Section R: Efficiency Parameters from Flue Gas

To be filled by the Energy Consultancy.

	Instructions: Flue Gas Parameters are to be measured at cell-out points of ALL emissions sources and their APCMs, where possible, in the Industry.			
R1.1	**Industry ID**		GJS|____|____|____|	
R1.2	**Industry Name**			
R1.3	**Consultant team code**			
R2.1	**Date of Testing** *(DD/MM/2018)*		|___ ___| / |___ ___|/ 2019	
R2.2	**Time of Testing** *(24-hour format)*		Start Time |_____|hrs|_____|mins End Time |_____|hrs|_____|mins	
R3	**EMISSIONS SOURCE:**		☐ Boiler ☐ Thermopack (TPH)	
R3.1	**Feed Water Temperature**			**º Celsius**
R3.2	**COMBUSTION PARAMETERS**	**O_2**		**%**
R3.3		**CO_2** *(calculated)*		**%**
R3.4		**CO**		**%**
R3.5		**Excess Air**		**%**
R3.6	**Pressure at Boiler/TPH cell-out**			**mmWC**
R3.7	**Temperature at Boiler/TPH cell-out**			**º Celsius**
R4	**Component 1:** *(Air pre-heater/Water pre-heater/ Economizer/Gravity Settling Chamber/Cyclone/Scrubber/ Bag Filter/ESP)*			
R4.1	**Pressure at Component 1 outlet**			**mmWC**
R4.2	**Temperature at Component 1 outlet**			**º Celsius**
R5	**Component 2:** *(Air pre-heater/Water pre-heater/ Economizer/Gravity Settling Chamber/Cyclone/Scrubber/ Bag Filter/ESP)*			
R5.1	**Pressure at Component 2 outlet**			**mmWC**
R5.2	**Temperature at Component 2 outlet**			**º Celsius**

Comments:

R6	**Component 3:** *(Air pre-heater/Water pre-heater/ Economizer/Gravity Settling Chamber/Cyclone/Scrubber/ Bag Filter/ESP)*		
R6.1	**Pressure at Component 3 outlet**		**mmWC**
R6.2	**Temperature at Component 3 outlet**		**º Celsius**
R7	**Component 4:** *(Air pre-heater/Water pre-heater/ Economizer/Gravity Settling Chamber/Cyclone/Scrubber/ Bag Filter/ESP)*		
R7.1	**Pressure at Component 4 outlet**		**mmWC**
R7.2	**Temperature at Component 4 outlet**		**º Celsius**
R8	**Component 5:** *(Air pre-heater/Water pre-heater/ Economizer/Gravity Settling Chamber/Cyclone/Scrubber/ Bag Filter/ESP)*		
R8.1	**Pressure at Component 5 outlet**		**mmWC**
R8.2	**Temperature at Component 5 outlet**		**º Celsius**
R9	**Component 6:** *(Air pre-heater/Water pre-heater/ Economizer/Gravity Settling Chamber/Cyclone/Scrubber/ Bag Filter/ESP)*		
R9.1	**Pressure at Component 6 outlet**		**mmWC**
R9.2	**Temperature at Component 6 outlet**		**º Celsius**
R10	**Component 7:** *(Air pre-heater/Water pre-heater/ Economizer/Gravity Settling Chamber/Cyclone/Scrubber/ Bag Filter/ESP)*		
R10.1	**Pressure at Component 7 outlet**		**mmWC**
R10.2	**Temperature at Component 7 outlet**		**º Celsius**
R11	**Component 8:** *(Air pre-heater/Water pre-heater/ Economizer/Gravity Settling Chamber/Cyclone/Scrubber/Bag Filter/ESP)*		
R11.1	**Pressure at Component 8 outlet**		**mmWC**
R11.2	**Temperature at Component 8 outlet**		**º Celsius**

Comments: