

Carbon footprint of Bangabandhu Sheikh Mujibur Rahman Agricultural University (BSMRAU) (2022-2023)

Table: Total Carbon emission (tCo2 E) by Bangabandhu Sheikh Mujibur
Rahman Agricultural University during July'2022 to June'2023

Scope	No./amount	GHG emission Factor	Co2 E	tCo2 E	% emission
Scope 1 Emission					
Air Conditionar (n)	300	1810	543000	543	0.38
Refrigerator (n)	180	2088	375840	376	0.26
Fuel internal vehicle (L)	269	2676	719844	720	0.50
	278	1642	456476	456	0.32
	1243	2.2	2735	3	0.00
Generator (L)	7000	2676	18732000	18732	13.05
Livestock farm (catle) (n)	50	166	8300	8	0.01
Solar panel (KW)	238951	0.01	2390	2	0.00
Total=				20841	14.51
Scope 2 Emission					
Electricity (KW)	2140911	0.39872	853624	854	0.59
Total=				854	0.59
Scope 3 Emission					
Transport fuel (L Diesel,Octen, CNG)	44000	2676	117744000	117744	82.00
	2200	1642	3612400	3612	2.52
	30000	2.2	66000	66	0.05
Public bus (km)	250000	0.152	38000	38	0.03
Air ways (km)	150000	0.874	131100	131	0.09
Waste (biological) kg	200000	0.421	84200	84	0.06
Laptop (n)	500	51.07	25535	26	0.02
Printing (n)	200000	0.939	187800	188	0.13
Total=				121889	84.89
Total (1+2+3)=				143583	100.00

Carbon emission by Scope 1 : 20841 tCo2 E

Carbon emission by Scope 2 : 854 tCo2 E

Carbon emission by Scope 3 : 121889 tCo2 E

Total: 143583 tCo2 E

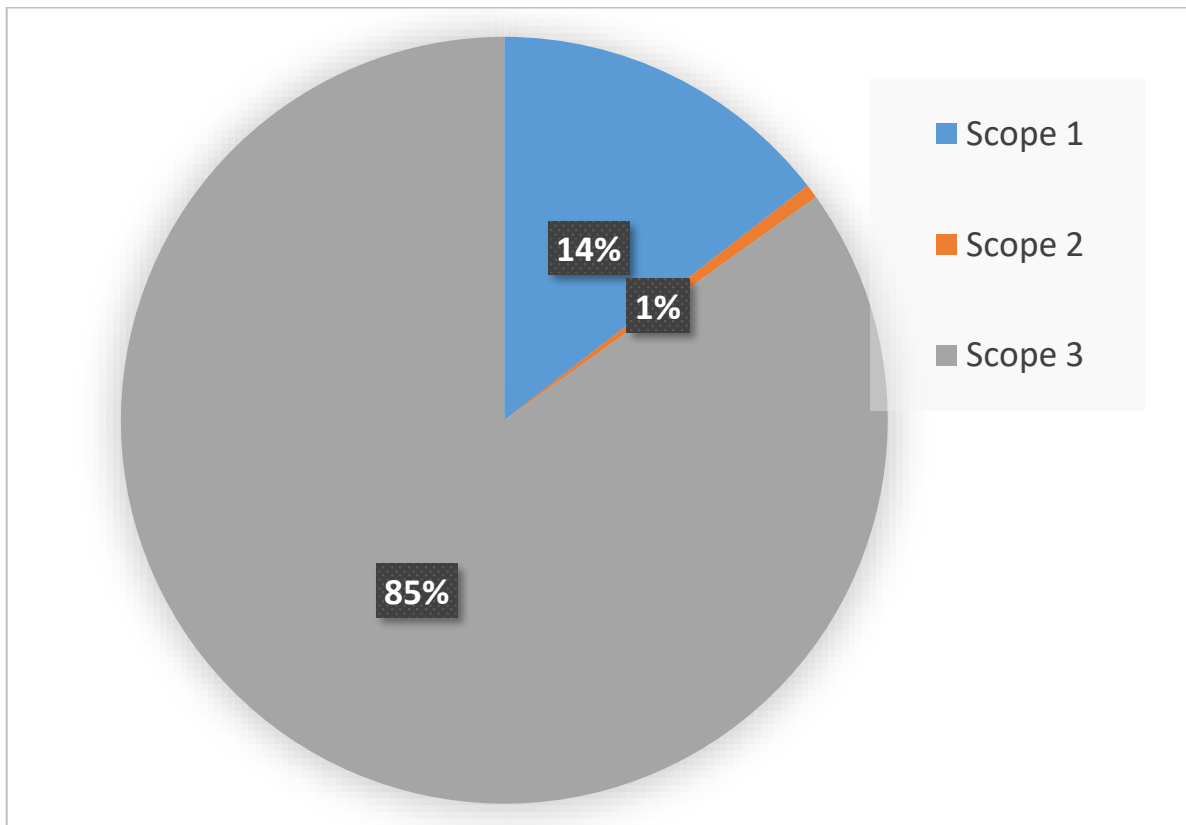


Figure: Total Carbon emission (Scope 1, Scope 2 & Scope 3) by Bangabandhu Sheikh Mujibur Rahman Agricultural University during July'2022 to June'2023