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Redistributive Effect of Personal Income Taxation in Pakistan

Vaqar Ahmed* and Cathal O’Donoghue**

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Department of Economics
National University of Ireland, Galway

http://www.economics.nuigalway.ie

• Planning Commission Pakistan and National University of Ireland Galway. Email: vahmed@gmail.com . The usual disclaimer applies.

** Teagasc- Irish Agriculture and Food Development Authority and National University of Ireland Galway.

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Abstract

This paper studies the redistribution effect of personal income tax in Pakistan. We decompose the overall tax system in order to evaluate the contribution of rate, allowances, deductions, exemptions and credits. The structure given in Income Tax Ordinance 2001 is applied to gross household incomes in 2002 (low growth year) and 2005 (high growth year). Our findings reveal that the reforms laid down in this Ordinance resulted in a greater redistribution of incomes. The redistributive effect increases as we move from 2002 to 2005 tax assessment. Deductions for salaried tax payers contribute the most towards progressivity. This is different from countries with advanced taxation systems relying mainly on allowances followed by tax rate and exemptions.
1. INTRODUCTION

Personal income taxation is amongst the oldest and one of the commonly used instruments of fiscal policy. Besides partly fulfilling the government expenditure needs, income tax is also aimed at reducing the inequality gap in the society. They are transformed into progressive structures so that principles of fairness are fully accomplished. Setting a just tax base is of critical importance in order to observe the ability-to-pay principle. The extent of redistribution in a tax system is not necessarily a static concept. Time period over which we measure income and wealth are likely to influence the measures of redistribution and progressivity (see Creedy 1999).

The declining role of personal income taxes in developing countries is certainly not a new phenomenon. Most developing economies have inelastic tax structures with a narrow tax base, and high collection/administrative costs. Hence in many cases these taxes are easy to evade. See Avi-Yonah et al. (2006) and Bird et al. (2005). However the overall role of personal income taxation cannot be completely discarded. This is because apart from the distributional impact of these taxes, there are incentive effects as well, which can for example impact the tax payer’s decision and manner of participating in the labour market. See Blundell et al. (2000).

In this paper we try to evaluate the progressivity in Pakistan’s income tax structure using data from Household Income and Expenditure Survey 2001-02. We see the impact of Income Tax Ordinance for two separate years; 2002 (low growth year), and 2005 (high growth year). There is some previous research on the evaluation of tax progressivity in Pakistan. For example see Ilyas (2004), Alauddin et al. (1981), Ahmed et al. (1986), Azfar (1972), Jeetun (1978), Malik et al. (1985, 1989). However to our knowledge there is no decomposition analysis of personal income tax system. In the developing countries, this area of research has in the past received less importance, given that income tax constitutes relatively smaller portion of the overall revenue collections. See Sicat et al. (1988), Bird and Zolt (2005, 2008), Bird (2008) and Bernardi et al. (2006).
The next section briefly describes the personal income tax reform in Pakistan. Section 3 focuses on data and methodological issues and section 4 then describes the components contributing to the progressivity of the tax system.

2. **PERSONAL INCOME TAX STRUCTURE IN PAKISTAN**

In 1947, immediately after independence, Pakistan adopted the Income Tax Act 1922 of the pre-partition sub-continent. This Act was in fact introduced by the British in this region, who had a version called the general income tax introduced through Income Tax Act 1860. The Act of 1922 was based on the recommendations of All India Income Tax Committee which had been given the task of studying the income tax collections since the introduction of first general income tax in India through Income Tax Act 1860. This general tax was only imposed for a period of 5 years in order to compensate for the mutiny of 1875. However after the great famine of 1876, this tax was revived the next year. The Act II of 1886 then gave a scheme for income tax levy that continued in later reforms.

As the new forms of incomes emerged, Pakistan had to adopt a new set of recommendations given by the then Central Board of Revenue\(^1\) in the form of Income Tax Ordinance 1979. The promulgation of this ordinance widened the tax net and expanded the tax base. For details see Khan (1984). Similar need for revision was felt 21 years later when Income Tax Ordinance 2001 was introduced which is still in operation subject to annual amendments through Finance Bill.

Under the present structure of income taxation, incomes are classified into: a) salary, b) income from property, c) income from business, d) capital gains, and e) income from other sources. The salary category encompasses: a) wages and remuneration, including any fringe benefits in money terms such as leave pay, commission, and gratuity/work condition supplements. Deduction is allowed if salary constitutes more than 50 percent of a person’s overall earnings. Zakat is deducted from the tax base. Zakat is a mandatory tax

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\(^1\) Now called; Federal Board of Revenue (FBR).
on all Muslim citizens if they had any earnings during the year. It is charged at 2.5 percent on income (and specified asset holdings). See Zakat and Ushr Ordinance 1980. Agricultural incomes have been exempt from taxation. This exemption is also applicable to any rent from agricultural land. However more recently this type of exemption has become a controversial issues and has been debated on various occasions in the lower and upper houses of parliament.

Apart from the income tax there are four other types of direct taxes namely: wealth tax, capital value tax, worker’s welfare fund, and corporate assets tax. The main income tax parameters have been derived from the Income Tax Ordinance 2001. There are three different income categories general income, salaried income and agriculture income, each having five different bands where incomes are being taxed according to the prescribed schedule.

The income to be taxed is computed as below:\(^2\):

\[ TY = Y - Z - WPF - WWF \]

Where TY is the taxable income, Y is total income from all heads of income, Z is the Zakat payment by an individual, WPF is the amount paid towards workers participation fund under Companies Profit (Workers’ Participation) Act, 1968. WWF is the amount paid to Workers’ Welfare Fund under the Workers’ Welfare Fund Ordinance 1971.

In this paper we will mainly analyze the personal income taxation as the other forms of direct taxation are harder to simulate and at times lead to excessive use of assumptions. Furthermore the other four types of direct taxes yielded Rs. 7,123 million in the year 2000-01, which was 5.7 per cent of the total collection from direct taxes (CBR Yearbook 2000-01)\(^3\). In the 2002 tax system, allowance is kept at Rs. 80,000 with progressive rates applied until Rs. 700,000 after which the highest (slab) rate of 35 per cent is applied.

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\(^2\) This definition is in line with the one given in Income Tax Ordinance 2001-02, Central Board of Revenue, Islamabad.

As explained earlier agricultural incomes in Pakistan are exempt from taxes. However if a person’s agriculture income exceeds Rs. 80,000 and the person also has non-agriculture income then the tax rate will only apply to non-agricultural income of a taxpayer.

A special tax credit of 50 per cent of the tax payable is allowed to an individual if: a) his age is 65 years or more on the first day of the relevant tax year, and b) his taxable income is up to Rs. 300,000. Other miscellaneous tax credits allowed by the government in the ordinance include; foreign tax credit, tax credit for donations, tax credit for investment in shares, tax credit for payments towards retirement annuity scheme, and tax credit for mark-up on loans for house.

A low tax base, failure to curb evasion and delay in bringing new forms of incomes in the tax net, has resulted in an inelastic tax structure. These issues although were part of the overall objectives of Income Tax Ordinance, however revenue collections have not been able to keep pace with the growth milieu. Figure 1 shows how income tax collections have performed vis-à-vis real GDP growth.

![Figure 1 GDP Growth and Income Tax](image_url)

The income tax to GDP ratio remained stagnant between the years 2000 to 2006. However during this time Pakistan witnessed one of the highest GDP growth rates in its history (reaching up to 9% percent in 2005). Between 2001 and 2005 the economic growth rate averaged 5.1 percent, however the income tax to GDP ratio remained under 3.5 percent. The share of income tax in total direct taxes and overall federal tax receipts also declined from 95.8 to 93.2 percent and 33.8 to 29.4 percent respectively.

3. METHODOLOGY AND DATA ISSUES

The starting point is the identification of tax related components that are used while going from gross incomes \((I)\) to net incomes \((NI)\)^5. We calculate the tax free income \((F)\), which in equation 1 is the sum of exemptions \((E)\), allowances \((A)\) and deductions \((D)\). Then taxable income \((TI)\) is calculated in equation 2 by subtracting tax free income from gross income.

\[
F = A + D + E 
\]  

\[
TI = I - F
\]

The residual income \((R)\) is calculated in equation 3 by subtracting the tax liability \((T)\) from taxable income and final residual income \((R_f)\) is obtained in equation 4 by adding residual income with tax credits \((C)\).

\[
R = TI - T
\]  

\[
R_f = R + C
\]

If credits are subtracted from tax liability (in equation 5) we get final tax liability \((T_f)\), which if subtracted from gross income will give us the net income (equation 6).

\[
T_f = T - C
\]

---

^5 For ease of reference notations are the same as used in Pfähler (1990).
\[ NI = I - T_f \]

The progressivity of tax liability can be expressed as the sum of four items namely rate effect, allowance effect, deductions effect, and tax credits effect. This is formalised below.\(^6\)

\[
\pi_N^K = \frac{t}{t - c} \left[ \pi_R^K + \frac{\alpha}{1 - \alpha - \delta} \rho_d^K - \frac{\delta}{1 - \alpha - \delta} \pi_D^K \right] + \frac{c}{t - c} \rho_c^K
\]

Where \( \pi_N^K \) is Kakwani index of progressivity, \( t \) is average (gross) tax rate, \( c \) is average credit rate, \( \rho_c^K \) measures regressivity of credits, \( \pi_R^K \) gives the progressivity of rate, \( \rho_d^K \) measures regressiveness of allowances, \( \pi_D^K \) gives progressivity of deductions, \( \alpha \) and \( \delta \) indicate average allowance rate and average deduction rate respectively. This decomposition method developed in Pfähler (1990) is used in Decoster et al. (2002) and Wagstaff et al. (2001).

Our main data source is Pakistan’s Household Income and Expenditure Survey (HIES) 2001-02. The survey description shows that a total of 16400 households were interviewed. The sample of household was drawn from 1150 primary sampling units out of which 500 are urban and 650 are rural. The data in survey only provided details on net incomes. This posed a challenge for our analysis as we required gross incomes which can be subjected to tax rules. Hence to obtain the net incomes we used the net-to-gross algorithm in XLSim microsimulation model for Pakistan (see O’ Donoghue and Ahmed 2004). This algorithm is explained at length in Immervoll and O’ Donoghue (2001).

XLSim is a generic program designed to analyse tax-benefit policies and reforms. Due to the recent enormous growth in this field, tax-benefit microsimulation models are being developed in various languages such as C, Visual Basic, Gauss and SAS. However our inclination towards using XLSim is due to its user friendly excel-VB environment.

\(^6\) For ease of reference the notations are the same as used in Wagstaff et al. (2001).
idea behind the actual design of XLsim came about as a need to demystify the large scale and heavily coded microsimulation systems. To construct a model using Gauss, for example would require considerable skill in programming and debugging. However for the case of XLsim, one requires intermediate level proficiency in MS-Excel to construct and run the model. The XLsim model uses the household data and applies the taxation rules to individual gross incomes. The calculations are produced both at the family and household level, and the difference in the disposable income between the two runs is the net effect of the reform. For a review of microsimulation models see Klevmarken (1997) and O’ Donoghue (2001). For country-specific applications see Lloyds (2003) and Wagenhals (2004).

A brief explanation is required here to highlight the tax-related definitions as used in our analysis and exhibited in Figure 2. We have treated allowance as that limit of income which is not taxed. Deduction is in fact reduction in tax liability allowed for salary earners. Exemptions include incomes from agricultural activities and credit includes the special provisions stated in Ordinance/tax rules (explained in section 2), Zakat, and Sadaqat\(^7\). Data on effective payment of Zakat at the household level does not match the amount assessed in FBR records. Hence for accounting purpose we have treated Zakat as a component that directly reduces the amount of income tax paid. The assumption over here is that a tax payer essentially reduces his payable amount by showing the Zakat accrued to him, however we are not certain from the FBR data if this payment was in fact made.

\(^7\) Charity money.
The tax system in 2002 and 2005 remained almost the same except for the change in allowance. In figure 3 we can see that the tax liability starts from Rs. 100,000 instead of Rs. 80,000 (in 2002). We can also observe the deduction component in the tax system where the liability of those tax payers, whose salary constitutes more than 50 percent of total income earned, is lesser than the general tax payers.

While going from 2002 to 2005 tax system we also uprate the income-related characteristics in the 2001-02 household survey. Adjustments to various income components are made in order to accurately project the changes in incomes between 2002 and 2005. Separate uprating factors can be applied for various income sources such as; wage income, self-employment income, rental income, and pensions. This method has been used in this paper and explained in Stirling et al. (2006). The obvious advantage of this method is that changes in incomes are applied at disaggregate income levels. This to some extent preserves the heterogeneity of the survey observations.

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8 There is also minor change in the manner of allowing deduction for salaried class.
4. RESULTS – DISTRIBUTIONAL IMPACT OF THE TAX SYSTEM

The overall personal income tax structure in Table 1 seems progressive for 2002 system (shown by a positive Kakwani) and redistributive (shown by a negative Reynolds-Smolensky). Applying the 2005 rates to the household incomes for the year 2002, we see an increase in progressivity, and if 2005 rates are applied to uprated incomes, then the results indicate a reduction in progressivity of about 1 percent (from 0.547 to 0.542). However uprated 2005 system seems more redistributive as shown by the decline in R-S. The percentage change of Gini coefficient for net income over gross incomes shows a 3.7 percent decline compared to 3.2 in 2002 system (Table 2). This is also an indicator of over time redistribution of the income tax ordinance, which is revised every year (through a Finance Bill) keeping in view the changes in incomes.
Table 1: Decomposing Personal Income Tax System

<table>
<thead>
<tr>
<th>Tax Components</th>
<th>Kakwani</th>
<th>Reynolds-Smolensky</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Overall Income Tax</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2002</td>
<td>0.547</td>
<td>-0.012</td>
</tr>
<tr>
<td>2005</td>
<td>0.564</td>
<td>-0.011</td>
</tr>
<tr>
<td>2005_u*</td>
<td>0.542</td>
<td>-0.011</td>
</tr>
<tr>
<td><strong>Tax Rate Structure</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2002</td>
<td>0.602</td>
<td>0.018</td>
</tr>
<tr>
<td>2005</td>
<td>0.621</td>
<td>0.015</td>
</tr>
<tr>
<td>2005_u</td>
<td>0.595</td>
<td>0.021</td>
</tr>
<tr>
<td><strong>Tax Base Structure</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2002</td>
<td>0.502</td>
<td>0.140</td>
</tr>
<tr>
<td>2005</td>
<td>0.532</td>
<td>0.115</td>
</tr>
<tr>
<td>2005_u</td>
<td>0.492</td>
<td>0.132</td>
</tr>
<tr>
<td><strong>Allowance</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2002</td>
<td>0.501</td>
<td>-0.121</td>
</tr>
<tr>
<td>2005</td>
<td>0.531</td>
<td>-0.105</td>
</tr>
<tr>
<td>2005_u</td>
<td>0.491</td>
<td>-0.117</td>
</tr>
<tr>
<td><strong>Deduction</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2002</td>
<td>0.621</td>
<td>-0.005</td>
</tr>
<tr>
<td>2005</td>
<td>0.640</td>
<td>-0.002</td>
</tr>
<tr>
<td>2005_u</td>
<td>0.613</td>
<td>-0.003</td>
</tr>
<tr>
<td><strong>Tax Credits</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2002</td>
<td>0.588</td>
<td>0.005</td>
</tr>
<tr>
<td>2005</td>
<td>0.617</td>
<td>0.004</td>
</tr>
<tr>
<td>2005_u</td>
<td>0.586</td>
<td>0.006</td>
</tr>
<tr>
<td><strong>Exemptions</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2002</td>
<td>0.590</td>
<td>0.026</td>
</tr>
<tr>
<td>2005</td>
<td>0.591</td>
<td>0.025</td>
</tr>
<tr>
<td>2005_u</td>
<td>0.577</td>
<td>0.028</td>
</tr>
</tbody>
</table>


The low values of Reynolds-Smolensky (R-S) seem plausible as there is inequal redistribution shown by tax base and rate structure (Table 1). Only allowances and deductions have been responsible for contributing towards redistribution in overall personal income tax system. The role played by allowances and deductions also seems to be slightly declining overtime. Progressivity in both tax rate and base is declining over
time\textsuperscript{9}. This is seen in the overtime reduction in value of Kakwani for all sub-components namely: allowances, deduction, exemptions and credits. The highest change is in Kakwani measure for allowance falling by 2 percent (from 0.491 to 0.501). A closer look reveals that the progressivity pattern of tax base and allowance remained identical.

### Table 2 Percentage Change in Net Income Over Gross Income

<table>
<thead>
<tr>
<th></th>
<th>2002</th>
<th>2005 u</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gini</td>
<td>-3.2</td>
<td>-3.7</td>
</tr>
<tr>
<td>GE(1)</td>
<td>-7.9</td>
<td>-9.6</td>
</tr>
<tr>
<td>GE(0)</td>
<td>-5.4</td>
<td>-6.4</td>
</tr>
<tr>
<td>GE(2)</td>
<td>-12.1</td>
<td>-15.0</td>
</tr>
</tbody>
</table>

\textit{*n/g: Percentage change in net income over gross income.  
2005 u: 2005 tax system with incomes uprated from 2002 data.}

If one is to focus on only the role played by income tax reforms in reducing income inequality then we can observe in Table 2, first column, where the Gini coefficient of post-tax income declines by 3.2 percent as compared to pre-tax income. We can see the dominance of 2005 system over 2002 in terms of change in (greater) redistribution. The former shows a greater decline in all inequality indicators.

Generalised Entropy (GE) indicators are used in order to assess sensitivity towards inequality across the income distribution. GE measures satisfy five axioms which are desirable for a measure of inequality namely; the transfer principle, scale independence, population independence anonymity and decomposability. GE ranges from zero (complete inequality) to infinity. See Cowell (1995). An increase in GE parameter implies less sensitivity towards inequality at the lower end of the distribution. $GE(0)$ is the mean log deviation, giving higher weight to income differences at the lower end of the distribution. $GE(1)$ is Theil index of inequality that gives equal weight to the entire income distribution. $GE(2)$ is one half the squared coefficient of variations and gives more weight at the upper end. We can observe in Table 2 that the highest change (while

\textsuperscript{9} However if the incomes are not uprated and 2005 system is applied to 2002 incomes then there is increase is progressivity.
comparing pre and post tax incomes) is in the case of GE(2). This is because the upper tail of income distribution is most affected by the imposition of a progressive personal income tax and income earners falling in this upper tail end up paying a higher marginal rate.

Table 3 exhibits the percentage contribution of various tax components (towards progressivity) under each of the three systems. The clearly stagnant contributions are observable between the 4 years (2002 to 2005). The percentage contribution of rate effect, allowances and deductions remains constant. The contribution of exemptions slightly decreases, while that of credits increase. The later’s increase is plausible given that the increase in Zakat payable is directly related to increase in pre-tax incomes. Recall from previous section that for the purpose of tax accounting in household data we have treated Zakat payment as a tax credit.

<table>
<thead>
<tr>
<th>Tax Components</th>
<th>2002</th>
<th>2005</th>
<th>2005 _u</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rate effect</td>
<td>20.8</td>
<td>20.7</td>
<td>20.8</td>
</tr>
<tr>
<td>Allowance</td>
<td>17.3</td>
<td>17.7</td>
<td>17.2</td>
</tr>
<tr>
<td>Deductions</td>
<td>21.4</td>
<td>21.3</td>
<td>21.4</td>
</tr>
<tr>
<td>Exemptions</td>
<td>20.3</td>
<td>19.7</td>
<td>20.2</td>
</tr>
<tr>
<td>Credits</td>
<td>20.3</td>
<td>20.6</td>
<td>20.5</td>
</tr>
<tr>
<td>Total</td>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>


How do the component-wise contributions in Pakistan compare with other countries? We try to see from Verbist (2004) and Urban (2006) the percentage contribution towards progressivity in other developed and transition economies. Selected countries are grouped in Table 4. In this cross-country comparison we can observe that in pursuit of progressivity, countries with advanced taxation systems rely on allowances followed by rate and exemptions. Pakistan being a low-income country having a much narrower tax base relies on deductions followed by rate and exemptions. Recall that deduction here represents reduction in tax liability allowed for salary earners.
Table 4 Cross-Country Comparison: Percentage Contribution Towards Progressivity

<table>
<thead>
<tr>
<th>Countries</th>
<th>Exemptions</th>
<th>Deductions</th>
<th>Allowances</th>
<th>Rate</th>
<th>Credits</th>
<th>Overall</th>
<th>R-S</th>
</tr>
</thead>
<tbody>
<tr>
<td>Austria</td>
<td>16.8</td>
<td>0.5</td>
<td>0.1</td>
<td>47.3</td>
<td>35.3</td>
<td>100</td>
<td>0.061</td>
</tr>
<tr>
<td>Ireland</td>
<td>34.5</td>
<td>-2.5</td>
<td>31.2</td>
<td>38.7</td>
<td>-1.9</td>
<td>100</td>
<td>0.055</td>
</tr>
<tr>
<td>Netherlands</td>
<td>8.1</td>
<td>-4.5</td>
<td>25.1</td>
<td>71.3</td>
<td>-</td>
<td>100</td>
<td>0.046</td>
</tr>
<tr>
<td>UK</td>
<td>55</td>
<td>-2.4</td>
<td>30.7</td>
<td>14.4</td>
<td>2.3</td>
<td>100</td>
<td>0.046</td>
</tr>
<tr>
<td>Croatia</td>
<td>-</td>
<td>-</td>
<td>85.8</td>
<td>14.3</td>
<td>-0.2</td>
<td>100</td>
<td>0.031</td>
</tr>
<tr>
<td>Pakistan</td>
<td>20.3</td>
<td>21.4</td>
<td>17.3</td>
<td>20.8</td>
<td>20.3</td>
<td>100</td>
<td>0.012</td>
</tr>
</tbody>
</table>


Table 5 gives a comparison of post tax incomes for 2002 and 2005. The Gini coefficient for 2005 post tax uprated incomes increased by 1.4 percent compared to 2002. Even if the incomes are not uprated for 2005, still there is an increase of 0.18 percent in inequality. This implies that overtime changes in the tax system (resulting in higher redistribution from 2002 to 2005) are unable to reduce the already unequal pre-tax income gap. The rise in incomes around 2005 has favoured the higher income groups resulting in an increase in Gini coefficient.

Table 5 Percentage Change in Inequality Measures for 2005 over 2002

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Gini</td>
<td>0.18</td>
<td>1.4</td>
</tr>
<tr>
<td>GE(1)</td>
<td>0.28</td>
<td>3.2</td>
</tr>
<tr>
<td>GE(0)</td>
<td>0.28</td>
<td>3.4</td>
</tr>
<tr>
<td>GE(2)</td>
<td>0.23</td>
<td>4.3</td>
</tr>
</tbody>
</table>


5. CONCLUSION

Pakistan like other developing economies has a narrow tax base with high enforcement costs, making personal income taxation an unlikely cornerstone of a comprehensive inequality reduction agenda. However its role cannot be completely written-off given the potential contribution towards efficiency and equity objectives at the national level.
Our main findings are:

- Income Tax Ordinance resulted in greater redistribution. The redistributive effect increases as we move from 2002 to 2005 tax assessment.
- Deductions for salaried tax payers contribute the most towards progressivity. This is different from countries with advanced taxation systems relying mainly on allowances followed by tax rate and exemptions.
- Given the increasing pre-tax income gap, reforms in taxation cannot be entirely relied upon for a reduction in inequality in the society\textsuperscript{10}.
- Progressivity pattern of tax base and allowance is identical.

There is a need to reform the present structure of exemptions. Income from agriculture (almost a quarter of GDP) is exempt from taxation. Agriculture taxation in Pakistan has been a matter of both parliamentary controversy and bureaucratic contention. For a very long time the presence of a dominant feudal class in the parliament implied that no headway could be made in this direction. However on the insistence and continuous pressure from the multilateral donors and agencies a plan was chalked out to levy the tax on agriculture incomes subject to a consensus on a suitable tax base. However the actual imposition of such a tax is still not clearly defined to serve the macroeconomic purpose of broad basing the tax base and the microeconomic purpose of decreasing income inequalities (see World Bank 1999, Chaudhry 2001). The tax office has been unclear as to what will be a better instrument for agriculture taxation i.e. should the tax be levied on agricultural produce, land value, value of agriculture inputs, value of output sold etc. Direct taxes cannot be expected to be the corner stone of the government’s revenue enhancement strategy. From the indirect taxation side there is a need to further study the distributional impact of bringing new services in to the tax net. The existing structure of sales tax also has the potential of being made a progressive tax. These issues require further research.

\textsuperscript{10} The need for social protection policies and social safety nets remains.
6. References


