

Annex 7 - Schedule of Requirements

CONTRACT OF WINDOWS REPLACEMENT WORKS AS PART OF ENERGY EFFICIENCY MEASURES AT SIX SCHOOL IN R. MOLDOVA

I. BACKGROUND

PIN Moldova is Supporting Education of Ukrainian Refugees and Vulnerable Children in a Supportive, Warm Environment in Moldova. The main objective is to increase the access to formal education and respond to urgent energy-related needs of school environments for the benefit of the war-affected communities in Moldova with immediate and sustainable green solutions for schools hosting refugees. The aim is to create a better learning environment in schools by implementing urgent and durable energy efficiency measures.

Due to the influx of refugees and the ongoing running costs for each of the facilities, in general, the facility owners are not able to host many children within their facilities nor conduct repair works to improve energy consumption without external assistance. For this reason, PIN will provide light/ medium repairs for insulation purposes to selected schools in 2 target regions, with a higher concentration of refugees that could be attending schools in either Chisinau, Comrat or Balti. The repairs' main aim is to improve urgent energy efficiency problems and thermal performance in school buildings.

This repair assistance includes the replacement of old windows and doors, repair of interior sills, and installation of drip caps and exterior sills. These measures are essential to minimize heat loss during winter and heat gain during summer, ensuring a comfortable environment for both students and teachers.

II. SCOPE OF WORKS

PIN Moldova is seeking a company/consortium with demonstrated experience in window replacement works to carry out the replacement of outdated windows and doors as part of energy efficiency measures in six schools across the Republic of Moldova.

The overall objective of this contract is to provide all necessary materials and work to complete the project at a fixed price, with the aim of implementing measures that will improve the energy efficiency of the buildings and reduce financial costs.

The replacement of windows/doors is planned for the following schools:

- Theoretical Lyceum "Ivan Neciui-Levitchi" in Chişinău
- Theoretical Lyceum "Constantin Sibirskii" in Chişinău
- Gymnasium "No. 86" in Chişinău
- Gymnasium "Galata" in Chişinău
- Theoretical Lyceum "Boris Dinga" in Criuleni
- Theoretical Lyceum "B.P. Hasdeu" in Bălţi

All the works carried out in connection with the above-mentioned measures shall be executed in compliance with all the requirements specified in this ToR and in accordance with in force Republic of Moldova legislation.

The Contractor must ensure all the necessary elements for the successful fulfilment of the contract: labor, engineering, installations, support materials, transportation, machines and mechanisms, tools, overheads needed for carrying out all the works under this contract. Transportation of materials shall be the responsibility of Contractor. Residues formed from construction works will be evacuated by the Contractor based on local legislation in construction.

Based on the accepted/approved Bill of Quantities (BoQ), the Contractor will execute the works in order to implement the measures. During the implementation of works the selected Contractor will cooperate closely with the civil engineer, hired by PIN Moldova, to ensure high quality works.

Completion of the works, which should be properly registered, documented and signed by all parties involved in the project: Contractor, final Beneficiaries (the schools), Civil Engineer and PIN Moldova

III. Civil Engineer (technical supervisor)

- PIN or any other person authorized by them is entitled to supervise the execution of the works by the Contractor and all sub-contractors including. This includes work-site visits while the Contractor is obliged to enable such visits. PIN or any other person authorized by them is entitled to make entries into the construction diary on deficiencies found during monitoring or any other facts and the Contractor is obliged to enable such entries.
- All the work performed by the Contractor will be monitored by a designated PIN Engineer (technical supervisor) which will carry out systematic monitoring site visits. The Contractor will be obliged to coordinate with the PIN Engineer all the deviations/discrepancies that occurred during the works and give full access to the site during monitoring visits.
- Any changes to the work execution as described in the Schedule of Requirements must be agreed in writing by PIN and by the PIN Engineer and must be noted in the construction diary.
- The Contractor shall be obliged to permit and enable access to any books, documents and records related to the works upon the request of PIN Engineer for inspection.

IV. INDEMNITY

The Contractor agrees to indemnify PIN and its members of Board, management and employees for all loss incurred by them in connection with any claim made against them arising out of the Contractor's performance of Construction Works.

V. TECHNICAL REQUIREMENTS, DESCRIPTION OF WORKS AND MATERIALS.

- Removal of existing window frames and transportation of the removed frames to a specialized recycling facility.
- Installation of new 5-chamber PVC windows, minimum metal thickness 1.5 mm; profile thickness not less than 70 mm with white profile, LOW-E glass packs and plastic sills with a U-value of no more than 1.7 W/m²K. Energy efficiency class A+. Also included is window frame finishing work and sill and glazing fitting;
- Supply of glazing to provide the possibility of opening the window in horizontal and vertical plane of EU production key type closing.

- Installation of new 5-chamber PVC doors with white profile: 1) External 2-ply sandwich doors. Handle: door handle with rosette. Locking element: multi-point locking key type lock. Hinges :3 pcs. 2) Interior doors with 2-layer glass packs. Handle: double-sided. Locking element: lacquered inside. Hinges: single hinges
- Installation of PVC windows and doors shall be carried out in accordance with CPC.04.08:2015 "PVC window and door blocks. Installation works"



LOT

Works and volumes required for replacement of windows and doors, for the implementation of the People in Need project to ensure the Energy Efficiency of the:

- Theoretical Lyceum "Ivan Neciui-Levitchi" in Chişinău
- Theoretical Lyceum "Constantin Sibirskii" in Chişinău
- Gymnasium "No. 86" in Chişinău
- Gymnasium "Galata" in Chişinău
- Theoretical Lyceum "Boris Dinga" in Criuleni
- Theoretical Lyceum "B.P. Hasdeu" in Bălţi

N / o	Works	Unit	Ivan Neciui-Levitchi	Constant in Sibirskii	Gimnaziul "Nr. 86"	Gimnaziul "Galata"	"Boris Dinga "	"B.P. Hasdeu "	Total
1.	Dismantling of window and interior door reveals	ml	105,60	403,50	924,70	1059,00	235,30	421,40	3149,5
2.	Dismantling of wooden windows and doors	pcs	18,0	65,0	159,0	186,0	41,0	63,0	532,00
3.	Removal of window sills	pcs	17,0	61,0	155,0	180,0	40,0	55,0	508,00
4.	Supply and installation of windows and doors (as per specifications)	m2	58,79	244,76	525,22	655,22	142,59	303,21	1929,79
5.	Plastering of exterior window and door	ml	105,6	403,5	924,70	1059,0	235,3	421,4	3149,5

	reveals, thickness up to 50 mm								
	Cement-based dry mix	kg	581	2219	5086	5825	1294	2318	17323,00
	Primer	kg	3,17	12,11	27,74	31,77	7,06	12,64	94,49
6.	Plastering of interior window and door reveals, 30 mm thickness and up to 300 mm width	ml	105,6	403,5	924,70	1059,0	235,3	421,4	3149,5
	Cement-based dry mix	kg	950	3632	8322	9531	2118	3793	28346,00
	Primer	kg	3,17	12,11	27,74	31,77	7,06	12,64	94,49
7.	Priming of interior window and door reveals – 400 mm	ml	105,60	403,50	932,70	1059,00	235,30	421,40	3157,5
	Primer	kg	8,45	32,28	74,62	84,72	18,82	33,71	252,6
8.	Interior painting in 2 coats – window and door reveals – 400 mm	ml	105,60	403,50	932,70	1059,00	235,30	421,40	3157,5
	UNIVERSAL paint	kg	16,90	64,56	149,23	169,44	37,65	67,42	505,2
9.	Dismantling of glazed glass block panels	m2			17,8	39		32,67	89,47
10	Brick wall masonry	m3			1,25		0,40		1,65
	Bricks	pcs			387,50		124,00		511,5
	Cement mortar	m3			0,13		0,04		0,17
11	Plastering of surfaces, 20 mm thickness	m2			8,0		2,8		10,8
	Cement-based dry mix	kg			168		59		227
	Primer	kg			0,24		0,08		0,32

VI. PAYMENT TERMS

The progress payments are acceptable, it is subject upon written acceptance of performed works.

VII. RECEPTION ON COMPLETION OF WORKS

After completion of the works and submission of execution documents, the site (school) will be assessed by a commission in accordance with the provisions of the Regulation on the reception of construction works and related facilities, approved by Moldovan Government Decision no. 285 of 23.05.1996 with subsequent amendments.

VIII. WARRANTY

The warranty period for the works performed should be minimum 3 years.

IX. ESTIMATED TIMEFRAME

The following timeframe is foreseen for the single LOT. The works are expected to be completed within an estimated period of **65 calendar days**.

	Description	Estimated Delivery Date
1.	Mobilizations period.	5 days
2.	Execution of all window and door replacement works, including their supply and installation	45 days
3.	Preliminary Reception on Completion of Works and signature of relevant documentation, related to the performed works, presentation of Acts of reception of works. (in 3 original copies).	10 days
4.	Final Commissioning of construction works. Detected defects report.	5 days

X. NATIONAL LAWS ON CONSTRUCTION WORKS

The Contractor shall consider/follow the bellow normative acts while performing the required works:

1. Law No. 128 of 11.07.2014 regarding the energy performance of buildings;
2. Law No. 139 of 19.07.2018 regarding energy efficiency;
3. Law no. 721 of 02.02.96 regarding quality in construction;
4. Law No. 163 of 09.07.2010 regarding the authorization of the execution of construction works;
5. Decision No. 361 of 25.06.1996 regarding construction quality assurance;
6. Decision No. 936 of 16.08.2006 for the approval of the Regulation on technical expertise in construction;
7. NCMM.01.01:2016 Energy performance of buildings Minimum requirements for energy performance of buildings;
8. NCM A.03.03:98 Rules for certification of products used in construction;
9. NCM A.08.01:2016 Organization of constructions;
10. NCM M.01.01:2016 Energy performance of buildings Minimum requirements for energy performance of buildings;
11. NCM E. 03.02:2014 Fire protection of buildings and installations;
12. NCM G.04.08:06 (MCH 4.02-03-04) Thermal insulation of equipment and pipes;
13. CPA.08.01:96 Instructions for quality control and reception of hidden works and/or in the determining phases of constructions and related installations;
14. CPC.04.08:2015 PVC window and door blocks;
15. CPE.04.02:2013 Technical rules for the execution of external and internal thermal insulation systems of the building;
16. CPE 04.04: 2005 Execution of insulation, protection and finishing works in constructions;
17. Law No. 721 of 02.02.1996 regarding quality in construction.

18. Government Decision No. 353 of 05.05.2010 regarding the approval of minimum safety and health requirements at the workplace.
19. Government Decision No. 80 of 09.02.2012 regarding the minimum security and health requirements for temporary or mobile construction sites.
20. NCMA 8.02:2014 Safety and health at work in construction.