Development of design specifications and estimates (hereinafter referred to as “DSE”), DSE clearance and approval by relevant authorities. Obtaining a positive opinion of the State Construction Expert Evaluation Board (hereinafter referred to as “Gosstroyexpertiza”) on the DSE. Design supervision. 2. Supply of equipment, materials and software for street lighting control. 3. Performance of construction and installation works. 4. Pre-commissioning of equipment. 5. End-user training. 6. Commissioning of the facility and its transfer to UNDP. 7. Transfer of the facility in cooperation with UNDP to the Novogrudok RUE “Housing & Utilities”. 8. Warranty service, technical support and planned servicing.
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14. Subsection 8 of paragraph 10 "Scope of works" of Section 5a "Terms of Reference" is hereby amended to read as follows:

"8. Warranty service, technical support and planned servicing"

15. Paragraph 13 "Requirements for the qualification and experience of the Bidders's and Subcontractor's personnel" of Section 5a "Terms of Reference" is hereby amended to read as follows:

13	Requirements for the qualification and experience of the Bidders 's and Subcontractor's personnel	<p>Key personnel:</p> <ol style="list-style-type: none">1. The chief engineer of the project, certified by the Ministry of Architecture and Construction of the Republic of Belarus who has work experience at least 5 years<ol style="list-style-type: none">1.1 Higher education in the field of energy, automation is an advantage1.2 Work experience over 5 years is an advantage1.3 Experience in designing street lighting systems (from 100 luminaires) is an advantage2. The Chief Specialist, who develops the section of the design documentation "Automation of electrical equipment", which has a qualification certificate to perform the relevant types of works as part of the development of design specifications and estimates and work experience at least 5 years<ol style="list-style-type: none">2.1 Work experience over 5 years is an advantage2.2 Experience in designing street lighting systems projects (from 100 luminaires) is an advantage3. The Work Manager (Foreman), certified by the Ministry of Architecture and Construction of the Republic of Belarus for the performance of construction work, having a higher or secondary special education in the field of energy and relevant working experience for at least five years.<ol style="list-style-type: none">3.1 Work experience over 5 years is an advantage3.2 The experience of implementing projects of street lighting systems (from 100 luminaires) is an advantage
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August 02, 2018