



Evidence UI GreenMetric Questionnaire

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[2] Energy and Climate Change (EC)

[2.3] Smart Building Implementation

Original

***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.	MNS-University of Agriculture; Block A (Academic Block)	Multan, Pakistan	X	X	x	X	x	x	x	X	x	x	x	x	x	x	x			x	5017
2.	MNS-University of Agriculture; Block A (Girls Hostel)	Multan, Pakistan	X	X	x	X	x	x	x	X	x	x	x	x	x	x			X	5825	
3.	MNS-University of Agriculture; Block A (VC House and Faculty Residences)	Multan, Pakistan	X	X	x	x	x	x	x	X	x	x	x		x	x			x	2323	
4.	MNS-University of Agriculture; Block B (Academic Block)	Multan, Pakistan	X	X	x	X	x	x	x	X	x	x	x	x	x	x			x	18335	
5.	MNS-University of Agriculture; Block B (Administration Block)	Multan, Pakistan	X	X	x	X	x	x	x	X	x	x	x	x	x	x			x	3749	
6.	MNS-University of Agriculture; Block B (Boys Hostel)	Multan, Pakistan	X	X	x	X	x	x	x	X	x	x	x	x	x	x			x	5825	
7.	MNS-University of Agriculture; Block B (Guest House)	Multan, Pakistan	X	X	x	x	x	x	x	X	x	x	x	x	x	x			x	611	
8.	MNS-University of Agriculture; Block B (Central Library)	Multan, Pakistan	X	X	x	x	x	x	x		x	x	x	x	X				X	4081	
Total			8	8	8	8	8	8	8	7	8	8	8	7	8	8	7	8	7	8	45,766

Smart building implementation

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



Example:


*Total Building Area: 150,000 m²

$$\frac{42,550 \text{ m}^2}{45,766 \text{ m}^2} \times 100\% = 93\%$$

<p align="center">Building in Block A (Academic Block)</p>	<p align="center">Building in Block A (Girls Hostel)</p>
	
<p align="center">Area 5017 m²</p>	<p align="center">Area 5825 m²</p>
<p align="center">Building in Block A (Vice Chancellor Residence)</p>	<p align="center">Building in Block A (Faculty Residence)</p>
	
<p align="center">Area 395 m²</p>	<p align="center">Area 1928 m²</p>
<p align="center">Building in Block B (Academic Block)</p>	<p align="center">Building in Block B (Administration Block)</p>
	
<p align="center">Area 18335 m²</p>	<p align="center">Area 3749 m²</p>



Building in Block B (Boys Hostel)	Building in Block B (Guest House)
	
Area 5825 m2	Area 611 m2

Building in Block B Central Library

Area 4081 m2