



REQUEST FOR QUOTATION RFQ 140/19

NAME & ADDRESS OF FIRM	DATE: December 24, 2018
	REFERENCE: Supply services on determination and providing luminaires for accent illumination of pedestrian crossings of Yerevan city

Dear Bidder:

We kindly request you to submit your quotation for “Supply services on determination and providing luminaires for accent illumination of pedestrian crossings of Yerevan city” 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), January 20, 2020 and via ☒ *e-mail* to the address below:

tenders.armenia@undp.org

Quotations submitted by email must be limited to a maximum of 10 MB, virus-free and no more than 5 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		
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

¹ Must be linked to INCO Terms chosen.

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	January 20, 2020, 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 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

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

Payment Terms	<input checked="" type="checkbox"/> 100% upon complete delivery and acceptance of goods
Liquidated Damages	<input checked="" type="checkbox"/> Will be imposed under the following conditions: Percentage of contract price per day of delay: 0.25% Max. no. of days of delay: 6 weeks Next course of action: contract termination
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.

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

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.

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/business/protest-and-sanctions.html>

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

SCOPE of SUPPLY

Procurement of LED Street Luminaries

I. Identifying Information

Task Title: Supply services on determination and providing luminaires for accent illumination of pedestrian crossings of Yerevan city.

Project Title: “Supporting Communities of Armenia to Adopt and Implement Climate Smart Solutions” UNDP/00118602-00115356

Location: Yerevan, Republic of Armenia

II. Background

In the course of implementation of UNDP-GEF “Green Urban Lighting” project, good cooperation was established with the Yerevan Municipality aimed at the implementation of energy efficient refurbishment of the city illumination system.

Starting from 2019 under framework agreement between UNDP CO and Yerevan Municipality started the “Supporting Communities of Armenia to Adopt and Implement Climate Smart Solutions” UNDP/00118602-00115356 project predominantly financed by municipality and technical assistance component provided by UNDP.

Implementation of special energy efficient illumination for pedestrian crossings not regulated by traffic lights, is one of the ways to increase the safety of pedestrians and reduced causality conditions for accidents on crossings.

III. Scope of Supply Services

Objective of the Task

The main objective is to increase the safety of pedestrians and reducing and reduced causality conditions for accidents on crossings through the determination and providing illumination accenting pedestrian crossings.

The supplied services and luminaries must comply with technical requirements to provide the required illumination level for the conditions described below.

Activities per the Task

As part of the services provided, the supplier should implement the following activities and supply 186 different LED luminaires for listed below pedestrian crossings of right-hand traffic streets with various widths and traffic conditions.

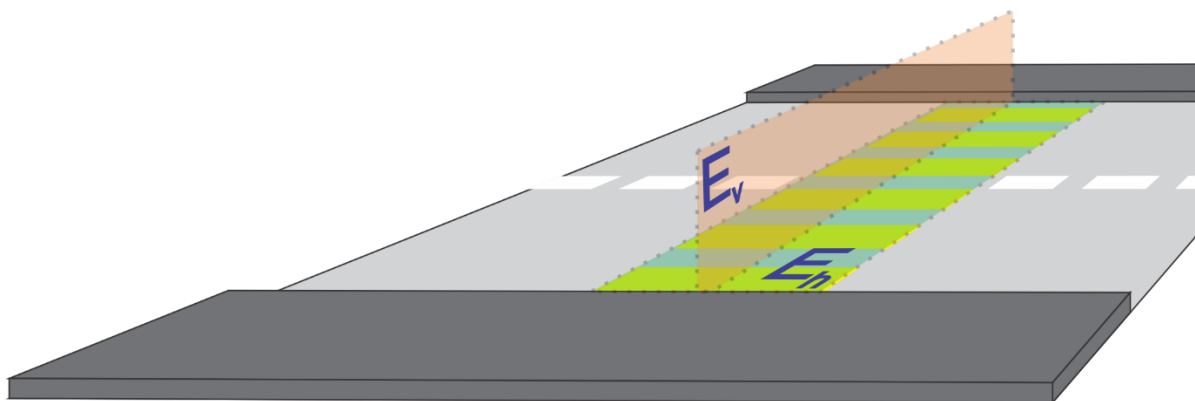
Pedestrian crossing	Traffic condition, vehicle traffic	Width of the road, m	Quantity of pedestrian crossings	Estimated luminaires quantity
1	two-way	32	1	2
2	two-way	28	3	6
3	two-way	27	1	2
4	two-way	26	1	2
5	two-way	25	2	4
6	two-way	24	2	4
7	two-way	22	1	2
8	two-way	21	1	2
9	two-way	20	2	4
10	two-way	19	2	4
11	two-way	18	5	10
12	two-way	17	6	12

13	two-way	16	18	36
14	two-way	15	3	6
15	two-way	14	5	10
16	two-way	13	2	4
17	two-way	12	14	28
18	two-way	11	3	6
19	two-way	10	4	8
20	two-way	9	4	8
21	two-way	8	1	2
22	two-way	6	3	6
23	two-way	5	1	2
24*	one-way	19	1	1
				1
25*	one-way	18	1	1
				1
26*	one-way	16	1	1
				1
27	one-way	14	1	1
28	one-way	12	2	2
29	one-way	11	1	1
30	one-way	10	3	3
31	one-way	9	2	2
32	one-way	6	1	1

*) estimation show that this pedestrian crossing requires 2 luminaires one with left and other with right side optics

1. Provide lighting calculation for all mentioned 32 pedestrian crossings. The calculation made and provided by bidder, should describe models of the proposed luminaires, appropriate for each pedestrian crossing and ensure:

- **E_h 60 lux** illuminance with **0.3** illuminance uniformity ($E_{\text{minimum}}/E_{\text{average}}$) on pedestrian crossing surface and **with 4 meters wide** and
- **E_v 40 lux** illuminance with **0.2** illuminance uniformity on the surface one meter high, perpendicular to the surface of the pedestrian crossing and located in the center of it (see picture 1 below).



Picture 1

The calculation should be done on the base of the maintenance factor equal to, or equivalent to **0.8**. **For conditions with two-way vehicle traffic calculation should be done for two one-way pedestrian crossings with half-length.**

2. The proposed LED street luminaries must have their respective certificates in accordance with the international requirements.

3. Provide detailed instruction on installation and maintenance of luminaries.

According to preliminary estimation **poles of luminaires hanging should be located in distance of 1 meter before pedestrian crossing and 0.5 meters from the traffic zone border.**

Poles supply and luminaires installation are not in the responsibilities of the supplier.

The supplier responsibility is to the base of lighting calculation on the exact location (height and overhang) and hanging angles of luminaires related to traffic zone and pedestrian crossing.

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	50,000hrs @ Ta=25°C (L80, B10)
Power factor	≥0,90
Surge Protection at least	8KV (Line-Neutral)
Correlated color temperature	5700 ± 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 luminaries mounting (mm)	50-60
Warranty Period	5 years

2. Supplier should ensure spare parts to remain available for the stated life of the luminaries.

3. Luminaries 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 60529 - Degrees of protection provided by enclosures (IP Code)*

Other Requirements:

1. Optical parts of the luminaries should be made from thermally and shockproof materials, steady against ultra-violet radiation and providing operational durability.
2. Luminaries 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. Luminaries should be convenient in service and provide modular assembly for components.
5. Luminaries must have an aesthetic appearance and modern design.

V. The Key Expected Results

The result of the task shall be ***supply of LED street luminaries as per technical requirement.***

VI. Professional Requirements

1. 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.
2. Supplier should provide minimum of 5 years 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).

VII. Format of the Package to Submit

Applicant organization/company must include the following technical part in the package to submit.

- Description of similar projects of comparable volume and character performed within the last five years using the same manufacturer fixtures, with relevant references from clients.
- Lighting designs and calculations (estimates) for the proposed LED street luminaries based on the provided street descriptions and technical requirements.
- Information on photometry in electronic form in IES or LDT format.
- Technical passport of luminaires.
- Documentation confirming correspondence of the proposed LED street luminaries to the technical requirements set in Chapter IV of this document.
- Quality certificates for the goods.
- Description of performance of warranty commitments.

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 140/19**:

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

Pedestrian crossing	Model of luminaire	Luminaires quantity	Latest Delivery Date	Unit Price, currency	Total Price per Item, currency
1		2			
2		6			
3		2			
4		2			
5		4			
6		4			
7		2			
8		2			
9		4			
10		4			
11		10			
12		12			
13		36			
14		6			
15		10			
16		4			
17		28			
18		6			
19		8			
20		8			
21		2			
22		6			
23		2			
24		1			
		1			
25		1			
		1			
26		1			
		1			
27		1			

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

28		2			
29		1			
30		3			
31		2			
32		1			
		Total Prices of Goods			
		Add : Cost of Transportation			
		Add : Cost of Insurance			
		Add : Other Charges (pls. specify)			
		Total Final and All-Inclusive Price Quotation			

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)