



REQUEST FOR QUOTATION RFQ 055/18

NAME & ADDRESS OF FIRM	DATE: August 8, 2018
	REFERENCE: Service on modeling and supply the energy efficient light equipment for street illumination of the Sevan peninsula, Gegharkunik region, Republic Armenia

Dear Bidder:

We kindly request you to submit your quotation for “Service on modeling and supply the energy efficient light equipment for street illumination of the Sevan peninsula, Gegharkunik region, Republic Armenia” detailed in Annex 1 of this RFQ. When preparing your quotation, please be guided by the form attached hereto as Annex 2.

Quotations may be submitted on or before 16:00 (local time), August 22, 2018 and via ☒e-mail, ☒courier mail to the address below:

United Nations Development Programme
14 Petros Adamyan street, 0010, Yerevan
or
tenders.armenia@undp.org

Quotations submitted by email must be limited to a maximum of 5MB, virus-free and no more than 3 transmissions. They must be free from any form of virus or corrupted contents, or the quotations shall be rejected.

It shall remain your responsibility to ensure that your quotation will reach the address above on or before the deadline. Quotations that are received by UNDP after the deadline indicated above, for whatever reason, shall not be considered for evaluation. If you are submitting your quotation by email, kindly ensure that they are signed and in the .pdf format, and free from any virus or corrupted files.

Please take note of the following requirements and conditions pertaining to the supply of the abovementioned good/s:

Delivery Terms [INCOTERMS 2010]	<input checked="" type="checkbox"/> DAP Yerevan (Armenia)
Customs clearance ¹ , if needed, shall be done by:	<input checked="" type="checkbox"/> by UNDP

¹ Must be linked to INCO Terms chosen.

Exact Address of Delivery Location:	UN House, UNDP Armenia, #14 P.Adamyan, Yerevan, Armenia		
Latest Expected Delivery	<input checked="" type="checkbox"/> 60 days from the issuance of the Purchase Order (PO) / Contract for Goods		
Delivery Schedule	<input checked="" type="checkbox"/> Required		
Mode of Transport	<input checked="" type="checkbox"/> LAND	<input checked="" type="checkbox"/> SEA	<input checked="" type="checkbox"/> AIR
Preferred Currency of Quotation ²	<input checked="" type="checkbox"/> United States Dollars or <input checked="" type="checkbox"/> Local Currency : Armenian drams		
Value Added Tax on Price Quotation ³	<input checked="" type="checkbox"/> Must be exclusive of VAT and other applicable indirect taxes		
After-sales services required	<input checked="" type="checkbox"/> Warranty on Parts for minimum period of 5 years with appropriate certificate.		
Deadline for the Submission of Quotation	Wednesday, August 22, 2018, 16:00 local time		
All documentations, including catalogs, instructions and operating manuals, shall be in this language	<input checked="" type="checkbox"/> English		
Documents to be submitted ⁴	<input checked="" type="checkbox"/> Duly Accomplished Form as provided in Annex 2, and in accordance with the list of requirements in Annex 1; <input checked="" type="checkbox"/> Company's profile; <input checked="" type="checkbox"/> Latest Business Registration Certificate; <input checked="" type="checkbox"/> Manufacturer's Authorization of the Company as a Sales Agent (if Supplier is not the manufacturer); <input checked="" type="checkbox"/> Written Self-Declaration of not being included in the UN Security Council 1267/1989 list, UN Procurement Division List or other UN Ineligibility List; <input checked="" type="checkbox"/> Provide detailed instruction on installation and maintenance of luminaries; <input checked="" type="checkbox"/> Provide description of similar projects of comparable volume and character performed within the last five years. <input checked="" type="checkbox"/> Provide information on photometry in electronic form in IES or LDT format. <input checked="" type="checkbox"/> Provide Lighting designs and calculations (estimates) for the proposed LED street luminaries based on the provided street descriptions and technical requirements. <input checked="" type="checkbox"/> Provide documentation confirming correspondence of the proposed LED street luminaries to the technical requirements set in Chapter IV, Annex 1 of this document. <input checked="" type="checkbox"/> Provide Technical passport of luminaires. <input checked="" type="checkbox"/> Provide quality certificates for the goods. <input checked="" type="checkbox"/> Provide detailed schedule of goods delivery DAP Yerevan (Armenia).		

² Local vendors must comply with any applicable laws regarding doing business in other currencies. Conversion of currency into the UNDP preferred currency, if the offer is quoted differently from what is required, shall be based only on UN Operational Exchange Rate prevailing at the time of UNDP's issuance of Purchase Order.

³ This must be reconciled with the INCO Terms required by the RFQ. Furthermore, VAT exemption status varies from one country to another. Pls. tick whatever is applicable to the UNDP CO/BU requiring the goods.

⁴ First 2 items in this list are mandatory for the supply of imported goods

	<input checked="" type="checkbox"/> Provide description of performance of warranty commitments. Supplier should inform on the workflow how the guarantee will be executed, upon the claim from the Client (UNDP).
Period of Validity of Quotes starting the Submission Date	<input checked="" type="checkbox"/> 60 days In exceptional circumstances, UNDP may request the Vendor to extend the validity of the Quotation beyond what has been initially indicated in this RFQ. The Proposal shall then confirm the extension in writing, without any modification whatsoever on the Quotation.
Partial Quotes	<input checked="" type="checkbox"/> Not permitted
Payment Terms	<input checked="" type="checkbox"/> 100% upon complete delivery and acceptance of goods
Evaluation Criteria	<input checked="" type="checkbox"/> Technical responsiveness/Full compliance to requirements and lowest price ⁵ <input checked="" type="checkbox"/> Luminaries must meet the requirements of the following quality standards (see Annex 1, Chapter IV). <input checked="" type="checkbox"/> Manufacturer of supplied light fixtures must have at least 5 years of experience in production of lighting equipment and lighting accessories for street lighting, confirmed by information on implemented projects and appropriate references from clients. <input checked="" type="checkbox"/> Minimum of 5 years warranty on preservation of announced technical parameters of fixtures and accessories (components). <input checked="" type="checkbox"/> Full acceptance of the PO/Contract General Terms and Conditions
UNDP will award to:	<input checked="" type="checkbox"/> One and only one supplier
Type of Contract to be Signed	<input checked="" type="checkbox"/> Purchase Order / Contract for goods
Conditions for Release of Payment	<input checked="" type="checkbox"/> Written Acceptance of Goods based on full compliance with RFQ requirements.
Annexes to this RFQ ⁶	<input checked="" type="checkbox"/> Specifications of the Goods Required (Annex 1) <input checked="" type="checkbox"/> Form for Submission of Quotation (Annex 2) <input checked="" type="checkbox"/> General Terms and Conditions / Special Conditions (Annex 3). Non-acceptance of the terms of the General Terms and Conditions (GTC) shall be grounds for disqualification from this procurement process.
Contact Person for Inquiries (Written inquiries only)	Procurement Unit Procurement.armenia@undp.org Any delay in UNDP's response shall be not used as a reason for extending the deadline for submission, unless UNDP determines that such an extension is necessary and communicates a new deadline to the Proposers.

Goods offered shall be reviewed based on completeness and compliance of the quotation with the minimum specifications described above and any other annexes providing details of UNDP requirements.

⁵ UNDP reserves the right not to award the contract to the lowest priced offer, if the second lowest price among the responsive offer is found to be significantly more superior, and the price is higher than the lowest priced compliant offer by not more than 10%, and the budget can sufficiently cover the price difference. The term "more superior" as used in this provision shall refer to offers that have exceeded the pre-determined requirements established in the specifications.

⁶ Where the information is available in the web, a URL for the information may simply be provided.

The quotation that complies with all of the specifications, requirements and offers the lowest price, as well as all other evaluation criteria indicated, shall be selected. Any offer that does not meet the requirements shall be rejected.

Any discrepancy between the unit price and the total price (obtained by multiplying the unit price and quantity) shall be re-computed by UNDP. The unit price shall prevail and the total price shall be corrected. If the supplier does not accept the final price based on UNDP's re-computation and correction of errors, its quotation will be rejected.

After UNDP has identified the lowest price offer, UNDP reserves the right to award the contract based only on the prices of the goods in the event that the transportation cost (freight and insurance) is found to be higher than UNDP's own estimated cost if sourced from its own freight forwarder and insurance provider.

At any time during the validity of the quotation, no price variation due to escalation, inflation, fluctuation in exchange rates, or any other market factors shall be accepted by UNDP after it has received the quotation. At the time of award of Contract or Purchase Order, UNDP reserves the right to vary (increase or decrease) the quantity of services and/or goods, by up to a maximum twenty five per cent (25%) of the total offer, without any change in the unit price or other terms and conditions.

Any Purchase Order that will be issued as a result of this RFQ shall be subject to the General Terms and Conditions attached hereto. The mere act of submission of a quotation implies that the vendor accepts without question the General Terms and Conditions of UNDP herein attached as Annex 3.

UNDP is not bound to accept any quotation, nor award a contract/Purchase Order, nor be responsible for any costs associated with a Supplier's preparation and submission of a quotation, regardless of the outcome or the manner of conducting the selection process.

Please be advised that UNDP's vendor protest procedure is intended to afford an opportunity to appeal for persons or firms not awarded a purchase order or contract in a competitive procurement process. In the event that you believe you have not been fairly treated, you can find detailed information about vendor protest procedures in the following link:

<http://www.undp.org/content/undp/en/home/operations/procurement/protestandsanctions/>

UNDP encourages every prospective Vendor to avoid and prevent conflicts of interest, by disclosing to UNDP if you, or any of your affiliates or personnel, were involved in the preparation of the requirements, design, specifications, cost estimates, and other information used in this RFQ.

UNDP implements a zero tolerance on fraud and other proscribed practices, and is committed to identifying and addressing all such acts and practices against UNDP, as well as third parties involved in UNDP activities. UNDP expects its suppliers to adhere to the UN Supplier Code of Conduct found in this link : http://www.un.org/depts/ptd/pdf/conduct_english.pdf

Thank you and we look forward to receiving your quotation.

Sincerely yours,

Procurement Unit

TECHNICAL SPECIFICATION

Service on illumination modelling and LED street luminaires supply

I. Identifying Information

Task Title:	Service on modeling and supply the energy efficient light equipment for street illumination of the Sevan peninsula, Gegharkunik region, Republic Armenia
Project Title:	“Green Urban Lighting” UNDP-GEF/00074869
Location:	Yerevan, Republic of Armenia

II. Background

Wide-spread application of outdated and inefficient lighting technologies in the outdoor municipal lighting sector dominated mainly by low-quality high-pressure sodium and mercury-vapor street lamps and fixtures, leads to growth of operation and maintenance (replacement) costs of municipalities as well as increase of energy consumption and associated greenhouse gas emissions. This makes lighting the second largest source of municipal GHG emissions in Armenia after heating.

The overarching goal of the project is to save energy and to reduce emissions of greenhouse gases by increasing energy efficiency of municipal lighting in the cities of Armenia via implementation of municipal investment programs and national policies. To realize this objective, the proposed project will carry out a number of activities that will deliver specific outputs.

One of the major components of the Project envisages design and implementation of demonstration projects on energy-efficient public lighting in Yerevan and other selected urban areas aimed to demonstrate energy and cost saving benefits as well as reduction of greenhouse gases due to introduction of modern efficient lighting technologies. Along with the mentioned outcomes, pilot projects are expected to raise awareness of municipal decision-makers and general public on energy efficient lighting and contributes to promotion and replication of similar projects in the future.

Within the scope of the Project energy efficient upgrade of the existing inefficient lighting system of the streets will be realized in cooperation with «Sevan National Park» SNCO to demonstrate energy efficiency and environmental benefits of new lighting technologies.

III. Scope of Supply Services

Objective of the Task

The main objective of the task is to supply LED street luminaires. The supplied luminaries should provide illumination level required by the norms and must comply with technical requirements as described in Chapter IV below.

Activities per the Task

Within the scope of services, supplier must implement the following activities and supply 65 LED luminaires:

1. Propose LED street luminaires for illumination of the demonstration street and pedestrian area (luminaires type1 and type2, see the Sketch 1);
2. Provide lighting design and calculation/estimation for the proposed LED street luminaries (calculation should be done on the base of maintenance factor **equal or equivalent 0.8**) in

condition 30m of distance between poles and on the basis of the technical requirements and street description (Sketch N1).

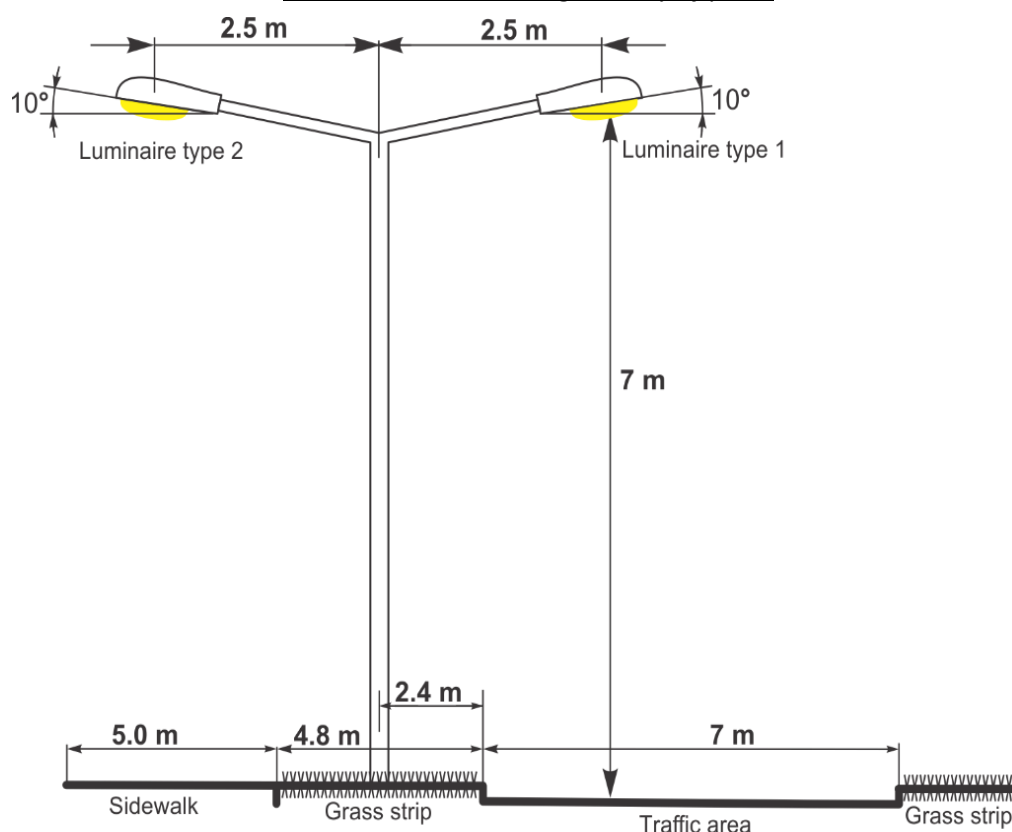
The calculations for the proposed luminaries must ensure conformity of calculated lighting level to the requirements according EN13201:2015 for roads classes M5 with CIE R3 class asphalt surface and for roads classes C5 or have to comply with below provided parameters:

Required parameters for the street	Value
Average brightness of road coating L_{av} , cd/m ² , at least	0.5
General uniformity of brightness distribution of road coating L_{min}/L_{av} , at least	0.35
Longitudinal uniformity of brightness distribution of road coating L_{min}/L_{max} , at least	0.40
Average illuminance of road coating E_{av} , lux, at least	7.5
Uniformity of illuminance distribution of road coating E_{min}/E_{av} , not less	0.4

and for pedestrian – **P3** lighting class or:

Required parameters for the pedestrian	Value
Average illuminance of coating E_{av} , lux	≥7.5 and ≤ 11.25
Minimum illuminance of coating E_{min} , lux, not less	1.5

Sketch 1. Location and geometry of poles



3. Provide all respective certificates in accordance with the international requirements for the proposed LED street luminaries;
4. Provide detailed instruction on installation and maintenance of luminaries.

IV. Specific Requirements to Equipment

1. Compliance with required parameters (see table below) should be confirmed by technical passport of luminaires and are mandatory.

Required parameters	Rated/Nominal Values
Rated Input Voltage	from 180V to 250V
Rated Input Frequency	50 ± 5 Hz
Ambient Temperature	from - 30 to + 40 °C
Life time, not less	30,000hrs @ Ta=25°C (L80, B10)
Power factor	≥0,90
Surge Protection at least	8KV (Line-Neutral)
Correlated color temperature	4000 ± 250K
Color rendering index (CRI)	≥70
Ingress Protection (IP) for whole luminary	IP65 or higher
Impact Protection (IK)	IK07 or higher
Optical block protection	Tempered protective glass
Body material	Die cast aluminum
Vertical adjustment of luminaires	Adjustable
Diameter of luminaires mounting (mm)	50-52
Warranty Period	5 years

2. Luminaires shall provide at least 100 lm/W light output ratio.
3. Supplier should ensure spare parts to remain available for the stated life of the luminaires.
4. Luminaires must meet the requirements of the following quality standards confirmed by the declaration of conformity:
 - EN 60598-1 - Luminaires - General requirements and tests
 - EN 60598-2-3 - Luminaires for road and street lighting
 - EN 55015 - Limits and methods of measurement of radio disturbance characteristics of electrical lighting and similar equipment
 - EN 61000-3-X - Limits for harmonic current emissions
 - EN 61000-4-X - Electromagnetic compatibility (EMC)
 - EN 61547 - Equipment for general lighting purpose, immunity requirements
 - EN 62031 - LED modules for general lighting – Safety specifications
 - EN 62471 - Photobiological safety of lamps and lamp systems
 - EN 60529 - Degrees of protection provided by enclosures (IP Code)

Other Requirements:

1. Optical parts of the luminaires should be made from thermally and shockproof materials, steady against ultra-violet radiation and providing operational durability.
2. Luminaires must have clear marks with information on model and its technical characteristics (as additional can be provided information on the model and country of origin of LEDs and driver).
3. Instructions and schemes for making connections shall be provided.
4. Luminaires must have an aesthetic appearance and modern design.

Luminaires should be convenient in service and provide modular assembly for components that are expected to be replaced in the field by tool-less operation.

FORM FOR SUBMITTING SUPPLIER'S QUOTATION⁷

(This Form must be submitted only using the Supplier's Official Letterhead/Stationery⁸)

We, the undersigned, hereby accept in full the UNDP General Terms and Conditions, and hereby offer to supply the items listed below in conformity with the specification and requirements of UNDP as per RFQ Reference No. **RFQ 055/18**:

TABLE 1 : Offer to Supply Goods Compliant with Technical Specifications and Requirements

Item No.	Description/Specification of Goods	Quantity	Latest Delivery Date	Unit Price, currency	Total Price per Item, currency
1	Luminaires type 1 (sketch 1.) as of Annex 1	39	60 days		
2	Luminaires type 2 (sketch 1.) as of Annex 1	26	60 days		
	Total:	65			
	Total Prices of Goods⁹				
	Add : Cost of Transportation				
	Add : Cost of Insurance				
	Add : Other Charges (pls. specify)				
	Total Final and All-Inclusive Price Quotation				

⁷ This serves as a guide to the Supplier in preparing the quotation and price schedule.

⁸ Official Letterhead/Stationery must indicate contact details – addresses, email, phone and fax numbers – for verification purposes

⁹ Pricing of goods should be consistent with the INCO Terms indicated in the RFQ

Additional Requirements

No	Description	Availability (Yes/No)
1	Luminaries shall correspond to the requirement set in the Chapter IV, Annex 1	
2	Full acceptance of the PO/Contract General Terms and Conditions	
3	Manufacturer/suppliers of supplied light fixtures must have at least 5 years of experience in production/supply of lighting equipment and lighting accessories for street lighting, confirmed by information on implemented projects and appropriate references from clients (min. 3 references).	
4	Minimum of 5-year guarantee on preservation of announced technical parameters of fixtures and accessories (components). Supplier should inform on the workflow how the guarantee will be executed, upon the claim from the Client (UNDP).	
5	Company's profile; Latest Business Registration Certificate	
6	Manufacturer's Authorization of the Company as a Sales Agent (if Supplier is not the manufacturer);	
7	Written Self-Declaration of not being included in the UN Security Council 1267/1989 list, UN Procurement Division List or other UN Ineligibility List;	
8	Delivery time – 60 days	

All other information that we have not provided automatically implies our full compliance with the requirements, terms and conditions of the RFQ.

[Name and Signature of the Supplier's Authorized Person]

[Designation]

[Date]

General Terms and Conditions

(attached separately)