

University : “TIAME” NRU
Country : Uzbekistan
Web Address : <https://tiame.uz/>

[SDG 7] University measures towards affordable and clean energy



Roof Mounted Solar Panels (“TIAME” NRU)

Description:

No	Renewable Energy	Production (in kWh)
1	Solar panel	998.000
	Total	998.000

$$331.000 / 1.289.214 \text{ (Electricity usage)} = 77,4 \%$$

Description:

1. On roofs of administration building, library, laboratory building, teaching buildings and gym of university solar PV power station of total 998 000 kW is installed.

Min. at least five requirements for each building

No.	Name	Place	automation		safety				energy		water		Indoor environment				lighting				Building Area (m ²)
			B1	B2	S1	S2	S3	S4	E1	E2	A1	A2	I1	I2	I3	I4	L1	L2	L3	L4	
1	“TIAME” NRU; Building A	Tashkent, Uzbekistan				x			x	x					x	x	x			12215,48	
2	“TIAME” NRU; Building B	Tashkent, Uzbekistan				x				x					x	x			x	14489,28	
3	“TIAME” NRU; Building V	Tashkent, Uzbekistan		x				x	x					x	x	x				17985,65	
4	“TIAME” NRU; Building G	Tashkent, Uzbekistan				x									x			x		18109,9	
5	“TIAME” NRU; Building D	Tashkent, Uzbekistan					X			x									x	6644,34	
6	“TIAME” NRU; Building E	Tashkent, Uzbekistan						X		x									x	2960,12	
7	“TIAME” NRU; 5th Building	Tashkent, Uzbekistan				x				x		x		x	x			x	x	6987,8	
8	“TIAME” NRU; 11th Building	Tashkent, Uzbekistan					x						x				x			10640,7	
9	“TIAME” NRU; Rectorate	Tashkent, Uzbekistan				x				x		x						x		9921,63	
10	“TIAME” NRU; Library	Tashkent, Uzbekistan					x				x							x		1431,82	
11	“TIAME” NRU; Canteens	Tashkent, Uzbekistan												x				x		1506,43	
12	“TIAME” NRU; Dormitories	Tashkent, Uzbekistan						x							x				x	18689,28	
13	“TIAME” NRU; IT Park	Tashkent, Uzbekistan		x			x			x		x					x			5506,52	
Total																			67,106.36		

Please compile one row for each building (or homogeneous part of it) by ticking with a “X” for each requirement

Smart building implementation

$$\frac{\text{total smart building area}}{\text{total building area}} \times 100\%$$

*Total Building Area: 127089 m²

$$\frac{67,106.36 \text{ m}^2}{127,089 \text{ m}^2} \times 100\% = 52,8 \%$$

Note: One building could be classified as a smart building if it has a minimum of 5 features. Please add the Total smart building area from buildings which are classified as smart buildings.

Building A



Bulding B



Building V



Bulding G



Building D



Bulding E



5th build



Rectorate



Library



Canteens



Dorminatories





11th build



IT Park



Impactful university program(s) on climate change

No	Programs	Scope (international / regional / national / local / etc)	Total Participants	Photo	URL	Short Description
1	World earth day 2023 (16-23 april)	National	47 Teachers 300 Students		http://lulc.ttiame.uz/article/22-aprel-butunjahon-yer-kuni	The attention of the general public, especially young people, is focused on the sustainable management and rational use of land resources, current problems related to land protection, and land resource conservation reforms.
2	Annual International Scientific Conference on GeoInformatics 2023	International	300 participants		https://ttiame.recognize.uz/en/conferences	Annual International Scientific GI conferences directly supports DSinGIS Project objectives: Orientate UZ scientists of Socio-Ecological Systems into interdisciplinary geospatial doctoral studies and research; and Improve involvement of UZ academic staff and doctoral candidates in geoinformation sciences into world-wide scientific community, strengthening internationalization of HEIs/RIs.

Elements of Green Building Implementation as Reflected in All Construction and Renovation Policies



Copy of the “TIAME” NRU DGU04338 certification

Description:

The buildings of "TIAME" NRU comply with the energy efficiency standard for buildings established in the country. This, in turn, is confirmed by certificate No. DGU 04338. NRU “TIAME” has introduced elements of “green building”, such as a solar heat transmitter with a heat storage tank to provide heat, a solar thermal collector as a heat source, as well as solar panels for power supply.