



## REQUEST FOR PROPOSAL (RFP 025/19)

NAME & ADDRESS OF FIRM	DATE: April 22, 2019
	REFERENCE: Providing professional services on developing design package for seismic upgrades, energy efficiency improvements and reconstruction of 3 kindergartens in administrative districts of Yerevan

Dear Sir / Madam:

We kindly request you to submit your Proposal for the Providing professional services on developing design package for seismic upgrades, energy efficiency improvements and reconstruction of 3 kindergartens in administrative districts of Yerevan (the detailed TOR is attached separately as Annex 1a).

Please be guided by the form attached hereto as Annex 2, in preparing your Proposal.

Proposals may be submitted on or before **Monday, 6 May 2019, 4:00 pm local Yerevan time (GMT +4)** via email, courier mail below (sealed in envelope):

**United Nations Development Programme / UNDP**  
**14 Petros Adamyan St., Yerevan 0010, Republic of Armenia**

Or submit via e-mail to the following e-mail address: **tenders.armenia@undp.org**

Please note that proposals received through any other e-mail address will not be considered. Your Proposal must be expressed in the English, and valid for a minimum period of 90 days calendar days.

In the course of preparing your Proposal, it shall remain your responsibility to ensure that it reaches the address above on or before the deadline. Proposals that are received by UNDP after the deadline indicated above, for whatever reason, shall not be considered for evaluation. If you are submitting your Proposal by email, kindly ensure that they are signed and in the .pdf format, and free from any virus or corrupted files.

Services proposed shall be reviewed and evaluated based on completeness and compliance of the Proposal and responsiveness with the requirements of the RFP and all other annexes providing details of UNDP requirements.

The Proposal that complies with all of the requirements, meets all the evaluation criteria and offers the best value for money shall be selected and awarded the contract. Any offer that does not meet the requirements shall be rejected.

Any discrepancy between the unit price and the total price shall be re-computed by UNDP, and the unit price shall prevail and the total price shall be corrected. If the Service Provider does not accept the final price based on UNDP's re-computation and correction of errors, its Proposal will be rejected.

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 Proposal. 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 Contract or Purchase Order that will be issued as a result of this RFP shall be subject to the General Terms and Conditions attached hereto. The mere act of submission of a Proposal implies that the Service Provider accepts without question the General Terms and Conditions of UNDP, herein attached as Annex 3.

Please be advised that UNDP is not bound to accept any Proposal, nor award a contract or Purchase Order, nor be responsible for any costs associated with a Service Providers preparation and submission of a Proposal, regardless of the outcome or the manner of conducting the selection process.

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 Service Provider to prevent and avoid 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, cost estimates, and other information used in this RFP.

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

Thank you and we look forward to receiving your Proposal.

Sincerely yours,

*Procurement Unit*  
*UNDP Armenia*  
3/28/2019

## Description of Requirements

Context of the Requirement	The UNDP-GCF “De-Risking and Scaling-up Investments in Energy Efficient Building Retrofits” Project supports Yerevan Energy Efficiency (YEE) Project” (“The Programme”) implemented by Municipality of Yerevan (MoY) aiming at sustainable energy efficiency improvements in the city.
Implementing Partner of UNDP	Municipality of Yerevan
Brief Description of the Required Services <sup>1</sup>	Providing professional services on developing design package for seismic upgrades, energy efficiency improvements and reconstruction of 3 kindergartens in administrative districts of Yerevan
List and Description of Expected Outputs to be Delivered	<p>In the frames of providing professional services, the contractor must perform the following activities:</p> <ol style="list-style-type: none"> <li>1. Preform <b><u>detailed measurements</u></b> and design accordingly based on factual dimensions for each building;</li> <li>2. Develop design documents for seismic upgrades, according to the seismic survey results;</li> <li>3. Develop design documents for EE improvement, considering the energy audit results;</li> <li>4. Develop design documents for buildings’ reconstruction;</li> <li>5. Develop design documents of solar systems’ (PV and water heater) installations, based on the energy audit results;</li> <li>6. All structural components and building elements, as well as EE improvement measures are indicated in seismic survey and energy audit reports respectively. The reports/summaries will be shared with the selected contractor(s).</li> <li>7. Conduct “Author Supervision”, in accordance with RA Urban Development Minister’s N 143 resolution (28.09.1998) during the construction phase.</li> </ol>
Person to Supervise the Work/Performance of the Service Provider	<i>Project Manager, De-Risking and Scaling-up Investment in Energy Efficient Building Retrofits UNDP-GCF</i>
Frequency of Reporting	<i>As per TOR (Annex 1a) Timeline</i>
Progress Reporting Requirements	<i>As per TOR (Annex 1a) Timeline</i>
Location of work	<input checked="" type="checkbox"/> Exact Address as provided below <input type="checkbox"/> At Contractor’s Location
Expected duration of work	Within 5 months after contract signing by both parties.

<sup>1</sup> A detailed TOR may be attached if the information listed in this Annex is not sufficient to fully describe the nature of the work and other details of the requirements.

Target start date	25 May 2019
Latest completion date	25 October 2019
Travels Expected	N/A
Special Security Requirements	<input checked="" type="checkbox"/> Others Not Required
Facilities to be Provided by UNDP (i.e., must be excluded from Price Proposal)	<input type="checkbox"/> Office space and facilities <input type="checkbox"/> Land Transportation <input type="checkbox"/> Others <input checked="" type="checkbox"/> N/A
Implementation Schedule indicating breakdown and timing of activities/sub-activities	<input checked="" type="checkbox"/> Required
Names and curriculum vitae of individuals who will be involved in completing the services	<input checked="" type="checkbox"/> Required <input type="checkbox"/> Not Required
Currency of Proposal	<input checked="" type="checkbox"/> United States Dollars (USD) <input type="checkbox"/> Euro <input checked="" type="checkbox"/> Local Currency (AMD)
Value Added Tax on Price Proposal <sup>2</sup>	<input type="checkbox"/> must be inclusive of VAT and other applicable indirect taxes <input checked="" type="checkbox"/> must be exclusive of VAT and other applicable indirect taxes
Validity Period of Proposals (Counting for the last day of submission of quotes)	<input type="checkbox"/> 60 days <input checked="" type="checkbox"/> 90 days <input type="checkbox"/> 120 days In exceptional circumstances, UNDP may request the Proposer to extend the validity of the Proposal beyond what has been initially indicated in this RFP. The Proposal shall then confirm the extension in writing, without any modification whatsoever on the Proposal.
Partial Quotes	<input checked="" type="checkbox"/> Not Permitted

<sup>2</sup> VAT exemption status varies from one country to another. Pls. check whatever is applicable to the UNDP CO/BU requiring the service.

Payment Terms <sup>3</sup>	<ul style="list-style-type: none"><li>Design works:</li></ul>			
	Outputs	Percentage	Timing	Condition for Payment Release
	1) Building's existing dimensional drawings with all the specifications, 2) Structural drawings with all the specifications, 3) 80% of the architectural drawings with related specifications.	40%	Not later than 2.5 months from signing the contract	Within thirty (30) days from the date of meeting the following conditions: a) UNDP's written acceptance (i.e., not mere receipt) of the quality of the outputs; and b) Receipt of invoice from the Service Provider.
	Upon submission of the requested package in full, within the deadline noted in the timeline, including addressing of the received comments from the client and gaining approval from the independent expertise body.	60%	5 months	
	<ul style="list-style-type: none"><li>Author Supervision: after fully completing the construction works (and author supervision respectively) the payment shall be made for the author supervision based on the Acceptance Act.</li></ul>			
Person(s) to review/inspect/ approve outputs/comple ted services and authorize the disbursement of payment	Project Manager, De-Risking and Scaling-up Investment in Energy Efficient Building Retrofits UNDP-GCF			
Type of Contract to be Signed	<input checked="" type="checkbox"/> Contract for Services			
Criteria for Contract Award	<input type="checkbox"/> Lowest Price Quote among technically responsive offers <input checked="" type="checkbox"/> Highest Combined Score (based on the 70% technical offer and 30% price weight distribution) <input checked="" type="checkbox"/> Full acceptance of the UNDP Contract General Terms and Conditions (GTC). This is a mandatory criteria and cannot be deleted regardless of the nature of services required. Non acceptance of the GTC may be grounds for the rejection of the Proposal.			

<sup>3</sup> UNDP preference is not to pay any amount in advance upon signing of contract. If the Service Provider strictly requires payment in advance, it will be limited only up to 20% of the total price quoted. For any higher percentage, or any amount advanced exceeding \$30,000, UNDP shall require the Service Provider to submit a bank guarantee or bank cheque payable to UNDP, in the same amount as the payment advanced by UNDP to the Service Provider.

Criteria for the Assessment of Proposal	<b>Technical Proposal (70%)</b>		
	<b>Section 1. Bidder's qualification, capacity and experience</b>		
	1.1	Reputation of Organization and Staff Credibility / Reliability / Industry Standing	50
	1.2	General Organizational Capability which is likely to affect implementation: management structure, financial stability and project financing capacity, project management controls, extent to which any work would be subcontracted	70
	1.3	Experience in designing of seismic reinforcement of buildings	70
	1.4	Contracts (min 3) of similar value, nature and complexity implemented over the last 5 years.	60
	1.5	Experience in designing of energy efficient buildings	50
	<b>Total Section 1</b>		<b>300</b>
	<b>Section 2. Proposed Methodology, Approach and Implementation Plan</b>		
	2.1	Understanding of the requirement: Have the important aspects of the task been addressed in sufficient detail? Are the different components of the project adequately weighted relative to one another?	100
	2.2	Description of the Offeror's approach and methodology for meeting or exceeding the requirements of the Terms of Reference	50
	2.3	Assessment of the implementation plan proposed including whether the activities are properly sequenced and if these are logical and realistic	50
	<b>Total Section 2</b>		<b>200</b>
	<b>Section 3. Management Structure and Key Personnel</b>		
			<b>Points obtainable</b>
	3.1	Qualifications of key personnel proposed	
	3.1 a	<b>Senior Architect (please specify if acts as Team leader)</b>	80
		- General Experience	20
		- Specific Experience relevant to the assignment	40
		- Regional/International experience	15
		- Language Qualifications	5
	3.1 b	<b>Senior Structural Engineer (please specify if acts as Team leader)</b>	80
		- General Experience	20
		- Specific Experience relevant to the assignment	40
		- Regional/International experience	15
		- Language Qualifications	5

	3.1 c	<b>Architect</b>		50
		- General Experience	20	
		- Specific Experience relevant to the assignment	30	
	3.1 d	<b>Structural Engineer</b>		50
		- General Experience	20	
		- Specific Experience relevant to the assignment	30	
	3.1 e	<b>HVAC Expert</b>		70
		- General Experience	25	
		- Specific Experience relevant to the assignment	45	
	3.1 f	<b>Water supply and sanitation Expert</b>		55
		- General Experience	20	
		- Specific Experience relevant to the assignment	35	
	3.1 g	<b>Electrical Engineer</b>		55
		- General Experience	20	
		- Specific Experience relevant to the assignment	35	
	3.1 h	<b>Estimator</b>		60
		- General Experience	15	
		- Specific Experience relevant to the assignment	35	
		- Language Qualifications	10	
	<b>Total Section 3</b>			<b>500</b>
	<b>Financial Proposal (30%)</b>			
	To be computed as a ratio of the Proposal's offer to the lowest price among the proposals received by UNDP.			
UNDP will award the contract to:	<input checked="" type="checkbox"/> One and only one Proposer.			

Annexes to this RFP <sup>4</sup>	<input checked="" type="checkbox"/> Detailed TOR (Annex 1) <input checked="" type="checkbox"/> Form for Submission of Proposal (Annex 2) <input checked="" type="checkbox"/> General Terms and Conditions / Special Conditions (Annex 3) <sup>5</sup> <input type="checkbox"/> Others <sup>6</sup>
Contact Person for Inquiries (Written inquiries only) <sup>7</sup>	<i>Procurement Unit, UNDP Armenia</i> <a href="mailto:procurement.armenia@undp.org">procurement.armenia@undp.org</a> 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.
Other Information <i>[pls. specify]</i>	

<sup>4</sup> Where the information is available in the web, a URL for the information may simply be provided.

<sup>5</sup> Service Providers are alerted that non-acceptance of the terms of the General Terms and Conditions (GTC) may be grounds for disqualification from this procurement process.

<sup>6</sup> A more detailed Terms of Reference in addition to the contents of this RFP may be attached hereto.

<sup>7</sup> This contact person and address is officially designated by UNDP. If inquiries are sent to other person/s or address/es, even if they are UNDP staff, UNDP shall have no obligation to respond nor can UNDP confirm that the query was received.



**TERMS OF REFERENCE  
FOR PROVIDING PROFESSIONAL SERVICES****I. Information on the task**

Task Description:	Providing professional services on developing design package for seismic upgrades, energy efficiency improvements and reconstruction of 3 kindergartens in administrative districts of Yerevan
Duration	5 months
Project:	“De-risking and Scaling-up Investment in Energy Efficient Building Retrofits” UNDP-GCF Project
Location:	Yerevan, Republic of Armenia

**1. General information**

“De-risking and Scaling-up Investment in Energy Efficient Building Retrofits” UNDP-GCF Project supports the Municipality of Yerevan in implementing the “Yerevan Energy Efficiency (YEE) Project” aimed at promotion of energy efficiency (EE) improvements in municipal level.

In the first stage (referred as “pilot phase”, the Project will focus on EE measures in public buildings and in the second phase on the residential buildings, depending on the results of a feasibility study.

**2. Sector information****General Description**

According to the Armenia Development Strategy for 2014 – 2025, the promotion of EE in all sectors is a key priority for Armenia and existing legislation supports implementation of energy-saving measures. Armenia is relatively poor in natural resources and covers the major share of its energy needs by fuel import. This dependence on energy imports results in serious consequences on the countries’ external accounts and imposes a risk towards macroeconomic sustainability. The cities in Armenia including capital city Yerevan has joined the Covenant of Mayors and has taken commitments for reducing the energy consumption by 20% by 2020. The improvements in EE would help the municipalities to reduce energy related expenses and contribute to meeting National Energy Efficiency Programme.

The potential for EE upgrades in the building sector has been estimated to be around 40% and Armenia is no exception. The main building stock in Armenia was constructed before 90’s and is in a deteriorated status, thus thermal and seismic characteristics of buildings need to be assessed and upgraded. The Yerevan Municipality in 2017 has initiated “Yerevan Energy Efficiency (YEE) Project” through a loan scheme provided by European Investment Bank and grant resources from UNDP-GCF project and E5P.

Within the framework of this initiative, 3 kindergarten buildings have undergone seismic assessments and detailed energy audits, ordered by UNDP in the frames of technical assistance to the YEE project.

Relevant findings, conclusions and reports have been developed. These reports, as well as the Architectural Planning Technical Scope, will be shared with the selected contractor(s).

**3. Scope of work, key tasks and activities of the Design Company****Scope of work**

The general task is to develop the full design package of reconstruction of 3 kindergartens in Yerevan, including the measures for seismic upgrades and EE improvements.

The contractor has to comply with the current relevant legislative and technical regulations in its scope of work, including but not limited to:

- RA Urban Development Minister's N87-N resolution, dated 24.03.2014 "On approval of the RACN 20-06-2014, Restoration, rehabilitation and strengthening of buildings and structures";
- RA Government N392-N Decree, dated 16.02.2006 "On Approval of the Procedure for Accessibility to Social Transport and Engineering Infrastructures for People with Disabilities and Population groups with limited Mobility";
- RA Government's adjacent State Committee on Urban Development Chairman's N43-A Decree, dated 05.04.2018 RASR 23-101-2017 "On Approval of the Set of Rules for Accessibility of Buildings and Structures for People with Disabilities and Population groups with limited Mobility";
- RA Government N1504-N Decree dated 25.12.2014 "Implementation of energy saving and improving EE measures at state-funded facilities' reconstruction, renovation projects".

The design documents shall be developed for the facilities indicated in the table below. Financial proposal(s) shall be submitted, with breakdown per each kindergarten.

**Table 1. List of buildings**

No	Type of Construction	Address	Building space (m <sup>2</sup> )	Basement
100	Stone-bearing walls	Nor Nork 1 District, Nansen Str. No. 22	1,400	+
102	"ИИС-04" series RC prefab structure	Nor Nork District, Totovents Str. No. 8	970	+
103	Stone-bearing walls	Nor Nork District, 2 <sup>nd</sup> micro district, Totovents Str. No. 3	1,992	+

*\* Building area can differ from the actual figures, (basement surface areas are not considered).*

### Key tasks and activities

In the frames of providing professional services, the contractor must perform the following activities:

1. Preform **detailed measurements** and design accordingly based on factual dimensions for each building;
8. Develop design documents for seismic upgrades, according to the seismic survey results;
9. Develop design documents for EE improvement, considering the energy audit results;
10. Develop design documents for buildings' reconstruction;
11. Develop design documents of solar systems' (PV and water heater) installations, based on the energy audit results;
12. All structural components and building elements, as well as EE improvement measures are indicated in seismic survey and energy audit reports respectively. The reports/summaries will be shared with the selected contractor(s).
13. Conduct "Author Supervision", in accordance with RA Urban Development Minister's N 143 resolution (28.09.1998) during the construction phase.

#### 4. Components of the Design

Development of working drawings should be in compliance with the Order 128-N of 11.09.2017 issued by the Chairman of State Urban Development Committee under the Government of the Republic of Armenia, and Annex 1 to the RA Government Decree No 879-N made on 23.06.2011.

1. General description;
2. Master plan;
3. Floor plans for all levels, including basement and technical floor (if available) showing all elements regarding structural reinforcement and conventional buildings' refurbishments (reinforced-concrete structural elements, metal structures, details of metal structures, wooden structures, etc.);
4. The section drawings of all the main elements of the building façade including: the roof layers, ceiling, exterior walls, doors and windows, basement units and other important connections and joints;
5. Detailed drawings for installation and fixing of thermal insulation layers with walls, ceilings, floors, windows and doors as described in Energy Audit Reports;

6. Detailed drawings of the external walls and associated components, such as piping, drainage pipes and gutters, rainwater down pipes, brackets, hangers and holders, telecommunication accessories, etc., these drawings should be complemented with the relevant floor plans including solar hot water systems' piping
7. Detailed drawings of connections to drainage, sewage or sanitation wells or other appropriate solutions
8. Single line diagrams on rainwater and wastewater drainage horizontal and vertical systems
9. Detailed drawings and single line diagrams of HVAC systems and their thermal insulation including floor plans and section drawings as stipulated in the energy Audit Reports
10. Detailed drawings and single line diagrams of grounding and lightning protection
11. Detailed drawings and single line diagrams of internal and external lighting as stipulated in the Energy Audits Report
12. Detailed drawings and single line diagrams of fire-fighting systems
13. Detailed drawings and single line diagrams of gas supply systems
14. Detailed drawings and single line diagrams of voice-data networks and CCTV
15. Detailed drawings and single line diagrams of the solar hot water systems as stipulated in the Energy Audit Reports
16. Detailed drawings and electrical single line diagrams of the PV systems as stipulated in the Energy Audit Reports
17. Technical descriptions of all structural reinforcements' and conventional building refurbishments' works
18. Technical descriptions of all MEP systems to be implemented (HVAC, Plumbing and electrical, firefighting etc.) as described in Energy Audit reports
19. Technical specifications of all equipment and materials to be used during construction, specifically: detailed description of materials, equipment and installations related to structural reinforcement, conventional buildings' refurbishments and EE improvement (thermal insulation materials, windows, doors, lighting and HVAC systems, PVs and solar hot water system). The Technical Specifications should also cover all the MEP equipment and material referenced above, as well as detailed method statement for the construction works of each system, equipment or material;
20. Environmental protection;
21. H&S plan;
22. Engineering and technical measures for civil defense and prevention of emergency situations;
23. Organization of the construction works with the estimated duration/schedule of civil engineering works (demolishing and dismantling plan, environmental protection measures, fire protection measures, measures for ensuring access to persons with limited mobility, EE and energy conservation measures).
24. Cost estimates and bill of quantities - the detailed bill of quantities (BOQ) for each kindergarten should be submitted separately. Furthermore, a breakdown of the bill of quantities (cost coding) for each kindergarten should be in line with the divisions in Appendix 1, via submission of a separate BOQs for energy efficiency upgrades and general repairs/reconstruction works. (Details shall be clarified with the Yerevan Municipality.)
25. Brief descriptions and specifications of the main construction materials, products, installations and structural elements;
26. All descriptions and specifications (demolishing, rehabilitation works, water and sewage systems, etc.) must be in tabular format showing the individual volume of work for each numbered space/room and the total volume.

**The design for renovation of the building must include the following works:**

**Seismic upgrades**

Enhance seismic condition of the building, in compliance with solutions and recommendations noted in the seismic survey report and current regulations/norms.

**Accessibility**

In compliance with RA CN "IV-11.07.01-2006" and RA SR "23-101-2017", accessibility for disabled with limited mobility should be provided for the building.

## **Roof**

- Removal of the old cover in pitched roofs and construction of the new galvanized sheeting on new wooden joists/rafters (if technically and economically feasible, turn pitched roofs into flat ones while discussing such solution with the client).
- Reinforcement and repair of the existing roof structural elements according to the requirements of the RA Construction Norms.
- While selecting the timber for the roof due regard should be paid to the dimensions of materials available in the market.
- Proper installation of vapor-barrier and thermal insulation layers.
- Treatment of the entire roof timber with antiseptic and fireproof coatings.
- All ventilation pipes must be above the roof cover to comply with the effective standards and norms. The combined ventilation pipes must be thermally insulated and protected by galvanized sheeting mounted above the roof.
- All ventilation ducts in the attic level must be insulated by thermal insulation layer.

## **External walls**

- Remove all devices and equipment mounted on the external walls, including: metal ladders for building maintenance, components of air-conditioners, pipes, electrical appliances, etc.
- Apply thermal insulation layer on external walls to comply with the recommendations of the energy audit report.
- Dependent on the thermal insulation material type, provide detailed description of the technology, insulation layers and sequence of works and the specification of the respective materials to be used.

## **Windows and doors**

- Dismantling and storage of old windows; installation of new energy-efficient windows to comply with the recommendations of the energy audit report; at least one window with a compound lock, mosquito net, and an air inlet/vent in each room. *In recent years some of the kindergartens have been partly renovated, some or all windows have been replaced. The adjustment and/or replacement of such windows, as well as reducing the opening sizes must be agreed with the client.*
- Installation of the internal windowsills, tightening and balancing.
- Installation of external basalt windowsills.
- Dismantling of external doors; installation, adjustment and air tightening of the new aluminum framed doors with embedded thermal breaks. Additionally secondary doors, as a thermal buffer, in the entrance area should be foreseen.
- Dismantling (storage) of the internal doors; installation, adjustment and air-tightening of the new doors;

## **Heating, ventilation, and water supply systems**

- Inspection, repair, and testing of the existing heating systems. Where needed - replace existing radiators by new ones with thermostatic regulating valves; design a new heating system (complete or partial) depending on recommendations of the energy audit report.
- Inspection and repair of the ventilation (inlet and outlet) systems; design new inlet and outlet systems (complete or partial) depending on recommendations of the energy audit report. In case of impossibility for application of inlet systems, air vents should be foreseen for 50% of bedroom windows;
- Inspection and (where necessary) repair, demolish, construct new and test internal and external networks for the cold/hot water supply and sewage systems.

## **Internal repair works**

- Repair, demolish, construct new sanitary rooms where necessary
- Dismantling of sanitary equipment; installation of new ones (the sizes should be selected for specific age groups).
- Examination of the floors in the rooms and corridors of the Kindergarten and upon defining defects/areas for improvement agree on the solutions with the client.

- Examination of the walls, ceilings of the corridors and available spaces; repair of the plaster finish surface and, if necessary, remove the old plaster and make a new layer by using good quality finishing materials.
- All materials used for interior finishing and floors must be environmentally friendly and comply with the fire safety, sanitary and general hygiene and other currently effective requirements (selection of the materials must be agreed with the client).
- Install new banisters in the stair enclosures.

#### **Electricity supply and lighting**

- Inspection, repair, removal and replacement (where needed) of wiring and electrical devices; dismantling of old luminaires and replacement by new luminaires with LED bulbs (color temperature  $\leq 4,000$  °K) of estimated light output; partial and general testing of the networks.

#### **Solar thermal and PV systems**

- Solar thermal and PV systems should be installed in locations where they will get full sunlight and not be shaded;
- Special care has to be taken to ensure that the exterior waterproof envelope of the roof is not compromised which could lead to leaks and rain penetration (in particular, where fixings, cables and pipes penetrate the roof);
- If the solar system is to be located on the roof of the building(s), roof structures must be designed to accommodate the additional dead loads (static load) and live loads (dynamic load) of the PV and/or ST system. Orientation and tilt angle of the solar systems should comply with the values noted in the energy audit report.
- For solar thermal systems, location for controllers, heat storage system, shutoff valves, and other equipment should be identified. All the necessary plumbing plans and pathways for water piping to link the solar collector, the heat storage system, and the rest of the building's hot water system should be provided.
- For PV systems, installation scheme of the modules, fittings and fixtures, framing, location of inverters and auxiliary equipment, as well as wiring diagram should be provided.

#### **NOTES:**

**All the engineering components of the design, such as seismic retrofit, HVAC, Lighting, etc. should be justified via detailed calculation/documentation which should be provided upon request.**

**All materials, equipment and installations related to energy-efficiency and energy-saving must be designed to strictly comply with the technical recommendation and other specifications recommended in the energy audit report as well as should be guided by the "Technical solutions for the thermal insulation of the building envelopes for the newly constructed and renovated residential, public, and industrial building in the Republic of Armenia" Advisory Handbook, while agreeing such solutions with the client.**

The Handbook is available on [http://www.nature-ic.am/wp-content/uploads/2013/10/Advisory\\_Handbook\\_on\\_Insulation\\_2013.pdf](http://www.nature-ic.am/wp-content/uploads/2013/10/Advisory_Handbook_on_Insulation_2013.pdf)

In recent years, some of the kindergartens have been partially renovated. The possible renovation of said sections should be agreed with the client paying due regard to the recommendations of the energy audit report.

#### **5. *General provisions***

- Implement the design works for the building premises leased/occupied/privatized only upon the consent of the client and staff of the Yerevan Municipality.
- Include in the working drawings all possible works necessary for complete renovation and regular operation of the kindergarten:
  - a. submit the scope/volume of works substantiated by the findings of the detailed study;
  - b. elaborate the design in accordance with the requirements of all construction norms currently effective in the Republic of Armenia;
  - c. Submit the warranty period (term) requirements for the separate parts (elements, etc.), and used materials of the contracted facility

- The contractor shall be obliged to obtain all necessary technical conditions.
  - Submit the scope/volume of works substantiated by the findings of the detailed study;
  - Agree the design and cost estimates with the client after completing the works.

According to the RA MoUD order No11-N of 14.01.2008, and RA Government decree N526-N of 04.05.2017, the following documents must be attached to the design package:

- The implementation schedule (plan) by individual types of work;
- Requirements for the licensing, technical means and workmanship for the implementation of the construction project.

## II. Expected main outputs

The final output of the task shall be the designs made for seismic improvement, energy-efficiency improvement, and renovation of 3 kindergartens to be submitted in the electronic carrier (in AutoCAD compatible format) and in **7 copies on A2 format** paper. The cost estimates and the bill of quantities shall be submitted in electronic version (excel format) **4 copies on A4 format** paper.

**The entire package of design documents** shall be prepared in two languages: **Armenian and English.**

## III. Professional requirements

The bidding organization (company) shall have:

- at least **5-year** experience in designing public buildings;
- a **staff of experienced specialists**, including:
  - one senior architect, with a minimum of 10 years working experience (whom can take the role of team leader);
  - one senior structural engineer, with a minimum of 10 years working experience (whom can take the role of team leader);
  - one architect, with a minimum of 5 years working experience;
  - one structural engineer, with a minimum of 5 years working experience;
  - one HVAC expert, with a minimum of 5 years working experience;
  - one water supply and sanitation expert, with a minimum of 5 years working experience;
  - one electrical engineer, with a minimum of 5 years working experience;
  - one estimator, with a minimum of 5 years working experience.

<i><b>Team Leader</b></i>	<i><b>Senior Architect</b></i>	<i><b>Senior Structural Engineer</b></i>	<i><b>Architect</b></i>	<i><b>Structural Engineer</b></i>	<i><b>HVAC Expert</b></i>	<i><b>Electrical Engineer</b></i>	<i><b>Water supply and sanitation Expert</b></i>	<i><b>Estimator</b></i>
full name	full name	full name	full name	full name	full name	full name	full name	full name
-	-	-	-	-	-	-	-	-

## IV. Required composition of the design documents

Making of design documents for kindergartens shall be guided by “Rules for the composition and content of the design document for residential, public and industrial buildings” approved by the Order N273-N of the Minister of Urban Development made on November 29, 2006.

The design documents shall also include a part on energy performance of the building, i.e. the energy performance passport (the format shall be agreed with the client).

The bids made shall comply with the standards specified in the “Rules for cost estimation of urban development documents/projects and architectural and civil engineering/development works” approved by the Order No19-N of the Minister of Urban Development made on 15.02.2008.

## V. Bid Package Composition

Applicant organization/company must submit below requested information for the specified works in the application package:

- Copy of state registration certificate,
- Copies of the relevant licenses and inserts (inserts 01, 02, 03 and 10) required for the design activities as defined by the assignment, according to RA government decree No 1533-N for preparation of engineering documents, dated 27.12.2018, provided by the Urban Development Committee licensing agency.

3. Description of the similar experience in projects and activities of the organization (to present the list of similar works for the last five years, the address and phone number of the client),
4. Resumes of the required experts, **signed by relevant expert**, documents confirming the relevant work experience (CVs) and qualifications (copy of the diploma), as well as certificates of the architect and structural engineer, according to No 1533-N RA government decree,
5. The quotations should be submitted individually for each kindergarten and summoned for all 3 kindergartens.

**IMPORTANT NOTE: In case of contract granting, the works must be performed by the experts presented in the package.**

Change of an expert by another qualified specialist is permitted only with the consent of the client. At the request of the customer, the contractor is obliged to change the experts.

## VI. Timeline

The design development package for all the kindergartens should be submitted in 5 months.

The contractor should submit the finalized draft design package for the first kindergarten via e-mail no later than 100 calendar days after beginning of the work.

The contractor should submit the finalized draft design packages for the second and third kindergartens via e-mail no later than 110 and 120 calendar days accordingly after beginning of the work.

The client will provide feedback in 10 calendar days, after which the contractor is obliged to address all the issues and modifications and submit the design package to the client for varying out independent expertise. The contractor should submit the finalized version of the package (with approved expertise) in 10 calendar days (in soft and hard copies), taking into account all the comments and revisions.

Kindergarten	Month 1			Month 2			Month 3			Month 4			Month 5		
#100															
#102															
#103															

	Deign Period
	Client's revision
	Final correction, print out and submission

***The ownership rights of the designs shall belong to the client.***

## Appendix 1

		Under EE component	under general repairs/rehabilitation/ construction
<b>A</b>	<b>Roof</b>		
1	Removal of roof cladding	X	
2	Refurbishment of the roof cladding	X	
3	Installation of new roof cladding	X	
4	Refurbishment/installation of the flat roof waterproofing membrane(s)	X	
5	Installation/improvement of metal railing	X	
6	Removal of construction waste (in attic floor)	X	
7	Improvement of existing pitched roof wooden/metal framework	X	
8	Concrete screed layer for leveling the attic floor/roof	X	
9	Improvement of the ventilation shafts on the roof/attic floor level	X	
10	Improvement of the flue gas shafts on the roof/attic floor level	X	
11	Thermal insulation of the attic floor (pitched roofs)	X	
12	Thermal insulation of the cold roof (flat roofs)	X	
13	Provide accessibility in attic floor level for future maintenance of the roof and/or telecommunication accessories setup	X	
14	Installing/improving the rainwater management & drainage system	X	
15	Installing/improving rain gutters	X	
16	Installing/improving downpipes	X	
<b>B</b>	<b>Exterior Walls</b>		
1	Demolition of loose-fill parts and all building elements, which jut out the façade and are not of any structural importance	X	
2	Levelling/filling the joints/cracks on the surface of exterior walls	X	
3	Insulation of exterior walls	X	



4	Decorative rendering/painting of the facades	X	
5	New concrete/asphalt sidewalk installation on the ground level		X
<b>C Windows</b>			
1	Dismantling existing old/defective/poor windows on the exterior shell	X	
2	Installation of new windows on the exterior shell	X	
3	Installation of window sills - internal & external	X	
4	Repair works of the window reveals - internal & external	X	
5	Dismantling defective interior/partition windows	X	X
6	Installing new windows in the interior	X	X
<b>D Doors</b>			
1	Dismantling existing old/defective/poor doors on the exterior shell	X	
2	Installation of new doors on the exterior shell	X	
3	Repair works of the door reveals - internal & external	X	
4	Dismantling defective interior/partition doors		X
5	Installing new doors in the interior (partition doors)		X
<b>E Basement/Slab on grade</b>			
1	Refurbishment of basement ceiling	X	
2	Installation of insulation layer on the basement ceiling level	X	
3	Rendering/covering/coating of the insulation	X	
4	Refurbishment of the slab on grade level, levelling screed layer	X	
5	Insulation of the slab on grade	X	
6	Floor cover installation (concrete/tiles/laminate)	X	
<b>F Lighting</b>			
1	Installation of new efficient luminaries	X	
2	Assembly of new wiring if associated with new lamps and if modification of wiring layout is needed	X	
3	Assembly of new wiring (if not falling under the above category)		X
4	Installation of plugs and sockets		X

<b>G</b>	<b>Ventilation</b>		
1	Installation of new ventilation shafts/ducts	X	
2	Installation of fans	X	
3	Installation of wiring and accessories	X	
4	Installation of new automatic air vents (or trickle vents, or air inlets) in window frames	X	
<b>H</b>	<b>Heat Recovery</b>		
1	Installation of heat recovery units	X	
2	Wiring and accessories	X	
<b>I</b>	<b>Heat Pumps</b>		
1	Installation of air source heat pumps	X	
2	Installation of ground source heat pumps	X	
3	Soil excavation/cut, piping	X	
<b>J</b>	<b>Renewable Energy</b>		
1	Installation of solar thermal systems	X	
2	Installation of reservoir/boiler	X	
3	Installation of heat exchanger	X	
4	Piping	X	
5	Installation of Solar Photovoltaic system (modules, inverters, wiring)	X	
6	Framing installation	X	
7	Concrete works for ground mounted systems	X	
<b>K</b>	<b>Hot Water Supply</b>		
1	Installation of electric water heaters		X
2	Wiring and accessories		X
3	Piping and accessories		X
<b>L</b>	<b>Heating System</b>		
1	Replacement of existing boilers with condensing	X	

2	Automation in the boiler station	X	
3	New piping installation (where needed) comprising surplus thermal insulation of the external and basement pipes	X	
4	Replacement of part of the existing radiators (most obsolete), insuring adequate quantity of radiators sections (also considering the condensing regime for operation).	X	
5	Installation of multi-layer reflective thermal insulation behind the radiators	X	
6	Thermostatic valves on radiators (partly automatic and manual)	X	

## **Annex 2 - FORM FOR SUBMITTING SERVICE PROVIDER'S PROPOSAL<sup>8</sup>**

***(This Form must be submitted only using the Service Provider's Official Letterhead/Stationery<sup>9</sup>)***

[insert: Location].

[insert: Date]

To: [insert: Name and Address of UNDP focal point]

Dear Sir/Madam:

We, the undersigned, hereby offer to render the following services to UNDP in conformity with the requirements defined in the RFP dated [specify date] , and all of its attachments, as well as the provisions of the UNDP General Contract Terms and Conditions:

### **A. Qualifications of the Service Provider**

*The Service Provider must describe and explain how and why they are the best entity that can deliver the requirements of UNDP by indicating the following:*

- a) Profile – describing the nature of business, field of expertise, licenses, certifications, accreditations;*
- b) Business Licenses – Registration Papers, Tax Payment Certification, etc.*
- c) Latest Audited Financial Statement – income statement or balance sheet to indicate its financial stability, liquidity, credit standing, and market reputation, etc. ;*
- d) Track Record – list of clients for similar services as those required by UNDP, indicating description of contract scope, contract duration, contract value, contract references;*
- e) Copies of the relevant licenses and inserts (inserts 01, 02, 03 and 10) required for the design activities as defined by the assignment, according to RA government decree No 1533-N for preparation of engineering documents, dated 27.12.2018, provided by the Urban Development Committee licensing agency.*
- f) Written Self-Declaration that the company is not in the UN Security Council 1267/1989 List, UN Procurement Division List or Other UN Ineligibility List.*

### **B. Proposed Methodology for the Completion of Services**

*The Service Provider must describe how it will address/deliver the demands of the RFP; providing a detailed description of the essential performance characteristics, reporting conditions and quality assurance mechanisms that will be put in place, while demonstrating that the proposed methodology will be appropriate to the local conditions and context of the work.*

<sup>8</sup> This serves as a guide to the Service Provider in preparing the Proposal.

<sup>9</sup> Official Letterhead/Stationery must indicate contact details – addresses, email, phone and fax numbers – for verification purposes

**C. Qualifications of Key Personnel**

*If required by the RFP, the Service Provider must provide:*

- a) Names and qualifications of the key personnel that will perform the services indicating who is Team Leader, who are experts, etc.;*
- b) CVs demonstrating qualifications must be submitted; and*
- c) Written confirmation from each personnel that they are available for the entire duration of the contract.*

**D. Cost Breakdown per Deliverable for design services\***

	<b>Deliverables</b> <i>[list them as referred to in the RFP]</i>	<b>Percentage of Total Price (Weight for payment)</b>	<b>Price (Lump Sum, All Inclusive)</b>
1	1) Building's existing dimensional drawings with all the specifications, 2) Structural drawings with all the specifications, 3) 80% of the architectural drawings with related specifications.		
2	Upon submission of the requested package in full, within the deadline noted in the timeline, including addressing of the received comments from the client and gaining approval from the independent expertise body.		
3	Author Supervision: after fully completing the construction works (and author supervision respectively) the payment shall be made for the author supervision based on the Acceptance Act.		

*\*This shall be the basis of the payment tranches*

**E. Cost Breakdown by Cost Component [This is only an Example]:**

<b>Description of Activity</b>	<b>Remuneration per Unit of Time</b>	<b>Total Period of Engagement</b>	<b>No. of Personnel</b>	<b>Total Rate</b>
<b>I. Personnel Services</b>				
1. Services from Home Office				
a. Key Expert 1				
b. Key Expert 2				
c. Expert 3				
d. Expert 4				
2. Services from Field Offices				
a. Key Expert 1				
b. Key Expert 2				
c. Expert 3				
d. Expert 4				
3. Services from Overseas				
a. Expertise 1				

b. Expertise 2				
<b>II. Out of Pocket Expenses</b>				
1. Travel Costs				
2. Daily Allowance				
3. Communications				
4. Reproduction				
5. Equipment Lease				
6. Others				
<b>III. Other Related Costs</b>				

Proposal Amount:

Kindergarten number	design price (currency)	author supervision price (currency)	total for kindergarten (currency)	Total (currency)
<b>No 100</b>	a	d	a+d	(a+d)+(b+e)+(c+f)
<b>No 102</b>	b	e	b+e	
<b>No 103</b>	c	f	d+f	

**NOTE: The price for author supervision shall be equal to at least 20% of the total contract price.**

*[Name and Signature of the Service Provider's Authorized Person]*

*[Designation]*

*[Date]*



## **Annex 3- UNDP GENERAL CONDITIONS OF CONTRACT FOR SERVICES**

(attached separately)