

**REVISED COUNTRY PROGRAMME REPORT FORMAT (2023 DATA AND BEYOND)**

COUNTRY: Pakistan

YEAR: January to December of the year

2023

**SECTION A. ANNEX A, ANNEX B, ANNEX C - GROUP I AND ANNEX E - DATA ON CONTROLLED SUBSTANCES (METRIC TONNES)**

**NOTE: Data entry is required in UNSHADED cells only**

Substance <sup>1</sup>	Use by Sector										Import	Export	Production	Import quotas	If imports are banned, indicate date ban commenced (DD/MM/YYYY)	Remarks <sup>3</sup>	
	Aerosol	Foam	Fire Fighting	Refrigeration		Solvent	Process agent	Lab Use	Methy Bromide								TOTAL
				Manufacturing	Servicing				QPS	Non-QPS							
<b>Annex A, Group I</b>																	
CFC-11	0.00	0.00		0.00	0.00						0.00	0.00	0.00	0.00	0.00		
CFC-12	0.00	0.00		0.00	0.00						0.00	0.00	0.00	0.00	0.00		
CFC-113	0.00					0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00		
CFC-114				0.00	0.00						0.00	0.00	0.00	0.00	0.00		
CFC-115				0.00	0.00						0.00	0.00	0.00	0.00	0.00		
<b>Sub-Total</b>	<b>0.00</b>	<b>0.00</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>			<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		
<b>Annex A, Group II</b>																	
Halon-1211			0.00								0.00	0.00	0.00	0.00	0.00		
Halon-1301			0.00								0.00	0.00	0.00	0.00	0.00		
Halon-2402			0.00								0.00	0.00	0.00	0.00	0.00		
<b>Sub-Total</b>			<b>0.00</b>								<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		
<b>Annex B, Group I</b>																	
CFC-13					0.00						0.00	0.00	0.00	0.00	0.00		
<b>Sub-Total</b>					<b>0.00</b>						<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		
<b>Annex B, Group II</b>																	
Carbon tetrachloride						0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00		
<b>Sub-Total</b>						<b>0.00</b>	<b>0.00</b>	<b>0.00</b>			<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		
<b>Annex B, Group III</b>																	
Methyl chloroform						0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00		
<b>Sub-Total</b>						<b>0.00</b>	<b>0.00</b>	<b>0.00</b>			<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		
<b>Annex C, Group I</b>																	
HCFC-22	0.00	0.00	0.00	30.00	2000.21	0.00	0.00	0.00			2030.21	2030.21	0.00	0.00	2048.83		
HCFC-141b	0.00	66.00	0.00	0.00	0.00	0.00	0.00	0.00			66.00	66.00	0.00	0.00	73.41		
HCFC-141b in imported pre-blended polyol		317.47									317.47	317.47	0.00	0.00	0.00		
HCFC-142b	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00		
HCFC-123	0.00	0.00	1.00	0.00	0.00	0.00	0.00	0.00			1.00	1.00	0.00	0.00	1.00		
HCFC-124	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00		
HCFC-133	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00		
HCFC-225	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00		
HCFC-225ca	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00		
HCFC-225cb	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00		
Other <sup>2</sup>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00		
Other <sup>2</sup>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00		
<b>Subtotal</b>	<b>0.00</b>	<b>383.47</b>	<b>1.00</b>	<b>30.00</b>	<b>2000.21</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>			<b>2414.68</b>	<b>2414.68</b>	<b>0.00</b>	<b>0.00</b>	<b>2123.24</b>		
<b>Annex E</b>																	
Methyl Bromide											468.51	0.00	468.51	468.51	0.00		
<b>Subtotal</b>											<b>468.51</b>	<b>0.00</b>	<b>468.51</b>	<b>468.51</b>	<b>0.00</b>		
<b>TOTAL</b>	<b>0.00</b>	<b>383.47</b>	<b>1.00</b>	<b>30.00</b>	<b>2000.21</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>			<b>2883.19</b>	<b>2883.19</b>	<b>0.00</b>	<b>0.00</b>	<b>2123.24</b>		

<sup>1</sup> Where the data involves a blend of two or more substances, the quantities of individual components of controlled substances must be indicated separately.

<sup>2</sup> Indicate relevant controlled substances.

<sup>3</sup> Provide explanation if total sector use and consumption (import-export+production) is different (e.g, stockpiling).

**REVISED COUNTRY PROGRAMME REPORT FORMAT (2023 DATA AND BEYOND)**

COUNTRY: Pakistan

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2023

**SECTION B. ANNEX F - DATA ON CONTROLLED SUBSTANCES (METRIC TONNES)**

NOTE: Data entry is required in UNSHADED cells only

Substance	Use by Sector							TOTAL	Import	Export	Production	Manufacturing of Blends*	Import quotas	If imports are banned, indicate date ban commenced (DD/MM/YYYY)	Remarks <sup>4</sup>	
	Aerosol	Foam	Fire Fighting	Refrigeration and air-conditioning			Solvent									Other <sup>3</sup>
				Refrigeration	Manufacturing Air-conditioning	Other unidentified manufacturing <sup>5</sup>										
<b>Annex F</b>																
<b>Controlled Substances</b>																
HFC-32	0.00	0.00	0.00	0.00	535.44	0.00	0.00	0.00	0.00	535.44	535.44	0.00	0.00	0.00	So far no control regime exists on import of HFCs therefore no quota licensing system is currently in place. Information regarding accurate sectoral use of these HFCs is currently not available and sector identified under the KA need assessment survey are being considered.	
HFC-41**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
HFC-125	0.00	0.00	0.00	0.00	43.00	0.00	0.00	0.00	0.00	43.00	43.00	0.00	0.00	0.00		
HFC-134**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
HFC-134a	0.00	0.00	0.00	0.00	400.00	400.00	0.00	1007.48	0.00	1807.48	1807.48	0.00	0.00	0.00		
HFC-143**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
HFC-143a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
HFC-152**	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
HFC-152a	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
HFC-227ea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
HFC-236cb	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
HFC-236ea	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
HFC-236fa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
HFC-245ca	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
HFC-245fa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
HFC-365mfc	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
HFC-43-10mee	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
HFC-23 (use)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
<b>Sub-Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>400.00</b>	<b>978.44</b>	<b>0.00</b>	<b>1007.48</b>	<b>0.00</b>	<b>2385.92</b>	<b>2385.92</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		
<b>Blends (Mixed of Controlled Substances)<sup>1</sup></b>																
R-404A (HFC-125=44%, HFC-134a=4%, HFC-143a=52%)	0.00	0.00	0.00	0.00	0.00	13.00	14.94	0.00	0.00	27.94	27.94	0.00	0.00	0.00	Furthermore, as no dedicated PCT codes are identified to record segregated import of HFCs, therefore error and omissions are expected.	
R-407A (HFC-32=20%,HFC-125=40%,HFC-134a=40%)	0.00	0.00	0.00	0.00	0.00	13.00	10.35	0.00	0.00	23.35	23.35	0.00	0.00	0.00		
R-407C (HFC-32=23%,HFC-125=25%, HFC-134a=52%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
R-410A (HFC-32=50%, HFC-125=50%)	0.00	0.00	0.00	0.00	409.54	0.00	400.00	0.00	0.00	809.54	809.54	0.00	0.00	0.00		
R-507A (HFC-125=50%, HFC-143a=50%)	0.00	0.00	0.00	0.00	0.00	0.56	0.00	0.00	0.00	0.56	0.56	0.00	0.00	0.00		
R-508B (HFC-23=46%, PFC-116=54%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Others: <sup>2</sup>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
Others: <sup>2</sup>	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
<b>Sub-Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>409.54</b>	<b>26.56</b>	<b>425.29</b>	<b>0.00</b>	<b>0.00</b>	<b>861.39</b>	<b>861.39</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		
<b>Others</b>																
HFC-245fa in imported pre-blended polyol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Quantity of R-125 is being used for local blending of R-410A.	
HFC-365mfc in imported pre-blended polyol	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
<b>Sub-Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		
<b>TOTAL</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>400.00</b>	<b>1387.98</b>	<b>26.56</b>	<b>1432.77</b>	<b>0.00</b>	<b>3247.31</b>	<b>3247.31</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		

<sup>1</sup> When reporting HFC blends/mixtures, reporting of controlled substances should not be duplicated. For the CP report, countries should report use of individual controlled substances and quantities of blends/mixtures used, separately, while ensuring that the amounts of controlled substances are not reported more than once.

<sup>2</sup> If a non-standard blend not listed in the above table is used, please indicate the percentage of each constituent controlled substance of the blend being reported in the remarks column.

<sup>3</sup> Uses in other sectors that do not fall specifically within the listed sectors in the table.

<sup>4</sup> Provide explanation if total sector use and consumption (import-export+production) is different (e.g, stockpiling).

<sup>5</sup> Only if break-down of consumption in refrigeration and air-conditioning manufacturing is not available, information in "Other unidentified manufacturing" may be provided.

\*Tentative/best estimates.

\*\* These substances are not commonly used; please check the substance is used while reporting.

COUNTRY: Pakistan

SECTION C. AVERAGE ESTIMATED PRICE OF HCFCs, HFCs AND ALTERNATIVES (US \$/kg)

Description	Previous year price (prefilled - online submission, if available)	Current prices	Remarks <sup>1</sup>	
<b>HCFCs</b>				
HCFC-22	0.00	0.00	/	
HCFC-141b	0.00	0.00		
HCFC-142b	0.00	0.00		
HCFC-123	0.00	0.00		
HCFC-124	0.00	0.00		
HCFC-133	0.00	0.00		
HCFC-225	0.00	0.00		
HCFC-225ca	0.00	0.00		
HCFC-225cb	0.00	0.00		
HCFC-141b in imported pre-blended polyol	0.00	0.00		
<b>HFCs</b>				
HFC-23 (use)	0.00	0.00		
HFC-32	0.00	0.00		
HFC-41	0.00	0.00		
HFC-125	0.00	0.00		
HFC-134	0.00	0.00		
HFC-134a	0.00	0.00		
HFC-143	0.00	0.00		
HFC-143a	0.00	0.00		
HFC-152	0.00	0.00		
HFC-152a	0.00	0.00		
HFC-227ea	0.00	0.00		
HFC-236cb	0.00	0.00		
HFC-236ea	0.00	0.00		
HFC-236fa	0.00	0.00		
HFC-245ca	0.00	0.00		
HFC-245fa	0.00	0.00		
HFC-365mfc	0.00	0.00		
HFC-43-10mee	0.00	0.00		
HFC-245fa in imported pre-blended polyol	0.00	0.00		
HFC-365mfc in imported pre-blended polyol	0.00	0.00		
R-404A	0.00	0.00		
R-407A	0.00	0.00		
R-407C	0.00	0.00		
R-410A	0.00	0.00		
R-507A	0.00	0.00		
R-508B	0.00	0.00		
<b>Alternatives</b>				
Isobutane (HC-600a)	0.00	0.00	/	
Propane (HC-290)	0.00	0.00		
Pentane	0.00	0.00		
Cyclopentane	0.00	0.00		
Methyl formate	0.00	0.00		
Other alternatives (Optional):	0.00	0.00		
	0.00	0.00		

<sup>1</sup> Indicate whether the prices are FOB or retail prices.

**REVISED COUNTRY PROGRAMME REPORT FORMAT (2023 DATA AND BEYOND)**

COUNTRY: Pakistan

YEAR: January to December of the year

2023

**SECTION D. ANNEX F, GROUP II - DATA ON HFC-23 GENERATION (METRIC TONNES)**

**NOTE: Fill in this form only if your country generated HFC-23 from any facility that produced (manufactured) Annex C Group I or Annex F substances**

	Captured for all uses <sup>1</sup>	Captured for feedstock uses within your country <sup>2</sup>	Captured for destruction <sup>2</sup>
HFC-23 <sup>1</sup>		<b>N.A</b>	

<sup>1</sup> HFC-23 generation that is captured, whether for destruction, feedstock or any other use, shall be reported in this form

<sup>2</sup> Amounts of HFC-23 captured for destruction or feedstock use will not be counted as production as per Article 1 of the Montreal Protocol.

**REVISED COUNTRY PROGRAMME REPORT FORMAT (2023 DATA AND BEYOND)**

COUNTRY: Pakistan

YEAR: January to December of the year

2023

**SECTION E. ANNEX F, GROUP II - DATA ON HFC-23 EMISSIONS (METRIC TONNES)**

**NOTE: Fill in this form only if your country generated HFC-23 from any facility that produced (manufactured) Annex C Group I or Annex F substances**

Facility name or identifier	Total amount generated <sup>1</sup>	Amount generated and captured <sup>2</sup>			Amount used for feedstock without prior capture <sup>3</sup>	Amount destroyed without prior capture <sup>4</sup>	Amount of generated emissions	Remarks
		Columns shaded in grey are voluntary						
		For all uses	For feedstock use in your country	For destruction				
<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>		

<sup>1</sup> "Total amount generated" refers to the total amount whether captured or not. The sum of these amounts is not to be reported under Section D.

<sup>2</sup> The sums of these amounts are to be reported under Section D.

<sup>3</sup> Amount converted to other substances in the facility. The sum of these amounts is not to be reported under Section D.

<sup>4</sup> Amount destroyed in the facility.

**COUNTRY:** Pakistan

**SECTION F. COMMENTS BY BILATERAL/IMPLEMENTING AGENCIES**