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EXECUTIVE COMMITTEE OF  
THE MULTILATERAL FUND FOR THE  
IMPLEMENTATION OF THE MONTREAL PROTOCOL  
Thirty-second Meeting  
Ouagadougou, 6-8 December 2000

**DRAFT AGREEMENT ON THE PHASE-OUT STRATEGY FOR  
THE TOBACCO SECTOR IN CHINA: FOLLOW-UP TO DECISION 30/54**

**Part I**  
**Note from the Fund Secretariat**

1. At its 24<sup>th</sup> Meeting, the Executive Committee approved a request from the Government of China for the development of a tobacco sector plan for CFC-11 phase out in China (Sector Plan). UNIDO submitted a Sector Plan to the Executive Committee at its 29<sup>th</sup> Meeting (UNEP/OzL.Pro/ExCom/29/51). The Secretariat informed the Committee at that meeting that it was still discussing the costs presented in the Sector Plan. Subsequently, the Committee decided to request UNIDO to continue its discussions with the Secretariat in order to finalize the sector plan and report back to the 30<sup>th</sup> Meeting of the Committee (Decision 29/65).
2. At the 30<sup>th</sup> Meeting of the Executive Committee, UNIDO submitted a revised Sector Plan (UNEP/OzL.Pro/ExCom/30/32 and Add.1). The Government of China proposed a quota system for the implementation of the phaseout of CFC-11 consumption in the tobacco sector starting on 1 January 2001, with a complete phase out by 31 December 2006. The total incremental cost of the Sector Plan proposed for funding by the Multilateral Fund has been calculated at US \$11 million, with a cost effectiveness of US \$11.9/kg. UNIDO's support cost has been estimated at 9% of total project cost. While the Sector Plan is based on replacement of CFC-11 tobacco expansion equipment with CO<sub>2</sub>-based units, Multilateral Fund resources will be used to implement a buy-back system for CFC-11 consumption quotas. Installation of the CO<sub>2</sub>-based tobacco expansion units will be the responsibility of the Government of China through the State Tobacco Monopoly Administration.
3. The Executive Committee, having considered the comments and recommendations of the Sub-Committee on Project Review (UNEP/OzL.Pro/ExCom/30/20, paras. 97-100), decided (decision 30/54):
  - (a) To approve in principle US \$11 million for the implementation of the sector plan;
  - (b) To request UNIDO, in consultation with the Secretariat, to prepare a draft agreement between the Government of China and the Executive Committee, governing disbursement modalities, performance requirements and monitoring procedures of the sector plan for submission to the Executive Committee at its Thirty-second Meeting.
4. According to decision 30/54, UNIDO has submitted a draft agreement between the Government of China and the Executive Committee, which is contained in Part II of the present document.
5. The Government of China has also submitted the 2001 Annual Work Programme of the Tobacco Sector Plan for CFC-11 Phaseout in China for the period 1 January 2001 to 31 December 2001, for consideration by the Executive Committee at its 32nd Meeting (Part III of the present document). The Government of China is requesting US \$2 million for its implementation (US\$1.7 million for closure of CFC-11 based tobacco expansion equipment and US\$ 0.3 million for technical assistance activities).

### **Recommendation**

1. The Executive Committee may wish to consider approving the agreement contained in Part II of the present document and allocating US \$2 million for the implementation of the first year programme according to the annual work programme proposed in the Sector Plan. The Executive Committee may also wish to consider the level of the agency support costs of nine per cent requested by UNIDO.

2. The Executive Committee might also wish to consider approval of the 2001 Annual Work Programme of the Tobacco Sector Plan for CFC-11 Phaseout in China.

## Part II

### **Draft Agreement Between the Government of China and the Executive Committee on the Phase-out Strategy for the Tobacco Sector (Sector Plan) in China**

1. The Executive Committee has decided to approve in principle a total of US \$11 million for the implementation of a tobacco sector plan for CFC-11 phase out in China (Decision 30/54). By this approval, the Government of China commits, that in exchange of the funds agreed in paragraph 2 below, the consumption of CFC-11 in the tobacco industry will be completely phased out by the year 2007 according to the following schedule:

**Table 1. CFC-11 phase-out schedule for the tobacco sector (tonnes)**

Year	Amount to be phased-out	Consumption limit
2001	90	1,000
2002	120	880
2003	180	700
2004	200	500
2005	200	300
2006	150	150
2007	150	0

2. The Executive Committee agrees in principle that the funds will be provided on the basis of an annual work programme to be submitted at the first Executive Meeting of each year, in accordance with, and in the exact amounts contained in, the following schedule:

**Table 2. Annual Programme Payments (US\$ 1,000,000)**

Year	CFC-11 phaseout	Technical assistance	Total
2001	1.7	0.3	2.0
2002	1.7	0.3	2.0
2003	1.7	0.3	2.0
2004	1.7	0.1	1.8
2005	1.7	0.0	1.7
2006	1.5	0.0	1.5
Total	10.0	1.0	11.0

3. Payments indicated in Table 2 (other than the initial tranche for 2001) are conditional upon maintenance and verification of the consumption limits indicated in Table 1 and upon China meeting the other requirements of this agreement including provision of satisfactory annual progress reports and work programmes and verification of closure of CFC-based expansion lines and essential equipment disposals included in each annual programme.

4. To enable China to commence the tobacco sector phase-out programme, the Executive Committee decides at its 32<sup>nd</sup> Meeting to approve funding of US \$2.0 million for the annual work programme for year 2001.

5. The Government of China agrees:

- (a) that the funds indicated in Table 2, are the total that will be available to China to enable its full compliance with the CFC-11 reductions and consumption limits indicated in Table 1, and that no additional Multilateral Fund resources will be allocated to phase-out CFC-11 in the tobacco sector in China;
- (b) that consistent with its obligations under the Montreal Protocol, the Sector plan and this agreement, it will ensure accurate monitoring of the phase-out and, through the implementing agency, will provide annual progress reports on the implementation of the Sector Plan to the first meeting of the Executive Committee each year;
- (c) to permit and facilitate the conduct of independent technical audits administered by the implementing agency, and as may be directed by the Executive Committee, to verify that the CFC-11 phase out schedule in the tobacco sector agreed in Table 1 is being met, plants closed and equipment disposed of as indicated in annual programmes;
- (d) that if the Executive Committee meets its obligations under this agreement, but the Government of China does not meet the reduction requirements outlined in Table 1 and the other requirements outlined in this agreement, the implementing agency and the Multilateral Fund will withhold funding for the subsequent tranche of funding outlined in Table 2 until such time as the required reduction has been met;
- (e) to accept and implement the remedial actions specified in the Sector Plan, including: withdrawal of quotas, conditional release of funds, reductions in annual programme funding and return of funds to the Multilateral Fund, in the event of failure to meet the CFC-11 reduction targets or other performance indicators;
- (f) in particular, that if the CFC-consumption limit in any year is not met, the following years' annual programme will contain remedial action to ensure that the combined two-year CFC consumption limit is met. If the CFC consumption limits for the two-year period cannot be met, funds for annual programmes in the following years may be reduced.

6. The Executive Committee wishes to provide China with maximum flexibility in using the agreed funds to meet the reduction requirements agreed in Table 1 above. The Executive Committee is of the understanding that during implementation, as long as it is otherwise consistent with this agreement, the funds provided to China pursuant to this agreement may be used in any manner that China believes will achieve the smoothest possible CFC-11 phase out.

7. UNIDO has agreed to be the implementing agency for this project at a fee of nine per cent of the project funds allocated in accordance with the provisions of this agreement.
8. As implementing agency, UNIDO agrees to be responsible for:
  - (a) assisting China in the preparation of each annual work programme;
  - (b) reviewing annual work programmes, interacting with SEPA, PMO and STMA and, if found acceptable submitting each year's annual work programme to the Executive Committee on behalf of SEPA;
  - (c) establishing working and reporting arrangements with SEPA and/or STMA;
  - (d) verifying that the conditions under which budgeted funds are released in each annual programme are accomplished and releasing of the funds to a special ODS account established by SEPA;
  - (e) participating in the selection of consultants for the technical assistance and endorsing candidates selected;
  - (f) having access to bidding for proposals and participating as an observer in the technical and financial evaluation of these proposals conducted by STMA;
  - (g) conducting all necessary audits and verifications, including:
    - (i) verifying that the phase-out targets and project activities have been met;
    - (ii) verifying the dismantling of CFC-11 tobacco expansion lines and the destruction of CFC-based essential expansion equipment;
    - (iii) ensuring that independent audits of the implementation of each annual programme and a financial audit of the ODS phaseout are undertaken by appropriate independent experts; and
  - (h) reporting to the Executive Committee on implementation progress.

**Part III**

**TOBACCO SECTOR PLAN FOR CFC-11  
PHASEOUT IN CHINA**

**ANNUAL PROGRAMME FOR THE YEAR 2001**

August 2000



## Introduction

The tobacco Sector Plan for the phase-out of CFC-11 in China was in principle approved by the Executive Committee of Montreal Protocol Multilateral Fund at its 30<sup>th</sup> meeting, which was held during March 29-31, 2000 with a total of US\$ 11 million for phasing-out 1,090 tonnes of ODP.

If the present Annual Programme is approved, the phase-out activities, which will start on January 1, 2001 and will end on December 31, 2006, are the following:

Year	2001	2002	2003	2004	2005	2006	2007	Total
CFC-11 phased-out (t)	90	120	180	200	200	150	150	1,090
CFC-11 consumption (t) at the end of year	1000	880	700	500	300	150	0	
Grant Fund( Million )	2.00	2.00	2.00	1.80	1.70	1.50	0	11.00

### A. Annual Programme for the Year 2001

#### Duration.

Each Annual Programme covers 12 months and starts on January 1. The first Annual Programme will start on January 1, 2001 and will end on December 31, 2001.

#### Objective of the Annual Programme for the Year 2001:

The objective of the Annual Programme for the year 2001 is to phase-out a minimum of 90 Tons of CFC-11 used by the Tobacco sector in China. Overall consumption of CFC-11 at 31 December 2001 will be 1000 tons on a yearly basis.

The second objective is to prepare the necessary conditions for an early phase-out of 120 more tons due at the end of the year 2002.

#### Funds requested

The Government of China is hereby requesting, in accordance with the Tobacco Sector Plan, the amount of US\$ 2 million, out of which US\$1.7 million will be directed to compensate the closure of the existing CFC-11 lines and US\$ 0.3 million will be allocated to technical assistance.

### B. Activities in the Year 2001

Activities to be undertaken during the year 2001 are classified as follows:

- Activities at sector level
- Activities at enterprise level
- Policy
- Technical assistance to implement the above activities
- Remedial actions if needed

## C.1 Activities at sector level

Activities at Sector level	Start	Ends
<b>Management tools:</b> Development and implementation of a complete management system to monitor consumption, phase-out, equipment purchases and supply of expanded tobacco at enterprises level. Details of activities are given in the technical assistance table	January	July
<b>Information:</b> Dissemination among decision makers at enterprise level of ozone issues, China's Strategy Plan to Phase-out CFC-11, quota licensing system, phase-out schedule, bidding mechanisms for quota surrendering and bid submissions, CFC-11 equipment closure contracts, equipment disposals, audit mechanisms, disbursements for closures, expanded tobacco transportation studies, alternative equipment and suppliers, etc; Details of activities are given in the technical assistance table	January	June
<b>Quota licensing:</b> The Government of China will issue a Notice on Implementation of CFC-11 Consumption Quota Licensing System in the Tobacco Sector in 2001. A notice on consumption quota will be issued after the Annual Programme for the Year 2001 is approved. CFC-11 consumption for the 73 tobacco expansion units given in annexe 1, will be regulated according to their quota. The non-qualifying enterprises will get quotas valid until December 2006	January	January
<b>CFC-11 Phase-out system:</b> The 56 qualifying enterprises will be allowed to bid for surrendering their quota. The public bid will be organized in February 2001. The number of CFC-11 lines to be dismantled in 2001 will be the necessary to achieve at least the reduction target of 90 tons in 2001. Nevertheless, closure mechanisms will be initiated in view of the 2002 reduction target.	February	February
<b>Optimization of expanded tobacco transportation costs:</b> Since expanded tobacco production will be concentrated in few enterprises but used by many individual enterprises, this study propose the best technical and economical solutions to minimize cost. Details of activities are given in the technical assistance table	January	Will continue in 2002

## C.2 Activities at enterprise level

Activities at enterprise level	Start	Ends
<b>ODS Phase-out contract signature:</b> The Enterprises offering the lowest surrendering costs will sign a contract with SEPA/STMA for the closure/dismantling of the CFC-11 equipment before 31 December 2001. The contract will specify mechanisms for monitoring, control and certification of disposal of essential equipment and the schedule of disbursements which will be as follows: <ul style="list-style-type: none"> <li>• 30% at the signature of the contract</li> <li>• 70% after dismantling report approval and SEPA's certification of disposal of essential parts of the equipment</li> </ul>	March	March
<b>Funds transfer:</b> Based on the Phase-out contracts signed with the qualifying enterprises, UNIDO will transfer 50% of the closure/compensation approved funds for the year 2001 (US\$ 1.7 million) to SEPA's ODS Bank account	April	April
<b>Closure/dismantling report:</b> A detailed closure/dismantling reports including photographs and video will be prepared and signed	April	December
<b>Funds transfer:</b> Based on the closure/dismantling reports certified by SEPA, UNIDO will transfer the remaining closure/compensation approved funds for the year 2001 (US\$ 1.7 million) to SEPA's ODS Bank account	April	December
<b>Reduction of CFC-11 consumption of existing tobacco expansion equipment:</b> It is found out, that CFC-11 tobacco expansion equipment in many tobacco factories currently consumes too much CFC-11. Therefore a special training programme described in the TA activities will focus on training on proper management of the existing CFC-11 equipment in order to minimize	January	December

Activities at enterprise level	Start	Ends
consumption. Details of activities are given in the technical assistance table		

### C.3 Policy activities

	Starts	End
<b>Quota licensing:</b> The Government of China will issue a Notice on Implementation of CFC-11 Consumption Quota Licensing System in the Tobacco Sector in 2001. A notice on consumption quota will be issued after the Annual Programme for the Year 2001 is approved. CFC-11 consumption for the 73 tobacco expansion units given in annexe 1, will be regulated according to their quota. The non-qualifying enterprises will get quotas valid until December 2006	January	January
<b>Management system for trade:</b> A declaration banning the import of CFC-11 expanded tobacco and cigarettes produced with CFC-11 expanded tobacco will be issued. A declaration system governing export of expanded tobacco and cigarettes produced with CGC-11 will be enforced	June	

### C.4 Technical Assistance activities

	Activities	Starts	Ends	Cost (US\$)
Funds transfer	UNIDO will transfer 50% of TA activities funds and the rest of funds will be transferred according to performance and submission of final reports	January	Dec	
Awareness and training	Compilation and production of training and campaign materials	January	June	8,000
	Three day training workshop on CFC-11 quota system, related policies, operation procedure of the sector plan. 150 participants from nationwide tobacco companies	January	Feb	22,000
	Three days training workshop on policies related to the sector plan. 60 Officers from local related agencies	January	March	9,000
	Two days training on CFC line disposal directed to 60 participants from enterprises which shall dismantle their CFC lines in 2001	March	Sept	6,000
	Two days training workshop on the implementation of the sector plan and capability strengthening to 30 of members of tobacco sector (to be organized by SEPA and STMA)	March	Sept	3,000
	Subtotal			48,000
Management Information System	Three two days workshops on the development of MIS for 15 participants each	January	Sept	9,000
	Developing and debugging of MIS including hardware and software	January	March	63,000
	Two-days training of MIS users.	March	Dec	3,000
	Contingency			5,000
	Subtotal			80,000
Assistance to Tobacco Companies to reduce CFC-11 consumption	Consultants fees	May	Dec	15,000
	DSA of Consultants and local experts			11,000
	Travel	May	Dec	9,000
	Subtotal			35,000
Optimization of expanded tobacco transport	Data collection, software development/adaptation and computerized analysis	May	Dec	30,000
	Raw materials purchase for live tests	May	Dec	40,000
	Design and manufacture of transport prototypes	May	Dec	80,000
	Three months Consultants	May	Dec	30,000
	DSA and travel of consultants and local experts	May		10,000
	Miscellaneous			10,000
	Subtotal (US\$ 137,000 to be disbursed in 2001 and US\$ 63,000 in 2002)			200,000
Total			300,000	

## D. ALLOCATION OF RESOURCES

### Programme activities and costs in thousand US\$

Phasing out CFC-11	Components	Cost in US\$
Activities at early stage	Setting up a CFC-11 consumption quota licensing system in the tobacco sector; Issuing consumption quota.	
Closure of CFC-11 equipment	Phasing-out 90 tons of CFC-11 consumption quota; Dismantling a number of sets of CFC-11 equipment selected through a bidding system to phase out 90 tons of CFC-11; Preparing completion reports after disposal of the equipment.	1700
Subtotal		<b>1700</b>
<b>Technical Assistance Activities</b>		
Training, information and awareness	Preparing training and campaign materials and conduct training seminars for related enterprises.	48
Management Information System	Procuring equipment, software development and set up of the system	80
Study on expanded tobacco transportation and production system	Expertise, study tours and procurement of tobacco expansion equipment (will continue in 2002)	137
Reduction of CFC-11 consumption of existing tobacco equipment	Expertise and training to reduce CFC-11 consumption at enterprise level	35
Subtotal		<b>300</b>
<b>a) Total</b>		<b>2000</b>

## E. PERFORMANCE INDICATORS

CFC-11 Phaseout Target			
At the beginning of the Annual Programme (ODP tons)	Phase-out target in 2001 (ODP tons)	At the End of the Annual Programme (ODP tons)	Performance Indicators
1090	90	1000	1. National consumption level and residual users' consumption level; and 2. Audit report.
<b>Policy Enforcement</b>			
Policy Measures		Performance Indicators	
CFC-11 Consumption Quota Licensing System in Tobacco Sector in China		System established and enforced	
Management system for trade		System established and enforced	
<b>Activities at Enterprise Level</b>			
Activity	Existing Lines	Lines to be closed	Performance indicator
To close CFC-11 expansion equipment	73	To be selected through a bidding process.	3. To sign contract on production line closure; 4. To complete production line closure project; and 5. To dismantle equipment and complete Project Completion Report.
<b>b) Technical Assistance Activities</b>			
1 Training and awareness	To determine the date of training and prepare campaign materials.		
2 Development of Management Information System	6. Date to sign contract with TA undertaker; and 7. Date to complete specific items according to contract.		
3 Study on expanded tobacco transportation	8. Study report and system fully tested		
4 Reduction of CFC-11 consumption of existing tobacco expansion equipment	Experts complete technical report and performance report of related enterprises.		

Annex 1: Data on CFC-11 consumption at Enterprises Level in China's Tobacco Sector

No	Name	Consumption of CFC-11(tons)					Installation		Production of Expanded Tobacco (tons)					Price of Tobacco (RMB/kg)				Expanded Rate(%)					
		95	96	97	98	(99)	Set	Date	95	96	97	98	(99)	95	96	97	98	(99)	95	96	97	98	(99)
1	Zheng Zhou	31.0	29.6	11.8	15.9	14.4	1	93-5	322	348	374	413	467		18.7	18.7	20.0	20.0	58	58	59	58	59
				11.8	15.9	14.4	1	93-5	322	348	374	413	467		18.7	18.7	20.0	20.0	58	58	59	58	59
				11.8	15.9	14.4	1	93-5	322	348	374	413	467		18.7	18.7	20.0	20.0	58	58	59	58	59
2	Zhu Ma Dian	19.6	24.5	41.0	26.0	36.0	1	92-12	476	682	952	777	777	10.0	16.3	16.3	16.3	16.3	67	67	67	67	67
3	Luo Yang			7.6	11.9	12.3	1	96-12			171	297	322		6.0	6.0	6.0	6.0			70	64	70
				3.9	11.9	12.3	1	96-12			85	297	322		6.0	6.0	6.0	6.0			70	64	70
4	An Yang	0.0	2.5	9.7	18.9	29.0	1	95-9		34	397	309	486		6.5	10.7	15.0	15.0		70	70	70	70
						29.0	1	97-10					486				15.0	15.0			70	70	70
5	Luo He	11.0	30.0	12.5	10.0	15.0	1	94-10	125	357	304	410	500	15.0	15.6	15.2	14.5	14.3	50	70	70	70	70
				12.5	10.0	15.0	1	94-10	125	357	304	410	500	15.0	15.6	15.2	14.5	14.3	50	70	70	70	70
6	Nu Zhou	5.9	5.0	9.2	16.3	15.2	1	94-9	198	170	338	303	293	6.3	9.8	10.1	9.9	9.9	75	75	75	75	75
7	Kai Feng	9.6	10.9	6.0	3.0	3.0	1	92-8	275	276	164	54	90	10.0	10.0	10.0	10.0	10.0	65	65	67	70	70
8	Shao Guan	27.4	38.5	34.0	31.0	42.0	1	91-12	451	626	735	700	1000						75	76	78	78	80
							1	94-9															
9	Nan Xiong	0.0	5.3	12.6	12.9	13.3	1	95-6		121	305	313	320		13.8	14.2	14.6	14.6		77	76	76	76
10	Zhan Jiang	17.0	20.6	23.2	22.7	21.0	1	93-12	376	438	341	369	497	11.7	11.7	11.7	11.7	18.5	73	73	73	74	74
						9.3	1	98-8					250					18.9					74
11	Lian Jiang	0.0	1.0	5.0	2.7	4.7	1	95-6		42	185	103	180		12.1	11.9	11.8	11.8		70	70	70	70
12	Hai Nan	0.0	0.0	4.6	11.5	15.0	1	92-9			91	299	400			26.6	14.5	20.5			70	70	70
13	Meng Zhou	14.6	18.7	25.5	16.2	21.9	1	93-10	397	470	425	420	407	9.7	10.1	11.3	13.1	13.5	75	75	72	75	76
14	Nan Hai	0.6	8.8	12.2	14.2	14.6	1	92-3	10	153	275	372	384	7.9	7.9	9.2	6.1	7.0	60	60	60	60	60
15	Gui Yang	217.0	261.8	172.5	149.3	160.0	2	92-10	1961	2314	1879	1878	2146		15.6	16.1	15.7	14.7				60	57
16	Gui Ding	0.0	0.0	3.6	29.0	32.0	1	96-10			51	380	400			8.5	8.5	8.5				57	64
17	Gui Ding 2	2.4	6.6	14.4	15.3	15.0	1	92-9	66	245	323	348	350	13.3	14.3	12.0	12.9	13.4	60	65	68	70	70
18	Tong Nen	14.5	29.0	6.3		15.0	1	91-8	224	388	3		225	8.1	13.0	12.6		11.8	72	69	72	72	68
19	Zhun Yi	0.0	0.0	19.0	33.7	32.7	1	96-8			254	577	566			15.0	15.0	15.0				70	70
20	Bi Jie	8.4	0.0	5.2	18.0	18.0	1	93-10	255			158	545				19.5	19.5	84				85
21	Wu Han	41.7	48.0	43.0			1	92-4	311	368	612			7.0	7.2				49	49	49		
22	Li Chuan	6.1	1.4	25.0		2.4	1	92-4	203	254	335		32	15.0	15.0	15.0	15.0		70	70	70		70
23	Zhao Yang	0.0	7.6	21.8	23.0	13.0	1	92-3		162	387	427	189		11.1	5.4	4.2	4.2					
24	Hong An	6.7	7.0	12.0	18.0	19.0	1	92-3	62	167	250	190	200	16.4	16.4	16.4	16.4	16.4	63	65	65	65	66
25	Guang Shui	5.9	1.2	2.6	6.2	6.2	1	92-6	14	18	32	68	77						60	60	64	65	65
26	Dang Yang	12.3	19.1	16.9	12.6	13.9	1	92-9	298	407	310	362	310	5.0	5.5	6.0	6.5	7.0	62	61	51	47	52
27	Xiang Fan	11.5	20.3	23.0	28.1	28.0	1	92-3	260	356	322	274	285						56	57	48	47	50
28	Xian Nin	5.6	6.2	6.4	9.8	11.1	1	93-2	170	172	168	234	273	17.5	17.5	17.5	17.5	17.0	70	70	70	72	72
30	He Fei	0.0	0.0	5.2	13.0	13.5	1	96-12	0	0	128	213	220			10.0	10.0	11.0				85	85
31	Hu Yang	0.0	0.0	0.0	7.0	15.0	1	97-10	0	0	0	150	330				7.0	8.0					65
32	Ben Bu	28.0	27.5	20.5			1	92-12	870	890	700			8.0	8.0	8.0			66	68	70		
33	Wu Hu	0.0	0.0	5.0	15.0	6.0	1	96-12	0	0	87	432	110			8.0	7.0	10.0				51	51
				3.0	15.0	4.0	1	96-12	0	0	43	432	66			8.0	7.0	10.0				51	51
34	Xia Men	14.0	24.0	24.0	15.5	14.0	1	92-4	250	483	510	488	540			20.6	20.7	20.7	75	74	73	70	70
				9.0	15.5	14.0	1	96-7	0	0	179	489	540			20.6	20.7	20.7				73	70
35	Long Yan	20.3	42.0	24.3	20.0	20.0	1	92-9	48	279	397	388	500	15.8	21.6	15.3	11.2	13.4	70	70	70	70	70
				23.3	13.8	20.0	1	95-3	0	104	180	178	200		21.6	15.3	11.2	13.4	70	70	70	70	70
36	Shi Jia Zhang	0.0	0.0	6.5	13.8	20.0	1	92-4	0	0	92	285	362			15.0	15.0	15.0				50	60
37	Zhang Jia Kou	139.7	87.6	67.3	37.7		3	91-6		1145	880	545				8.7							
29	Beijing	15.6	10.8	11.8	9.9	12.1	1	90-4	455	425	411	465	566	13.8	13.9	18.3	18.5	19.0	72	72	72	72	72
48	Tianjing	21.0	19.2	31.0	17.5	5.0	1	92-6	430	399	636	471	120	10.0	10.0	10.0	10.0	10.0	78	78	79	78	78
56	Chang Chun			5.8	0.0	0.0	2	85-1	203	195	226	0	0									70	70
54	Yan Ji			9.0	20.0	21.0	1	92-1	0	0	225	483	520			14.5	14.5	14.5				55	55
43	Si Ping			0.9	6.8	6.0	1	92-2	0	0	13	78	78			5.5	6.2	5.5				72	70
46	Haerbing	38.0	14.6	14.1	8.1	10.0	1	92-1	60	175	168	63	125	6.1	9.8	13.1	13.5	13.0	55	55	55	55	55
47	Sheng Yang			0.0	0.0	3.0	1	92-9	0	0	0	0	105				10.0						70
38	Hai Yin	10.5	4.8	0.0	0.0	6.2	1	90-12	201	110	0	0	0	14.2	14.5	0.0	0.0	17.0	72	68	0	0	70
39	Xu Zhou	6.0	6.0	25.0	21.0	24.0	1	91-1	140	144	430	396	475			17.0	17.0	17.0				70	70
40	Chen Du	0.0	1.5	6.8			1	96-5	0	0	150												
41	Mian Yang	0.0	0.0	4.7			1	95-11	0	0	174												
42	Chong Qing	0.0	0.2	8.5	1.5		1	92-10	18	12	40	6		22.6	23.8	22.6	12.7		60	60	60	60	
44	Huhehaote	0.0	2.8	26.0	13.1	20.0	1	92-11	0	0	396	317	355							60	65	68	
45	Wulanbato			0.0	0.0	4.0	1	97-10	0	0	0	0	126					8.4					68
49	Lan Zhou			0.8</																			

No	Name	Consumption of CFC-11(tons)					Installation		Production of Expanded Tobacco (tons)					Price of Tobacco (RMB/kg)					Expanded Rate(%)					
53	Xin Jiang	6.2	13.5	21.5		25.0	1	92-10		440	387	368	757	12.6	12.8	11.5	12.1	16.3			80	80	80	80
50	Liou Zhou	4.6	17.7	16.2	15.1	14.0	1	92-10	0	244	279	270	270	12.0	12.0	12.0	12.0			70	70	70	70	
51	Nan Chang	3.0	20.0	20.0	11.9	14.0	1	92-10	0	244	279	270	270	12.0	12.0	12.0	12.0			70	70	70	70	
52	Hang Zhou	27.9	70.4	22.3	30.2	22.8	1	87-10	658	1104	566	772	583	21.4	22.9	19.9	21.3	95	91	89	92	86		
				22.3	30.2	22.8	1	90-8	658	1104	566	772	583	21.4	22.9	19.9	19.9	21.3	95	91	89	92	86	
57	Xiamen Huamei			11.3	11.5	12.5	1		215	227	184	215					22.5	55	60	66	66			
58	Shengzheng			15.1	16.0	19.0	1	90-5	175	198	216	259	320	15.6	16.3	17.2	17.0	16.5	75	75	75	72	70	
Total/Average		803	966	1090	1003	1103	73		11603	17297	19622	20800	23035	12.7	14.2	13.6	13.1	14.2	67	68	66	66	68	