#### Chapter 3. Constraints

As presented in the previous chapter, gross enrollment rates (GERs) and net enrollment rates (NERs) at all the levels of education are very low in Tete province. Even in primary education, GER was barely 50% and NER was less than 30% in1997. The enrollment rates were even lower in secondary education at about 5% for GER and less than 2% for NER and virtually nil in professional/technical education. MINED recognizes limited access, low quality and cost of improvement to be three major obstacles to educational development in the Country. These problems are all present and even more acute in the northern and central provinces including Tete than the southern provinces. There are also issues associated with the cultural and societal conditions, which may influence the collective attitude toward education in the target region. In this chapter, factors and constraints considered to be particularly significant in Tete province and the Study Area are identified and discussed.

### 3.1. Societal Factors

Aside from the three problems associated with access, quality and cost of education, there are factors embedded in the fabric of society. Coupled with poverty, those factors make the society less conducive to rapid and drastic change in educational conditions. They are likely to impede implementation and development of any measure for educational improvement and expansion in Tete province and the Study Area. Such factors associated with the social background, including culture and tradition, are referred to below.

# 3.1.1. Low educational level and low literacy of the local adult population

Due to the civil war, the people in Tete province and the Study Area as in other areas of the Country were long denied of educational opportunities. As presented in Chapter 2, the level of schooling that most adults have is still minimal. The majority of the adult population in Tete province is without formal education (84% as of 1997), and even those who attend school rarely complete their education. As of 1997, the percentage of the provincial adult population who had completed primary education was less than 14%, and those who had finished secondary education constituted mere 2%. Consequently, the adult literacy was still very low at about 30% in Tete province.

#### 3.1.2. Low perceived value of education

For children to be motivated to attend school, both physical and mental support from their families and their communities is essential. However, children have been long regarded as indispensable labor force especially in remote and rural villages where economic activities are still bare minimum and job opportunities after schooling are scarce. In such

areas, education is not necessarily perceived by community members as something valuable or worth investing in for returns in the future that do not appear tangible. Such may be the case with Tete province and the Study Area. Without the perceived value, neither children's caretakers nor their communities as a whole are likely to provide encouragement and cooperation for children's education.

### 3.1.3. Societal force against women's education

It is speculated that still pervasive in the Country, particularly in rural provinces such as Tete, are social mores, tacitly expected of and imposed on women. Traditionally, women are expected to engage in domestic work from an early age, marry early, bear and raise children, tend domestic affairs, and stay in their communities all through their lives. Women with education or professional careers may be accepted but not readily approved of. To many parents, giving their daughters an education is not a priority, especially when their economic means are limited. To the collective mindset of society as a whole, providing educational opportunities for women, thereby giving them chances of jobs and career options outside their families and communities, is yet to be perceived as something to be promoted. This social pressure against women's education and the sanctions that go with it are considered to be strong even today, especially in remote, rural areas.

### 3.2. Limited Access

#### 3.2.1. Lack of schools

# (1) Lack of primary schools

The number of EP1 schools in the Study Area steadily increased from 218 in 1995 to 337 in 1999 at an annual rate of 6.4% to 18.7%. Still, the Study Area's share of EP1 schools in the province remained below 60%. On the other hand, the number of classrooms at EP1 schools in the Study Area did not increase proportionally. In 1999, there were only 1,008 classrooms for 122,974 students enrolled at EP1 schools in the Study Area. The classroom-to-student ratio was 1:122, which was higher than the provincial average at 1:113. The lack of classrooms was most acute in Tete city, Angonia and Moatize, where there were 188, 153 and 111 students, respectively, per classroom.

Because of the lack of classrooms, many EP1 schools in the Study Area, especially in urban areas of Angonia, Moatize and Tetecity, operate on three shifts as in other populated areas of the Country. That is, classes are taught three times a day with different groups of students to accommodate too many students for limited numbers of classrooms and teachers. This multiple shift system not only imposes undue physical and mental stress on teachers but also limits school hours for students to attend everyday. In addition, the available data suggest that still many EP1 schools in the province as well as in the Study

Area, especially in remote, rural areas, are makeshift one-classroom schools, which may be open in one year but closed in the next.

Compared to EP1 schools, there are disproportionately few second level (EP2) primary schools. As of 1999, there were only 18 EP2 schools in the Study Area, and even Tete city, the most populated district in the area, had only four EP2 schools. In contrast to EP1 schools, the growth of the number of EP2 schools has been staggering. Even though the number of EP2 schools doubled in Tete province and the Study Area from 1995 to 1997, the rate of increase dropped drastically from 1997 to 1999. The disparity between EP1 schools and EP2 schools, however, may not be surprising, considering that the Government's priority in educational development is to expand and improve EP1 education.

In addition, probably still a considerable portion of the EP1 schools in the Study Area offer only part of the first five grades (e.g., grade 1 only, grade 1-2 only and grade 1-4). In fact, such partial EP1 schools have outnumbered those that offer full five grades. As of 1996, 64.5% of the entire EP1 schools in Tete province were partial schools, in which almost 40% of the EP1 students were enrolled (Table 1.37).

		EP1 e	nrollment at	full/pa	rtial school	s
Region	Province	Total	Full	%	Partial	%
North	Cabo Delgado	103,588	67,889	65.5	35699	34.5
	Nampula	227,595	120,285	52.9	107310	47.1
	Niassa	63,241	40570	64,2	22,671	35.8
Central	Manica	81,919	68,960	84.2	12,959	15.8
	Sofala	94,226	81,009	86.0	13,217	14.0
	Tete	116,805	70,675	60.5	46,130	39.5
	Zambezia	318,699	171,070	53.7	147,629	46.3
South	Gaza	162,800	122,257	75.1	40,543	24.9
	Inhambane	142,090	119,154	83.9	22,936	16,1
	Maputo	118,149	108,392	91.7	9,757	8.3
	Maputo City	144,845	144,748	99.9	97	0.1
М	ozambique	1,573,957	1,115,009	70.8	458,948	29.2
North	ern provinces	394,424	228,744	58.0	165,680	42.0
Cen	ral provinces	611,649	391,714	64.0	219,935	36.0
South	nern provinces	567,884	494,551	87.1	73,333	12.9

 Table 1.37. Enrollment at Full and Partial EP1 Schools by Province, 1996

Source: MINED, Educational Indicators, Primary Education, 1997.

As for complete primary schools that offer all the seven grades in primary education, their number is even smaller. The percentage of complete schools in Tete was around only 4% from 1997 through 1999 (Table 1.38). In 2000, still only 32 out of the total of 641 primary schools, i.e., 5.0%, were complete schools.

	1997	(%)	1998	(%)	1999	(%)	2000	(%)
Complete	17	(3.7)	24	(4.6)	24	(4.0)	32	(5.0)
Incomplete	443	(96.3)	495	(95.4)	569	(96.0)	609	(95.0)
Total	460		519		593		641	

Table 1.38. Number of Complete Primary Schools in Tete, 1997-2000

Source: Tete Provincial Directorate of Education, 2000.

## (2) Lack of secondary schools and training schools

The number of secondary (ESG1 and ESG2), and training schools is even more limited. As of 1999, in the Study Area there were five ESG1 and one ESG2 schools, two basic level and one middle level professional/technical schools, and one teacher-training school. As in the case of EP2 schools, the number of secondary and training schools has remained at low levels in the past several years. In 1995 there were nine secondary schools in 1995 (eight ESG1 and one ESG2), but in 1999 the number of secondary schools was still only 11 (nine ESG1 and two ESG2). As for training schools in the province, between 1995 and 1998 the number of schools remained the same at five though two more schools have opened since then (IMAP in 1999 and Dom Bosco Professional School in 2001).

# 3.2.2. Imbalance between urban and rural areas

The Study Area's share of student enrollments in the province increases with the level of education: from 61.0% at EP1 to 65.8% at EP2, 77.2% at ESG1, and then to 98.1% at ESG2 in formal education as of 1999. This is simply because the number of schools beyond EP1 is extremely limited and concentrated in urban areas, namely in Angonia, Moatize and Tete city. Thus, it is speculated that many children in rural areas, no matter how willing they are to go on to higher levels of education, are discouraged from doing so.

Schools are particularly dispersed over a wide area in Chifunde, Chiuta and Macanga of the Study Area, whose population density is under 10 per  $\text{km}^2$  (Table 1.39/cf. also Appendix 3). For instance, there is only one EP1 school per 466km<sup>2</sup> in Chifunde, the least populated district in the Study Area. On the other hand, Anggonia and Tete city, two most populated areas, have an EP1 school in every 14km<sup>2</sup> and 30km<sup>2</sup>, respectively.

Beyond EP1, the dispersion of schools becomes much greater in rural districts. Secondary schools are not found in Chifunde, Chiuta, Macanga, and Tsangano. Therefore, for children in these districts to attend secondary schools, they must either commute to schools in Angonia, Moatize or Tete city or move to one of the three districts with secondary schools.

	Province	Angonia	Chifunde	Chiuta	Macanga	Moatize	Tsangano	Tete city
Area (km <sup>2</sup> )	100,800	3,427	9,326	6,887	7,340	8,879	3,439	300
Pop. dens. $\dagger$ (/km <sup>2</sup> )	11.4	72.4	5.2	7.3	6.3	12.3	31.0	339.8
EP1 schools	605	115	20	43	38	52	48	21
Dispersion (km <sup>2</sup> )*	167	30	466	160	193	171	72	14
Classrooms	1,787	206	49	100	119	257	140	137
Classrooms/sch.	3.0	1.8	2.5	2.3	3.1	4.9	2.9	6.5
EP2 schools	31	6	1	1	1	3	2	4
Dispersion (km <sup>2</sup> )*	3,252	571	9,326	6,887	7,340	2,960	1,720	75
ESG1 schools	9	3	0	0	0	1	0	1
Dispersion (km <sup>2</sup> )*	11,200	1,142	n.a.	n.a.	n.a.	8,879	n.a.	300
ESG2 schools	2	0	0	0	0	0	0	1
Dispersion (km <sup>2</sup> )*	50,400	n.a.	n.a.	n.a.	<b>n.a</b> .	n.a.	n.a.	300
Other‡	7	2	0	0	0	1	0	2

Table 1.39. School Dispersion in Tete Province and the Study Area, 1999

\* Average land area in which one school is found / † Population based on 1997 census / ‡ Including professional/technical, teacher training and agricultural training, schools / Sources: 1997 Census, Tete Province and Mozambique, 1999; Tete Provincial Directorate of Education, 2000.

# 3.2.3. Lack of educational opportunities for women

Women have much more limited access to educational opportunities in the Country, particularly in the northern and central provinces including Tete. As of 1999, there were 225,170 students enrolled in primary and secondary education in Tete, of whom about 71% were male and 29% female. This disparity is also evident in the Study Area (Table 1.40).

Enrollment*	Province	Angonia	Chifunde	Chiuta	Macanga	Moatize	<b>Tsangan</b> o	Tete city
EP1 (1999)	201,698	31,520	4,404	6,567	11,096	28,609	15,041	25,737
Male (%)	70.2	68.6	71.9	72.9	68.9	70.1	69.0	67.6
Fenale (%)	29.8	31.4	28.1	27.1	31.1	29.9	31.0	32.4
EP2 (1999)	15,991	2,116	102	242	216	2,031	287	5,531
Male (%)	74.0	74.7	88.2	83.9	81.9	73.5	81.2	68.6
Female (%)	26.0	25.3	11.8	16.1	18.1	26.5	18.8	31.4
ESG1 (1999)	6,690	1,187	0	0	0	325	0	3,656
Male (%)	73.6	78.7	n.a.	n.a.	n.a.	74.5	n.a.	69.5
Female (%)	26.4	21.3	n.a.	n.a.	<b>n.a</b> .	25.5	n.a.	30.5
ESG2 (1999)	791	0	0	0	0	0	0	776
Male (%)	73.7	n.a.	<b>n.a</b> .	n.a.	n.a.	n.a.	п.а.	73.6
Female (%)	26.3	n.a.	n.a.	n.a.	<u>n.a</u> .	n.a.	<b>n.a</b> .	26.4
Prof./tech. (2001)	2,101	0	0	0	0	100	0	1,789
Male (%)	n.a.	n.a.	n.a.	n.a.	п.а.	93.0	<b>n.a</b> .	82.8
Female (%)	n.a.	n.a.	n.a.	n.a.	<b>n.a</b> .	7.0	n.a.	17.2
IMAP (2001)	143	143	0	0	0	0	0	0
Male (%)	57.3	57.3	n.a.	n.a.	n.a.	<b>D.2</b> ,	<b>n.a</b> .	n.a.
Female (%)	42.7	42.7	n.a.	n.a.	<b>n.a</b> .	n.a.	<b>n.a</b> .	<b>n.a</b> .

Table 1.40. School Enrollment and Gender Composition in the Study Area

\*At the beginning of academic year / Source: Tete Provincial Directorate of Education, 2000,

Despite the steady rise in province-wide school enrollment at all the levels of education in recent years, the percentage of female students has remained low. Of the 122,974 students enrolled at EP1 schools in the Study Area in 1999, only 30.6% were female. Low enrollment of female students is even more marked in EP2 and professional/technical education. The gender composition of EP2 enrollment (71.9% male and 28.1% female) does not differ greatly from that of EP1 enrollment in the Study Area. However, the percentage of female EP2 students falls below 20% in four of the seven districts in the Study Area, namely Chifunde, Chiuta, Macanga, and Tsangano in 1999. As for professional/technical schools, the female student enrollment accounted for only 17.2% at the three basic level schools in Tete city, and mere 7.0% at the middle level school in Moatize.

# 3.2.4. Low quality

# (1) Low levels of educational attainment

The EP1 grade pass rate in the Study Area increased to mid 60% in 1999 from high 50% for the previous few years (cf. Appendix 1). Still, the Study Area's pass rate was constantly lower, however slightly, than the provincial pass rate during the period except for 1998, and over 30 out of 100 students failed to pass their grades. On the other hand, the EP1 repetition rate in the Study Area was generally lower than the provincial repetition rate.

Only a very small portion of students completes EP1 education within five years. According to MINED, the national EP1 graduation rate was less than 7%, and the rate in Tete province was slightly higher at 8.6% in 1994. It appears that the EP1 graduation rate has been improving in recent years, for the rate is said to have increased to about 25% by or around 1998. The data provided by Tete Provincial Directorate of Education suggest that the EP2 graduation rate for male students was higher in the Study Area than in the province as a whole in 1998 and 1999, and the rate increased by over 10% from 51% in 1998 to 63% in 1999. Given the EP1 and EP2 graduation rates, the student attrition rate at primary schools in the Study Area is speculated to be extremely high. Assuming that the EP1 graduation rate is 25% and EP2 graduation rate is 60% for male and female in the Study Area today, only about 25 out of 100 students would complete EP1 education in five years, and only 15 at most would persist to complete EP2 education in the next two years.

(2) Lack of qualified teachers and female teachers

The percentage of EP teachers with three-year training at FP centers has been higher in the Study Area than in the province as a whole. As of 2000, about 60% of the 1,961 teachers

employed at EP1 schools in the Study Area had been trained at FP centers whereas 56.5% of the teachers in the entire province had. Nevertheless, the percentage of FP-trained teachers was only 38% in Chifunde in 2000 and fell below 50% in Chiuta for 1998 through 2000 and in Macanga in 1999 and 2000 (cf. Appendix 3).

Data on the quality of teachers at other levels of education are scarce. However, three out of the five training institutes interviewed by the Study Team listed the retraining of teachers as one of three immediate priorities. For instance, the majority of teaching staff at Institute of Mines and Geology is lacking in training and experience. According to the officials interviewed at the institute, 20 our of the 23 teachers currently employed are former students of the institute, who went through only six-month or one-year training prior to starting their teaching job. Likewise, the directors of Matundo Industrial School and of Martyrs of Wiriyamu Industrial and Commercial School voiced the need for capacity enhancement of teachers. Especially at the latter, some of the teaching staff are not certified teachers but regular employees of companies in the area, who are hired to teach certain courses (e.g., typing) in their spare time.

The shortage of female teachers has been recognized as a major factor of the depressed enrollments of female students in the Country. As of 1998, female teachers accounted only for 24% of the teachers at the entire EP1 schools and the percentage was even lower at about 22% in Tete province. The percentage of female teachers fell below 20% at the national level in EP2, secondary and professional/technical education, and it was especially low in Tete province in EP2, ESG1 and professional/technical education at about 11%, 8%, 3%, respectively.

### (3) Inadequate school environment

During the ten years of the civil war from 1983 to 1992 in Mozambique, about 58% of the entire educational network was destroyed. Tete province is one of the areas hardest hit by the civil war, and many schools were rendered defunct. Since the end of the war, the Government, various international organizations, religious groups, and NGOs have made efforts to rehabilitate demolished school buildings, build new schools, and provide facilities and materials necessary for schooling. These efforts have especially been directed toward EP1 schools. The following is a list of some of the organizations that have been active in the Study Area for EP1 school rehabilitation and material support.

 Angonia: Development Aid from People to People (ADPP or DAPP, a Norwegian NGO headquartered in Zimbabwe), Amilcar Cabral Center of Information and Documentation (Centro de Informação e Documentação Amílcar Cabral / CIDAC, a Portuguese NGO established in 1974), Lutheran World Federation (LWF), and UNHCR.

- Chifunde: Action for the Rights of Children (ARC).
- Chiuta: Norwegian Peoples Aid (NPA).
- Macanga: International Rescue Committee (IRC, an NPO started in the U.S. in 1933) for school materials (e.g., teaching manuals, textbooks, chalks, etc.) and UNDP and LWF for school rehabilitation.
- Moatize: ADPP, Norwegian Refugee Council (NRC), Danish International Development Assistance (DANIDA), Istituto Sindacale per la Cooperazione allo Sviluppo (ISCOS, an Italian NGO), LWF, and World Vision International (WVI).
- Tsangano: ADPP, LWF, ISCOS, WVI, and UNICEF.

In some districts such as Angonia and Chiuta, local communities have been encouraged to participate in school rehabilitation (cf. UNDP/UNHCR, 1996). In Chiuta, local communities helped rehabilitate seven out of the nine EP1 schools surveyed. Despite the efforts exerted by these aid organizations, many schools in the province are still inadequately equipped. For instance, a majority of EP1 schools in Angonia, Chifunde, Chiura, and Macanga were either without desks (76.8%) or lavatories (61.6%) in 1996.

As for training schools in the Study Area, Dom Bosco Professional School in Tete city and the IMAP in Angonia, the two most recently established schools, are well equipped with excellent facilities. On the other hand, the other three schools are in serious need of equipment and facility upgrading. Matundo Industrial School needs new machines and equipment for students' practical training to replace old ones as well as more classrooms to accommodate its large enrollment. Martyrs of Wiriyamu Industrial and Commercial School is lacking in chairs, desks and blackboards among other things, and Institute of Mines and Geology considers the procurement of new and more laboratory equipment and the upgrading of boarding facilities musts.

#### 3.2.5. Limited future opportunities

In Mozambican economy, the industry and service sectors are still very weak compared to the agricultural sector, and in the Study Area, agriculture's dominance in economy and employment is even greater. It is roughly estimated that agriculture accounts for 64% of the regional economy and 86% of the entire local employments. On the other hand, the services sector's share of the regional economy is estimated at 30%, less than half of the agriculture sector, and its share of the regional employments 10%. The role of the industry sector is even smaller, accounting for only 6% in economy and 4% in employment. In other words, today the future opportunities for children in the Study Area are grossly limited and mostly lie in agriculture and related employments.

At all the professional/technical schools surveyed by the Study Team, school officials unanimously agree that one of the most difficult challenges facing students is to secure employment after graduation. Many graduates who complete their programs at these schools wish to continue their training at schools of a higher level in other cities such as Beira and Maputo. However, their chance of doing so is rather limited. Of those who graduated from Institute of Mines and Geology in 2001, two passed the entrance exam for national universities and entered a program at the geology department of Eduardo Mondlane University in Maputo, the most reputable university in Mozambique, and four went to Pedagogical University also located in Maputo. At Matundo Industrial School, 200 students graduated in 2001, of whom 20 passed the entrance exam for middle level training schools and would go to schools in Beira, Nampula or Maputo. There were 60 graduated at Martyrs of Wiriyamu Industrial and Commercial School in 2000, and some of them continued to study on their own to enter middle level schools. According to the director of this institute, now there are job openings in Tete city and other provinces. Yet, prospective employers such as banks that offer secure and relatively well-paid jobs are reluctant to hire graduates from the institute simply because their level of training and skill is insufficient to qualify for the positions open.

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## Chapter 4. Developmental Strategy for Education and Training

The future development as envisioned by the present study will be largely determined by whether or not and the extent to which quality labor force will be provided from within the Study Area. The expected growth in the service sector as well as in the industrial sector will duly demand rapid increase in the supply of trained and skilled workers. One of the most crucial factors thus is concomitant educational development, which must be carefully planned and promoted.

There are two equally important paths of educational development to be pursued in the Study Area. One is to continue to promote schooling among local children, especially girls. This aspect is in accordance with the national educational development strategy of MINED. The goal is to have the local youth attend school, complete primary education and then continue on to secondary education or professional/technical education. The other path is to raise literacy and the level of education among the local adult population. This aspect calls for provision of educational opportunities for local adult residents.

Since the end of the civil war, various outside aid organizations have supported the rehabilitation of the educational system in Mozambique collaborating with MINED. However, there is a trend among those organizations to shift the weight of assistance from local projects in specific regions to more strategic support of MINED (cf. "Education Sector Strategic Plan 1997-2001," p. 8). Tete province is not an exception.

Educational development strategy for Tete province and the Study Area must take into account the waning presence of outside support, coupled with the limited financial resources and underdeveloped infrastructure, as the precondition. It necessitates the province to probe for and take the initiative in self-sustainable educational development. Probably, a better initial strategy is to best utilize limited available resources to improve the existing system of education and training and its associated facilities. Implementation of the strategy would inevitably call for active cooperation and involvement of respective local communities. New schools and associated facilities are to be constructed only where they are most needed. Education and training-related projects proposed by the present study are included in the separate volume of Project Profiles. Particularly pertinent are as follows:

- 1) Institute of Mines and Geology Support Program (Project No. 1.10);
- 2) Distance Education Program (Project No. 4.8);
- 3) Primary Schools Improvement (Project No. 4.9);
- 4) Adult Education on Land Ownership and Sustainable Agriculture (Project No. S.3);
- 5) Community Skills Center (Project No. S.6); and
- 6) Schools and Health Posts Construction (Project No. S.10).

In the following sections, three areas of concern for the educational development plan for the Study Area are contemplated.

# 4.1. Community Involvement in Educational Development

# 4.1.1. Promotion of awareness for the importance of education

In order for educational development to take root and succeed in the Study Area, it is essential that the community environment be receptive and conducive to such an initiative. To proceed with the action plan, the community as a whole, especially children's guardians and community leaders, must perceive school education as integral part of community development. They must understand that education is necessary investment not only for the life of the children but also for the future prosperity of their community.

It is recommended that workshops be held first for community leaders to encourage them to assume the leadership in the promotion of community awareness for the importance of education. Especially important is to emphasize the need for women to have equal access to education for the development of their communities. Then, the leaders in turn would disseminate the merits and importance of education to local adult residents. The idea is to heighten their awareness for the necessity of providing the youth with educational opportunities through community meetings and other formal and informal gatherings. At the same time, it is hoped that the local adult population will also become interested in obtaining further education for themselves.

## 4.1.2. Community participation in school facility improvement

There has been some community participatory effort toward school construction and rehabilitation in the Study Area. Local communities in Angonia and Chiuta cooperated with DAPP in constructing and rehabilitating EP1 schools in the past. The extent of such effort is said to have been somewhat limited, however. Given the choice of obtaining a few better-constructed schools through turnkey projects or participating in building more schools with limited facilities for the same budget, some communities chose the former (UNDP/UNHCR, 1996). Nevertheless, in face of dwindling financial assistance from outside sources in the foreseeable future, local communities' initiative in supporting their local schools will become increasingly important.

As presented in the previous chapter, presumably many schools in the Study Area are still lacking in such basic facilities and furnishings as lavatories, desks and chairs. Some schools are even without windows or classrooms. If community members coordinate their effort and contribute labor or other forms of assistance, such inadequate schools could be upgraded without straining financial resources. Thus, along with the aforementioned community awareness program for education, members of each community should be encouraged to become more actively involved in the maintenance and improvement of their schools (cf. "Part 3: Community Development and Participatory Approach" of the present volume; Project No. 4.9 of "Project Report," a separate volume).

Especially urgent in the Study Area is to ease the problem of overcrowded EP1 classrooms. Probably, the first priority is to build more EP1 classrooms in Angonia, Moatize and Tete city where the shortage of classrooms has been most serious. Also community participation should be directed to building housings for teachers.

# 4.2. Expected Role of Tete Provincial Directorate of Education

Tete Provincial Directorate of Education is expected to play a key role in the educational development in the province and the Study Area. First, it will continue to serve as a vital source of various educational data on which future strategic plans of MINED will be based. The provision of accurate information and forecast on the conditions of education will be crucial in curricula revision and enhancement, facility improvement and establishment, teaching and classroom material procurement, teaching staff and administrator deployment, among others. Second, the directorate should work in tandem with MINED to create educational awareness programs for local communities. Those programs will be carried out in a series of workshops for community members to become involved in the educational development. Third, the directorate should formulate its own long-term action plan targeted at disadvantaged communities, particularly in remote, rural areas of the province. The plan should cover not only formal education but also non-formal education. It is hoped that the directorate and MINED will extend their attention and support beyond primary clucation to professional/technical and adult education as well. After all, the educational development strategy for Tete province and the Study Area would not succeed without being inclusive if it is to strengthen and expand the regional human resource base. Fourth and closely associated with the aforementioned, the directorate should play an active role to help local communities create more facilitative environment for education. It is both desirable and necessary that the directorate will keep local residents informed of the policy and ongoing efforts of MINED. At the same time, the directorate should provide guidance and support for their involvement in the regional educational development.

In sum, Tete Provincial Directorate of Education will have to assume and fulfill more responsibility as the regional development plan set forth by the present study is put into effect. It will be essential for the directorate to develop rapport with local communities from an early stage and ask them for their help and cooperation when and where necessary. At the same time, the directorate is expected to continue appealing to MINED for more attention and support to the educational development in the province while working closely

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with the ministry.

# 4.2.1. Need for assessing late entrants and returnee students

In Tete province as in all the rest of the Country, there is a great deal of fluidity in student enrollments at primary and secondary schools during every academic year due to a large number of late entrants. The late entrants are those who enroll in school after the start of the academic year. Granted that a good portion of these students would successfully complete their grades, their late enrollment may nevertheless significantly affect the efficiency of the educational system. For one, inflow of students inevitably increases the teacher-to-student ratio. In addition, disruption in the pace of teaching and shortages of textbooks and school materials are also conceivable.

Presumably, most, if not all, of these late entrants are returnee students, who left school without completing the curricula in the past and have been away from education for some time. Consequently, they are over-aged for the grades that they enter. The needs of these students may be different from other students and may not be adequately addressed by the present system.

Despite the large enrollments of late entrants and returnee students at all the levels of education in the province, Tete Provincial Directorate of Education does not seem to keep track of them systematically at present. First and foremost, the directorate is strongly advised to start collecting and analyzing data on late entrants and returnee students. In the course of the work, it is important to examine possible impact that they may have on teachers as well as peers, for their presence may affect classroom management and progress of coursework.

With assessment of the conditions of late entrants and returnee students, the directorate would become better able to address to and meet their needs. It would also help the directorate improve its ability to assess and predict students' academic attainment (e.g., rates of pass, repetition, dropout, and graduation). Further, by carefully monitoring the flow of late entrants and returnee students, the directorate should be able to predict student enrollments in each district more accurately every year. This would particularly benefit the directorate in deployment of teachers as well as procurement of teaching and classroom materials.

# 4.2.2. Strengthening adult education centers

One of the most dismal facts is that the majority of the adult population in the province still has no formal education. Consequently the level of literacy is still low. Even those who attend school often do not complete their education. Even if they do, they would take longer than the prescribed length of time to complete. It is deemed both desirable and necessary to provide the local adult population with opportunities to learn how to read and write as well as to complete primary and secondary education. The effort to raise literacy and the level of education among adults is a necessary step to create community environment that fosters and facilitates educational development.

There is encouraging proof that community members' interest in their own education is As shown in Appendix 4, the number of local residents who complete primary growing. and secondary education at adult education centers more than doubled between 1995 and It increased from 496 to 1,346 in the province and from 428 to 1,005 in the Study 1999. If local adult education centers are promoted, it is likely that more adult residents Area. will become interested in resuming and obtaining education. Therefore, Tete Provincial Directorate of Education should consider strengthening the existing adult education centers as high priority and thus exert effort accordingly. In the process, the directorate will review the programs currently offered, and revise them if and when necessary to meet the educational needs of respective communities. Also, the directorate should conduct a study in the districts that currently do not have adult education centers, namely Chifunde, Macanga and Tsangano. The purpose of the study is to examine whether or not the establishment of new adult education centers would merit their communities.

To reach out and meet the educational needs of local residents more efficiently and flexibly, some of the existing adult education centers may be enhanced as distance education centers in the future (cf. Project No. 4.8 of "Project Report," a separate volume). The designated centers will have radios and audio-visual equipment (TVs and VCRs), through which classes are conducted. In addition to remedial courses to complete primary and secondary education, distance education courses will be expanded to cover a wide range of subjects, including agricultural training, environmental education, and hygiene and healthcare education.

# 4.3. Institutional Reforms of Local Training Institutes

Except for the IMAP in Angonia and Dom Bosco Professional School in Tete city, training institutes in the Study Area are in serious need of facility and equipment upgrading and faculty retraining. Without these reforms, the training institutes can neither operate to their full capacity nor satisfy the future training needs in the Study Area as well as Tete province. As the local economy grows with the regional development, the job market will expand and diversify, and the training institutes will have to flexibly respond to the changes. These reforms are considered a prerequisite before the training institutes could undertake curriculum revision and expansion. Therefore, enhancing the local training institutes should be emphasized in the planning of the regional development.

The training institutes in and around Tete city may look into the prospect of working

together and coordinating their efforts. Forming a consortium may be a viable avenue to best utilize their resources. Through the consortium, they may collectively appeal to MINED, local businesses as well as outside aid organizations for their support.

# 4.3.1. Strengthening professional/technical schools

# (1) Need for establishing information technology and business management courses

By far the most difficult problem facing every professional/technical school in the Study Area is the lack of job opportunities and career alternatives for students after graduation. There is some indication that the number and variety of job openings is on the rise in Tete city. However, according to the official of a professional/technical school in Tete city interviewed, prospective employers generally regard graduates from local professional/ training schools as insufficiently trained and thus unqualified for positions offered.

The kind of knowledge and skill required for contemporary jobs is becoming increasingly technical and specific. Various technical and office jobs will be generated in the Study Area as the local economy grows. Computer skills, in particular, will be in demand especially in Tete city. In fact, a considerable portion of the adult population in Tete city now seems to consider computer skill as something essential and thus to be acquired. According to a teacher who has been teaching at one of the two private computer schools in Tete city since its establishment in 1998, the school has had no problem recruiting students. The school offers short-term (2-month) courses in business application software operation. The total enrollment at the school is between 200 and 300, most of whom are adult professionals from or around Tete city. Despite the rather steep annual tuition of Mt.1.5 million (about US\$75 at US\$1=Mt.20,000) for local standards, every course offered at the school has been filled to its capacity.

Likewise, the demand for basic business skills is expected to rise rapidly as new local industries and small-scale enterprises in the industrial and service sectors are established. Acquisition of office skills will be crucial in improving the local residents' chance of finding secure jobs. Also, provision of training in business management will be needed to produce and strengthen local entrepreneurs.

Despite the rapid increase in enrollments in recent years and the prospective demand for computer and office skills, the local professional/training schools are not prepared to meet the challenge at present. None of the schools is equipped to offer computer courses. Though Martyrs of Wiriyamu Industrial and Commercial School offers a basic level curriculum in accounting, the curriculum is inadequate in providing the level of skill and knowledge demanded by prospective employers. In the business world today, accounting cannot be thought of separately from the computer just as in the case of most other office jobs. Bookkeeping at contemporary companies is done electronically on computers with

### accounting software.

Therefore, establishing training courses in computers and business management, accounting in particular, should be recognized as an important agendum for the training institutes in the Study Area. Martyrs of Wiriyamu Industrial and Commercial School has already applied for computers and now is waiting for their allotment from MINED. If the procurement comes through, the school will be able to proceed with its plan to start computer and information technology courses immediately. Otherwise, it is strongly suggested that the school find some other way to obtain computers. One alternative is to approach through MINED overseas NGOs such as Computer Aid International, which provide schools in developing countries with refurbished computers for minimal fess.

# (2) Need for retraining teachers

As mentioned in the previous chapter, Institute of Mines and Geology in Moatize, Matundo Industrial School and Martyrs of Wiriyamu Industrial and Commercial Schools in Tete city see it a priority to retrain their teaching staff. It is suggested that these schools appeal to MINED through Tete Provincial Directorate of Education for the prospect of establishing a faculty retraining program. A short-term retraining program using school recess periods (summer and winter) may be conceived in cooperation with Eduardo Mondlane University and Pedagogical University in Maputo city. During recesses, a group of selected teachers would be dispatched to the department of their specialty at the universities and participate in research activities or work as trainees. A teacher-trainee exchange program with large corporations in Maputo city may also be a workable scheme.

#### (3) Support of Institute of Mines and Geology

One of the key projects proposed by the present study is Tete-Moatize core urban development. Institute of Mines and Geology is situated at a strategically important location in Moatize town. This institute is the only middle level professional/training school in Tete province and thus expected to assume a key role in training and supplying skilled workers in the future. Currently the institute faces problems of lack of funding, under-trained faculty, inadequate facilities, and lack of equipment. These problems will have to be tackled stepwise with full cooperation and support from MINED, local businesses as well as local communities. Support program for the institute is proposed by the present study, which is summarized in the volume of Project Profiles (Project No. 1.10).

#### 4.3.2. Need for strengthening IMAP

The IMAP in Angonia is a competitive teacher-training institute, established with funding from DANIDA Education. This institute has two purposes: 1) to produce competent

teachers for primary schools in Tete province and 2) to train qualified teachers to further improve their pedagogical skill and knowledge. The institute is an indispensable addition to the regional training institutes. With this institute now in operation, it is expected that deployment of qualified teachers and improvement of the quality of primary education in Tete province will be facilitated.

The institute operates on two sources of funding: one from MINED for teachers' salaries and the other from DANIDA Education for administrative expenses and facility maintenance. However, the institute foresees that the financial support from DANIDA will cease in the next several years. Thus, it is necessary for the institute to start to strengthen financial management and probe for ways to secure other sources of funding. At present, all the students enrolled at the institute are on a full scholarship granted from MINED. The institute is considering introducing a tuition system in the near future. For that, a feasibility study must be conducted as soon as possible. Also, the IMAP is aware of the possibility that some of the students may find jobs in the private sector, not taking teaching profession, after graduation. The institute will need to conceive a safety measure to ensure that its graduates will pursue teaching at primary schools in Tete province.

# 4.4. Current Efforts at Local Training Institutes

Local professional/training schools are not passively waiting for luck to turn their way. Well aware of the bleak reality of lack of employment opportunities for students after graduation, the schools have begun to take the initiative in changing the status quo. The following are two examples of such efforts currently undertaken by professional/training schools in the Study Area.

# 4.4.1. On-the-job training program at Martyrs of Wiriyamu Industrial and Commercial School

Martyrs of Wiriyamu Industrial and Commercial School is preparing to launch an on-the-job training program for the first time. In May of 2001, the school conducted a survey on the interest of local businesses in participating in the on-the-job training program to be launched in 2002. The purpose of the program is to place students in on-the-job training at interested local businesses prior to their graduation. In preparation for the program, students were matched with selected local companies and shops according to the courses of their study. The survey questionnaire that was sent to prospective employers included the student's information and questions on the following to be filled out before and after training:

#### Before training

- the type of work the trainee is expected to perform,
- whether or not the trainee's course of study at the school is compatible with the work, and
- whether or not the trainee's course of study at the school corresponds to the actual work requirements.

# After training

- difficulty the trainee encountered during the training,
- what the training school should have done to prevent the difficulty from happening, and
- the trainee's job performance evaluation check-list on punctuality, diligence, respectfulness, persistence, tardiness, inattentiveness, contentiousness, and indolence.

Apparent from the survey form is the school's strong determination to establish ties with local businesses and identify the kind of training that they expect from the school as well as weaknesses of its curricula. At the time of this writing, the results of the survey have not been in, and thus how many of or whether or not the contacted local businesses will actually participate in the on-the-job training program is yet to be seen. However, regardless of the outcome, this type of outward effort is a valuable step toward educational development not only for this particular school but also for the other professional/ technical schools.

#### 4.4.2. Income-generating off-campus practicum at Dom Bosco Professional School

Don Bosco Professional School is part of the National Salesian Network of Professional Training Centers and the most recently established professional/technical school in the province (as of June, 2001). The school pursues two primary goals: 1) to equip the local youth with practical knowledge and skill necessary for survival and 2) to train the youth to become resourceful and productive members of the community.

The school accepts children, who have completed primary education up to the 7th grade (EP2), primarily from Matundo and its vicinities including Capanga, Chingodzi, Moatize and Tete city. Admission priority is given to those socio-economically disadvantaged who are neither in school nor employed. The screening is based on a questionnaire survey of households with children eligible for admission in Matundo and the surrounding area.

The institute's motto is "everything you do must be useful," which it pursues by encouraging the students and teachers alike to be resourceful and practical not only inside the school but also outside in the community. Many students engage in off-campus work together with teachers in their spare time (e.g., winter and spring recesses) for local businesses. By so doing, they not only put their skill and knowledge learned in the coursework to practical use but also help raise funds for the school at the same time. For instance, the students in the carpentry program make chairs for local restaurants under the teachers' instruction and those in the auto-mechanic program handle repair jobs at local garages.

This type of off-campus practicum is an excellent way for training institutes to test the relevance of its curricula. Further, through such outward efforts, training institutes would be able to establish rapport with local businesses as well as better prepare students for actual jobs once they graduate.

# Appendix

# Sector Report 2 Social Sector Part 1: Education and Training

Appendix 1. School Enrollment in Tete Province by District, 1995-1999 (1/3)

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Appendix I. School Enrollment in Tete Province by District, 1995-1999 (1/3)

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   1.200         5.67         754           647         4.88         2.200         1.766         1.200         567         754           647         1.860         1.766         1.200         5167         1246           7483         1.826         &lt;</th>	16,376         11,047           7,125         4,600           7,125         4,600           8,092         5,764           8,092         5,764           3,448         2,340           21,990         14,622           13,576         1,656           3,235         1,553           3,238         1,553           3,339         2,335           3,339         2,335           3,339         2,340           3,339         2,346           3,339         2,346           1,165         795           7,34         4,564           3,329         2,341           1,165         795           7,940         1,365           3,916         2,544           3,916         2,544           3,916         2,565           3,916         2,565           3,1200         2,565           1,3500         3,501           3,1200         2,585           1,3,537         3,501           3,420         2,585           1,3,537         3,501           3,537         3,507           3		$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	5.702         6.015         2.3008         15.827         11.066         4.761         7.381           2.614         5.973         10.34         9.663         6.580         4.361         1.967         3957           2.144         5.873         1.034         9.067         6.530         4.361         1.967         3957           2.144         5.873         1.0354         9.067         6.539         1.860         879         3957           5.858         2.473         17.315         16.294         11.127         5.167         12.01           5.858         2.473         17.315         16.200         3.767         12.01           647         4.88         2.200         1.776         1.127         5.167         12.02           647         4.88         2.200         1.776         1.200         5.67         754           647         4.88         2.200         1.776         1.200         5.67         754           647         4.88         2.200         1.766         1.200         567         754           647         1.860         1.766         1.200         5167         1246           7483         1.826         <
2.373         10.255         7.722         5.154           802         14,079         12.905         9.106           812         9.708         3.963         6.363           2.55         9.719         18.943         6.363           1.798         28.187         2.2.211         8.514           1.940         20.179         18.513         6.013           1.940         20.179         18.513         6.013           1.940         20.179         18.513         6.013           1.941         3.701         2.2.61         1.732           1.946         3.701         2.343         1.732           1.946         3.701         2.343         1.732           2.731         1.234         917         611           1.856         5.552         4.148         1.732           2.733         1.234         917         611           2.743         1.234         917         611           2.743         1.324         917         611           2.743         1.324         917         611           2.743         1.324         917         611           2.733         1.331	7,125         4,600           11,540         8,104           8,105         8,104           8,105         8,104           8,105         8,104           15,764         10,679           15,764         10,679           15,764         10,679           3,235         2,340           3,235         1,553           3,235         2,340           3,235         2,486           3,359         2,486           1,165         795           7,734         4,956           7,734         4,956           7,734         4,956           7,734         4,956           7,734         4,956           7,734         4,956           7,734         4,956           7,734         1,365           3,916         2,544           3,916         2,544           1,350         1,350           1,350         2,544           3,916         2,544           3,916         2,544           3,916         2,544           1,350         1,350           1,350         1,350           1,3		6,590         4,406         2,114         3,003           9,067         6,221         2,846         1,287           7,323         8,161         1,967         303           7,323         1,860         8,99         300           1,860         8,227         3,657         1,021           1,1,27         5,167         1,021         27,91           1,1,364         8,227         3,657         751           1,304         911         393         366           1,304         911         393         366           1,304         911         393         366           1,304         911         393         366           1,304         911         393         366           1,304         911         393         366           1,305         1,200         1,303         366           1,325         1,030         322         1,03           6,378         1,200         323         1,03           6,378         1,203         323         1,03           6,378         1,203         353         1,03           6,378         1,203         323         1,03	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$
862         14,079         12,905         9,106           253         9,771         8,942         6,363           256         3,992         5,942         6,363           264         1,799         28,187         22,231         8,514           1,799         28,187         22,231         8,514         1,732           1,49         20,179         18,513         6,013         1,732           1,48         3,002         2,301         2,344         1,732           1,48         3,002         2,361         2,344         1,732           5,18         3,002         2,361         1,732         1,43           4,473         4,457         2,361         1,732         1,43           4,473         1,574         9,17         0,1         3,234         2,448           4,473         1,637         3,234         2,871         1,005         6,11           4,187         1,605         3,330         2,574         3,838         2,667         4,148           4,133         3,333         2,344         1,164         1,184         1,184         1,184           4,135         3,443         4,135         3,333	11,540         8,104           8,092         5,764           8,092         5,340           8,092         5,340           15,764         10,679           15,764         10,679           6,216         3,943           6,216         3,943           6,216         3,943           6,216         3,943           6,318         1,553           7,734         4,956           7,734         4,956           7,734         4,956           7,734         4,956           7,734         4,956           7,734         4,956           7,734         4,956           7,734         4,956           7,734         1,365           1,160         2,544           3,916         2,544           3,916         2,544           3,916         2,544           1,350         915           3,100         2,544           3,100         2,544           3,100         2,544           3,100         2,544           1,350         1,300           3,120         2,544           1,325		9.057         6.221         2.386         1.287           6.328         4.361         1.967         3957           6.538         1.661         1.967         3957           1.607         1.860         8.900         350           1.6294         1.1.127         5.167         1.001           1.1.844         8.227         3.657         751           1.1.76         1.100         7510         2700           1.1.76         1.100         756         365           1.776         1.100         756         366           1.776         1.200         756         366           1.776         1.200         757         368           1.776         1.603         757         343           2.366         1.603         757         343           1.775         2.89         1.895         413           1.735         1.200         253         1.036           6.578         3.235         1.294         293           1.805         1.294         293         1.035           5.97         3.325         1.036         343           5.97         3.326         1.772	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$
553         9,771         8,942         6,363           1,798         23,187         2,203         2,743           1,940         28,187         22,201         5,143           1,940         20,179         18,514         6,013           1,430         3,718         2,501         1,732           1,43         3,030         2,343         2,343           1,43         3,030         2,343         2,443           1,43         3,030         2,343         1,732           1,43         3,030         2,343         1,733           1,43         3,030         2,343         1,43           1,43         3,035         5,343         1,43           1,43         1,234         9,13         3,143           2,44         9,13         3,143         1,43           2,44         9,13         3,143         1,43           2,44         1,0,762         9,513         1,43           2,43         1,0,762         9,513         1,43           2,43         1,133         2,733         1,43           2,43         1,134         1,134         1,134           4,13         3,133	8.002         5.764           3.488         2.340           21.990         2.340           15.764         10.679           6.216         3.943           5.235         2.100           3.238         2.100           3.239         5.476           3.359         2.486           3.359         2.486           3.359         2.486           3.359         2.486           3.359         2.486           3.359         2.486           1.165         3.644           3.916         3.591           3.916         3.591           3.470         2.544           1.812         1.100           3.410         3.501           3.410         3.501           3.410         3.501           3.410         3.501           3.411         3.501           3.412         3.501           3.413         3.516           3.501         3.544           1.812         1.100           3.418         3.517           3.501         3.574           3.501         3.574           3.501		6.238         4.361         1.967         958           6.238         1.360         879         330           16.244         1.125         5167         1221           1.848         8.227         3.657         751           1.776         1.200         7516         250           1.776         1.200         7516         256           1.776         1.200         756         256           1.776         1.200         751         256           1.776         1.200         757         363           1.776         1.200         757         318           1.755         1.200         757         318           2.360         1.603         757         318           1.755         1.200         253         210           6.578         4.583         1.294         293           6.578         4.583         1.294         293           6.578         4.532         1.805         4.23           5.97         2.358         1.294         293           1.805         1.203         569         4.24           5.99         1.805         4.24         2.95	2.144         582         7.205         6.328         4.361         1.967         3953           1.001         353         3.069         2.739         1.860         879         330           1.001         353         3.069         2.739         1.866         879         330           1.678         699         4.680         4.410         2.900         1.510         270           1.678         699         4.680         4.410         2.900         1.510         270           4.7         488         2.20         1.776         1.200         367         751           2.9         316         1.612         1.704         2.900         1.510         270           4.8         2.20         1.776         1.200         293         348           2.9         315         1.304         293         348           2.9         1.9         7.75         1.93         345           2.9         1.304         4.633         2.30         1.393         346           2.95         1.945         1.735         1.933         346         2.36           2.95         1.946         7.33         1.933         2.40
266         4,308         3,953         2,743           1.990         20,179         8,514         2,2211         8,514           1.940         20,179         8,513         2,511         2,511           7.90         4,316         3,300         2,343         2,501           7.90         4,316         3,300         2,343         2,501           7.90         4,316         3,300         2,343         2,343           7.91         1,234         9,300         2,343         611           7.92         1,234         2,383         1,132         611           7.92         1,234         9,515         3,143         3,143           4.473         6,565         4,135         3,143         3,143           4.471         7,728         6,665         4,581         1,005           4.9         7,728         6,665         4,581         1,005           4.9         3,234         2,873         1,838         1,184           4.9         1,607         1,427         1,005         3,274           1.9         2,073         3,213         2,873         3,709           1.160         3,519         2,667 </td <td>3,448         2,340           3,448         2,340           15,764         10,679           6,216         3,943           6,216         3,943           3,228         2,100           3,239         1,553           2,335         1,553           2,335         1,553           2,339         2,591           3,359         2,347           3,359         2,346           1,165         795           5,738         3,644           3,916         2,594           3,916         2,594           1,812         1,360           4,780         3,591           3,470         2,594           1,312         2,544           1,312         2,544           1,312         2,544           1,312         2,544           1,312         2,544           1,312         2,544           1,312         2,544           1,312         2,544           1,312         2,544           1,312         2,544           1,312         2,544           1,312         2,544           1,312<td></td><td>12.739         1.860         879         3300           (5.294         1.1.127         5.167         1.021         751           11.84         3.657         3.657         3.657         751           1.766         1.200         3.657         751         751           1.776         1.200         3.657         750         751           1.776         1.200         3.657         8.56         756           1.776         1.200         355         8.10         6.56           1.755         1.200         355         8.10         6.65           1.755         1.200         355         8.10         6.65           6.578         4.633         1.304         8.293         4.20           6.578         4.235         3.236         1.294         8.293           5.097         1.200         353         8.43         4.64           5.097         1.235         0.01         1.32         5.64           5.097         1.235         0.01         1.32         5.64           5.097         1.235         0.01         1.32         5.64           5.097         1.235         0.01         1.32<td><math display="block">\begin{array}{c ccccccccccccccccccccccccccccccccccc</math></td></td></td>	3,448         2,340           3,448         2,340           15,764         10,679           6,216         3,943           6,216         3,943           3,228         2,100           3,239         1,553           2,335         1,553           2,335         1,553           2,339         2,591           3,359         2,347           3,359         2,346           1,165         795           5,738         3,644           3,916         2,594           3,916         2,594           1,812         1,360           4,780         3,591           3,470         2,594           1,312         2,544           1,312         2,544           1,312         2,544           1,312         2,544           1,312         2,544           1,312         2,544           1,312         2,544           1,312         2,544           1,312         2,544           1,312         2,544           1,312         2,544           1,312         2,544           1,312 <td></td> <td>12.739         1.860         879         3300           (5.294         1.1.127         5.167         1.021         751           11.84         3.657         3.657         3.657         751           1.766         1.200         3.657         751         751           1.776         1.200         3.657         750         751           1.776         1.200         3.657         8.56         756           1.776         1.200         355         8.10         6.56           1.755         1.200         355         8.10         6.65           1.755         1.200         355         8.10         6.65           6.578         4.633         1.304         8.293         4.20           6.578         4.235         3.236         1.294         8.293           5.097         1.200         353         8.43         4.64           5.097         1.235         0.01         1.32         5.64           5.097         1.235         0.01         1.32         5.64           5.097         1.235         0.01         1.32         5.64           5.097         1.235         0.01         1.32<td><math display="block">\begin{array}{c ccccccccccccccccccccccccccccccccccc</math></td></td>		12.739         1.860         879         3300           (5.294         1.1.127         5.167         1.021         751           11.84         3.657         3.657         3.657         751           1.766         1.200         3.657         751         751           1.776         1.200         3.657         750         751           1.776         1.200         3.657         8.56         756           1.776         1.200         355         8.10         6.56           1.755         1.200         355         8.10         6.65           1.755         1.200         355         8.10         6.65           6.578         4.633         1.304         8.293         4.20           6.578         4.235         3.236         1.294         8.293           5.097         1.200         353         8.43         4.64           5.097         1.235         0.01         1.32         5.64           5.097         1.235         0.01         1.32         5.64           5.097         1.235         0.01         1.32         5.64           5.097         1.235         0.01         1.32 <td><math display="block">\begin{array}{c ccccccccccccccccccccccccccccccccccc</math></td>	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
1799         28.187         22.221         8.14           1400         20.179         18.513         6.013           1400         8.008         3.718         5.013           1400         8.008         3.718         5.013           1400         8.008         3.718         5.013           1400         8.008         3.718         5.013           1400         8.008         3.718         5.013           1400         8.008         5.502         4.148           1550         4.552         4.135         3.143           1560         6.159         5.502         4.148           1580         6.124         9.71         1005           1581         1.607         1.427         1.005           1581         1.607         1.427         1.005           1581         1.607         1.427         1.005           1581         1.606         5.997         3.274           1582         2.513         1.184         2.744           1583         1.664         2.997         3.274           1583         1.664         1.184         1.184           1583         1.664         <	21.990         14.622           15.764         10.679           52.16         10.679           3.228         2.100           3.235         1.553           3.235         1.553           3.239         2.47           4.57         3.47           4.57         4.54           3.355         2.465           3.359         2.465           3.359         2.466           1.165         7.954           7.734         4.956           7.734         4.956           7.734         1.365           3.916         2.544           1.812         1.100           4.700         2.585           3.916         2.544           1.8120         1.100           4.700         2.585           1.8120         1.814           1.8200         1.814           1.8.537         5.572           8.408         2.572		(6.294         11.1.27         5.167         1.021           11.1864         8.227         3.657         751           11.766         1.200         5.65         751           1.776         1.200         5.65         750           1.776         1.200         5.65         750           1.766         1.200         5.65         750           2.360         1.310         393         746           2.360         1.30         375         348           1.755         1.200         355         240           1.755         1.200         355         240           6.378         4.433         1.895         425           6.378         4.431         1.895         425           5.057         3.258         1.772         548           5.057         3.258         1.772         548           5.057         3.258         1.772         548           5.057         3.258         1.772         548           5.057         3.258         1.772         548           5.057         3.258         1.772         548           5.057         3.258         1.772         <	5.858 $2.473$ $17.315$ $6.294$ $11.127$ $5.167$ $1.021$ $2.126$ $1.021$ $2.657$ $7.74$ $6.47$ $8.1273$ $3.657$ $7.51$ $2.710$ $2.657$ $7.74$ $6.47$ $4.88$ $2.200$ $1.776$ $1.200$ $5.76$ $4.54$ $6.47$ $4.88$ $2.200$ $1.776$ $1.200$ $5.76$ $4.54$ $2.18$ $1.726$ $1.612$ $1.304$ $911$ $393$ $398$ $2.18$ $1.726$ $1.612$ $1.304$ $911$ $393$ $398$ $5.77$ $3.657$ $4.72$ $2.801$ $1.835$ $3.46$ $5.87$ $3.27$ $1.366$ $4.72$ $1.200$ $3.57$ $3.46$ $5.87$ $4.72$ $1.200$ $5.57$ $1.200$ $5.57$ $1.02$ $1.967$ $1.776$ $1.204$ $3.325$ $1.772$ $5.40$ $1.967$ $1.206$ $5.78$ <
1940         20,179         18,513         6.013           140         8,008         3,713         2,501           713         3,002         3,713         2,501           518         3,002         2,343         1,732           518         3,002         2,343         1,732           518         3,002         2,343         1,732           518         6,159         5,562         4,148           18,50         6,159         5,562         4,148           18,50         6,159         5,562         4,148           18,50         6,159         5,562         4,148           428         1,607         1,473         1,005           428         1,607         4,13         2,743           428         1,675         9,13         2,743           428         1,666         1,184         1,184           123         2,075         1,384         1,184           123         2,075         1,313         2,745           123         2,075         1,313         2,745           123         2,075         1,313         2,745           124         1,5666         1,164 <td>15.764         10.679           6.216         3.243           6.216         3.243           833         2.100           833         2.338           1.553         2.338           833         2.486           3.359         2.486           1.165         795           1.165         795           1.165         795           1.165         3.541           5.724         4.956           7.734         4.956           7.734         4.956           1.165         3.644           3.916         2.544           1.812         1.100           1.812         1.100           1.812         1.100           1.812         1.100           1.812         1.100           1.812         1.100           1.812         1.100           1.812         1.100           1.812         1.100           1.813         1.814           1.812         1.814           1.812         1.814           1.823         8.537           1.8233         8.537  </td> <td></td> <td>11.884         8.227         3.657         754           4.410         2.900         1.510         220           1.776         1.200         1.510         250           1.376         1.310         256         256           1.364         911         393         366           4.72         2.86         183         146           2.366         1.603         757         343           2.366         1.603         757         343           2.366         1.603         255         210           6.578         4.483         1.895         4.26           4.552         3.256         1.294         293           5.97         3.356         1.294         293           1.826         1.294         293         1.05           5.97         3.355         1.294         293           5.97         3.356         1.172         368           1.600         1.007         593         369           1.600         1.007         593         368           1.600         1.007         593         120           3.051         1.942         966           <td< td=""><td>4.180         13.774         12.655         11.884         8.227         3.657         7.541           1.678         699         4.400         2.900         13.10         22.00           1.678         699         4.400         2.900         13.10         22.00           2.18         7.73         51.8         4.72         2.99         3.66           2.18         7.72         61.8         4.72         2.99         3.66           2.18         7.72         61.8         4.72         2.89         18.3         746           2.18         7.72         61.8         1.501         1.603         757         3.83         3.66           2.55         1.68         7.33         6.23         1.603         757         3.83         3.66           2.55         1.64         7.33         6.23         1.204         2.293         1.026           2.55         1.64         7.33         6.23         1.294         2.293         1.026           2.55         1.64         7.53         3.238         1.295         4.25         3.240           1.41         55         5.697         1.027         3.948         1.177         3.4</td></td<></td>	15.764         10.679           6.216         3.243           6.216         3.243           833         2.100           833         2.338           1.553         2.338           833         2.486           3.359         2.486           1.165         795           1.165         795           1.165         795           1.165         3.541           5.724         4.956           7.734         4.956           7.734         4.956           1.165         3.644           3.916         2.544           1.812         1.100           1.812         1.100           1.812         1.100           1.812         1.100           1.812         1.100           1.812         1.100           1.812         1.100           1.812         1.100           1.812         1.100           1.813         1.814           1.812         1.814           1.812         1.814           1.823         8.537           1.8233         8.537		11.884         8.227         3.657         754           4.410         2.900         1.510         220           1.776         1.200         1.510         250           1.376         1.310         256         256           1.364         911         393         366           4.72         2.86         183         146           2.366         1.603         757         343           2.366         1.603         757         343           2.366         1.603         255         210           6.578         4.483         1.895         4.26           4.552         3.256         1.294         293           5.97         3.356         1.294         293           1.826         1.294         293         1.05           5.97         3.355         1.294         293           5.97         3.356         1.172         368           1.600         1.007         593         369           1.600         1.007         593         368           1.600         1.007         593         120           3.051         1.942         966 <td< td=""><td>4.180         13.774         12.655         11.884         8.227         3.657         7.541           1.678         699         4.400         2.900         13.10         22.00           1.678         699         4.400         2.900         13.10         22.00           2.18         7.73         51.8         4.72         2.99         3.66           2.18         7.72         61.8         4.72         2.99         3.66           2.18         7.72         61.8         4.72         2.89         18.3         746           2.18         7.72         61.8         1.501         1.603         757         3.83         3.66           2.55         1.68         7.33         6.23         1.603         757         3.83         3.66           2.55         1.64         7.33         6.23         1.204         2.293         1.026           2.55         1.64         7.33         6.23         1.294         2.293         1.026           2.55         1.64         7.53         3.238         1.295         4.25         3.240           1.41         55         5.697         1.027         3.948         1.177         3.4</td></td<>	4.180         13.774         12.655         11.884         8.227         3.657         7.541           1.678         699         4.400         2.900         13.10         22.00           1.678         699         4.400         2.900         13.10         22.00           2.18         7.73         51.8         4.72         2.99         3.66           2.18         7.72         61.8         4.72         2.99         3.66           2.18         7.72         61.8         4.72         2.89         18.3         746           2.18         7.72         61.8         1.501         1.603         757         3.83         3.66           2.55         1.68         7.33         6.23         1.603         757         3.83         3.66           2.55         1.64         7.33         6.23         1.204         2.293         1.026           2.55         1.64         7.33         6.23         1.294         2.293         1.026           2.55         1.64         7.53         3.238         1.295         4.25         3.240           1.41         55         5.697         1.027         3.948         1.177         3.4
142         8.008         3.718         2.501           790         4.316         3.00         3.718         2.501           513         1.524         917         611         1.732           514         3.085         3.418         2.173         1.732           2122         1.524         917         611         1.732           2143         3.085         5.562         4.148         1.732           2143         1.607         5.562         4.148         1.433           2142         1.607         5.562         4.148         1.433           2142         7.528         6.665         4.581         1.838           614         0.762         9.513         6.419         3.234           614         0.7528         6.665         4.581         1.838           624         0.7528         6.665         4.581         1.838           203         1.864         1.184         1.833         1.232           2123         2.073         1.864         1.184         1.838           2203         1.864         1.184         1.184         1.838           2203         1.864         1.325 <t< td=""><td>62.16         3.943           3.228         2.100           3.228         2.100           3.228         2.100           8.93         547           8.93         547           8.93         547           8.93         547           8.93         547           8.93         547           3.359         2.486           7.145         7.955           7.145         7.956           5.728         3.644           3.916         3.591           2.2394         1.365           3.420         3.544           3.420         2.544           3.420         2.544           3.420         2.544           1.100         3.500           3.420         2.554           1.352         8.403           3.420         2.554           1.352         8.408           3.420         2.554           1.352         8.408           3.420         2.554           1.352         8.408           3.554         1.357           3.554         1.3577           5.554         1</td><td></td><td>4,410         2,900         1,510         2710         2730           1,776         1,200         975         455           1,776         1,200         975         456           1,755         1,200         133         146           2,360         1,603         757         318           1,755         1,200         353         210           6,376         4,483         1,895         423         210           6,376         4,483         1,895         424         229           5,997         1,235         601         132         23           5,997         2,336         1,772         968         435           5,997         2,335         1,772         968         432           5,997         2,335         1,772         968         432           5,997         2,992         1,392         956         432           5,997         2,992         1,993         569         432           5,997         1,007         593         442         2,993         442           5,997         1,007         593         402         466         1,155         455         455</td><td>1.678         669         4.600         4.410         2.200         1.510         2750           647         448         2.200         1.776         1.200         976         458           243         172         616         1.776         1.200         976         458           243         172         616         1.704         911         936         458           213         175         616         1.705         1.803         183         146           255         3.927         1.935         2.100         555         2.10         2.26         1.833         146           255         3.927         1.935         1.735         1.200         535         2.10           255         1.945         6.733         2.246         1.836         4.43         2.29           1.966         3.860         5.63         5.097         3.235         1.109         568           1.1.90         666         3.867         3.433         1.177         548           1.9109         666         3.867         3.035         1.177         548           1.9109         666         3.867         3.035         1.177         <t< td=""></t<></td></t<>	62.16         3.943           3.228         2.100           3.228         2.100           3.228         2.100           8.93         547           8.93         547           8.93         547           8.93         547           8.93         547           8.93         547           3.359         2.486           7.145         7.955           7.145         7.956           5.728         3.644           3.916         3.591           2.2394         1.365           3.420         3.544           3.420         2.544           3.420         2.544           3.420         2.544           1.100         3.500           3.420         2.554           1.352         8.403           3.420         2.554           1.352         8.408           3.420         2.554           1.352         8.408           3.420         2.554           1.352         8.408           3.554         1.357           3.554         1.3577           5.554         1		4,410         2,900         1,510         2710         2730           1,776         1,200         975         455           1,776         1,200         975         456           1,755         1,200         133         146           2,360         1,603         757         318           1,755         1,200         353         210           6,376         4,483         1,895         423         210           6,376         4,483         1,895         424         229           5,997         1,235         601         132         23           5,997         2,336         1,772         968         435           5,997         2,335         1,772         968         432           5,997         2,335         1,772         968         432           5,997         2,992         1,392         956         432           5,997         2,992         1,993         569         432           5,997         1,007         593         442         2,993         442           5,997         1,007         593         402         466         1,155         455         455	1.678         669         4.600         4.410         2.200         1.510         2750           647         448         2.200         1.776         1.200         976         458           243         172         616         1.776         1.200         976         458           243         172         616         1.704         911         936         458           213         175         616         1.705         1.803         183         146           255         3.927         1.935         2.100         555         2.10         2.26         1.833         146           255         3.927         1.935         1.735         1.200         535         2.10           255         1.945         6.733         2.246         1.836         4.43         2.29           1.966         3.860         5.63         5.097         3.235         1.109         568           1.1.90         666         3.867         3.433         1.177         548           1.9109         666         3.867         3.035         1.177         548           1.9109         666         3.867         3.035         1.177 <t< td=""></t<>
790         4,316         3,300         2,343           733         1,234         0,132         2,343           733         1,234         0,11         0,1           718         0,159         5,562         4,135         3,143           1,472         1,234         9,519         1,732         0,133           1,472         1,607         1,427         1,005         0,143           4,473         1,728         6,615         4,581         0,005           4,28         1,729         5,607         4,381         0,005           4,36         5,974         2,973         1,838         1,343           4,36         5,974         2,973         1,838         1,344           1,960         3,234         2,873         1,838         1,344           1,364         1,364         1,343         1,344         1,344           1,364         1,364         1,364         1,344         1,344           1,364         1,364         1,343         1,374         3,749           1,364         1,364         1,344         1,344         1,344           1,364         1,364         1,346         1,346         1,34	3.228         2.100           2.335         1.553           2.335         1.553           2.335         1.553           8.281         3.281           1.553         3.281           3.359         2.465           1.165         795           1.165         3.591           5.738         3.644           3.916         2.544           1.100         1.365           3.916         2.544           1.100         1.365           3.420         2.545           1.350         9.544           3.420         2.535           1.350         9.15           1.350         9.15           1.350         9.15           1.350         9.15           1.350         8.537           5.397         3.277           5.397         3.277           5.397         3.277		1,776         1,200         576         458           1,304         911         333         596           72         2360         1503         146           2,360         1,603         733         146           2,360         1,603         733         210           1,735         1,200         533         210           6,378         4,03         1395         210           6,378         4,03         1295         203           6,378         4,03         1295         293           6,378         4,03         1295         293           6,378         1,204         593         293           1,825         1,275         801         132           5,097         3,325         1,772         548           3,497         2,323         1,772         548           1,600         1,007         2,933         569           1,600         2,132         1,072         563           3,052         2,159         369         2,132           3,053         2,159         369         2,132           3,053         2,132         1,032         2,132	(47         488         2.230         1.776         1.200         576         456           429         316         1.612         1.004         911         933         308           213         1.612         1.004         911         933         308           213         472         289         368         146           255         5.07         1.942         1533         146           255         757         1.304         1503         757         343           255         759         753         1.200         535         2109           252         168         7.73         1.200         535         210           1.91         953         6.53         3.433         1.295         493           1.341         953         1.735         1.200         535         210           266         3.63         3.433         3.323         103         323           1.1.90         669         3.860         3.433         3.323         103           253         1.235         1.077         3.943         393         368           1.1.90         6669         3.863         3.433
5.8         3.082         2.383         1.732           272         1.234         9.17         611           4.80         6.159         550         611           4.552         4.1552         4.148           4.552         4.155         3.143           4.552         4.155         3.143           4.552         4.155         3.143           4.55         1.607         1.427         1.005           614         10.762         9.513         6.419           614         0.723         9.513         6.419           451         2.573         1.838         1.838           451         6.596         5.973         3.273           2.073         1.884         1.184         2.743           4.50         3.507         1.884         1.184           2.073         1.884         1.184         2.667           3.134         1.666         1.416         1.042           1.566         1.416         1.042         1.042           3.16         1.166         1.1667         1.042           3.154         1.666         1.416         1.042           3.154         1.6	2,335         1,553           2,335         1,553           493         3,47           4,524         3,281           3,339         2,346           1,165         795           7,734         4,356           7,734         1,365           7,734         1,365           3,916         2,544           3,916         2,544           3,916         2,544           3,916         2,544           3,916         2,544           3,916         2,544           3,916         2,544           3,916         2,544           3,916         2,544           3,916         2,544           3,916         2,544           3,916         2,544           3,916         2,544           1,307         1,190           1,31,20         1,312           3,500         9,15           13,125         8,408           13,125         8,408           12,552         8,408		1.304         911         393         308           72         289         133         746           736         1603         757         34.8           1.736         1200         553         240           1.735         1200         553         2403           6.378         4.633         1.895         42.3           6.378         4.633         1.895         42.3           6.378         4.633         1.895         42.3           6.378         4.633         1.895         42.3           6.378         4.633         1.895         42.3           6.378         1.895         6.01         1.035           6.378         1.895         6.01         1.325           5.097         3.3258         1.772         54.8           5.097         3.325         1.772         54.8           5.097         2.329         1.077         56.9           1.600         1.007         59.9         56.8           1.600         2.192         1.942         56.8           1.105         74.3         42.3         1.125           1.1150         6.136         1.923 <td< td=""><td>420         316         1.612         1.304         911         393         346           218         172         618         472         269         183         146           557         327         1.945         1.365         1.503         313         313           557         327         1.945         1.735         1.200         355         240           557         327         1.945         7.73         1.200         355         240           1.967         101         6.03         6.378         4.483         1.395         423           1.916         753         6.25         403         2.22         103           1.316         6.378         4.483         1.395         423           1.316         6.378         4.483         1.395         423           1.316         6.378         4.483         1.395         423           1.31         1.31         1.325         601         1.325           1.31         6.35         3.497         2.318         1.772         548           1.190         669         3.563         3.403         2.325         1.793         548</td></td<>	420         316         1.612         1.304         911         393         346           218         172         618         472         269         183         146           557         327         1.945         1.365         1.503         313         313           557         327         1.945         1.735         1.200         355         240           557         327         1.945         7.73         1.200         355         240           1.967         101         6.03         6.378         4.483         1.395         423           1.916         753         6.25         403         2.22         103           1.316         6.378         4.483         1.395         423           1.316         6.378         4.483         1.395         423           1.316         6.378         4.483         1.395         423           1.31         1.31         1.325         601         1.325           1.31         6.35         3.497         2.318         1.772         548           1.190         669         3.563         3.403         2.325         1.793         548
272         1.234         9.17         6.11           1.850         6.159         5.562         4.148           1.821         6.150         5.562         4.148           2.82         4.552         4.148         3.143           2.82         1.607         1.477         1.005           4.55         7.528         6.653         4.581           9.9         7.528         6.655         4.581           9.9         7.528         6.655         4.581           9.9         3.534         2.873         1.184           9.9         7.528         6.655         4.581           9.9         7.528         6.655         4.581           9.9         7.588         1.184         1.184           123         2.073         1.884         1.184           123         2.075         1.884         1.184           126         1.666         1.413         2.743           128         1.566         1.413         2.743           128         1.566         1.184         1.184           123         2.332         2.5175         1.7316           1260         1.566         1.1245 <td>4534         547           4524         5231           3597         547           3597         548           7734         4956           7734         4956           7738         3,016           5,728         3,044           3916         2,544           3916         2,544           3916         2,544           3916         2,544           3,700         2,544           3,700         2,544           3,700         2,544           3,700         2,544           3,700         2,544           3,700         2,544           3,700         2,544           3,700         2,544           3,700         2,544           3,700         2,544           3,700         2,544           3,700         2,544           3,837         3,507           3,507         3,507           3,537         5,377           3,307         3,577           3,307         3,577</td> <td></td> <td>472         2360         183         1445           2,366         1,603         757         348           1,755         1,603         757         348           6,378         4,683         1,305         2405           6,378         4,683         1,305         423           4,552         3,256         1,204         223           1,826         1,204         223         108           4,552         3,256         1,204         223           5,097         3,356         1,772         548           5,097         2,315         1,177         548           1,600         1,007         593         548           1,600         1,007         593         548           3,497         2,318         1,177         548           1,600         1,007         593         548           3,497         2,922         1,342         566           4,23         7,433         2,423         1,456           1,185         1,112         368         1,115           3,11         3,123         3,05         3,05         3,05           1,118         1,110         4,22<td>218         1772         618         472         239         183         146           807         ~495         2.678         2.360         1.603         77         313           255         7.957         1.945         1.643         777         313           255         7.968         7.33         6.25         4.03         2340           255         7.968         7.33         6.25         4.03         232         1.095           255         8.03         6.378         4.483         1.995         4.25         3.293           1.,967         8.03         6.378         4.483         1.995         4.25         3.298         1.394         2.993           1.,411         9.55         4,552         3.298         1.294         2.993         1.324           1.,411         9.56         5,097         3.335         1.772         548         1.772         548           1.,190         666         3.865         3.497         2.318         1.1772         548           2593         1.770         3.3497         2.318         1.1772         548           1.,190         666         3.544         3.059         2.10</td></td>	4534         547           4524         5231           3597         547           3597         548           7734         4956           7734         4956           7738         3,016           5,728         3,044           3916         2,544           3916         2,544           3916         2,544           3916         2,544           3,700         2,544           3,700         2,544           3,700         2,544           3,700         2,544           3,700         2,544           3,700         2,544           3,700         2,544           3,700         2,544           3,700         2,544           3,700         2,544           3,700         2,544           3,700         2,544           3,837         3,507           3,507         3,507           3,537         5,377           3,307         3,577           3,307         3,577		472         2360         183         1445           2,366         1,603         757         348           1,755         1,603         757         348           6,378         4,683         1,305         2405           6,378         4,683         1,305         423           4,552         3,256         1,204         223           1,826         1,204         223         108           4,552         3,256         1,204         223           5,097         3,356         1,772         548           5,097         2,315         1,177         548           1,600         1,007         593         548           1,600         1,007         593         548           3,497         2,318         1,177         548           1,600         1,007         593         548           3,497         2,922         1,342         566           4,23         7,433         2,423         1,456           1,185         1,112         368         1,115           3,11         3,123         3,05         3,05         3,05           1,118         1,110         4,22 <td>218         1772         618         472         239         183         146           807         ~495         2.678         2.360         1.603         77         313           255         7.957         1.945         1.643         777         313           255         7.968         7.33         6.25         4.03         2340           255         7.968         7.33         6.25         4.03         232         1.095           255         8.03         6.378         4.483         1.995         4.25         3.293           1.,967         8.03         6.378         4.483         1.995         4.25         3.298         1.394         2.993           1.,411         9.55         4,552         3.298         1.294         2.993         1.324           1.,411         9.56         5,097         3.335         1.772         548         1.772         548           1.,190         666         3.865         3.497         2.318         1.1772         548           2593         1.770         3.3497         2.318         1.1772         548           1.,190         666         3.544         3.059         2.10</td>	218         1772         618         472         239         183         146           807         ~495         2.678         2.360         1.603         77         313           255         7.957         1.945         1.643         777         313           255         7.968         7.33         6.25         4.03         2340           255         7.968         7.33         6.25         4.03         232         1.095           255         8.03         6.378         4.483         1.995         4.25         3.293           1.,967         8.03         6.378         4.483         1.995         4.25         3.298         1.394         2.993           1.,411         9.55         4,552         3.298         1.294         2.993         1.324           1.,411         9.56         5,097         3.335         1.772         548         1.772         548           1.,190         666         3.865         3.497         2.318         1.1772         548           2593         1.770         3.3497         2.318         1.1772         548           1.,190         666         3.544         3.059         2.10
IS80         61.59         5.562         4.148	4.524         3.281           3.359         2.465           1.165         2.465           7.7145         4.956           7.7146         4.956           5.440         3.591           2.246         1.365           2.240         3.591           2.240         3.591           2.240         3.591           2.2544         1.812           3.910         2.544           3.910         2.544           3.910         2.544           1.812         1.100           1.812         1.100           1.812         1.100           1.812         1.100           1.812         1.100           3.420         2.585           1.350         2.585           1.820         1.1814           1.820         1.1814           1.820         1.1814           1.823         8.5377           2.532         8.408           1.2552         8.408		2.360         1.603         757	807         #695         2.678         2.360         1.603         757         .3433           555         .327         1.945         1.735         1.200         355         240           255         .327         1.945         1.735         1.200         355         240           257         .104         .033         .033         .043         1.895         .040           1.67         .010         6.803         .6378         4.433         1.895         .023           1.571         .105         .6378         4.552         3.238         1.294         .293           1.41         .95         4.845         4.552         3.238         1.272         543           1.490         .669         .3865         .347         .3.355         1.772         543           1.190         .669         .3.867         .3.97         .3.255         1.937         696           .597         .3.285         .1.726         .1.772         543         .1.772         543           1.597         .5097         .3.218         .1.772         543         .1.772         543           .597         .3.47         .3.256         1.1.772
L422         4.552         4.155         3.143           208         11.607         1.427         1.005           424         7.528         6.655         4.581           424         7.528         6.655         4.581           424         7.528         6.655         4.581           435         0.546         5.977         3.027           455         0.546         5.977         3.027           455         0.546         4.935         3.749           457         1.884         1.184         1.884           122         2.073         1.814         1.184           457         3.519         2.667         4.935           316         4.010         3.519         2.667           315         1.604         1.416         1.466           1.567         1.313         2.5175         1.7316           1.569         1.564         1.245         1.667           1.569         1.569         1.245         1.655           1.569         1.7605         1.245         1.265           3.18         0.90         7.31         4.871           5.318         1.659         1.2	3,359         2,486           7,165         795           7,165         795           7,165         795           5,470         3,591           5,728         3,644           3,916         3,544           5,728         3,644           3,916         1,100           4,780         3,644           3,420         2,544           1,812         1,100           3,420         2,544           1,812         1,100           3,420         2,545           3,420         2,544           1,812         1,104           1,812         1,104           1,365         3,594           3,420         2,585           1,360         1,514           13,125         8,537           5,539         3,2277           5,539         3,2277           2,539         3,207		1,735         1,200         535         2403           635         403         222         108           6578         403         222         108           6578         3,258         1,395         423           4552         3,258         1,295         593           1,826         1,225         601         1,325           5097         3,325         1,772         548           5,097         3,325         1,772         548           5,097         3,325         1,772         548           5,097         3,325         1,772         548           3,497         2,318         1,179         569           4,244         2,902         1,342         676           3,059         2,1592         1,342         676           3,059         2,1592         1,342         676           3,059         2,1592         1,329         743           1,185         7,43         442         1922           1,185         1,1100         6,136         1329	555         3327         1 j 35         1,735         1,200         535         240           252         168         733         625         403         222         108           1.967         101         623         403         222         108           1.967         103         633         632         403         222         108           1.910         646         1,935         1,526         1,225         601         1,32           1.783         840         5,645         5,097         3,325         1,772         948           1.190         666         3,867         3,325         1,772         948           1.919         666         3,867         3,497         2,318         1,772         948           1.919         666         3,867         3,497         2,318         1,772         948           559         49,00         1,280         1,707         593         840           564         3,543         3,059         2,193         1,723         942           564         2,536         1,100         6,134         2,132         1,32           6,48         2,536         1,100
428         1.607         1.427         1.005           614         10.762         9.513         6.419           428         1.5.28         9.513         6.419           428         3.2.44         6.665         4.19           458         3.2.44         5.673         5.81           451         5.673         3.927         3.927           453         5.073         1.13         2.743           123         5.075         4.113         2.743           123         5.075         4.13         2.667           4.610         3.519         3.709           4.65         1.413         2.667           1.666         1.416         1.042           1.566         1.416         1.042           1.561         1.666         1.416           1.561         1.666         1.416           1.561         1.564         1.245           1.533         8.040         7.31           4.630         1.5.61         1.265           1.5445         1.2662         1.2667           1.5445         1.2663         1.2663           1.5445         1.2663         1.2653	1,165         795           7,734         4,956           7,734         4,956           2,540         1,365           2,543         3,644           3,916         2,544           3,916         2,544           1,180         1,180           1,180         2,544           1,180         2,544           3,916         2,544           3,916         2,544           1,180         1,180           1,360         915           1,350         2,153           1,350         2,154           1,350         2,156           1,350         2,157           1,350         2,157           1,350         8,408           1,353         8,408		625         403         222         108           6,378         4,483         1,895         423           6,378         3,238         1,294         233           1,826         1,235         6,01         1,324           1,826         1,235         6,01         1,324           5,097         3,325         1,772         548           3,497         2,318         1,179         568           3,497         2,318         1,179         568           1,600         1,007         593         149           4,244         2,159         900         1342           3,059         2,159         900         1342           3,056         2,159         900         1007           3,056         2,159         900         102           3,056         2,159         900         1325           1,165         74.3         4.22         132           1,165         1,1100         6,136         1239         232	252         166         733         625         403         222         108           1,967         101         6,803         6,378         4,483         1,895         423           1,367         101         6,803         6,378         4,483         1,895         423           1,341         55         4,552         3,238         1,294         8292         1,325           1,316         6,05         1,956         1,558         1,225         601         1,322           1,190         669         3,865         3,497         2,318         1,179         548           1,190         669         3,865         3,497         2,318         1,179         548           1,219         669         3,865         3,497         2,318         1,179         548           1,287         4,304         2,307         2,318         1,179         568         569           866         966         3,534         3,039         2,199         569         569           4,21         1,100         4,1100         6,139         2,192         1922         1922           4,21         1,11,11         1,1100         6,136         1923
614         10.762         9.513         6.419           -424         7.,228         6.655         4.581           -419         5.3048         5.655         4.581           -419         5.3048         5.655         4.581           -419         5.3048         5.655         4.581           -419         5.3073         1.844         1.184           -413         2.073         1.844         1.184           -413         2.073         1.844         1.184           -416         1.666         1.416         2.667           -1166         1.666         1.416         2.647           -116         1.666         1.416         2.647           -116         1.666         1.416         2.647           -116         1.666         1.416         2.647           -116         1.666         1.416         2.647           -116         1.666         1.416         2.647           -116         1.666         1.416         1.042           -117         4.871         1.6559         1.7265           -118         1.64307         1.2662         1.1265           -118         1.64307 </td <td>7,734         4,956           5,440         3,591           2,228         1,136           3,916         2,544           3,916         2,544           3,916         2,544           3,916         2,544           1,812         1,100           4,780         3,500           3,420         2,585           1,312         8,537           13,123         8,537           5,597         3,277           5,597         3,277           12,532         8,408</td> <td></td> <td>6.378         4.483         1.895         472           4.552         3.258         1.294         293           4.552         3.258         1.294         293           5097         3.325         1.772         543           5.997         3.315         1.1772         543           5.997         2.318         1.1779         563           1.600         1.007         593         1890           1.600         1.007         593         1890           42.44         2.902         1.342         666           3.059         743         424         2.993           1.185         743         4.22         1.342           743         4.23         4.22         1.325           1.185         743         4.23         1.325</td> <td>1.967         101         6.803         6.378         4.483         1.895         4425           1.441         95         4,845         4.552         3.258         1.294         293           1.841         95         4,845         4.552         3.258         1.294         293           1.828         840         5,645         5,097         3.358         1.772         548           1.190         666         3.865         3.497         2.318         1.772         548           1.190         666         3.865         3.497         2.318         1.772         548           1.190         666         3.865         3.497         2.318         1.772         3.64           1.190         666         3.544         2.097         2.192         1.902         564           1.287         9.506         3.544         2.092         1.002         654         4.24           1.286         966         3.544         2.102         1.192         674         4.24           1.287         1.710         0.1007         593         2.092         1.092         676           1.286         966         3.544         2.102</td>	7,734         4,956           5,440         3,591           2,228         1,136           3,916         2,544           3,916         2,544           3,916         2,544           3,916         2,544           1,812         1,100           4,780         3,500           3,420         2,585           1,312         8,537           13,123         8,537           5,597         3,277           5,597         3,277           12,532         8,408		6.378         4.483         1.895         472           4.552         3.258         1.294         293           4.552         3.258         1.294         293           5097         3.325         1.772         543           5.997         3.315         1.1772         543           5.997         2.318         1.1779         563           1.600         1.007         593         1890           1.600         1.007         593         1890           42.44         2.902         1.342         666           3.059         743         424         2.993           1.185         743         4.22         1.342           743         4.23         4.22         1.325           1.185         743         4.23         1.325	1.967         101         6.803         6.378         4.483         1.895         4425           1.441         95         4,845         4.552         3.258         1.294         293           1.841         95         4,845         4.552         3.258         1.294         293           1.828         840         5,645         5,097         3.358         1.772         548           1.190         666         3.865         3.497         2.318         1.772         548           1.190         666         3.865         3.497         2.318         1.772         548           1.190         666         3.865         3.497         2.318         1.772         3.64           1.190         666         3.544         2.097         2.192         1.902         564           1.287         9.506         3.544         2.092         1.002         654         4.24           1.286         966         3.544         2.102         1.192         674         4.24           1.287         1.710         0.1007         593         2.092         1.092         676           1.286         966         3.544         2.102
426         7,528         6,655         4,581           190         3.234         2.873         1,838           190         5.274         2.873         1,838           323         4,473         4,113         2,743           324         4,473         4,113         2,743           328         1,184         1,184         1,184           123         2.073         1,884         1,184           493         3,519         2,667         3,709           493         5,576         4,935         3,709           316         1,666         1,916         1,042           115         1,666         1,316         1,042           1250         2.043         2,313         2,445           533         8,040         7,31         4,871           533         8,040         7,31         4,871           31,44         14,597         12,659         10,255           31,45         14,597         12,659         10,256	5,440         3.591           2,2294         1,365           2,5128         3,644           3,916         3,644           3,916         3,644           3,916         2,544           1,812         1,100           1,812         1,100           1,812         1,100           1,812         1,100           1,812         1,100           1,812         1,100           1,812         1,100           1,300         2,585           1,3,123         8,537           1,3,123         8,537           1,3,123         8,537           1,3,123         8,438           1,2,532         8,408		4.522         3.238         1.294         293           1.826         1.225         601         1.32           5.097         3.325         1.772         548           3.497         2.318         1.772         548           3.497         2.318         1.772         548           1.600         1.007         599         549           4.244         2.902         1.342         569           3.09         2.902         1.342         569           1.1607         599         548         569           3.09         2.902         1.342         569           3.09         2.902         1.342         569           1.1687         7.43         2.902         1.342           3.05         2.132         1.00         546           1.1687         7.43         4.22         1.92           1.1687         7.43         4.24         1.239         2.92           1.1687         7.43         4.24         1.239         2.92           1.1526         1.1.100         6.136         1.92         2.92	1         341         55         4.552         3.258         1.294         2293           626         446         1.953         1.826         1.225         601         1.372           1.783         840         5.645         5.097         3.325         1.772         348           1.190         666         3.865         3.497         3.325         1.172         368           1.193         666         3.461         1.001         5097         3.938         1.80           1.287         3.95         4.901         1.007         593         1.969         368           1.287         3.95         4.901         1.007         593         1.90         864           866         3.66         3.543         3.059         2.159         000         884           421         1.1<106
(196)         3234         2378         1838           451         0.546         597         3.927           323         4.475         1.184         3.748           323         2.073         1.814         1.184           315         2.073         1.815         3.743           467         3.519         2.677         3.927           316         4.010         3.519         2.667           316         4.010         3.519         2.667           1.564         1.316         1.616         3.719           1.567         1.916         3.719         2.647           1.569         19.292         17.804         12.445           533         8.040         7.311         4.871           533         8.040         7.311         4.871           3.143         1.4.590         11.265         11.265	2.234         1.365           5.728         3.644           3.916         2.544           1.812         1.100           4.780         3.544           1.100         2.545           1.100         2.545           1.100         2.555           1.100         3.420           3.420         2.555           1.3520         1.814           1.3.500         1.814           1.3.500         1.814           1.3.500         1.814           1.3.500         1.814           1.3.532         8.4908		1.826         1.225         601         1.322           5.097         3.335         1.772         548           5.497         2.318         1.772         568           1.400         1.007         593         840           4.244         2.918         1.179         568           4.244         2.922         1.342         6676           3.059         2.159         900         6454           3.059         2.159         900         6454           1.165         743         442         1922           1.165         7143         442         1922           1.165         1.1.100         6.136         1239         2	626         46         1,958         1,826         1,225         601         1,322           1,783         840         5,645         5,097         3,335         1,772         548           1,190         669         3,865         3,497         3,335         1,772         548           1,190         669         3,865         3,497         3,335         1,772         548           1,287         180         1,780         1,790         593         189           1,287         955         4,901         1,600         1,972         593           866         96         3,543         3,059         2,159         900         684           421         1,1<1,11
451         6,546         5.997         3.927           323         4,773         4,113         2,743           123         2,073         1,884         1,844           4,13         5,676         4,935         3,709           4,610         3,519         2,667           1,66         1,416         1,042           1,74         1,666         1,416         1,042           1,74         1,9292         17,716         1,042           1,569         1,2416         1,042         1,042           1,569         1,2715         17,316         1,042           1,569         19,292         17,864         1,042           1,559         19,292         17,716         1,042           1,559         19,292         17,516         11,265           3,114         1,4530         12,662         10,262           3,134         14,530         12,662         10,565	5,728         3,644           3,916         2,544           1,812         1,100           1,812         1,500           4,780         3,500           3,420         2,585           1,350         915           1,350         915           1,350         915           1,350         915           1,350         915           1,350         8,537           5,397         8,537           5,397         8,408           12,532         8,408	c	5097         3.255         1.772         548           3.497         2.318         1.179         569           1.600         1.007         593         180           1.600         1.007         593         180           1.600         1.007         593         180           1.600         1.007         593         180           1.601         1.007         503         184           1.135         2.159         503         154           1.185         743         442         152           1.135         1.150         6.136         1229         2	L.783         R+0         5.645         5.097         3.325         1.772         5445           1.1.90         669         3.865         3.497         2.318         1.772         5445           533         1.71         1.780         1.600         1.973         563           1.2.97         669         3.865         3.497         2.1342         563           1.2.87         1.280         1.280         1.281         1.179         563           1.2.87         4.920         4.214         2.007         593         1846           866         96         3.43         3.059         2.159         900         454           4.21         1.185         743         4.42         1922         5.192         1922           6.458         1.1.106         6.158         7.43         4.42         1922         2.923         1.923         2.923         1.923         2.923         1.923         2.923         2.923         1.923         2.932         2.923         2.932         2.932         2.923         2.932         2.932         2.923         2.932         2.932         2.923         1.932         1.932         2.932         2.932         2.932
72b         4.473         4.113         2.743           123         2.073         1.844         1.184           469         2.073         1.844         1.184           469         2.073         1.844         1.184           469         3.519         3.519         3.09           466         1.416         1.042         1.667           1.16         1.666         1.416         1.042           2.082         27.332         25.175         17.316           1.549         19.292         17.864         12.445           1.538         19.292         17.814         12.45           3.138         19.292         17.814         12.45           3.148         19.690         17.615         11.265           3.148         14.630         12.659         10.265	3.916 2.544 1.812 1.100 4.780 3.500 3.420 2.585 1.3.60 2.585 1.3.60 2.585 1.3.123 8.537 1.3.123 8.537 5.397 3.277 5.397 3.277	· · · · · ·	3.467         2.318         1.179         368           1.600         1.007         393         180           1.600         1.007         393         180           3.053         1.342         676         676           3.053         2.192         906         884           3.055         743         442         192           1.165         743         442         192           1.7236         11.100         6.136         1,239         2	1.190         666         3.865         3.457         2.318         1.179         368           553         173         1.760         1.600         1.007         393         180           1287         492         4.244         2.902         1.342         676           1287         493         4.244         2.902         1.342         676           421         1.73         1.185         743         442         192           421         1.185         743         442         192         664           6.458         2.556         1.185         743         442         192           6.458         2.556         1.547         1.185         743         442         192           6.458         2.516         1.197         5.354         2.353         192         2.352
123         2.073         1.884         1.184           462         5.676         4.935         3.709           467         1.666         1.416         1.042           116         1.666         1.416         1.042           2.002         27.332         25.175         17.316           1156         1.9202         17.864         12.445           353         8.040         7.31         4.871           4065         18.361         12.652         17.265           314         9.4500         7.31         4.871	1.812 1.100 4.780 3.500 1.300 2.585 1.300 2.585 1.300 1.1.814 1.3.123 8.537 5.397 3.277 5.397 3.277	(	1.600         1.007         393         189           4.244         2.902         1.342         876           3.059         2.902         0.0         884           1.185         743         422         1292           1.185         743         422         192           1.1256         11.100         6.136         123	593         X78         1.780         1.600         1.007         593         1880           1.287         -95         4.920         4.244         2.902         1.342         676           866         -96         3.543         3.059         2.159         900         484           421         1.377         1.185         743         442         1922           6.458         17.236         17.106         6.136         12.922         2           4.21         1.377         1.735         17.100         6.136         12.232         1           4.21         1.371         1.735         17.356         17.323         1         2
422         5,676         4,935         3,709           316         1,666         1,415         2,667           116         1,666         1,415         1,042           2,042         27,332         25,175         1,042           2,549         19,292         17,804         12,445           533         8,040         7,371         4,871           533         8,040         7,371         4,871           533         8,040         7,371         4,871           533         8,040         7,371         4,871           51,18         14,590         12,662         9,1056	4,780         3,500           3,420         2,585           1,360         1,814           13,123         8,537           5397         3,277           5397         3,277           12,532         8,408	· · · ·	4,244         2,902         1,342         676           3,059         2,159         900         484           1,185         743         442         132           1,185         743         442         132           17,236         11,100         6,136         1,250	1         2.287
3.16         4.010         3.519         2.667           1.166         1.1666         1.416         1.042           2.082         27.332         25.175         1.042           1.546         12.342         25.175         1.7316           1.549         19.292         17.864         12.445           533         8.040         7.371         4.871           5134         8.040         7.371         4.871           3.146         12.659         112.659         10.265           3.138         14.630         12.665         10.265	3,420 2,585 1,360 915 18,520 11,814 13,123 8,537 5,397 3,277 12,552 8,408	· ·	3,059         2,159         900         484           1,185         743         442         192           17,236         11,100         6,136         1,239         2	866
176         1.666         1.416         1.042           2.082         2.332         2.5175         17.316           1.549         19.292         17.864         12.445           553         8.040         7.371         4.871           4.053         18.871         16.156         10.265           3.144         14.530         17.364         12.65	1,360 915 18,520 11,814 13,123 8,537 5,397 3,277 12,532 8,408		1,185 743 442 192 17,236 11,100 6,136 1,239 2	421         (377         1.185         743         442         1923           6,458         2536         18,495         17.236         11.100         6,136         12.392         2           6,158         73.10         15.71         1.1.85         743         442         1392           6,458         18,495         17.236         11.100         6,136         12.392         2           6,106         18,107         19.716         19.716         19.719         8827         1
2.062         27.332         25.175         17.316           1.540         19.292         17.864         12.445           533         8.040         7.371         4.871           4.063         18.871         16.159         11.265           3.144         14.530         12.662         9.065	18.520 11.814 13,123 8.537 5.397 3.277 12,532 8,408		17,236 11,100 6,136 1,259	6,458 2,536 18,495 17,236 11,100 6,136 1,259 A 300 41710 13 771 17 334 8 034 A 708 887
IL546         I9.292         I7.804         I2.445           533         8.040         7.371         4.871           45065         18.871         16.159         11.265           3.148         14.630         12.662         9.065	13,123 8,537 5,397 3,277 12,532 8,408			A 200 A 200 A 201 17 334 B 036 A 708
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102 7.831 7.605 5.394	7,161 3,943		6,940 4,877 2,063 343	2,151 307 7,283 6,940 4,877 2,063 343
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10,731 3,540 36,588 31,638 18,873 12,765	27,426 16,695	986 30,966	16.378 8,120 4,986	24,498 16,378 8,120 4,986

Appendix 1. School Enrollment in Tete Province by District, 1995-1999 (2/3)

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Appendix 1. School Enrollment in Tete Province by District, 1995-1999 (3/3)

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	-		784	422	362 54	1.073	1.490	832	658 4	1,284	1 230	723	507 54	1,520	1.315	764	551 205		1,925	1,269	656 3160
Study Area	hod	2 401 :	2.287	1.363			4.817	2,742		,786 3,838					4,053	2.335		2 5,168	5,536	3,619	1.917 -368
	٨q	1.743	1.661	1.024	637 82	2,133	3,486	2,013	<b>a</b>		I_			3,322	2.996	1.717	1,279 326		3,985	2,639	1,346 88-268
	Eirl	658	626	339	1.	898	1,331	729			1,016	571			1,057	618	2		1,551	980	571
	<u> </u>	1995				1996				1997				1998				1999			
District	Scx	beg	cnd	Dass	repeat drup	beg	end	pass n	repeat drop	2 S	cnd	bass	repeat drop	ре <mark>8</mark>	end	pass t	repeat drop	beg	cad :	pass	repeat drop
	both	0	0	6		0	0	5			0	0	0 0	0	0	0	0  \$\$	15	8	5	3 7
	- Age		-															<u>8</u> 12	7	4	3 5
	, Fig		<u> </u>													_		3 (	1	1	0
7 Tete city	hod	392	399	208	30	428	427	290	137				140 156	428	0	0	0	2176	692	459	2000
	- AG	286	291	162	129 -5	332	327	225	102	-		 	106 12					赘 571	496	296	
	i i i	106	108	46	62 -2	96	001	65	35	4 94	90	56						205	196	163	339
Province	poth	0	0	0	0 0	0	0	0	0	0		0	0					161	604	464	
	boy						   :			0.02								583	503	300	
	\$url															1		208	197	164	

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Appendix 2. Teachers at EP1, EP2 and ESG1 Schools - Tete, 1995-1999 (2000) (1/2)

T-st ratio     Total     T-st ratio       1:62     453     1:72       1:62     453     1:72       1:66     32     1:70       1:66     90     1:76       1:66     304     1:61       1:60     304     1:61       1:63     348     1:65       1:64     2:308     1:60       1:64     2:308     1:69		-		1995	Í	1996		· 1997			1998			1999			2000	T
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	503     30       94     3       94     3       94     3       94     3       94     3       94     3       94     3       94     3       94     3       94     3       94     3       94     3       94     3       94     4       95     1,17       361     1,17	-+-		T-st ratio	1	T-st ratio	Total	Trained (%)	T-st ratio	Total	Trained (%)	T-st ratio		Trained (%)	T-st ratio	F	Trained	(%)
1:66         32         1:70         42         28         (6.7)         1:96         58         32         (55.2)         1:74         61         31         (50.8)         1:72         94         33           1:66         37         1:47         71         41         (57.7)         1:38         91         45         (49.5)         1:74         61         1:75         176         73           1:66         90         1:76         113         70         (61.9)         1:74         130         77         (39.2)         1:83         147         72         (49.0)         1:75         176         77           1:60         304         1:61         346         239         (61.9)         1:74         130         77         (59.2)         1:83         147         72         (49.0)         1:76         7           1:60         304         1:61         346         239         (61.9)         1:74         130         7 $(59.2)$ 1:76         7 $(49.2)$ 7 $(49.2)$ 7 $(49.2)$ 7 $(49.2)$ 7 $(49.2)$ 7 $(49.2)$ 7 $(49.2)$ <t< th=""><th>94     3       94     3       94     6       134     6       136     7       136     1       136     1       11     1       228     1       212     1</th><th>+</th><th>_</th><th>1:62</th><th>_</th><th>1:72</th><th>480</th><th>264 (55.0)</th><th>1:66</th><th>532</th><th>310 (58.3)</th><th>_</th><th>505</th><th>304 (60.3</th><th>_</th><th>503</th><th>303</th><th>(60.2)</th></t<>	94     3       94     3       94     6       134     6       136     7       136     1       136     1       11     1       228     1       212     1	+	_	1:62	_	1:72	480	264 (55.0)	1:66	532	310 (58.3)	_	505	304 (60.3	_	503	303	(60.2)
1:66         32         1:70         42         28         (66.7)         1:96         58         32         (55.2)         1:74         61         31         (50.8)         1:72         94         3           1:66         37         1:47         71         41         (57.7)         1:38         91         45         (49.5)         1:68         102         47         (46.1)         1:75         94         3           1:66         90         1:76         113         70         (61.9)         1:74         130         77         (59.2)         1:83         147         72         (49.0)         1:75         176         7           1:66         304         1:61         346         239         (69.1)         1:56         390         239         (61.9)         1:76         7           1:60         304         1:61         346         239         (69.1)         1:56         390         239         (61.9)         1:74         442         26           1:60         304         1:69         310         76.91         1:70         386         239         (61.9)         1:74         442         26         1:67         400	94         3           94         3           94         6           134         6           176         7           176         7           176         2           142         26           142         26           11         2           12         1           212         1           213         1           213         1           213         1           213         1           213         1           213         1						10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	States & South States					11. Sec. 1					
1:66         32         1:70         42         28         (66.7)         1:96         58         32         (55.2)         1:74         61         31         (50.8)         1:72         94         33           1:66         90         177         147         71         41         (57.7)         1:38         91         45         (49.5)         1:56         1:34         66         134         75         134         66         7           1:66         90         1:76         113         70         (61.9)         1:74         130         77         (59.2)         1:83         147         72         (49.0)         1:76         7           1:60         304         1:61         346         239         (69.1)         1:66         346         239         (69.1)         1:70         386         239         (19.7)         1:74         442           1:60         304         1:60         390         245         (62.8)         1:70         385         313         (11.7)         442         26         1         1<43         1         1         1         1         1         1         1         1         1:70         385	94         94         3           134         6         6           176         7         7           176         2         6           142         26         14           12         11         26           13         1,82         11           22         1,13         30           61         1,17         31													10 40 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4 1 4				(a) (a)
1:66         32         1:70         42         28         060.1         1:39         32         1:70         47         (46.1)         1:64         134         66           1:66         90         1:76         113         70         (619)         1:74         130         17         72         (49.1)         1:64         134         66           1:66         90         1:76         113         70         (619)         1:74         130         17         72         (49.0)         1:75         176         76           1:60         304         1:61         346         239         (69.1)         1:60         390         245         (52.8)         1:70         386         239         61.9         1:74         442         266           1:60         304         1:61         346         239         (69.1)         1:60         390         236         1:76         472         422         266           1:60         304         1:61         346         239         (61.9)         1:76         313         81.3         1:77         1:40         1:24         226           1:60         304         1:61         403	134         66           176         76           18         26           19         266           11         266           12         116           13         1,825           21         1,172           261         1,172		Sector Sector						1.06	202	20 /55 0		41	31 (50)		44	36	(38.3)
1:60         57         1:47         71         41         57.7)         1:38         91         45         49.5.7)         1:68         102         41         46.1.1         1:76         1:76         1:76         1:76         76           1:66         90         1:76         113         70         (61.9)         1:74         130         77         (59.2)         1:83         147         72         (49.0)         1:75         176         76           1:60         304         1:61         346         239         (69.1)         1:50         390         245         (62.8)         1:70         386         239         (51.9)         1:74         442         266           1:60         304         1:61         403         310         (76.9)         1:70         386         239         (51.9)         1:74         442         266           1:60         304         1:61         403         310         (76.9)         1:70         386         313         (81.3)         1:74         442         266           1:60         311         1:02         386         239         (61.9)         1:74         400         306           1	176         76         76           176         76         76           176         16         266           173         116         212           173         339         339           212         116         365           213         116         316           213         116         316           214         116         317           215         116         316           211         116         316           211         116         316           211         116         316           211         116         316           211         116         316           211         116         316           211         116         317		4	1:66	32	1:/0	42	79 (00.7)	06:T	0	(7°CC) 7C						3	10.01
1:66         90         1:76         113         70         (61.9)         1:74         130         77         (59.2)         1:83         147         72         (49.0)         1:75         176         76           1:60         304         1:61         346         239         (69.1)         1:50         390         245         (52.8)         1:70         386         239         (61.9)         1:74         442         266           1:60         304         1:61         346         239         (69.1)         1:50         390         245         (52.8)         1:70         386         239         (61.9)         1:74         442         266           1:60         304         1:61         346         239         (69.1)         1:60         390         245         (52.8)         1:70         386         239         (61.9)         1:74         442         266           1:60         311         1:102         168         88         (52.4)         1:79         167         385         313         (81.3)         1:67         400         306           1:61         1:102         1:68         1:79         1:69         1:69         1:67	76 76 76 76 76 76 76 76 76 76 76 76 76 7	† -	51	1:69	57	1:47	11	41 (57.7)	1:38	91	45 (49.5)		102	47 (40.)		5	8	(5.64)
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	11         12         13           11         256         14           11         256         16           11         116         116           11         116         116           113         116         116           113         116         116           114         116         116           115         116         116           116         116         116           117         116         116           117         116         1172	$\uparrow$	8	1-66	8	1:76	113	70 (61.9)	1:74	130	i -		147	72 (49.(		176	76	(43.2)
1:60       304       1:61       346       239       (69.1)       1:50       390       245       (62.8)       1:70       386       239       (61.9)       1:74       442       256         1:60       304       1:61       346       239       (69.1)       1:50       390       245       (62.8)       1:70       386       239       (61.9)       1:74       442       256         1:62       348       1:65       374       304       813.3       1:61       385       313       (81.3)       1:67       400       309         1:62       348       1:62       310       (76.9)       1:61       385       313       (81.3)       1:67       400       309         1:77       131       1:102       168       88       (52.4)       1:79       182       212       116       100       52.4)       1:79       212       116         1:73       18       1:102       168       2.529       1:68       2.92       1.717       1:69       1:72       (59.4)       1:69       1.825       1.825       1.825       1.825       1.825       1.825       1.825       1.825       1.825       1.825       1.825	H12         266           NG         114           NG         116           NG         309           212         116           738         1,825           361         1,172					101 St. 101	143 - P. 188			83 / AC 00000	State of the Second		10 10 10 10 10 10 10 10 10 10 10 10 10 1					
1:60         304         1:61         346         239         (69.1)         1:60         390         245         (62.8)         1:70         386         239         (61.9)         1:74         442         266           1:62         348         1:65         374         304         1:61         366         1:70         386         239         (61.9)         1:74         442         266           1:62         374         304         (81.3)         1:61         403         310         (76.9)         1:61         385         313         81.3)         1:67         400         309           1:73         131         1:102         168         88         (52.4)         1:79         182         92         (50.5)         1:80         191         100         (52.4)         1:79         212         116           1:73         131         1:102         168         (52.4)         1:79         180         191         100         (52.4)         1:79         212         116           1:73         131         1:102         168         (53.5)         1:812         1:75         58.7         1:80         1:77         (59.4)         1:79         212 </td <td>H12         256           N3         118           212         116           213         116           213         116           214         309           215         116           216         116           217         116           228         1,825           261         1,172</td> <th>Ċ2</th> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>というないの</td> <td></td> <td></td> <td></td> <td>0.03</td>	H12         256           N3         118           212         116           213         116           213         116           214         309           215         116           216         116           217         116           228         1,825           261         1,172	Ċ2			1									というないの				0.03
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	NS         1.18           212         116           212         116           213         116           214         1.825           206         1.825           201         1.172	Ö	LCC	1.60	304	1.61	97E		1:60	060			386	239 (61.9		442	266	(60.2)
1:62       348       1:65       374       304       (81.3)       1:61       385       313       (81.3)       1:67       400       309         1:73       131       1:102       168       88       (52.4)       1:79       182       92       (50.5)       1:80       191       100       (52.4)       1:79       212       116         1:64       2,308       1:69       2,529       1;68       2,922       1,715       (58.7)       1:68       2,908       1,727       (59.4)       1:79       27       182       31.28       1,825<	400         309           212         116           228         1,825           261         1,172		170	0071		10.1								100 CO			11	(939)
1.73         131         1:102         168         88         (52.4)         1:79         182         92         (50.5)         1:80         191         100         (52.4)         1:79         212         116           1:73         131         1:102         168         88         (52.4)         1:79         127         131         1:79         212         116         79         135         136         136         136         136         136         136         136         136         136         135         136         135         136         135         135         1355         1355         1355         1365         1328         1328         1328         1325 <td>212         116           73         35           228         1,825           361         1,172</td> <th></th> <td>260</td> <td>1.60</td> <td>348</td> <td>1.65</td> <td>374</td> <td>304 (81.3)</td> <td></td> <td>403</td> <td>310 (76.9)</td> <td></td> <td>385</td> <td>313 (81.</td> <td>_</td> <td>400 004</td> <td>309</td> <td></td>	212         116           73         35           228         1,825           361         1,172		260	1.60	348	1.65	374	304 (81.3)		403	310 (76.9)		385	313 (81.	_	400 004	309	
1.1.0         1.1.0 <th< td=""><td><b>228</b> 1,825 261 1,172</td><th></th><td>212</td><td>1,72</td><td>121</td><td>1-100</td><td>168</td><td>88 (52.4)</td><td>1.79</td><td>182</td><td>92 (50.5)</td><td>-</td><td>191</td><td>100 (52.4</td><td>_</td><td>212</td><td>116</td><td>(54.7)</td></th<>	<b>228</b> 1,825 261 1,172		212	1,72	121	1-100	168	88 (52.4)	1.79	182	92 (50.5)	-	191	100 (52.4	_	212	116	(54.7)
1:64         2,308         1:69         2,529         1,607         (63.5)         1:68         2,922         1,715         (58.7)         1:68         2,908         1,727         (59.4)         1:69         3,228         1,825           1:64         1.415         1.70         1.594         1.034         (64.9)         1:65         1,716         (52.2)         1:68         1,777         (59.4)         1:69         3,228         1,825           1:64         1.415         1.70         1.594         1.034         (64.9)         1:65         1,786         1,777         1,106         (62.2)         1:69         1,172	228 1,825 961 1,172		717	<i>C1.1</i>	161	101.1	20T				100 B		<b>3</b>			2	32	
1.04 1.415 1.70 1.594 1.034 (64.9) 1.65 1.786 1.111 (62.2) 1.68 1.777 1.106 (62.2) 1.69 1.961 1.172	961 1,172		1935 0	1.64	3.05 0	1.60	2 570	1 607 (63.5)	1:68	2.922	1.715 (58.7)		2,908			3,228		(56.5)
	. Triviori reactions are there who have commissed both EP2 education and three-ver pedagogical training at FP (primary teacher-training) centerly.	1-	1 666	5 1 2 2	1.415		1.594	1.034 (64.9)	1:65	1,786	1,111 (62.2)		1,777	1,106 (62.		1,961	1,172	(59.8)

			1995		1996		1997	1	1998	[	1999
ľã	District	Total	T-st ratio	Total	T-st ratio	Total	T-st ratio	Total	T-st ratio	Total	T-st ratio
An	Angonia	52	1:32	78	1:27	74	1:28	50	1:39	45	1:47
							3474 E				
10	ifunde	0	n.a.	0	11.8.	0	п.а.	3	1:16	4	1:26
0	hiuta	0	n.a.	0	n.a.	9	1:29	6	1:30	12	1:20
Ma	Aacanga	0	n.a.	S	1:26	7	1:29	L	1:30	7	1:31
90. 191				0	10101		623				212
Mc	Aoatize	21	1:57	22	1:47	31	1:49	41	1:40	47	1:43
		0		0	152	21	1.15	<b>C</b>	121	33	133
Tel I	cte city	102	1:43	121	1:38	116	1:45	106	1:51	117	1:47
L,	Sangano	0	п.а.	13	1:22	13	1:26	13	1:28	14	1:21
	tanka	0	1.1	0	1.1	0	1.1.	9			
μ	Province	242	1:45	332	1:37	387	1:36	394	1:38	394	1:41
Sto	Study Area	175	1:42	239	1:34	247	1:38	229	1:43	246	1:43

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Appendix 2. Teachers at EP1, EP2 and ESG1 Schools - Tete, 1995-1999 (2000) (1/2)

		5	Ŧ		3	<u></u>	3	ନ	6	8	6		6	e E	2	6	ŝ	<u></u>	
	(%)	(60.2)	(74,4)		(7-10)	(38.3)	66 (49.3)	(43.2)	69 (56.6)	49 (39.8)	266 (60.2)		(a. 46)	(17.3)	16 (54.7)	35 (44.3	(56.5)	(59.8)	
2000	Trained	303	169		717	36	99	76	69	49	266	007	114	309	116	8	1.825	1,172	
	Total T	503	227		424	94	134	176	122	123	442	*	292	400	212	- 79	3,228	1,961	erls.
	T-st ratio	1.62	1:66		F:03	1:72	1.64	1:75	1:99	1:64	76-1	± / · ·	1:68	1:67	1:79	1:67	1:69	1:69	ning) cente
1999	(%)	(60.2)	(75.4)		505 (51.9)	(50.8)	(46.1)	(49.0)	(75.3)	(51.6)	161 01		(425)	(81.3)	(52.4)	(44.3)	(59.4)	(62.2)	acher-trail
	Trained (%)	304	156		502	31	47	72	58	48	020	607	119 (	313	100	35	1,727	1,106	rimary te
	Total	505	207	2	395	61	102	147	LL	63	305	000	280	385	191	61	2,908	1,777	at FP (pr
	T-st ratio	1:62	1.67		1:67	1:74	1:68	1:83	1:88	1:70	001	1://	l:66	1:61	1:80	1:76	1:68	1:68	al training
1998	(%)	(58.3)	11017		(49.8)	(55.2)	(49.5)	(59.2)	(90.5)	(1 25)	10 077	(0.20)	(29.5)	(16.9)	(50.5)	34 (52.3)	(58.7)	(62.2)	edagogic
15	Trained	310	121	101	209	32	<b>5</b>	E	(9	£1	1.1	C47	84	310	92	34	1,715	1,111	ee-vear p
	Total	532	110	715	420	58	6	130	74	81	+	390	285	403	182	65	2,922	1,786	on and thr
	T-st ratio	1:66	NE.1.3	1.74	1:72	1:96	1:38	1:74	09-1	1.91		1:6U	1:73	1:61	1:79	1:71	1:68	1:65	leted both FP2 education and three year bedacogical training at FP (primary teacher-training) centerls.
1997	(%)	264 (55.0)	KOD AV	(00.00)	(61.3)	(66.7)	(57.7)	70 (61.9)	KO (68 0)	10.02		(69.1)	(40.4)	(81.3)	1		1.607 (63.5)	1.034 (64.9)	d hoth F
. 15	Trained (%)	264	C7.4	141	203 (	28	- - - - -	70	cy .	YE.		239	92	304	88	35	1.607	1.034	complete
	Total			TOV	IEE	42	12	113	VO	22	3	346	228	374	168	54	2 529	1.594	who have
1996	Total T-st ratio	1.77	1.1.4	t.	1:52	1:70	1:47	1.76	01.1	1.01	1.01	1:61	1:83	1.65	1 102	EE-L	1.69	1:70	Truined teachers are defined as those who have comp
	. <del> </del>			<b>7</b> 07	332	32	5	8	70	10	5	304	10	348	111	48	30F C	1,415	anilar ar
1005	Total T. et ratio	1.67	70.7	1:30	1:55	1:66	1:69	1-66	1.70	1.00	1-00	1:60	06-1	1.62	1.73	1.16	1-64	1-64	taschere a
10	Total	570	210	181	866	41	1.2	50	00	•	It	327	328	360	1010	36	2 564	1 666	-
_	tot.	and a	Auguna	Cahora Baasa	Тапеага	hifunde	hinta	Macanga	anga	Mague	Marayia	Moatize	Mistarara	Teto city		7 mho	Drovince	Shidy Area	Noton
	District		- <u>2</u> 2	P Cab	E	jie J			TAL	Na Na	MIGH	IMoŝ	Nin	Teto		The	D		
		Ľ	-																

	_	1995	<b>r4</b>	1990		1997		1998		1999
District	Total	Total   T-st ratio	Total	Total T-st ratio	Total	T-st ratio	Total	Total T-st ratio	Total	T-st ratio
Angonia	52	1:32	78	1:27	74	1:28	50	1:39	45	1:47
ra Basea	30	1:38	37	1:40	28	1:55	30	1:52	30	1:58
2.87.8	32	1:63	42	1:43	69	L:24	<b>\$</b>	1:37	43	1:44
Chifunde	0	n.a.	0	n.a.	0	n.a.	θ	1:16	4	1:26
Chiuta	0	п.а.	0	n.a.	0	1:29	6	1:30	12	1:20
nga	0	n.a.	5	1:26	7	1:29	7	1:30	7	1:31
36	5	1:65	5	1:104	SI	1:29	27	1:14	90E	1:15
Eiv	0	<b>n.a</b> .	0	<u>n.a</u>	1	1:17	1	1:28	7	1:32
ize	21	1:57	22	1:47	31	1:49	41	1:40	47	1:43
TATA	0	<u>11.8.</u>	6	1:52	21	1:35	47	1:21	32	1:32
city	102	1:43	121	1:38	116	1:45	106	1:51	117	1:47
cano	0	n.a.	13	1:22	13	1:26	E	1:28	14	1:21
Zumbo	0	na	0	<b>D.</b> 3.	0	<b>D.</b> A.	9	1:19	9	1:22
Province	242	1:45	332	1:37	387	1:36	394	1:38	394	1:41
/ Area	175	1-42	239	1:34	247	1:38	229	1:43	246	1:43
	Angonia Cahora Basea Changara Chitude Chitude Chitua Macanga Macanga Maravia Maravia Matavia Matavia Tete city Tete city		52         30         32<	52         1:32         52         1:32         53         1:33         53         1:33         53         54         55         56         157         50         157         50         157         50         157         15         156         157         15         157         157         157         157         157         157         157         157         157         157         157         157         157         157         157         157	52         1:32         78           32         1:38         37           32         1:63         42           0         n.a.         0           10         n.a.         0           11         1:57         22           21         1:57         22           21         1:57         22           102         n.a.         9           0         n.a.         13           0         n.a.         13           102         1:43         121           1102         1:43         131           1102         1:43         332           175         1:42         239	52         1:32         78         1:27         7           32         1:63         37         1:40         2           0         n.a.         0         n.a.         0         n.a.           0         n.a.         0         n.a.         0         n.a.           0         n.a.         0         n.a.         1:43         6           5         1:65         5         1:064         1           21         1:57         22         1:47         3           21         1:57         22         1:47         3           1:02         1:43         121         1:38         1           1:02         1:43         121         1:38         1           0         n.a.         13         1:22         1         3           0         n.a.         13         1:22         1         3         1         3           1:75         1:42         239         1:34         23         1         3         3	52 $1:32$ 78 $1:27$ 74           32 $1:38$ $37$ $1:40$ $28$ 32 $1:63$ $42$ $1:43$ $69$ 0         n.a.         0         n.a.         0           0         n.a.         0         n.a.         6           0         n.a.         0         n.a.         6           0         n.a.         0         n.a.         6           5 $1:65$ $5$ $1:26$ 7           21 $1:5$ $2$ $1:26$ 7 $21$ $1:57$ $22$ $1:47$ $31$ $21$ $1:57$ $22$ $1:47$ $31$ $0$ $n.a$ $9$ $1:32$ $1:3$ $0$ $n.a$ $9$ $1:32$ $1:3$ $0$ $n.a$ $9$ $1:22$ $1:3$ $0$ $n.a$ $1:21$ $1:32$ $1:3$ $0$ $n.a$ $1:22$ $1:3$ $2:37$ <	52         1:32         78         1:27         74         1:28           32         1:63         37         1:40         28         1:55           0         n.a.         0         n.a.         0         1.28         1:55           0         n.a.         0         n.a.         0         n.a.         1:28         1:55           0         n.a.         0         n.a.         0         n.a.         6         1:29           0         n.a.         5         1:65         5         1:26         7         1:29           5         1:65         5         1:164         15         1:29           21         1:57         22         1:47         31         1:49           21         1:57         22         1:47         31         1:49           0         n.a.         9         1:52         13         1:26           1:02         1:43         1:21         1:38         116         1:45           0         n.a.         1:33         1:26         1:45         1:45           0         n.a.         1:33         1:26         1:45         1:45	52         1:32         78         1:27         74         1:28         50 $32$ 1:63 $37$ 1:40 $28$ $1:55$ $30$ $30$ $32$ 1:63 $42$ 1:40 $28$ $1:55$ $30$ $31$ $0$ $n.a.$ $0$ $n.a.$ $0$ $n.a.$ $31$ $1:57$ $30$ $31$ $0$ $n.a.$ $0$ $n.a.$ $6$ $1:29$ $9$ $31$ $0$ $n.a.$ $0$ $n.a.$ $6$ $1:29$ $7$ $1$ $31$ $1:17$ $7$ $7$ $5$ $1:65$ $5$ $1:04$ $15$ $1:29$ $7$ $1$ $7$	52         1:32         78         1:27         74         1:28         50         1:39 $32$ 1:63 $37$ 1:40 $28$ 1:55 $30$ 1:52 $30$ 1:52 $0$ $n.a.$ $0$ $n.a.$ $0$ $n.a.$ $3$ 1:16 $0$ $n.a.$ $0$ $n.a.$ $0$ $n.a.$ $3$ 1:16 $0$ $n.a.$ $0$ $n.a.$ $0$ $n.a.$ $3$ 1:16 $0$ $n.a.$ $0$ $n.a.$ $0$ $n.a.$ $3$ 1:16 $0$ $n.a.$ $0$ $n.a.$ $0$ $n.a.$ $3$ 1:16 $0$ $n.a.$ $0$ $n.a.$ $0$ $n.a.$ $3$ 1:16 $1:57$ $22$ $1:77$ $22$ $1:47$ $31$ $1:49$ $1:40$ $0$ $n.a.$ $0$ $1:38$ $1:36$ $1:31$ $1:40$ $0$ $1:57$ <

Appendix 2. Teachers at EP1, EP2 and ESG1 Schools - Tete, 1995-1999 (2000) (2/2)

	T-st ratio	1:31		1:17		1:47	1:36	1:38
1999	ESG1 T-	38	- 3	19		78	184	135
1998	ESG1 T-st ratio ESG1	1:31		n.e.		1:38	1:38	1:37
1	ESG1	33		<u>n</u> .a.		91	154	124
1997	ESG1 T-st ratio	1:24		<b>n.a</b> .		1:43	1:45	1:37
I	ESG1	67		<b>n.a</b> .		74	107	103
1996	T-st ratio	1:10		<b>D.A.</b>	and the second second second second second second second second second second second second second second secon	1:35	1:24	1:25
1	ESG1	48		•		72	150	120
1995	T-st ratio ESG1	1.11		11.8.		1:48	1:28	1:33
	ESG1	29	an tang	0		43	116	72
						Y.	8	<b>Irea</b>
	District	Angonia		Moatize		Tete city	Province	Study Area

(2/2)
Tete, 1995-1999 (2000)
Tete, 1995
chools -
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Teachers a
pendix 2.
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1996 1997 1998	atio ESG1 T-st ratio ESG1 T-st ratio ESG1 T-st ratio ESG1 T-st ratio	1 48 1:10 29 1:24 33 1:31 38 1:31	<u>30</u> 1:20 4 1:152 13 1:54 17	0 n.a. n.a. n.a. 9 1.38   14	ц 0 n.a. n.a. n.a. n.a. n.a. 11 1/15	0 n.a. n.a. n.a. 19	0 па па 1.9 В 1.9	72 1:35 74 1:43 91 1:38 78	150 1:24 107 1:45 154 1:38 184	201 30.1 001
1995	ESG1 T-st ratio	29 1:11	30 1:21		0 n.a.	0 n.a.	14 n.a.	43 ]:48	116 1:28	7.7 1.33
	District E	Angonia	Cahora Bassa	Changara	Magoe	Moatize	Mutarara	Tete city	Province	Studie Area

		Tete prov.	Study Area	(share)	Angonia	(share)	Chifunde	(share)	Chiuta	(share)	Macanga	(share)	Moatize	(share)	Tete city	(share)	Tsangano	(share)
	Area (km <sup>2</sup> )	100.800	39,598		3,427		9,326		6,887		7,340		8,879		300		3,439	
	Population (1997)	1,144,604		(62.1%)	247,999	(34.9%)	48,498	(6.8%)	50,372	(7.1%)	46,515	(6.5%)	109,103	(15.3%)	101,948	(14.3%)	106,557	(15.0%)
	Population density (/km <sup>2</sup> )	11.4	18.0		72.4		5.2		7.3		6.3		12.3		339.8		31.0	
EP1 Se	chools	605	337	(55.7%)	115	(34.1%)	20	(5.9%)	43	(12.8%)	38	(11.3%)	52	(15.4%)	21	(6.2%)	48	(14.2%)
	lassrooms	1,787	1,008	(56.4%)	206	(20.4%)	49	(4.9%)	100	(9.9%)	119	(11.8%)	257	(25.5%)	137	(13.6%)	140	(13.9%)
	rooms/school (ave.)	3.0	3.0		1.8		2.5		2.3		3.1		4.9		6.5		2.9	
	arollment	201.698	122,974	(61.0%)	31,520	(25.6%)	4,404	(3.6%)	6,567	(5.3%)	11,096	(9.0%)	28,609	(23.3%)	25,737	(20.9%)	15,041	(12.2%)
	students/school (ave.)	333	365		274	• •	220	-	153		292		550		1,226		313	
	eachers	2.908	1,777	(61.1%)	505	(28.4%)	61	(3.4%)	102	(5.7%)	147	(8.3%)	386	(21.7%)	385	(21.7%)	191	(10.7%
	trained (%)	59.4%	62.2%		60.2%	, ,	50.8%		46.1%		49.0%		61.9%		81.3%		52.4%	
	tudent-teacher ratio	1:69	1:69		1:62		1:72		1:64		1:75		1:74		1:67		1:79	
	tudent-classroom ratio	1:113	1:122		1:153		1:90		1:66		1:93		1:111		1:188		1:107	
	ross enrollment (%)	75.3%	<b>n.a</b> :		<b>D.a.</b>		n.a.		n.a.		D. 8.		n.a.		n.a.		p.a.	
	fet enrollment (%)	49.2%	n.a.		D.a.		<u>n.a.</u>		<b>n.a</b> .		D. 8.		<b>n.a</b> .		n.a.		n.a.	
	ass (%)	67.1%	65.6%		53.9%		66.9%		84.9%		63.4%		68.9%		71.1%		67.4%	
	epetition (%)	27.1%	24.4%		24.4%		26.4%		25.2%		28.4%		29.4%		24.5%		27.1%	
	• • •	5.9%	8.0%		21.7%		6.6%		±		8.1%		1.7%		4,4%		5.6%	
	ropout (%)	J.9% JL8.	0.0 % IL 8.		л.а.		n.a.		n.a.		D.8.		<b>n.a</b> .		n.a.		<b>D.B.</b>	
	raduation (%)	79.4%	91.6%		93.8%		83.5%		75.1%		98.0%		91.8%		100.4%		50.3%	
	P1-EP2 transition* (%)	31		(58.1%)	5.00	(33.3%)	1	(5.6%)	1	(5.6%)	1	(5.6%)	3	(16.7%)	4	(22.2%)		(11.1%
	chools	15,991	10.525	(65.8%)	2,116	•	102	(1.0%)	242	(2.3%)	216	(2.1%)	2.031	(19.3%)	5.531	(52.6%)	287	(2.7%
	nroliment	516	585	(02.670)	353	(10.170)	102	(1.0 /2)	242	(10/-)	216	()	677	<b>(</b> · · ·	1,383		144	•
	students/school (ave.)	394	246		45	(18.3%)	4	(1.6%)	12	(4.9%)	7	(2.8%)	47	(19.1%)	117	(47.6%)	14	(5.79
	eachers	1:41	1:43		1:47	(20.5 %)	1:26	(1.0%)	1:20	(	1:31	()	1:43	<b>、</b> ,	1:47		1:21	•
-	tudent-teacher ratio		1.45 L.a.		1.97 D.a.		n.a.		n.a.		L.a.		ŋ.a.		11.8.		n.a.	
	ross enrollment (%)	D.8.	S W. Brahming a		n.a.		n.a. n.a.		n.a.		D. 8.		п.а.		D.8.		D. B.	
	let enroliment (%)	n.a. 61.0%	n.a. 62.9%		57.1%		69.6%		71.9%		68.5%		53.0%		67.7%		67,9%	
	ass (%)		29.6%		32.3%		9,8%		14.0%		11.1%		44.2%		25.6%		18.5%	
	epetition (%)	29.1%	(iii) do 730 7 000				20.6%		14.0%		20.4%		2.8%		6.7%		13.6%	
	ropout (%)	9.8%	7.5%		10.5%						10.4% D.a.		n.a.		0.1% D.a.		D.A.	
	Fraduation (%)	D. 8.	<b>D.A</b> .		E.a.		E.B.		n.a. 0.0%		0.0%	1	75.2%		78.5%		0.0%	
	P2-ESG1 transition* (%)	69.3%	72.1		88.1%	100.000	0.0%		0.0%		0.0%		1 1	(20.0%)	10.5%	(20.0%)	0.0 %	
BSG1 S		9	5	(55.6%)	3				-		-		325	(6.3%)		(70.7%)	n.a.	
	inrollment	6,690	12 MARINE 7 MILE 12	(77.2%)	1,187	(23.0%)	<b>n.a</b> .		n.a.		D.a.		523 19	(14.1%)	5,050	• •	n.a. 11.a.	
-	eachers	184	· · · · · · · · · · · · · · · · · · ·	(73.4%)	38	(28.1%)	n.a.		n.a.		D. 2.		1:17	(14.170)	1:47	(37.070)	11.a. 11.a.	
	tudent-teacher ratio	1:36	1:38		1:31		<b>n.a</b> .		n.a.		n.a.		71.7%		65.2%		п.а. п.а.	
	ass (%)†	76.0%	70.0%		84.4%		<b>п.</b> в.		n.a.		n.a.				36.8%			
R	epetition (%)†	35.2%	37.1%		41.6%		n.a.		ŋ.a.		D.8.		24.0%				n.a.	
D	ropout (%)	+			‡		n.a.		Π.2.		D.a.		4.3%		+		n.a.	
	raduation (%)	n.a.	n.a.		n.a.		n.a.		Ц. <b>2.</b>		<b>D.8</b> .		<b>n.a</b> .		D.a.		n.a.	
	SG1-ESG2 transition (%)	<b>n.a</b> .	1.8.		n.a.		<u>n.a.</u>		n.a.		<u>n.a.</u>		<u>n.a.</u>		D.8.		<u></u>	
	chools	2	1	(50.0%)	0		0		0		0		0		1		0	
	nrollment	791	776	(98.1%)	п.а.		n.a.		<u>ц</u> .а.		n.a.		n.a.		776		21.8.	
T	eachers	n.a.	n.a.		<u>n</u> .a.		<b>ŋ.a</b> .		0.8.		<b>D.</b> a.		ŋ. <b>a</b> .		<b>D.a</b> .		. n.a.	
S	tudent-teacher ratio	n.a.	n.a.		n.a.		<b>n</b> .a.		n.a.		<b>B.</b> 2.		D.8.		G. ä.		n.a.	
P	ass (%)	58.7%	59:1%		<b>n.a</b> .		n.a.		n.a.		<b>n.a</b> .		<b>D.8</b> .		59.1%		п.а.	
R	epetition (%)	29.8%	30.0%		n.a.		<b>n.a</b> .		п.а.		<b>n.a</b> .		<b>E.a</b> .		30.0%		<b>n.a</b> .	
D	topout (%)	11. <b>5%</b>	10.8%		n.a.		<b>n.a</b> .		<b>n.a</b> .		<b>n.a</b> .		n.a.		10.8%		n.a.	
G	Fraduation (%)	<b>11.8.</b>	n.a.		n.a.		n.a.		n.a.		<b>n.a</b> .		D. 8.		D. 8.		n.a.	

# Appendix 3. Primary Schools and Secondary Schools in the Study Area (Composite), 1999

\* from 1999-2000, only for male students; † pass rate + repetition rate > 100% due to influx of transfer/returning students in mid-year; ‡ negative value due to pass rate + repetition rate > 100%

		Tete prov.	Study Area	(share)	Angonia	(share)	Chifunde	(share)	Chiuta	(share)	Macanga	(share)	Moatize	(share)	Tete city	(share)	Tsangano	(share)
	Area (km²)	100,800	39,598	. <b></b> .	3,427		9,326		6,887		7,340		8,879		300		3,439	
	Population (1997)	1,144,604	710,992	(62.1%)	247,999	(34.9%)	48,498	(6.8%)	50,372	(7.1%)	46,515	(6.5%)	109,103	(15.3%)	101,948	(14.3%)	106,557	(15.0%)
	Population density (/km <sup>2</sup> )	11.4	18.0		72,4		5.2		7.3		6.3		12.3		339.8		31.0	
EP1	Schools	605	337	(55.7%)	115	(34.1%)	20	(5.9%)	43	(12.8%)	38	(11.3%)	52	(15.4%)	2.1	(6.2%)	48	(14.2%)
<b>DI</b> I	Classrooms	1,787	1,008	(56.4%)	206	(20.4%)	49	(4.9%)	100	(9.9%)	119	(11.8%)	257	(25.5%)	137	(13.6%)	140	(13.9%)
	- rooms/school (ave.)	3.0	3.0	· ·	1.8	, .	2.5		2.3		3.1		4.9		6.5		2.9	
	Enrollment	201,698	122,974	(61.0%)	31,520	(25.6%)	4,404	(3.6%)	6,567	(5.3%)	11,096	(9.0%)	28,609	(23.3%)	25,737	(20.9%)		(12.2%)
	- students/school (ave.)	333	365	```	274		220		153		292		550		1,226		313	
	Teachers	2,908	1,777	(61.1%)	505	(28.4%)	61	(3.4%)	102	(5.7%)	147	(8.3%)	386	(21.7%)		(21.7%)		(10.7%)
	- trained (%)	59.4%	62.2%		60.2%		50.8%		46.1%		49.0%		61.9%		81.3%		52.4%	
	Student-teacher ratio	1:69	1:69		1:62		1:72		1:64		1:75		1:74		1:67		1:79	
	Student-classroom ratio	1:113	1:122		1:153		1:90		1:66		1:93		1:111		1:188		1:107	
	Gross enrollment (%)	75.3%	n.a.		n.a.		n.a.		n.a.		n.a.		n.a.		n.a.		n.a.	
	Net enroliment (%)	49.2%	n.a.		n.a.		n.a.		n.a.		n.a.		n.a.		n.a.		n.a.	
	Pass (%)	67.1%	65.6%		53.9%		66.9%		84.9%		63.4%		68.9%		71.1%		67.4%	
	Repetition (%)	27.1%	24.4%		24.4%		26.4%		25.2%		28.4%		29.4%		24.5%		27.1%	
	Dropout (%)	5.9%	8.0%		21.7%		6.6%		‡		8.1%		1.7%		4,4%		5.6%	
	Graduation (%)	n.a.	n.a.		n.a.		n.a.		n.a.		n.a.		n.a.		n.a.		n.a.	
	EP1-EP2 transition* (%)	79.4%	91.6%		93.8%		83.5%		75.1%		98.0%		91.8%		100.4%		50.3%	
EP2	Schools	31	18	(58.1%)	6	(33.3%)	1	(5.6%)	1	(5.6%)	1	(5.6%)	3	. ,		(22.2%)		(11.1%)
	Enrollment	15,991	10,525	(65.8%)	2,116	(20.1%)	102	(1.0%)	242	(2.3%)	216	(2.1%)	2,031	(19.3%)		(52.6%)	287	(2.7%)
	<ul> <li>students/school (ave.)</li> </ul>	516	585		353		102		242		216		677		1,383		144	
	Teachers	394	246		45	(18.3%)	4	(1.6%)	12	(4.9%)	7	(2.8%)	47	(19.1%)		(47.6%)	14	(5.7%)
	Student-teacher ratio	1:41	1:43		1:47		1:26		1:20		1:31		1:43		1:47		1:21	
	Gross enrollment (%)	n.a.	n.a.		n.a.		n.a.		n.a.		n.a.		п.а.		n.a.		n.a.	
	Net enrollment (%)	n.a.	n.a.		n.a.		n.a.		n.a.		n.a.		n.a.		n.a.		n.a.	
	Pass (%)	61.0%	62.9%		57.1%		69.6%		71. <b>9</b> %		68.5%		53.0%		67.7%		57.9%	
	Repetition (%)	29.1%	29.6%		32.3%		9.8%		14.0%		11.1%		44.2%		25.6%		18.5%	
	Dropout (%)	9,8%	7.5%		10.5%		20.6%		14.0%		20.4%		2.8%		6.7%		13.6%	
	Graduation (%)	n.a.	n.a.		n.a.		n.a.		n.a.		n.a.		n.a.		n.a.		n.a.	
	EP2-ESG1 transition* (%)	69.3%	72.1		88.1%		0.0%		0.0%		0.0%		75.2%	(00.00)	78.5%	(20.07)	0.0%	
ESG1	Schools	9	5	1	3	(60.0%)	0		0		0		1	(20.0%)		(20.0%)	0	
	Enrollment	6,690	5,168	(77.2%)	1,187	(23.0%)	n.a.		n.a.		n.a.		325	(6.3%)		(70.7%)	n.a.	
	Teachers	184	135	(73.4%)	38	(28.1%)	п.а.		n.a.		n.a.		19	(14.1%)		(57.8%)	n.2.	
	Student-teacher ratio	1:36	1:38		1:31		n.a.		n.a.		n.a.		1:17		1:47		n.a.	
	Pass (%)+	76.0%	70.0%		84.4%		n.a.		n.a.		n.a.		71.7%		65.2% 36.8%		n.a.	
	Repetition (%)	35.2%	37.1%		41.6%		n.a.		n.a.		n.a.		24.0%				n.a.	
	Dropout (%)	ţ	‡		‡		n.a.		n.a.		n.a.		4.3%		\$		n.a.	
	Graduation (%)	n.a.	n.a.		n.a.		n.a.		n.a.		n.a.		n.a.		n.a.		n.a.	
	ESG1-ESG2 transition (%)	n.a.	n.a.		п.а.		<u>n.a.</u>		<u>n.a.</u>				n.a. 0		n.a. 1		<u>n.a.</u> ()	
ESG2	Schools	2		(50.0%)	0		0		0		-		-		1 776			
	Enrollment	791	776	(98.1%)	n.a.		n.a.		n.a.		n.a.		n.a.				n.a.	
	Teachers	n.a.	n.a.		n.a.		n.a.		n.a.		n.a.		n.a.		n.a. n.a.		n.a. n.a.	
	Student-teacher ratio	n.a.	n.a.		n.a.		n.a.		n.a.		n.2.		n.a.		11.a. 59.1%			
	Pass (%)	58.7%	59.1%		n.a.		n.a.		n.a.		n.a.		n.a.		30.0%		n.a. n.a.	
	Repetition (%)	29.8%	30.0%		n.a.		n.a.		n.a.		n.a.		n.a. n.a.		50.0% 10.8%		n.a.	
	Dropout (%)	11.5%	10.8%		n.a.		п.а. п.а.		n.a. n.a.		n.a. n.a.		n.a. n.a.		n.a.		n.a.	
	Graduation (%)	n.a.	n.a.		n.a.		n.a.		11.2,		11.4.				1.4.			

Appendix 3. Primary Schools and Secondary Schools in the Study Area (Composite), 1999

\* from 1999-2000, only for male students; † pass rate + repetition rate > 100% due to influx of transfer/returning students in mid-year; ‡ negative value due to pass rate + repetition rate > 100%

# Appendix 4. Number of Locla Residents Who Complete Education at Adult Education Centers in Tete, 1995-1999

(1) EP2 (7th grade)

·			1995		·····	T		1996					1997					1998					1999		
District	Total	М	(%)	F	(%)	Total	M	(%)	F	(%)	Total	М	(%)	F	(%)	Total	Μ	(%)	F	(%)	Total	М	(%)	F	(%)
Angonia	24	21	(87.5)	3	(12.5)	10	9	(90.0)	1	(10.0)	9	8	(88.9)	1	(11.1)	0	0		0		23	15	(65.2)	8	(34.8)
						1949[ )!	82. J	-1-3-23												s i star					
					an an an an an an an an an an an an an a	an the second second second second second second second second second second second second second second second	ere en Notael					n galat ginda			ning of the second second second second second second second second second second second second second second s							NAN 1997 - N National States of the second			<u> 1192</u>
Chiuta																25	19	(76.0)	6	(24.0)	50	44	(88.0)		(12.0)
			de gorige		ୁ ି ୁ	1.2019		$\{(\cdot, \cdot)\}$							a li i			te de la compañía de la compañía de la compañía de la compañía de la compañía de la compañía de la compañía de Compañía de la compañía		(S.)	્રેટ્સ્ટ્રેટ્સ	1993 (M. 1997)			s k je oj
Moatize	47	39	(83.0)	8	(17.0)	73	62	(84.9)	11	(15.1)	49	35	(71.4)	14	(28.6)	62	51	(82.3)	11	(17.7)	62	50	(80.6)	12	(19.4)
	l and a		<u> 1</u> 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	١.					ise.					1 Sed			88.		1.55	3. S. S. S.					a in creas
Tete city	188	141	(75.0)	47	(25.0)	234	166	(70.9)	68	(29.1)	264	210	(79.5)	54	(20.5)	229	179	(78.2)	50	(21.8)	416	297	(71.4)	119	(28.6)
Province	286	225	(78.7)	61	(21.3)	437	327	(74.8)	110	(25.2)	429	327	(76.2)	102	(23.8)	394	304	(77.2)	90	(22.8)	744	538	(72.3)	206	<u> </u>
Study Area	259	201	(77.6)	58	(22.4)	317	237	(74.8)	80	(25.2)	322	253	(78.6)	69	(21.4)	316	249	(78.8)	67	(21.2)	551	406	(73.7)	145	(26.3)

(2) ESG1 (10th grade)

1-60

		••••	1995			Γ		1996			Γ		1997					1998					1999		
District	Total	M	(%)	F	(%)	Total	M	(%)	F	(%)	Total	M	(%)	F	(%)	Total	M	(%)	F	(%)	Total	M	(%)	F	(%)
Angonia	0	0		0		8	. 7	(87.5)	1	(12.5)	11	8	(72.7)	3	(27.3)	9	. 8	(88.9)	1	(11.1)	19	14	(73.7)	5	(26.3)
	0 e 3	ş) - \$			3		90. ji							Č.	11. 1. j. j. j. j. j. j. j. j. j. j. j. j. j.										
Chiuta	0	0		0		0	0		0	1	0	0		0		0	0		0		26	21	(80.8)	5	(19.2)
Section 1977 Barbara						2							ni da daris Katabaris											1997 / 19 2007 / 19	
Moatize	0	0		0		33	28	(84.8)	5	(15.2)	28	22	(78.6)	6	(21.4)	22	20	(90.9)	2	(9.1)	58	45	(77.6)	13	(22.4)
	201			a di Sectorio							838 S • 4									ta second		\$2. Q			6.5
Tete city	169	131	(77.5)	38	(22.5)	187	138	(73.8)	49	(26.2)	84	56	(66.7)	28	(33.3)	168	117	(69.6)	51	(30.4)	288	204	(70.8)	84	(29.2)
Province	210	157	(74.8)	53	(25.2)	279	213	(76.3)	66	(23.7)	148	105	(70.9)	43	(29.1)	260	192	(73.8)	68	(26.2)	539	395	(73.3)	144	(26.7)
Study Area	169	131	(77.5)	38	(22.5)	228	173	(75.9)	55	(24.1)	123	86	(69.9)	37	(30.1)	199	145	(72.9)	54	(27.1)	391	284	(72.6)	107	(27.4)

#### (3) ESG2 (12th grade)

на станование Постанование станование станование станование станование станование станование станование станование станование		1	995					1996			Ι		1997					1998					1999		
District	Total	M (9	6)	F (	(%)	Total	М	(%)	F	(%)	Total	М	(%)	F	(%)	Total	M	(%)	F	(%)	Total	М	(%)	F	(%)
Tete city	0	0		0		53	40	(75.5)	13	(24.5)	0	0		Ö		53	40	(75.5)	13	(24.5)	63	49	(77.8)	14	(22.2)
Province	0	: 0		0		-53	40	(75.5)	13	(24.5)	0	0		0		53	40	(75.5)	13	(24.5)	63	49	(77.8)	14	(22.2)
Study Area	0	0		0		53	40	(75.5)	13	(24.5)	0	0		0		53	40	(75.5)	13	(24.5)	63	49	(77.8)	14	(22.2)

Source: Tete Provincial Directorate of Education, 2000.

Appendix 4. Number of Locla Residents	Who Complete Education at Adult Education Centers in Tete, 1995-1999
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(1) EP2 (7th grade)

	1995					1996						1997				1998			1999						
District	Total	М	(%)	F	(%)	Total	М	(%)	F	(%)	Total	Μ	(%)	F	(%)	Total	Μ	(%)	F	(%)	Total	М	(%)	F	(%)
Angonia	24	21	(87.5)	3	(12.5)	10	9	(90.0)	1	(10.0)	9	8	(88.9)	1	(11.1)	0	0		0		23	15	(65.2)	8	<u> </u>
Cabora Bassa	18	16	(88.9)	2	(11.1)	58	- 39	(67.2)	19	(32.8)	64	42	(65.6)	22	(34.4)	54	38	(70.4)	16	(29.6)	135	92	(68.1)	43	(31.9)
Changara	9	8	(88.9)	1	(11.1)	19	14	(73.7)	5	(26.3)	0	0		0		0	0		0		0	0		0	
Chiuta				1												25	19	(76.0)	6	(24.0)	50	44	(88.0)	6	(12.0)
Magoe	0	0		0		10	6	(60.0)	4	(40.0)	17	10	(58.8)	7	(41.2)	24	17	(70.8)	7	(29.2)	29	20	(69.0)	9	(31.0)
Moatize	47	39	(83.0)	8	(17.0)	73	62	(84.9)	11	(15.1)	49	35	(71.4)	14	(28.6)	62	51	(82.3)	11	(17.7)	62	50	(80.6)	12	(19.4)
Mutarara							31		2			22		4			0		Ö			20	al a la	9	
Tete city	188	141	(75.0)	47	(25.0)	234	166	(70.9)	68	(29.1)	264	210	(79.5)	54	(20.5)	229	179	(78.2)	50	(21.8)	416	297	(71.4)	119	<u> </u>
Province	286	225	(78.7)	61	(21.3)	437	327	(74.8)	110	(25.2)	429	327	(76.2)	102	(23.8)	394	304	(77.2)	90	(22.8)	744	538	(72.3)	206	
Study Area	259	201	(77.6)	58	(22.4)	317	237	(74.8)	80	(25.2)	322	253	(78.6)	69	(21.4)	316	249	(78.8)	67	(21.2)	551	406	(73.7)	145	(26.3)

# (2) ESG1 (10th grade)

1-60

	1995					1996					1997						1998		1999						
District	Total	M	(%)	F	(%)	Total	Μ	(%)	F	(%)	Total	М	(%)	F	(%)	Total	Μ	(%)	F	(%)	Total	Μ	(%)	F	(%)
Angonia	0	0		0		8	7	(87.5)	1	(12.5)	11	8	(72.7)	3	(27.3)	9	8	(88.9)	1	(11.1)	19	14	(73.7)	5	(26.3)
Cahora Bassa	41	26	(63.4)	15	(36.6)	51	40	(78.4)	11	(21.6)	25	19	(76.0)	6	(24.0)	48	35	(72.9)	13	(27.1)	103	76	(73.8)	27	(26.2)
Chiuta	0	0		0		0	0		0		0	0		0		0	0		0		26	21	(80.8)	5	(19.2)
Magoe	0	0		0		0	0		0		0	0		0		13	12	(92.3)	1	(7.7)	13	9	(69.2)	4	(30.8)
Moatize	0	0		0		33	28	(84.8)	5	(15.2)	28	22	(78.6)	6	(21.4)	22	20	(90.9)	2	(9.1)	58	45	(77.6)	13	(22.4)
Mutarara	0	Ó		0		0	0		0		0	0		0		0	0		0		32	26	(81.3)	6	(18.8)
Tete city	169	131	(77.5)	38	(22.5)	187	138	(73.8)	49	(26.2)	84	56	(66.7)	28	(33.3)	168	117	(69.6)	51	(30.4)	288	204	(70.8)	84	(29.2)
Province	210	157	(74.8)	53	(25.2)	279	213	(76.3)	66	(23.7)	148	105	(70.9)	43	(29.1)	260	192	(73.8)	68	(26.2)	539	395	(73.3)	144	(26.7)
Study Area	169	131	(77.5)	38	(22.5)	228	173	(75.9)	55	(24.1)	123	86	(69.9)	37	(30.1)	199	145	(72.9)	54	(27.1)	391	284	(72.6)	107	(27.4)

# (3) ESG2 (12th grade)

		1995			1996			1997				1998		1999					
District	Total	M (%)	F (%)	Total	M (%)	F (%)	Total	M (%)	F (%)	Total	М	(%)	F (%)	Total	М	(%)	F	(%)	
Tete city	0	0	0	53	40 (75.5)	13 (24.5)	0	0	0	53	40	(75.5)	13 (24.5)	63	49	(77.8)	14	(22.2)	
Province	0	0	0	53	40 (75.5)	13 (24.5)	0	0	0	53	40	(75.5)	13 (24.5)	63	49	(77.8)	14	(22.2)	
Study Area	0	0	0	53	40 (75.5)	13 (24.5)	0	0	0	53	40	(75.5)	13 (24.5)	63	49	(77.8)	14	(22.2)	

Source: Tete Provincial Directorate of Education, 2000.