

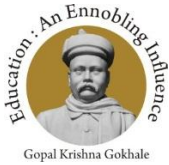
PANCHAYAT SAMITI ELECTIONS IN MAHARASHTRA: A DATA ANALYSIS

(1994-2013)

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ABBREVIATIONS

AV	Average
AvVT	Average Voter Turnout
BCC	Backward Category of Citizens
BJP	BharatiyaJanata Party
REVERSE COMP	Proxy measure for Level of Competition Between Different Political Parties
DEV	Development quotient of a district
GDP	Gross Domestic Product
INC	Indian National Congress
IND	Proportion of Votes Garnered by Independent Candidates
MCC	Model Code of Conduct
NCP	Nationalist Congress Party
POL	Political Alignment
R1	Round One of Elections
R2	Round Two of Elections
R3	Round Three of Elections
R4	Round Four of Elections
RES	Proportion of Seats Reserved in a Council
SC	Scheduled Castes
SECM	State Election Commission of Maharashtra
SS	Shiv Sena
ST	Scheduled Tribes
VT	Voter Turnout

FOREWORD

1. The landmark 73rd and 74th Constitutional Amendments gave constitutional status to local bodies in India. In accordance with the same, Maharashtra has worked assiduously towards restoring the rightful place of the local bodies in the political governance. This is evident from the conduct of free, fair and transparent elections by the State Election Commission since its inception in 1994 following the amendments to the Constitution of nearly 28,000 local bodies (26 Municipal Corporations, 340 Municipal Councils and Nagar Panchayats, 34 Zilla Parishads, 351 Panchayat Samitis and approx. 27,781 Gram Panchayats).
2. Collection and preservation of data of all the elections is necessary not only for understanding the dynamics of politics and but also for making improvements in the subsequent elections. It is unfortunate that very little data has been preserved of previous elections. Only data pertaining to number of reserved seats, voter turnout and seats won by different political parties is available and that too for Zilla Parishads, Panchayat Samitis, Municipal Councils and Municipal Corporations only.
3. State Election Commission, Maharashtra proposes to collect and preserve relevant data of all the elections from now onwards pertaining to the following broad categories:
 - i. Arrangements done e.g. number of wards (with reservation), polling stations, polling personnel, vehicles etc.
 - ii. Details given by candidates in nomination papers and affidavit e.g. Age, educational qualification, assets and liabilities, criminal background etc.
 - iii. Activities during elections: e.g. violation of Model Code of Conduct, incidents of violence, re-poll etc.
 - iv. Post elections e.g. expenditure incurred by the local bodies / candidates / political parties, profile of winning candidates etc.

4. I am happy that Gokhale Institute of Politics and Economics, Pune has done analysis as directed by State Election Commission, Maharashtra of all the elections of Panchayat Samitis held in the State between 1994-2013 with the available, scanty data. A team of 7 researchers led by Smt. Manasi Phadke and Prof. Dnyandev Talule of YASHADA analyzed the data over a period of four months from July to October 2016, the main findings of which are as below:
- i. Average voter turnout in Zilla Parishads and Panchayat Samitis over all elections is 69 per cent.
 - ii. The voter turnout in Zilla Parishad and Panchayat Samiti elections has been falling over successive rounds of elections.
 - iii. Higher voter turnout is linked to higher political competition amongst different parties.
 - iv. Higher the voter turnout, higher is the proportion of seats won by independent candidates.
 - v. Identification of Panchayat Samitis with historically low voter turnout
 - vi. Identification of Panchayat Samitis where fierce competition between political parties is expected

Above findings have great implications for undertaking various programs like voter awareness program and effective implementation of Model code of Conduct.

5. I take this opportunity to congratulate Smt. Manasi Phadke and Dr. Rajas Parchure of Gokhale Institute of Politics and Economics, Prof. Dnyandev Talule and Director General of YASHADA and Department of Rural Development, Government of Maharashtra for making this analytical study possible.
6. I am further pleased to learn that Gokhale Institute is publishing this analysis in a book form, elucidating the methodology, analysis, suggestions and recommendations for future elections. I am sure that this will greatly help all the stakeholders in ensuring maximum peoples' participation in a free, fair and transparent manner.

Shri. J. Saharia

State Election Commission
Maharashtra

ACKNOWLEDGMENT

I am very pleased to present this report titled “Panchayat Samiti Elections in Maharashtra: A Data Analysis (1994-2013)” to the readers and scholars of decentralization. As the discerning reader must be aware, the State Election Commission of Maharashtra has been conducting local body elections in Maharashtra from 1994. Data pertaining to 4 rounds of elections held so far has been maintained by the SECM. This data contains a mine of information, the analysis of which would yield important insights for the SECM, especially from a policy making perspective. For example, voter awareness programs have to be given priority in the conduct of elections. This is an important issue for the SECM. However, should voter awareness programs be run with equal intensity across all parts of Maharashtra? Are there zones where voter turnout rates tend to be low? Can we identify these? If we can, then special attention can be given to these zones whilst planning the voter awareness drive. Careful analysis of data helps us to create these insights which would be relevant for policy making.

Gokhale Institute of Politics and Economics was given the task of analyzing the data available with the SECM in order to bring out important insights that may aid the direction of electoral policy. The data pertains to elections held in Municipal Councils, Municipal Corporations, Zilla Parishads as well as Panchayat Samitis. This publication brings out the analysis pertaining to election data of Panchayat Samitis only. The analysis of data of the other local bodies is presented in other reports. Our team at the Institute has worked hard in terms of cleaning up the database, enhancing it with other variables to draw insights and reporting the observable trends contained in the data with accuracy. The report carries interesting insights on all variables important for electoral policy direction.

Let me express my gratitude to Shri Jageshwar Saharia, State Election Commissioner, Maharashtra, for granting this interesting study project to the Gokhale Institute of Politics and Economics. Shri K. Suryarishnamurty, Assistant Commissioner, State Election Commission, Maharashtra, was a mentor for our team and guided and supported us at every stage of the project right from the data analysis to writing the report.

I am thankful to the Rural Development Department, Government of Maharashtra which funded the project completely. We are especially thankful to the Yashada officials, who were not only involved in the project as funding agency officials, but guided us through the entire timeline of the project. I must express special gratitude towards Prof. Dnyandeo Talule, Yashada, who generously lent a lot of time and effort to this project, and enriched our insights.

Mrs. Manasi Phadke has been the chief co-ordinator of this project and has been driving the processes right from data management to writing the report meticulously. I congratulate her as well as Prof. Talule for coming out with a timely and insightful publication. Mrs. Anjali Phadke was instrumental in helping us with the statistical part of the analysis. Together with her, I also acknowledge the sincere effort put into the project by Ms. Ashwini Velankar and Ms. Vaishnavi Dande, our young and enthusiastic research assistants. Mr. Vilas Mankar gave us all the technical assistance needed for this project extremely sincerely.

This project helped us to gain deep insights into the dynamics of local body elections of Panchayat Samitis, all of which have been duly presented in the report. I am sure that the report will serve as a useful addition to the existing literature on the subject.

Prof. Rajas Parchure

RBI Professor and Offg. Director
Gokhale Institute of Politics and Economics
Pune

CHAPTER - I

A HISTORICAL PERSPECTIVE ON LOCAL GOVERNANCE

EVOLUTION OF LOCAL SELF GOVERNANCE IN INDIA

In the Indian society, traditionally the village has been the unit of social and economic life; in the anthropological perspective it is termed as “the natural unit of living”. Obviously the villages enjoyed a kind of self-rule with regard to local affairs that also included judicial functions. In the course of time, the village bodies took the form of Panchayats which then started to look after the common affairs of the villagers without any interference from outside. Even as late as early nineteenth century, Panchayats did exist in some parts of India, leading Sir Charles Metcalfe, then provisional Governor General of India (1835-36), to characterize them as ‘little republics’ (George Mathew, 2004)⁴⁰.

After the establishment of direct rule of the Crown in 1858, it was not possible for colonial rulers to turn a blind eye to the innumerable villages in the country, which provided the broad platform for expansion of British trade and commerce. Therefore in 1870, the government adopted a policy to setup local self-government institutions (LSGI) in rural India. It is in this context that Lord Ripon, the then-Viceroy of India, passed the 1882 Resolution that paved the way for the establishment of LSGI in British India. This Resolution, for the first time, put forth a comprehensive theory of local government. Ripon’s Resolution led to enactment of new local self-government legislations in various provinces between 1883 and 1885. For a long time thereafter, there was no attempt to change the status quo, even though a Royal Commission on decentralization, in its report submitted in 1909, strongly advocated the need to associate local people in the task of local administration. In 1918, while introducing constitutional reforms, the recommendations of Royal Commission were taken seriously. As a result, under the newly amended local self-government Acts that were enacted in different provinces following the reforms, various self-governing institutions were established at the district, intermediate and village levels. These

⁴⁰George Mathew (2004), Local Democracy and Empowerment of the Underprivileged- An Analysis of Democratic Decentralization in India, Institute of Social Sciences, A Case Study-30826, Ministry of Rural Development, GoI, New Delhi.

institutions lasted not only during the remaining period of the British rule, but also left behind their legacy in the post-Independence period, which in fact established the three-tier decentralized democratic governance at the district level (Ibid).

PANCHAYAT SAMITIS

The roots of local governance in ancient India date back to the period of *Rig-Veda* (1700 BC). However, local governance in contemporary India owes its genesis to the establishment of Zilla Parishads as local boards at each district in the country in 1935. A Panchayat Samiti, in a federal state like India, is an administering local body created to oversee the governance and developmental aspects of the entire Taluk or Block which may comprise an equally large number of Gram Panchayats. Village development through Taluk Panchayat Samitis is facilitated by the Zilla Parishad. The first major attempt to institutionalize the Panchayats came from the Report of Balwantrai Mehta Committee which was mainly set up to assess the performance of community development programmes. The Committee advocated democratic decentralization and recommended the constitution of a three tier structure of Panchayats with Gram Panchayat at the village level, Panchayat Samitis at the block level and Zilla Parishad at the district level (GoI 1957)⁴¹. This was further bolstered by the government which enthusiastically adopted the proposal for the three-tier Panchayat system in rural India, and re-christened it as Panchayati Raj. By 1959 almost all States in the country had passed Panchayati Raj Acts and by the mid-1960s most of the States, including Maharashtra which emerged in the forefront to implement the proposal, had in place the three tier Panchayati Raj system.

DEMOCRATIC GOVERNANCE AND PANCHAYAT SAMITIS

The structure of rural governance in India through Zilla Parishads and Panchayat Samitis aims to create effective, responsive, democratic and accountable local governance framework for about 6.2 lakh villages spread across the nation. There are about 600 Zilla Parishads and more than 6500 Panchayat Samitis facilitating the objective of rural development. Both in India and abroad democracy and decentralization has the place of preponderance in local rural governance.

⁴¹ Balwantray Mehta (1957), Chairman, Balwantrai Mehta, GoI.

The idea of local governance continues to quietly sweep the world. From Bolivia to Bulgaria and from West Africa to South Asia, several countries have been strengthening their governments both at the urban and rural level with a view to make them more responsive, effective and delivery oriented (USAID 2000)⁴². Decentralization promotes democracy in myriad ways. It brings government closer to citizens and allows people to participate more effectively in local issues concerning development by identifying community priorities (Ibid). This also facilitates the understanding of democratic practices by people and their elected representatives. Therefore for the last twenty five years the concept of participation has been widely used in the development discourse. Democratic governance implies participation in the process of formulation, passage and implementation of public policies that are locally effective (Perry Mosley and Day, 1992)⁴³. It is by no means always a positive experience. In this case the rural communities need to take advantage of opportunities to improve democratic local governance. Local elections provide citizens with an opportunity to vote in or vote out parties from power, thereby making local bodies vibrant and democracy, stronger.

ADMINISTRATIVE STRUCTURE AND DECENTRALIZATION OF POWER

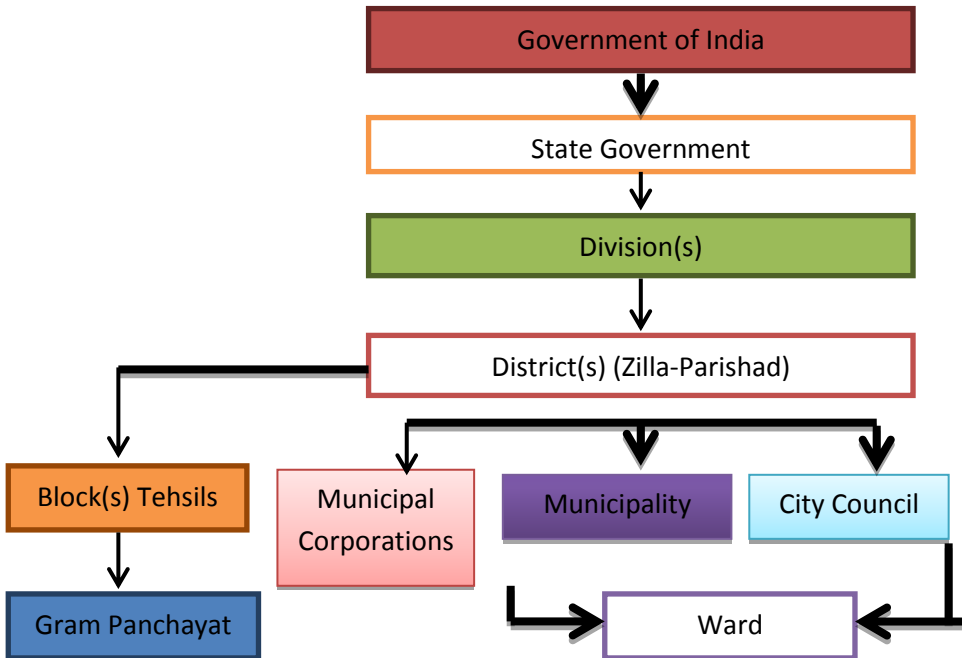
The Chief Executive Officer (CEO) of Zilla Parishad, who is an IAS officer, heads the administrative machinery. In some States of India, he may also be the District Magistrate. The CEO supervises the divisions of the Parishad and executes its development schemes. At Panchayat Samiti, an officer belonging to the State Public Service cadre is appointed as the Block Development Officer (BDO). The BDO heads the administrative structure at the Taluk Panchayat Samiti. The pattern of administration can be better understood from the following diagram:

⁴² Centre for Democracy and Governance, Decentralization and Democratic Local Governance Handbook, USAID, 20523-3100, PP. 05-06.

⁴³ Parry, G., Mosley, G. and Day N. (1992), Political Participation and Democracy in Britain. Cambridge: Cambridge University Press.

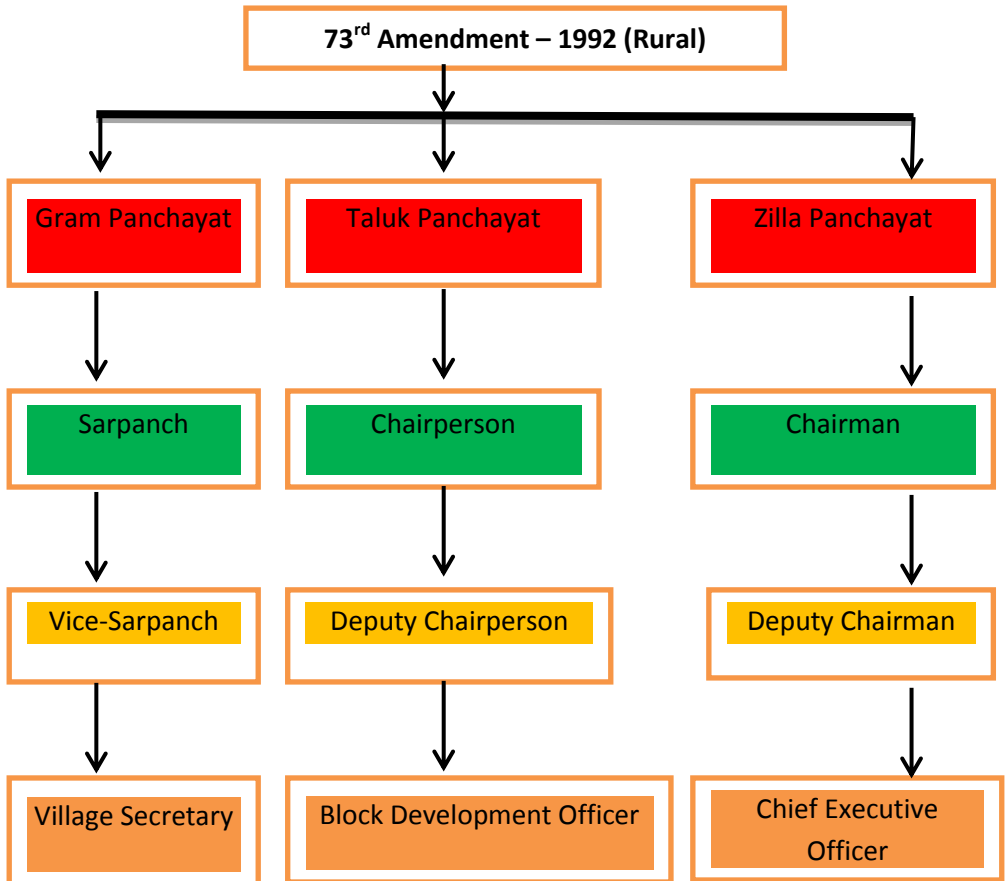
Administrative Structure and Decentralization of Power (Rural and Urban)

(73rd and 74th Amendments-1992)



The following diagram elucidates the structure of decentralization of power through local self-government in India post 73rd Constitutional Amendment (1992). This is inclusive of both the democratic and the administrative structure of local self-government and decentralization of power. While the Sarpanch, Sabhapati and Chairperson are respectively the elected heads of the village, the block and the district, the Gram Sevak, the BDO and the CEO head the administrative structure at these institutions and oversee the entire structure of rural development.

Local Self Government and Decentralization of Power



ELECTIONS TO PANCHAYAT SAMITIS

Democratic pattern of governance and elections are by no means new to the modern world. Elections have been the fulcrum of democracy since the 17th century. In ancient Greece and Rome, and throughout the medieval period, rulers such as the Holy Roman Emperor and the Pope were elected (Encyclopedia Britannica). In India, during the Vedic period the Raja of *Gana* (tribal group) was apparently elected by the *Gana*. Obviously the *Gana* members in this process had the final say in his selection.

In modern democracy, an election is a participatory decision making process by which the citizens choose their representative to hold a public office. Ballot box fills offices in the legislature, sometimes in the executive and judiciary and for regional and local government such as the Zilla Parishads, Panchayat Samitis and Gram Panchayats. After the 73rd and 74th Amendments to the Constitution in 1992 the Government of India established the State Election Commissions. Elections to the rural local bodies such as Zilla Parishads, Panchayat Samitis and Gram Panchayats are held at the regular interval of every five years on the lines of the Parliamentary elections in India. Very often the ruling party or local alliance elected to power at the local urban level is in alignment with the party or combine ruling at the State level even though in local elections the local issues are likely to be more dominant than the party philosophy or policies and programmes that the party may adopt at the broader State level.

Therefore, winning elections and acquiring power of decision making at the Zilla Parishads, Panchayat Samitis and Gram Panchayats, in a democracy like India, is a function of multidimensional aspects. Sometimes several issues related to local development are combined and determine the election outcomes which often may not have resemblance with the party philosophy at the broader state and national level.

In Maharashtra, the State Election Commission was set up in 1994. Since then it conducts elections to the local bodies including Zilla Parishads, Panchayat Samitis and village Gram Panchayats. Elections to Zilla Parishad and Panchayat Samitis are conducted simultaneously. Since its inception in 1994 the State Election Commission of Maharashtra has been electing approximately 2.5 lakh “people representatives” in nearly 28,000 local bodies which comprise 26 Municipal Corporations, 340 Municipal Councils and Nagar Panchayats, 34 Zilla Parishads, 351 Panchayat Samitis and approximately 27, 781 Gram Panchayats respectively (J. Saharia, 2016)⁴⁴.

⁴⁴ J. Saharia (2016), Data Based Analysis of Municipal Elections in Maharashtra-1994-2013 (Foreword), R. K. Parchure, Manasi Phadke and Dnyandev Talule, GIPE, Pune, A Study for the State Election Commission of Maharashtra.

THEORETICAL PERSPECTIVE AND THE GLOBAL EXPERIENCE OF VOTER TURNOUT AT THE LOCAL ELECTIONS

Low voter turnout in elections is not the concern of Indian democracy alone. Even American democracy has repeatedly experienced the concern of low voter participation in federal elections (Bannett and Resnick, 1990)⁴⁵ and (Sidney Verba, Schlozman and Brady 1995)⁴⁶. Almost half of the eligible voters of America do not exercise their franchise in Presidential elections, which can broadly be termed as an “evidence of crises in country’s democracy” (Ruy A. Teixeira, 1992)⁴⁷ and (Rosenstone and Hansen, 1993)⁴⁸. In recent decades, a few studies have attempted to look comprehensively at Municipal level voter turnout in the US. These studies suggest that voter turnout in Municipal elections may average half that of national elections, with turnout in some cities falling below a quarter of the voting age population (Alford and Lee, 1968)⁴⁹, (R. L. Morlan, 1984)⁵⁰ and (Ruby Bridges, 1997)⁵¹. However, the voter turnout at elections to rural local bodies like Zilla Parishads in different States of India is often observed to be higher than the turnout at Parliamentary elections. Low voter turnout in Municipal elections raises a number of concerns, the most serious being that the voice of the people in Municipal elections is likely to be severely distorted. Disadvantaged segments of the society, racial and ethnic minorities, the poor, illiterates tend to vote significantly less regularly than others in

⁴⁵Bennett and Resnick (1990), *The Implications of Nonvoting for Democracy in the United States*, *American Journal of Political Science* 34:771-802; Verba, Schlozman and Brady (1995), *Voice and Equity: Civic Voluntarism in American Politics*, Cambridge, MA: Harvard Uni. Press

⁴⁶Sidney Verba, Schlozman and Brady (1995), *Voice and Equality*, Cambridge, Mass: Harvard University Press.

⁴⁷Ruy A. Teixeira (1992), *The Disappearing American Voter*, Washington DC: Brooking Institutions; Rosenstone S. J. and J. M. Hansen (1993), *Mobilization, Participation and Democracy in America*, New York: Macmillan.

⁴⁸Rosenstone S. J. and J. M Hansen (1993), *Mobilization, Participation and Democracy in America*, New York: Macmillan; Verba, Schlozman and Brady (1995), *Voice and Equity: Civic Voluntarism in American Politics*, Cambridge, MA: Harvard Uni. Press.

⁴⁹Alford R. R. and E. C. Lee (1968), *Voting Turnout in American Cities*, *American Political Science Review* 62:796-813

⁵⁰Morlan R. L. (1984), *Municipal versus National Election Voter Turnout: Europe and the United States*, *Political Science Quarterly* 99:457-70.

⁵¹Ruby Bridges A. (1997), *Morning Glories: Municipal Reform in the Southwest*, Princeton, NJ: Princeton Uni. Press

democratic contests (Rosenstone and Hansen, 1993)⁵² and (Sidney Verba, Schlozman and Brady 1995)⁵³. And therefore, with low voter turnout, this bias is likely to become more pronounced (Wattenberg, 1998)⁵⁴.

At the local level then, there is a risk that non-participation in the democratic process and consequent low voter turnout may actually distort people's representation. Therefore, increase in turnout in local urban or rural elections is a challenge for strengthening democracy and designing and implementing people-oriented policies and programmes at the local level. Voting in local elections in fact provides citizens with an opportunity to learn about and engage in a democratic process beginning with the grassroots level. Given the proximity of the local government and its relatively small size, it is in many ways easier for citizens to acquire crucial democratic skills and become familiar with the public realm at the local level (Zoltan Hajnal, P. G. Lewis and Hugh Louch, 2002)⁵⁵. Election timing is also observed as a vital determinant of voter turnout which matters the most. This is because voter turnout is observed to be much lower in off-cycle than in on-cycle elections. Looking at California, for example, it was found that average voter turnout in an off-cycle election is 35 per cent lower than turnout when city elections are held at the same time as Presidential elections (Sarah F. Anzia 2014)⁵⁶.

“Social capital” is believed to play a dominant role in increasing voter turnout, which in turn improves political representation both at the national and local levels of governance (Mathew D. Atkinson and Anthony Fowler, 2012)⁵⁷. Voting requires time and information and there is little chance that one vote will change

⁵² Rosenstone S. J. and J. M Hansen (1993), *Mobilization, Participation and Democracy in America*, New York: Macmillan; Verba, Schlozman and Brady (1995), *Voice and Equity: Civic Voluntarism in American Politics*, Cambridge, MA: Harvard Uni. Press

⁵³ Sidney Verba, Schlozman and Brady (1995), *Voice and Equality*, Cambridge, Mass: Harvard University Press.

⁵⁴ Wattenberg M. P. (1998), *Turnout Decline in the US and Other Advanced Industrial Democracies*. Irvine, CA: Centre for the Study of Democracy.

⁵⁵ Zoltan Hajnal, Paul George Lewis and Hugh Louch (2002), *Municipal Elections in California: Turnout, Timing and Competition*, Public Policy Institute of California.

⁵⁶ Sarah F. Anzia (2014), *Timing and Turnout: How Off-Cycle Elections Favor Organized Groups*, University of Chicago Press.

⁵⁷ Mathew D. Atkinson and Anthony Fowler (2012), *The Effect of Social Capital on Voter Turnout: Evidence from Saint's Day Fiestas in Mexico*, University of California, Los Angeles and Harvard University.

the election outcome; hence the turnout poses a classic collective action problem (Mancur Olson, 1965)⁵⁸. It is argued that social capital may provide a solution to the collective action problem of voter turnout, which is defined as “Citizen Engagement in Community Affairs” (Robert Putnam, 1995, P.664)⁵⁹. Social capital can increase voter turnout by increasing the flow of political information through a community. Recent field experiences demonstrate that societal pressure could lead to an increase in voter turnout to the extent of 30 to 38 per cent (Gerber et al, 2008)⁶⁰. However, a contrary view points out that social connectedness may actually lead to decrease in voter turnout in cases where an individual social network creates a force which does not rely on voting to make its voice heard (Diana C. Mutz, 2002)⁶¹. Also, an increase in social capital in heterogeneous communities leads to uncertainty about political views and reduces the voter turnout (Ibid). In a nutshell, there are good reasons to believe that social capital may have positive or negative effects on voter turnout at every level of democracy, irrespective of rural or urban.

Voter turnout, which refers to the percentage of voters who exercise their franchise at an election, out of the total number of eligible voters, is one significant measure of citizen participation in democratic politics. Worldwide, voter turnout during the period 1945–2001 shows a notable decline, with major decline taking place since the mid-1980s (Rafael Lopez Pintor, 2002)⁶² and (Maria Gratschew and Kate Sullivan, 2002)⁶³. Africa witnessed a pronounced increase in democratic participation during the 1980s when several African nations were riding the wave of democratization. Turnout in North and South American countries during the same period was observed to be stable, as was that of Oceania and Western Europe. During the same period, the Middle East

⁵⁸MancurOlson (1965),The Logic of Collective Action, HUP.

⁵⁹Robert Putnam (1995, Tuning In, Tuning Out; The Strange Disappearances of Social Capital in America. PS: Political Science and Politics 28(4): 664-683.

⁶⁰ Gerber, Alan, Donald Green and C. Larimer (2008), Social Pressure and Voter Turnout: Evidence from a Large-Scale Field Experiment: American Political Science Review, 102(1): 33-48.

⁶¹Diana C. Mutz (2002), The Consequences of Cross-Cutting Networks for Political Participation, American Journal of Political Science, 46(4):838-855.

⁶²Rafael Lopez Pintor (2002), Voter Turnout Since 1945: A Global Report, Stockholm, Sweden: International Institute of Democracy and Electoral Assistance.

⁶³Maria Gratschew and Kate Sullivan (2002), Compulsory Voting, ARENA, Association of Electoral Administrators, Oxonian Rewley Press Ltd. United Kingdom.

recorded varied turnout while Asia witnessed the most pronounced variations in democratic participation (Ibid). Average turnout from 1990 to 2001 peaked at 79 per cent in Oceania which was just ahead of Western Europe with turnout proportion of 78 per cent. Both Asia and Central and Eastern European region for the same period had an average voter turnout of 72 per cent while the average in Central and South America was 69 per cent, North America and the Caribbean – 65 per cent. Africa's average turnout was the lowest at 64 per cent which, by all standards, is higher than the voter turnout at most of India's Parliamentary elections (Ibid).

The comparison of voter turnout across nations further elucidates a wide range of variations. For example, 93 per cent voter turnout in a country like Liechtenstein in Western Europe against 56 per cent in neighbouring Switzerland can be attributed to compulsory voting in Liechtenstein. On the contrary, a country like Bahamas, where voting is not compulsory, records a turnout of 92 per cent compared with the Haitian average of 47 per cent (Ibid). Since the 1970s established democracies of the world have recorded a slow but steady decline in voter turnout; however during the same period, several other nations where participative democratic processes strengthened, recorded vast increase in turnout, peaking at about 80 per cent (Ibid).

There is no doubt that the capacity to read and write, Female Literacy Ratio (FLR), Per Capita Income (PCI), etc. do not necessarily translate into an ability to make coherent and informed political decisions. In fact, it is observed that while voter turnout does increase initially with increase in literacy, it tends to decline in societies where literacy exceeds 90 per cent (Ibid).

There are 9 major electoral systems within parliamentary elections used around the world. Alternative vote used in Australia, Fiji and Nauru demonstrate an average turnout of 91 per cent, while Jordan and Vanuatu, with single non-transferable vote system, have an average turnout of 43 per cent. The other systems do not have such a large deviation, with single transferable vote at 80 per cent and two round system at 63 per cent. An interesting result is the relatively small difference between the two most widely used systems.

Very often the reason cited for low voter turnout is that for many people today democracy has become synonymous with elections and political parties. Other than voting once every five years, ordinary citizens are more likely to remain

detached from the issues of governance. It is a fact that voter participation has decreased and the established democracies of the world have experienced what is termed as crises of political parties.

The United Nations General Assembly Convention 1979 which seeks to eliminate all forms of discrimination against women also emphasizes the importance of equal participation of women in public life. However, the question remains as to whether women participation in the overall voter turnout has actually increased. Various studies on voting pattern in Western Europe and North America establish the fact that gender, along with age, education and social class, was one of the standard demographic and social characteristics used to predict levels of civic engagement, political activism and electoral turnout (Tingsten, 1937)⁶⁴, (Almond and Verba, 1963)⁶⁵, (Stein Rokkan, 1970)⁶⁶ and (Verba Sidney N, and Norman H. Nie, 1972)⁶⁷. The studies also reveal that gender differences were narrowing even in the 1950s in advanced industrialized societies such as the Sweden (Martin Lipset, 1960)⁶⁸. In most societies, when it comes to political activity, men are found to be more active than women (Verba, Sidney N, NieLekajcie Sie and Kim Cattreal 1978)⁶⁹. Such gender differences have persisted in spite of significant advances in the levels of education. Usually women are found to be less involved in unconventional forms of democratic participation such as strikes and protest movements, thereby leading to lower participation of women also in conventional democratic processes (Barnes and Kaase, 1979)⁷⁰. However, this finding has been visibly challenged by the female

⁶⁴Tingsten H.L.G. (1937), *Political Behaviour, Studies in Election Statistics*: London: P.S. King.

⁶⁵Almond G. A. and S Verba (1963), *The Civic Culture, Political Attitude and Democracy in Five Nations*, Princeton, N.J. Princeton University Press.

⁶⁶Stein Rokkan (1970), *Citizens, Elections, Parties: Approaches to the Comparative Study of the Processes of Development* Oslo: Universitetsforlaget.

⁶⁷Verba Sidney N, and Norman H. Nie (1972), *Participation and Social Equality*, Cambridge, Mass: Harvard University Press.

⁶⁸Martin Lipset (1960), *Political Man: the Social Bases of Politics*, Garden City, New York, Doubleday.

⁶⁹Verba, Sidney N, NieLekajcieSieand KimCattreal (1978), *Participation and Social Equality*, Cambridge, Mass: Harvard University Press and Verba SK and N, Nie (1972), *Politicization in America, Political Democracy and Social Equity*, New York, Harper and Row.

⁷⁰Barnes S and Kaase M (1979), *Political Action, Mass Participation in Few Western Democracies*, Beverly Hills, Calif: Sage.

voting pattern in recent times. In the US for example, in the Presidential elections held post 1980, the proportion of eligible female adults who exercised their franchise exceeded the proportion of eligible male adults. The same phenomenon was evident in non-Presidential mid-term elections since 1986 (CAWP, 2000)⁷¹. Overall percentage of female voter turnout in the US outnumbers the male electorate implying that the number of female voters has exceeded the number of male voters in every Presidential election. Similar trends are evident in Britain where the gender gap in turnout reversed in 1979 so that by 1997 elections an estimated 17.79 million women voted compared with about 15.8 million men (Rafael Lopez Pintor, Maria Gratschew and Kate Sullivan, 2002)⁷². This indicates that the patterns of voter turnout can be influenced by a legal framework that draws citizens towards meaningful political activity (Ibid). In nations like Barbados and Sweden it is observed that the number of female voters consistently exceeds male voters. Conscious attempts to bring women into political framework can potentially lead to increase in the voter turnout.

Other important factors that may influence voter turnout include the proportion of youth voters to total voters, internet voting, extended polling, and perhaps even compulsory voting. Compulsory voting is not a new idea; countries like Belgium (1892), Argentina (1914) and Australia (1924) were among the first countries to introduce compulsory voting laws (Ibid).

VOTER TURNOUT AT ZILLA PARISHAD AND PANCHAYAT SAMITI ELECTIONS IN INDIA AND MAHARASHTRA

Even though the State of Maharashtra is not an exception to low voter turnout at Municipal Corporation elections, the voting behaviour at its closest rural counterpart, i.e., the Zilla Parishad and Panchayat Samiti elections is always observed to be higher. The voter turnout at Municipal elections in the State is observed to be lower while the same for Gram Panchayats, Block Panchayat Samitis and Zilla Parishads has been higher. Elections to the Municipal Councils and Municipal Corporations in Maharashtra have recorded a voter turnout of less

⁷¹ CAWP (2000), Women in State Legislature, Center for American Women and Politics, Eagleton Institute of Politics, Rutgers, The State University of New Jersey, 919, Ryders Lane, New Brunswick, NJ 08901 (732) 932-9384: www.cawp.rutgers.edu

⁷²Rafael Lopez Pintor, Maria Gratschew and Kate Sullivan (2002), Compulsory Voting, ARENA, Association of Electoral Administrators, Oxonian Rewley Press Ltd. United Kingdom.

than 45 per cent; even larger city corporations like Mumbai (43.50 per cent) and Thane have not been an exception (ToI, 2012)⁷³. This is an evidence of low engagement of citizens in community affairs (Olson Mancur, 1965)⁷⁴. With this background, the voter turnout at the elections to the Zilla Parishads and Block Panchayat Samitis in the States like Andhra Pradesh and Karnataka presents a far better picture of citizen participation. A large number of districts have recorded voter turnout of 70 per cent at Zilla Parishad and Panchayat Samiti elections and in many districts it was between 75 and 80 per cent (The Pioneer, 2016)⁷⁵. This phenomenon can be observed across States in India. In Andhra Pradesh the voter turnout at Zilla Parishad and Panchayat Samiti elections is often higher than 80 to 85 per cent (Business Standard, 2014)⁷⁶, whereas in Mysore it was 75.65 per cent (Deccan Herald, 2016)⁷⁷. In Dakshina Kannada Zilla Parishad and Panchayat Samiti 69 per cent voter turnout was recorded (Coastaldigest.com)⁷⁸ while other parts of Karnataka such as Sullia, Puttur, Bantwal, Mangaluru and Belthangady have recorded a voter turnout of 74.15, 71.40, 69.48, 65.58 and 64.82 per cent respectively (Ibid).

Though voter turnout in elections to Zilla Parishads and Panchayat Samitis in Maharashtra is substantially higher than the turnout at Municipal elections, there is still scope for further increase in the voter turnout. Low voter turnout at local elections poses a classic collective action problem. Only high voter turnout can ensure a truly participative democracy and serve the larger public interest by designing policies and programmes that are in sync with public aspirations.

In order to formulate policies to increase voter turnout, it is important to analyze the data of preceding elections to understand the trends in voter turnout. Once the trends are understood, it would be possible to target certain areas more intensively for increasing the voter turnout in such areas.

It is therefore necessary to adopt a coherent policy to increase the voter turnout. The existing data with the State Election Commission of Maharashtra needs to be analyzed to understand the electoral trends in the State Zilla Parishad and

⁷³Times of India, 16.02.2012: Retrieved: 26.09.2016.

⁷⁴Olson Mancur (1965), *The Logic of Collective Action*, Harvard University Press, US.

⁷⁵The Pioneer, 07.10.2016, Retrieved: 07.10.2016.

⁷⁶Business Standard, 11.04.2016, Retrieved: 07.10.2016.

⁷⁷Deccan Herald, 07.10.2016 Retrieved: 07.10.2016.

⁷⁸Coastaldigest.com: Retrieved: 07.10.2016.

Panchayat Samiti elections. Once the trends are analyzed, systematic efforts could be initiated to target certain sections of voters and areas/constituencies more intensively for increasing the voter turnout. It is with this objective that the study of election data analysis on Panchayat Samiti elections held between 1994 and 2013 was commissioned to Gokhale Institute of Politics and Economics, Pune, at the initiative of the State Election Commission of Maharashtra.

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CHAPTER- 2

DEFINING VARIABLES AND RESEARCH QUESTIONS

INTRODUCTION

The 73rd Amendment to the Constitution, which gave constitutional status to the Panchayat Raj Institutions (PRI), was passed in 1992. The same Amendment provided for the creation of the State Election Commission of Maharashtra (SECM) for conduct of elections in urban and rural local self-governance bodies. All urban and rural local body elections in Maharashtra since 1994 have been conducted by the SECM. While urban bodies include Municipal Corporations, Municipal Councils and Nagar Panchayats, rural bodies encompass Zilla Parishads, Panchayat Samitis and Gram Panchayats.

In Maharashtra State, at the time of establishment of the SECM, some of the local bodies -- rural as well as urban -- were already in existence and were functioning with elected members. It was decided to allow such local bodies to continue and hold elections to these local bodies as and when they completed their 5-year term. Thus, in Maharashtra, all local bodies do not go to polls at the same time. Different local bodies, urban and rural, go to polls as and when their 5-year term ends.

Since its establishment, the SECM has conducted 4 rounds of elections in all the local bodies. The first round was from 1994-98, the second round was from 1999-2003, the third from 2004-08 and the fourth from 2009-13. From 2014 onwards, the fifth round of elections is being conducted by the SECM across all rural and urban local bodies in Maharashtra. Whilst some bodies have already conducted the fifth round of elections, in nearly 26 out of 36 districts in Maharashtra, all urban and rural bodies will go to polls from November 2016 to March 2017.

The SECM has maintained some basic data on a few electoral variables for each round of elections held since 1994. This data is on the following variables:

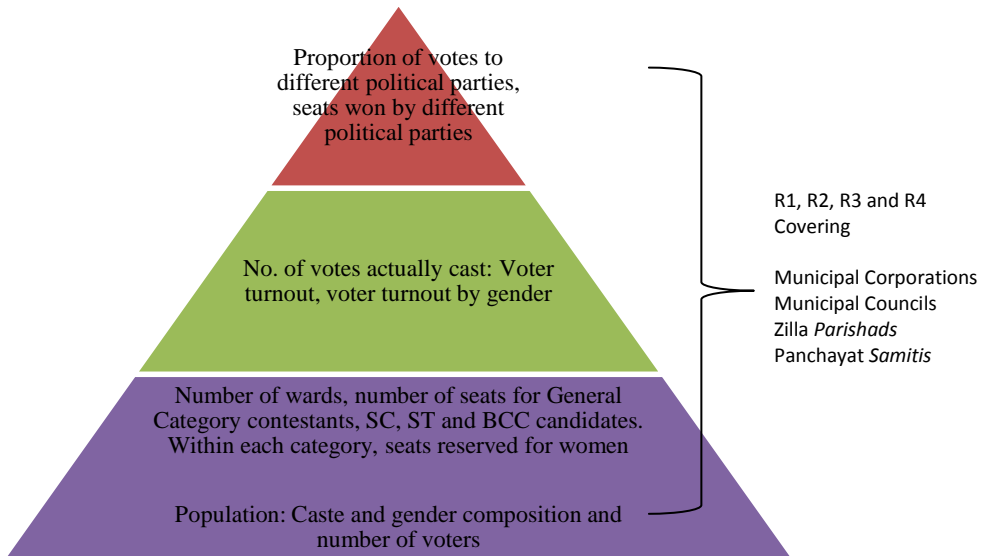
- a. Population which will be governed by the local body
- b. Proportion of SC population within the total population
- c. Proportion of ST population within the total population

- d. Total number of wards created within the area governed by the local body
- e. Number of seats contested for the local body
- f. Number of seats reserved for SC, ST, BCC categories
- g. Number of seats that fall under General Category
- h. Number of seats reserved for women under General, SC, ST, BCC categories
- i. Number of voters within the population
- j. Number of male and female voters
- k. Number of votes cast
- l. Number of valid votes cast
- m. Voter Turnout Ratio (defined as number of valid votes/ number of eligible voters in the population)
- n. Proportion of votes received by different political parties, coalitions and independent candidates
- o. Distribution of seats won by different political parties, coalitions and independent candidates

The following graph shows a pictorial representation of the data available with the SECM across four rounds of elections, referred to as R1, R2, R3 and R4 hereafter. For some of the local bodies, data on Voter Turnout is not available for R1. However, data on all variables is definitely available for R2, R3 and R4. This data is available for Municipal Corporations, Municipal Councils, Nagar *Pachayats*, Zilla *Parishads* and Panchayat *Samitis*. Data has not been maintained for Gram Panchayats.

1. DATA AVAILABLE WITH SECM

Figure No. 2.1: Data Available with SECM



Out of the data available for all the different local bodies, this report is purely based on the analysis of data pertaining to Panchayat Samitis (hereafter referred to as PSs).

2. FORMATTING AND ENHANCING THE DATASET

Section 1 gives details of the variables on which data has been maintained by the SECM. Following variables were constructed from the existing database so as to understand the key patterns in the dataset.

VOTER TURNOUT (VT)

Voter Turnout is hereafter referred to as VT. The importance of VT from the perspective of electoral results cannot be underestimated. The ratio of VT can swing results of the election either way and hence VT is one of the most watched variables by candidates, political parties as well as the SECM. Indeed, for the SECM, increasing the VT has been a key issue because a truly fair election can only be deemed to be held when the VT is nearly 100per cent.

This report treats VT as a key variable. Patterns in VT across various Panchayat Samitis as well as across different rounds of elections have been highlighted. Correlations between VT and various other variables have been explored so as to draw meaningful conclusions that could be relevant to the SECM in the conduct of future elections.

PROPORTION OF SCST (SCST)

The proportion of SC and ST population to the total population of the area governed by the local body is hereafter referred to as SCST. SCST can have an impact on VT and hence it is important to analyze this variable.

The proportion of SC and ST population to the total population as declared by the Census for the particular area is taken as a reference while deciding the number of seats to be reserved within a Panchayat Samiti by the SECM. The reservation of seats too impacts VT. In fact, rather than use SCST as a causal variable to explain the trends in VT, it would be more pertinent to look at the patterns in reservations. Patterns in the reservations are captured in the variable RES, which is described next.

PROPORTION OF SEATS RESERVED (RES)

As has been mentioned above, the proportion of SC and ST in the population is declared in the Census report; since the Census is released every decade, the proportion of SC/ST to total population within Corporation limits is considered as fixed for one decade. However, in the same decade, two elections are conducted to any local body. Now, since the seats are reserved on a rotation basis, a very interesting pattern emerges. Even if the SC/ST population for the Panchayat Samiti is frozen for a decade as per the Census, reservation of seats in different constituencies of the PS undergoes rotation in the same decade. And this change in reservation affects voter behavior.

RES is defined to be the proportion of reserved seats to the total number of seats in any PS. This has been used as a causal variable to check whether changes in the proportion of seats under reservation bring about a change in the VT ratios in different Panchayat Samitis.

PROPORTION OF SEATS WON BY INDEPENDENT CANDIDATES (IND)

The proportion of votes garnered by independent candidates in a Council is hereafter referred to as IND. IND is interesting because it identifies those areas wherein independent candidates garner highest number of votes.

Apart from these variables which have been created out of the existing dataset, some additional variables were created in order to explore the data patterns more deeply. Thus, the existing data has not only been used to identify certain key variables, but it has also been enhanced by introducing new variables. Following were the new variables added to the dataset.

POLITICAL ALIGNMENT (POL)

POL is a dummy variable which stands for “Political Alignment.” If the party winning maximum number of seats at the local level is the same as the party in power at the State level, then the dummy variable POL takes value 1, otherwise 0. This variable was added to identify clusters of areas that normally show higher alignment with the State Government.

PROXY FOR COMPETITION BETWEEN THE PARTIES (REVERSE COMP)

REVERSE COMP is a variable that helps to understand the level of competition between different political parties. The dataset contained data on distribution of seats to different political parties. Lower standard deviation in the distribution of seats would imply that different parties were in neck to neck competition.

Thus, REVERSECOMP is defined as the standard deviation of distribution of seats between political parties. Lower the value of REVERSECOMP higher would be the level of competition between the parties. Areas with high degree of competition between political parties show a high level of “swing” i.e. the elections can swing the outcome in favour of any one party. Hence, those areas with low REVERSECOMP values could be identified as areas wherein the swing quotient would be quite high and the contest would be close.

DEVELOPMENT INDEX (DEV)

Political outcomes show distinct patterns vis-à-vis development ratios. Normally, in more developed areas, casting a vote is normally not the only way in which the electorate can signal their approval or disapproval for the party or the elected member in power. In fact, in more developed areas, where alternative options (such print media and television, social media, etc.) are available to the electorate to convey their sentiments to the elected representatives or to the Government, the voter turnout could be lower. Similarly, in more developed areas, one may witness higher participation of women both as voters as well as contestants. Thus, the level of development of an area (DEV) could be a key factor in determining voter behavior in general and voter turnout in particular. It would be thus necessary to develop a proxy for DEV, without which VT may not be explained satisfactorily.

The 2011 Census carries data on per capita income at district level, which can be used as a district level development indicator. DEV is constructed in the following fashion. The proportion of per capita income of a particular district to the per capita income of all districts (in Maharashtra) together is defined as DEV.

However, since this data is only available in the 2011 Census, it is not possible to trace the effect that economic development has on political dynamics across time. However, the correlations between economic development and political variables have been worked out in a static sense in the study.

The following section highlights the research questions on Panchayat Samitis that were handled using the enhanced data sets.

3. IDENTIFYING THE RESEARCH QUESTIONS

Following is a list of the research questions around which the data analysis is structured.

1. What is the behavior of Voter Turnout in successive rounds of elections in Panchayat Samitis? Has the average VT changed across successive rounds?
2. Do certain PSs have a history of higher VT?
3. Do PSs with high VTs cluster together geographically?

4. Do Panchayat Samitis with higher proportion of seats reserved for SC and ST population proportions show higher VT?
5. Do PSs of better developed districts show a lower VT?
6. Which Panchayat Samitis in Maharashtra are “swing” PSs i.e. Panchayat Samitis in which the elections are closely contested and can potentially swing in favor of any one party?
7. Similarly, which are the PSs in which the swing is extremely low? That is, which are the PSs which show single party dominance?
8. Are “swing” Panchayat Samitis also those which exhibit a higher VT level?
9. Is there a correlation in development quotient and the swing behavior?
10. Which are the PSs that show a high degree of political alignment to the State Government?
11. Has the proportion of seats won by Independent candidates in PSs increased over a period of time?
12. Is it the case that proportion of PS seats won by independent candidates is higher in more well-developed areas?

These are the main research questions around which the data analysis has been designed. A focal point of data analysis is to aid developing crucial insights into the trends in Panchayat Samiti elections so that some strategies can be designed for the upcoming elections.

CHAPTER - 3

DATA ANALYSIS: BEHAVIOUR OF MAIN VARIABLES ACROSS DIFFERENT ROUNDS OF ELECTIONS

Zilla Parishad and Panchayat Samiti elections are held at the same time. Thus, every voter casts two votes on the day of elections, one for the Zilla Parishad representative, and one for the Panchayat Samiti (hereafter referred to as ZP and PS respectively) representative. Thus, the voter turnout rate for ZP and PS is identical. However, trends in other variables such as distribution of reserved category seats in the local body, political alignment of the local bodies, proportion of seats won by Independent candidates, etc. could be different in Zilla Parishads and Panchayat Samitis.

This chapter highlights the trends in the different variables as observed in the PS elections.

3.1 VOTER TURNOUT

As has been mentioned in Chapter 2, Voter Turnout is a crucial variable for the SECM. A higher VT is a policy objective, and indicates that the democratic forces are indeed operative at the grassroots level. A higher VT truly invokes higher competition amongst political parties and Independent candidates alike.

Following are the summary statistics for VT across three rounds of PSElections.

Table No. 3.1: Trends in VT across Successive Rounds of Elections

VT	R1	R2	R3	R4
Mean	70.162	69.438	69.236	67.54
Std. Deviation	5.895	5.032	4.429	3.81
Minimum	56.910	56.422	59.300	58.24
Maximum	79.730	79.148	78.600	75.37

There are three worrisome observations about the voter turnout at ZP and PS elections.

1. The overall VT average across all rounds of elections stands at 69.09 per cent. As has been stated at the beginning of this chapter, ZP and PS elections are held simultaneously. Hence, the average VT for both ZP as well as PS elections is 69.09 per cent. The average voter turnout for Municipal Corporation elections in Maharashtra is 56 per cent whereas that for Municipal Councils and Nagar Panchayats is 71 per cent.

2.

It is worrisome to note that the VT in ZP and PS elections is lower as compared to the VT in Municipal Council and Nagar Panchayat elections. This implies that a higher proportion of the population votes at the Municipal Councils and Nagar Panchayats, which govern small urban or sub-urban areas, as compared to the proportion of population which votes for ZPs and PSs, which govern the rural parts of districts and blocks respectively.

This is truly surprising because it has been a common observation across countries, states and local areas that rural areas have higher VT as compared to urban areas. This is because the urban voter does not exclusively rely on his vote to voice his opinion. He uses social media, newspapers, citizen groups and NGOs to voice his opinion on social issues. However, these options are not available to the rural voter or to the urban voter in small townships. Hence, one would normally expect the average VT to increase as one moves from Municipal Corporations to Municipal Councils and from Councils to ZPs and PSs. The average VT for Municipal Corporations in Maharashtra stands at 56.31 per cent; for ZP and PS it stands at 69.09 per cent and for Municipal Councils and Nagar Panchayats it stands at 70.77 per cent. Data trends belie intuition.

Thus, the average VT in ZP and PS elections has in fact been lower than that in the Municipal Council elections. One of the reasons that could be a contributing factor to this trend could be migration. If the level of migration from rural to urban areas is higher as compared to that from

semi-urban areas to urban areas, then it may reflect in lower VT in the rural body elections.

This trend also highlights the fact that urbanization and migration could well become a central policy issue for the SECM over a period of time. More thought will have to be given to how migrating voters may be allowed to cast their vote from distant locations.

3. The second worrisome observation is that the voter turnout has been continually falling over the four rounds of elections held so far. In the Municipal Council as well as Municipal Corporation elections, the voter turnout has increased in R3 i.e. in the elections held during the period 2004-08. However, in the ZP and PS election data, there is almost a linear decrease in the voter turnout with every election. Clearly, the enthusiasm amongst the urban voters in R3 has not been observed amongst rural voters.
4. There is a rather interesting, but again worrisome, story in the variability of the VT. A look at the standard deviations tells us that the standard deviations in the VT are falling across successive rounds of elections. The standard deviation is a measure of variability. It tells us how much variability is there in the data pertaining to VT in different rounds of elections. A reduction in the standard deviation means that even though the average VT has been falling, it does seem to be the case that the diversity in the voting patterns across various ZPs and PSs is reducing. Thus, in R1, there may be PSs with extremely high and/or low values; however these extremities are getting replaced by a more uniform pattern of voting across successive rounds of elections. A lower standard deviation and a lower average implies that from R1 to R4, lesser number of voters are casting their votes and this is becoming a more uniform trend across all ZPs and PSs. An increasing average with a lower standard deviation is desirable; but a lower VT with more uniformity indicates a rather discouraging trend.

The same point comes across more clearly when one considers the behaviour of the minimum and maximum numbers in different rounds of elections. The minimum VT has increased across time and the maximum

has reduced across time; these two put together imply that the standard deviation or variability in data will reduce. However, the increment in minimum is lower as compared to the reduction in maximum; this causes the average VT to fall across successive rounds of election.

3.1.4 CLUSTER ANALYSIS OF VT

A cluster analysis is carried out to identify those PSs which have exhibited a higher VT and those which have exhibited a lower VT. This analysis is important because it helps to understand where intensive voter awareness programs need to be launched. Thus, the cluster analysis of VT data can become a significant input for a meaningful policy to promote voter awareness.

As per the cluster analysis, the following PSs are classified as high VT cluster. These areas have a voter turnout of more than 70.21 per cent; the highest VT is in Gagan Bawda Panchayat Samiti in Kolhapur district and the lowest in this cluster is in Tuljapur Panchayat Samiti in Osmanabad district. The average VT for this cluster is 73.87 per cent.

Table No. 3.2: Panchayat Samitis belonging to the high VT cluster

Division	District	PS	Av VT
Pune	Kolhapur	Gagan Bawda	86.91
Pune	Kolhapur	Kagal	82.99
Pune	Kolhapur	Radhanagari	81.53
Pune	Kolhapur	Panhala	81.04
Nagpur	Gadchiroli	Desaiganj (Wadsa)	80.85
Nagpur	Gadchiroli	Kurkheda	79.38
Pune	Kolhapur	Chandgad	78.90
Aurangabad	Hingoli	Basmat	78.88
Nagpur	Gadchiroli	Chamorshi	78.31
Nagpur	Chandrapur	Bramhapuri	78.22
Nagpur	Bhandara	Mohadi	78.01
Pune	Sangli	Walva Islampur	77.74
Aurangabad	Hingoli	Kalamnuri	77.73
Nagpur	Gondia	Goregaon	77.67

Contd...

Division	District	PS	Av VT
Nashik	Nandurbar	Navapur(Sa)	77.66
Nashik	Nashik	Surgana	77.29
Nagpur	Chandrapur	Mul	77.26
Nagpur	Gondia	Salekasa	77.25
Nagpur	Gondia	Sadak-Arjuni	77.16
Aurangabad	Hingoli	Sengaon	77.07
Nagpur	Chandrapur	Gondpimpri	77.01
Amravati	Washim	Washim	77.01
Nagpur	Bhandara	Pauni	77.00
Nagpur	Bhandara	Lakhandoor	76.98
Nagpur	Gadchiroli	Gadchiroli	76.96
Nagpur	Gondia	Arjuni-Morgaon	76.77
Aurangabad	Jalna	Jafrabad	76.58
Aurangabad	Parbhani	Purna	76.55
Pune	Kolhapur	Shahuwadi	76.52
Pune	Kolhapur	Karvir	76.44
Konkan	Raigad	Karjat	76.40
Konkan	Raigad	Uran	76.28
Nagpur	Bhandara	Tumsar	75.96
Pune	Solapur	Pandharpur	75.90
Nagpur	Gadchiroli	Mulchera	75.86
Pune	Kolhapur	Shirol	75.84
Nagpur	Gondia	Amgaon	75.81
Nagpur	Gondia	Gondia	75.56
Pune	Kolhapur	Bhudargad	75.54
Nagpur	Gondia	Tiroda	75.53
Amravati	Yavatmal	Zari Zamani	75.39
Pune	Sangli	Shirala	75.24
Nagpur	Gadchiroli	Armori	75.01
Nagpur	Chandrapur	Sindevahi	75.00
Nagpur	Chandrapur	Pombhurna	74.89
Konkan	Raigad	Pen	74.88

Contd...

Division	District	PS	Av VT
Amravati	Buldhana	Jalgaon Jamod	74.63
Amravati	Buldhana	Deoulgaon Raja	74.60
Amravati	Washim	Risod	74.39
Pune	Sangli	Palus	74.00
Nashik	Nandurbar	Akkalkuva (Sa)	73.99
Aurangabad	Parbhani	Parbhani	73.90
Nagpur	Chandrapur	Saoli	73.86
Nagpur	Bhandara	Sakoli	73.80
Pune	Sangli	Kadegaon	73.76
Nagpur	Nagpur	Mauda	73.73
Konkan	Raigad	Alibag	73.72
Pune	Pune	Indapur	73.71
Amravati	Yavatmal	Ghatanji	73.57
Amravati	Akola	Telhara	73.50
Aurangabad	Beed	Beed	73.46
Nashik	Ahmednagar	Shrigonda	73.25
Pune	Kolhapur	Hatkanangale	73.24
Amravati	Buldhana	Shegaon	73.12
Aurangabad	Nanded	Mahur	73.09
Nagpur	Gadchiroli	Dhanora	73.06
Nashik	Nashik	Trambakeshwar	73.03
Nagpur	Bhandara	Lakhani	72.95
Pune	Pune	Velha	72.74
Nagpur	Chandrapur	Nagbhid	72.63
Nagpur	Wardha	Hinganghat	72.58
Aurangabad	Nanded	Loha	72.58
Nagpur	Bhandara	Bhandara	72.48
Pune	Kolhapur	Ajara	72.44
Amravati	Yavatmal	Wani	72.38
Nagpur	Nagpur	Kalmeshwar	72.32
Amravati	Buldhana	Sangrampur	72.30

Contd...

Division	District	PS	Av VT
Aurangabad	Parbhani	Pathari	72.24
Pune	Satara	Mahabaleshwar	72.21
Nagpur	Chandrapur	Rajura	72.16
Aurangabad	Nanded	Kandhar	72.14
Nashik	Ahmednagar	Karjat	72.11
Pune	Satara	Khandala	72.11
Aurangabad	Aurangabad	Sillod	72.10
Aurangabad	Parbhani	Palam	72.08
Amravati	Buldhana	Nandura	72.04
Nagpur	Wardha	Karanja	71.99
Pune	Kolhapur	Gadhingalaj	71.97
Nashik	Nandurbar	Nandurbar	71.95
Amravati	Buldhana	Khamgaon	71.90
Pune	Satara	Wai	71.88
Nagpur	Wardha	Arvi	71.88
Nashik	Ahmednagar	Kopargaon	71.85
Nagpur	Chandrapur	Chimur	71.67
Amravati	Buldhana	Chikhali	71.57
Nagpur	Chandrapur	Warora	71.46
Aurangabad	Jalna	Ambad	71.40
Aurangabad	Nanded	Ardhapur	71.39
Aurangabad	Parbhani	Selu	71.36
Konkan	Sindhudurg	Deogad	71.31
Nagpur	Wardha	Samudrapur	71.31
Amravati	Buldhana	Malkapur	71.22
Amravati	Buldhana	Shindkhed Raja	71.21
Amravati	Washim	Mangrulpir	71.19
Nashik	Jalgaon	Muktainagar /Edlabad	71.07
Aurangabad	Jalna	Bhokardan	70.99
Nagpur	Nagpur	Kuhi	70.98
Aurangabad	Aurangabad	Paithan	70.94

Contd...

Division	District	PS	Av VT
Pune	Sangli	Kavathe Mahan Kal	70.94
Nashik	Nashik	Peth	70.91
Amravati	Amravati	Achalpur	70.89
Amravati	Washim	Malegaon	70.86
Aurangabad	Jalna	Jalna	70.85
Nagpur	Wardha	Seloo	70.81
Amravati	Akola	Akot	70.81
Pune	Satara	Man	70.75
Konkan	Sindhudurg	Vengurla	70.73
Pune	Pune	Bhor	70.72
Aurangabad	Parbhani	Gangakhed	70.69
Nagpur	Gadchiroli	Sironcha	70.63
Konkan	Raigad	Khalapur	70.53
Amravati	Akola	Patur	70.52
Konkan	Raigad	Panvel	70.51
Aurangabad	Parbhani	Manvat	70.48
Pune	Sangli	Khanapur (Vita)	70.45
Amravati	Yavatmal	Darwaha	70.42
Pune	Satara	Khatav	70.37
Amravati	Buldhana	Lonar	70.33
Aurangabad	Jalna	Partur	70.22
Nagpur	Gondia	Deori	70.22
Aurangabad	Osmanabad	Tuljapur	70.21

Following are the PSs which are classified as medium VT cluster as per the cluster analysis. These areas have a voter turnout of more than 61.7 per cent; the highest VT is in Kinwat Panchayat Samiti in Nanded district and the lowest in this cluster is in Solapur North Panchayat Samiti in Solapur district. The average VT for this cluster is 66.35 per cent.

Table No. 3.3: Panchayat Samitis belonging to the medium VT cluster

Division	District	PS	Av VT
Aurangabad	Nanded	Kinwat	70.09
Pune	Satara	Patan	70.08
Nagpur	Gadchiroli	Korchi	70.01
Aurangabad	Beed	Georai	70.00
Nagpur	Wardha	Deoli	69.90
Amravati	Buldhana	Mehkar	69.89
Amravati	Amravati	Warud	69.87
Nashik	Nashik	Kalwan	69.87
Aurangabad	Latur	Shirur (Anantpal)	69.77
Aurangabad	Parbhani	Jintur	69.76
Amravati	Amravati	Anjangaon	69.76
Konkan	Raigad	Mahad	69.75
Nashik	Ahmednagar	Parner	69.72
Aurangabad	Osmanabad	Kalamb	69.61
Amravati	Yavatmal	Arni	69.60
Amravati	Yavatmal	Maregaon	69.53
Aurangabad	Jalna	Badnapur	69.50
Amravati	Yavatmal	Kelapur	69.48
Konkan	Raigad	Murud	69.44
Aurangabad	Aurangabad	Khuldabad	69.44
Pune	Satara	Phaltan	69.29
Nashik	Ahmednagar	Shrirampur	69.28
Nagpur	Nagpur	Ramtek	69.17
Nagpur	Chandrapur	Korpana	69.16
Aurangabad	Nanded	Umari	69.15
Aurangabad	Nanded	Bhokar	69.07
Amravati	Amravati	Chikhaldara	69.03
Aurangabad	Beed	Ashti	68.98
Amravati	Washim	Karanja	68.97
Amravati	Yavatmal	Umarkhed	68.96

Contd...

Division	District	PS	Av VT
Pune	Pune	Daund	68.90
Pune	Solapur	Barshi	68.74
Amravati	Yavatmal	Digras	68.71
Nagpur	Nagpur	Bhiwapur	68.70
Nashik	Nashik	Dindori	68.68
Aurangabad	Latur	Chakur	68.63
Amravati	Washim	Manora	68.61
Aurangabad	Jalna	Ghansawangi	68.59
Pune	Satara	Koregaon	68.59
Aurangabad	Beed	Ambejogai	68.57
Pune	Solapur	Marshiras	68.57
Aurangabad	Latur	Ahmedpur	68.52
Nashik	Nashik	Igatpuri	68.49
Aurangabad	Parbhani	Sonpeth	68.44
Aurangabad	Beed	Majalgaon	68.38
Amravati	Amravati	Chandur Bazar	68.37
Nagpur	Chandrapur	Ballarpur	68.27
Nagpur	Wardha	Ashti	68.24
Konkan	Raigad	Poladpur	68.20
Pune	Solapur	Mhada	68.07
Nagpur	Chandrapur	Bhadravati	68.03
Pune	Pune	Shirur	68.02
Nagpur	Chandrapur	Jeoti	68.02
Aurangabad	Osmanabad	Bhoom	67.80
Nagpur	Nagpur	Katol	67.63
Nagpur	Nagpur	Narkhed	67.62
Aurangabad	Latur	Latur	67.57
Aurangabad	Aurangabad	Aurangabad	67.55
Nashik	Nandurbar	Taloda (Sa)	67.55
Aurangabad	Latur	Jalkot	67.54
Konkan	Raigad	Sudhagad	67.54

Contd...

Division	District	PS	Av VT
Amravati	Yavatmal	Ralegaon	67.52
Aurangabad	Hingoli	Aundha Nagnath	67.51
Konkan	Sindhudurg	Vaibhavwadi	67.50
Pune	Satara	Karad	67.41
Aurangabad	Nanded	Dharmabad	67.40
Amravati	Akola	Balapur	67.37
Aurangabad	Aurangabad	Vaijapur	67.37
Konkan	Sindhudurg	Kankavali	67.37
Aurangabad	Latur	Udgir	67.20
Nagpur	Gadchiroli	Aheri	67.10
Aurangabad	Hingoli	Hingoli	67.09
Aurangabad	Aurangabad	Phulambri	67.06
Nashik	Jalgaon	Chopada	67.03
Amravati	Amravati	Dharni	66.97
Aurangabad	Osmanabad	Paranda	66.97
Aurangabad	Aurangabad	Kannad	66.86
Aurangabad	Nanded	Hadgaon	66.85
Nashik	Nashik	Chandwad	66.85
Pune	Sangli	Miraj	66.81
Amravati	Buldhana	Motala	66.79
Pune	Pune	Maval	66.78
Nashik	Dhule	Sindkheda	66.77
Konkan	Sindhudurg	Kudal	66.77
Pune	Pune	Ambegaon	66.73
Amravati	Akola	Barshitakali	66.69
Amravati	Yavatmal	Ner	66.64
Aurangabad	Beed	Parali	66.63
Aurangabad	Latur	Renapur	66.60
Aurangabad	Nanded	Naigaon (K.)	66.57
Pune	Sangli	Jat	66.51
Aurangabad	Osmanabad	Washi	66.51
Aurangabad	Latur	Nilanga	66.47

Contd...

Division	District	PS	Av VT
Amravati	Amravati	Nandgaon Khandeshwar	66.45
Nashik	Jalgaon	Jamner	66.44
Nashik	Nandurbar	Shahada	66.41
Amravati	Yavatmal	Babhulgaon	66.39
Pune	Solapur	Karmala	66.30
Aurangabad	Beed	Patoda	66.30
Nashik	Ahmednagar	Rahuri	66.28
Nashik	Jalgaon	Raver	66.22
Nagpur	Wardha	Wardha	66.09
Amravati	Yavatmal	Kalamb	66.09
Pune	Solapur	Mangalvedha	66.05
Aurangabad	Nanded	Himayatnagar	66.05
Nagpur	Nagpur	Saoner	66.00
Amravati	Amravati	Morshi	65.92
Pune	Solapur	Mohol	65.91
Aurangabad	Nanded	Biloli	65.90
Aurangabad	Latur	Deoni	65.86
Aurangabad	Nanded	Mudkhed	65.83
Pune	Pune	Junnar	65.78
Nashik	Ahmednagar	Shevgaon	65.67
Aurangabad	Jalna	Mantha	65.64
Amravati	Yavatmal	Mahagaon	65.60
Konkan	Raigad	Mangaon	65.58
Konkan	Sindhudurg	Malvan	65.56
Aurangabad	Beed	Kaij	65.55
Nashik	Nandurbar	Akrani (Sa)	65.54
Konkan	Ratnagiri	Chiplun	65.51
Pune	Sangli	Atpadi	65.50
Nashik	Jalgaon	Erandol	65.49
Nashik	Dhule	Sakri	65.48
Konkan	Ratnagiri	Khed	65.47

Contd...

Division	District	PS	Av VT
Nashik	Nashik	Yeola	65.34
Nashik	Jalgaon	Bhadgaon	65.32
Konkan	Raigad	Roha	65.25
Aurangabad	Nanded	Degloor	65.22
Amravati	Buldhana	Buldhana	65.13
Pune	Pune	Mulshi	65.02
Konkan	Thane	Jawhar	64.98
Aurangabad	Aurangabad	Soygaon	64.92
Aurangabad	Beed	Shirur (Kasar)	64.87
Nagpur	Nagpur	Parshioni	64.84
Nashik	Jalgaon	Yaval	64.82
Nashik	Jalgaon	Dharangaon	64.80
Nashik	Ahmednagar	Nevasa	64.78
Nashik	Jalgaon	Pachora	64.76
Konkan	Ratnagiri	Ratnagiri	64.57
Aurangabad	Latur	Ausa	64.54
Nashik	Dhule	Dhule	64.44
Konkan	Raigad	Shrivardhan	64.32
Nashik	Jalgaon	Jalgaon	64.28
Nashik	Ahmednagar	Jamkhed	64.24
Konkan	Raigad	Tala	64.24
Aurangabad	Aurangabad	Gangapur	64.20
Amravati	Amravati	Amravati	64.15
Konkan	Sindhudurg	Dodamarg	64.10
Amravati	Amravati	Dhamangaon Railway	64.05
Pune	Pune	Purandar	64.05
Aurangabad	Osmanabad	Osmanabad	64.02
Nashik	Ahmednagar	Akole	63.97
Nagpur	Nagpur	Umred	63.96
Pune	Pune	Baramati	63.92
Konkan	Ratnagiri	Guhagar	63.92

Contd...

Division	District	PS	Av VT
Aurangabad	Nanded	Nanded	63.92
Konkan	Thane	Talasari	63.82
Konkan	Thane	Murbad	63.80
Aurangabad	Beed	Wadwani	63.77
Nashik	Ahmednagar	Rahata	63.76
Nashik	Jalgaon	Bodwad	63.71
Amravati	Amravati	Chandur Railway	63.60
Nashik	Nashik	Deo La	63.59
Aurangabad	Osmanabad	Navin Lohara	63.54
Nagpur	Nagpur	Hingna	63.46
Konkan	Ratnagiri	Lanja	63.44
Konkan	Thane	Bhiwandi	63.43
Nashik	Ahmednagar	Pathardi	63.42
Aurangabad	Nanded	Mukhed	63.18
Aurangabad	Osmanabad	Umarga	63.10
Konkan	Thane	Mokhada	63.00
Konkan	Raigad	Mhasala	62.85
Amravati	Akola	Murtijapur	62.78
Konkan	Ratnagiri	Dapoli	62.71
Nagpur	Nagpur	Kamthi	62.67
Amravati	Akola	Akola	62.42
Nashik	Dhule	Shirpur	62.25
Konkan	Ratnagiri	Sangmeshwar	62.17
Konkan	Ratnagiri	Mandangad	62.13
Nashik	Ahmednagar	Ahmednagar	62.13
Nashik	Jalgaon	Amalner	62.04
Nashik	Nashik	Sinnar	61.97
Amravati	Amravati	Bhatkuli	61.94
Konkan	Ratnagiri	Rajapur	61.74
Pune	Solapur	Solapur North	61.70

The following PSs are classified as low VT cluster as per the cluster analysis. These areas have a voter turnout of more than 41.49 per cent; the highest VT is in Teosa Panchayat Samiti in Amravati district and the lowest in this cluster is in Tasgaon Panchayat Samiti in Sangli district. The average VT for this cluster is 56.79 per cent.

Table No. 3.4: Panchayat Samitis belonging to the low VT cluster

Division	District	PS	Av VT
Amravati	Amravati	Teosa	61.48
Nashik	Jalgaon	Chalisingaon	61.09
Pune	Pune	Khed	60.89
Nashik	Ahmednagar	Sangamner	60.80
Nashik	Jalgaon	Parola	60.57
Pune	Solapur	Solapur South	60.30
Nashik	Nashik	Baglan	60.24
Amravati	Amravati	Daryapur	60.19
Konkan	Thane	Vikramgad	59.96
Pune	Solapur	Akkalkot	59.93
Konkan	Thane	Shahapur	59.91
Konkan	Thane	Wada	59.79
Nagpur	Chandrapur	Chandrapur	59.32
Konkan	Thane	Ambarnath	59.25
Konkan	Thane	Palghar	58.68
Aurangabad	Beed	Dharur	58.37
Konkan	Thane	Vasai	58.22
Nashik	Nashik	Niphad	57.48
Nashik	Nashik	Nashik	57.32
Nagpur	Gadchiroli	Etapalli	57.13
Nashik	Nashik	Malegaon	57.00
Pune	Pune	Have Li	56.88
Nagpur	Gadchiroli	Bhamragad	56.42
Nashik	Jalgaon	Bhusawal	56.05
Pune	Solapur	Sangola	56.00

Contd...

Division	District	PS	Av VT
Pune	Satara	Jawali	55.90
Amravati	Yavatmal	Yavatmal	55.80
Nashik	Nashik	Nandgaon	54.44
Konkan	Thane	Dahanu	53.89
Amravati	Yavatmal	Pusad	53.50
Pune	Satara	Satara	53.15
Nagpur	Nagpur	Nagpur Rural	53.01
Konkan	Thane	Kalyan	48.41
Konkan	Sindhudurg	Sawantwadi	44.77
Pune	Sangli	Tasgaon	41.49

Thus, the high, medium and low VT clusters have average values of 73.8 per cent, 66.35 per cent and 56.79 per cent respectively. These average values, around which the cluster is arranged, are called as centroids of the cluster. Thus, there are three distinct centroids for the VT cluster process; it is in the low VT cluster that voter awareness programs can make a true difference.

4.1.1 DOES VT DEPEND ON PAST PERIOD VT?

Voter turnout may not only be dependent on the level of propaganda done by candidates, or the amount of hype created during elections or even on expenditure incurred by the Government on voter awareness programs. It could simply be the case that there is a history or culture of voting associated with certain areas.

Does the VT witnessed in a Panchayat Samiti in a particular round show some positive correlation with the VT in the past rounds? If yes, then it would imply that PSs which show high VT continue to show high numbers for the next elections as well. Similarly, the positive correlation coefficient would imply that PSs with a low ratio continue to exhibit low ratios in the next rounds too. The following table shows the correlation matrix for VT in the different election rounds.

Table No. 3.5: Correlation Matrix for VT

	VT R2	VT R3	VT R4
VT R2	1		
VT R3	0.31**	1	
VT R4	0.42**	0.66**	1

** indicate significance at 5 per cent l.o.s.

All correlation co-efficients are positive and significant. This implies that a PS with a high VT in one round typically tends to exhibit high VT in the next round too. The last row of the table shows the correlation co-efficients of VTs between R4 and the earlier rounds. It shows that the correlation co-efficient between R4 and R3 is 0.66 and that between R4 and R2 is 0.42. This makes intuitive sense and implies that the VT in the current round is more strongly impacted by the VT in the earlier round; this impact however keeps on weakening as we go backward into time.

3.2 POLITICAL ALIGNMENT

As mentioned in Chapter 2, the variable political alignment POL has been created to enhance the data-set.

If a Panchayat Samiti has the same party in power as the party in the State Government, political alignment i.e. POL takes value 1, otherwise 0. Political alignment helps to show alignment patterns of PSs with State Government. The objective of creating this variable is to examine if rural areas of certain districts have a relationship with the government at the State. This variable highlights the effect of a change in the State Governments on local governance tiers. One may well look at it as a “*political trickle down*” effect.

Following is a snapshot of how the data looks once POL is constructed.

Table No. 3.6: POL in Select Panchayat Samitis

District	Panchyat Samiti	R1	R2	R3	R4
		Election Period			
		1994-98	1999-03	2004-09	2009-13
Ahmednagar	Ahmednagar	0	1	0	0
Ahmednagar	Akole	1	1	1	1
Ahmednagar	Jamkhed	1	1	0	1
Ahmednagar	Karjat	1	1	1	1
Ahmednagar	Kopergaon	1	1	1	1
Ahmednagar	Newasa	1	1	1	1
Ahmednagar	Parner	0	1	1	0
Ahmednagar	Pathardi	1	1	1	1
Ahmednagar	Rahata	1	0	1	1
Ahmednagar	Rahuri	1	1	0	1
Ahmednagar	Sangamner	1	1	1	1
Ahmednagar	Shevgaon	1	0	1	1
Ahmednagar	Shrigonda	1	1	1	1
Ahmednagar	Shrirampur	1	1	1	1

The various patterns in POL such as 1-0-0-0, 1-1-1-0, 1-0-1-0, 0-1-0-1, 0-1-1-1 etc. are extremely interesting and reveal different political dynamics. If a PS exhibits a pattern such as 0-1-0-1 or 1-0-1-0, it indicates that there have been a lot of fluctuations in the political alignment. A pattern such as 0-0-1-1 indicates a recent move towards alignment. If an average of political alignment is considered, the average number will obviously lie between 0 and 1. A PS whose average across all rounds is 0 shows zero alignment to the State Government from 1995 to 2014. A PS whose average across all rounds is 1 shows maximum influence of State Government over local political forces.

Assume that two Panchayat Samitis get an average score of 0.5 which indicates that they've been aligned with the State Government for 2 rounds each. However, the underlying political forces could be very different. One PS could be showing a pattern of 1-1-0-0 which means that it was aligned with the SS-BJP State Government in R1 and with the INC-NCP State Government in R2, but in

the recent two elections, it does not show any alignment with the INC-NCP government. Another PS may show a pattern of 0-0-1-1 which means that it was not aligned with the SS-BJP Government in R1 and with the INC-NCP State Government in R2, but recently has become aligned with INC-NCP State Government in R3 and R4.

Thus, different political equations with the parties in power at the State level will create different alignment patterns in POL.

Table No. 3.7: Trends in POL in Successive Rounds of Election

	Mean	Minimum	Maximum
POL2	.79	0	1
POL3	.63	0	1
POL4	.73	0	1

Patterns in POL for PS data reveal that the political alignment with the State Government seems to have reduced over three rounds of election, from R2 to R4, with a sharp dip in R3. This is in sharp contrast to the trends observed in ZP data, which show that the alignment of ZPs with the State Government has increased. Putting the ZP and PS data together, an interesting trend gets revealed. While the ZPs have become more aligned with the ruling party (INC-NCP) from R2 to R4, the PSs however show lesser alignment. Thus, while the INC-NCP seems to have a stronger presence at ZPs from 1999 to 2014, they seem to have lost their hold over PSs over the same time period.

LIST OF PANCHAYAT SAMITIS EXHIBITING COMPLETE ALIGNMENT AND NON-ALIGNMENT WITH THE STATE GOVERNMENT

Some Panchayat Samitis exhibit complete non-alignment with State incumbent across time. This implies that POL for these states shows a 0-0-0-0 pattern. The State Government does not seem to exercise a hold over local area politics. In these PSs, there would be other local level forces that really determine the election outcomes.

It is to be noted that rural local bodies normally do not enjoy fiscal autonomy to the extent that urban local bodies do, since the taxes and duties which they can collect or the finances they can raise is restricted. Thus, rural local bodies depend heavily on the State Government for their funding requirements. This automatically implies that the development and performance of a rural local body is a function of its political alignment. Obviously, there are very few PSs exhibiting zero political alignment; these would make interesting case studies in terms of understanding whether alignment truly impacts the fund flow towards these bodies.

Following is a list of PSs which show zero alignment with the State in the past 4 rounds of elections.

Table No. 3.8: Panchayat Samitis Showing Zero Political Alignment with State Government from 1995 to 2014

DISTRICT	PANCHYAT SAMITI	R1	R2	R3	R4
Akola	Akola	0	N	0	0
Akola	Barshitkali	0	N	0	0
Akola	Murtizapur	0	N	0	0
Akola	Patur	0	N	0	0
Akola	Telhara	0	N	0	0
Beed	Parli	0	0	0	0
Beed	Shirur K.	0	0	0	0
Dhule	Shindkhed	0	N	0	0
Gondia	Amgaon	0	N	0	0
Gondia	Deori	0	N	0	0
Gondia	Salekasa	0	N	0	0
Nagpur	Kamptee	0	0	0	0
Nashik	Surgana	0	0	0	0
Raigad	Alibag	0	0	0	0
Raigad	Panvel	0	0	0	0
Raigad	Uran	0	0	0	0
Ratnagiri	Dapoli	0	0	0	0

Contd...

DISTRICT	PANCHYAT SAMITI	R1	R2	R3	R4
Ratnagiri	Khed	0	0	0	0
Ratnagiri	Lanja	0	0	0	0
Ratnagiri	Ratnagiri	0	0	0	0
Ratnagiri	Sangameshwar	0	0	0	0
Solapur	Sangola	0	0	0	0
Thane	Palghar	0	0	0	0
Thane	Talasari	0	0	0	0
Yavatmal	Wani	0	0	0	0

Some PSs exhibit complete alignment with the State Government i.e. the POL in these districts exhibits a 1-1-1-1 pattern. This implies that the State incumbent has a lot of control over local area rural politics in these districts.

The following PSs show complete alignment with the State incumbent in all four rounds of elections.

Table No. 3.9: List of PSs showing complete alignment with State Government from 1995 to 2014

DISTRICT	PANCHYAT SAMITI	R1	R2	R3	R4
Ahmednagar	Akole	1	1	1	1
Ahmednagar	Karjat	1	1	1	1
Ahmednagar	Kopergaon	1	1	1	1
Ahmednagar	Newasa	1	1	1	1
Ahmednagar	Pathardi	1	1	1	1
Ahmednagar	Sangamner	1	1	1	1
Ahmednagar	Shrigonda	1	1	1	1
Ahmednagar	Shrirampur	1	1	1	1
Amravati	Daryapur	1	1	1	1
Amravati	Warud	1	1	1	1
Aurangabad	Kannad	1	1	1	1
Aurangabad	Phulambri	1	1	1	1
Beed	Beed	1	1	1	1

Beed	Kaij	1	1	1	1
Beed	Patoda	1	1	1	1
Buldhana	Chikli	1	1	1	1
Buldhana	Deoulgaonraja	1	1	1	1
Buldhana	Lonar	1	1	1	1
Buldhana	Malkapur	1	1	1	1
Buldhana	Motala	1	1	1	1
Buldhana	Shegaon	1	1	1	1
Buldhana	Sindkhedraja	1	1	1	1
Chandrapur	Gondpipri	1	1	1	1
Chandrapur	Rajura	1	1	1	1
Chandrapur	Warora	1	1	1	1
Gadchiroli	Desaiganj	1	1	1	1
Gadchiroli	Dhanora	1	1	1	1
Gadchiroli	Ettapalli	1	1	1	1
Gadchiroli	Gadchiroli	1	1	1	1
Gadchiroli	Kurkheda	1	1	1	1
Gadchiroli	Mulchera	1	1	1	1
Gadchiroli	Sironcha	1	1	1	1
Hingoli	Hingoli	1	1	1	1
Hingoli	Sengaon	1	1	1	1
Jalgaon	Bhadgaon	1	1	1	1
Jalgaon	Bodwad	1	1	1	1
Jalgaon	Chalisgaon	1	1	1	1
Jalgaon	Chopda	1	1	1	1
Jalgaon	Jalgaon	1	1	1	1
Jalna	Ambad	1	1	1	1
Jalna	Mantha	1	1	1	1
Kolhapur	Ajara	1	1	1	1
Kolhapur	Bhudargad	1	1	1	1
Kolhapur	Gadhingalaj	1	1	1	1
Kolhapur	Gaganbawda	1	1	1	1
Kolhapur	Hatkanangale	1	1	1	1
Kolhapur	Karvir	1	1	1	1
Kolhapur	Radhanagri	1	1	1	1

Kolhapur	Shirol	1	1	1	1
Latur	Ausa	1	1	1	1
Latur	Deoni	1	1	1	1
Latur	Jalkot	1	1	1	1
Latur	Latur	1	1	1	1
Latur	ShirurAnantpal	1	1	1	1
Latur	Udgir	1	1	1	1
Nagpur	Kalmeshwar	1	1	1	1
Nanded	Ardhapur	1	1	1	1
Nanded	Dharmabad	1	1	1	1
Nanded	Kandhar	1	1	1	1
Nanded	Loha	1	1	1	1
Nanded	Mudkhed	1	1	1	1
Nanded	Mukhed	1	1	1	1
Nanded	Naigaon (Kh)	1	1	1	1
Nanded	Nanded	1	1	1	1
Nanded	Umri	1	1	1	1
Nashik	Baglan	1	1	1	1
Nashik	Chandwad	1	1	1	1
Nashik	Dindori	1	1	1	1
Nashik	Kalwan	1	1	1	1
Nashik	Nashik	1	1	1	1
Nashik	Niphad	1	1	1	1
Nashik	Trimbakeshwar	1	1	1	1
Nashik	Yeola	1	1	1	1
Osmanabad	Bhoom	1	1	1	1
Osmanabad	Kallam	1	1	1	1
Osmanabad	Osmanabad	1	1	1	1
Osmanabad	Tuljapur	1	1	1	1
Osmanabad	Washi	1	1	1	1
Parbhani	Jintur	1	1	1	1
Parbhani	Parbhani	1	1	1	1
Parbhani	Pathri	1	1	1	1
Parbhani	Purna	1	1	1	1
Parbhani	Sonpeth	1	1	1	1

Pune	Ambegaon	1	1	1	1
Pune	Baramati	1	1	1	1
Pune	Bhor	1	1	1	1
Pune	Dound	1	1	1	1
Pune	Haveli	1	1	1	1
Pune	Indapur	1	1	1	1
Pune	Junnar	1	1	1	1
Pune	Khed	1	1	1	1
Pune	Mulashi	1	1	1	1
Pune	Shirur	1	1	1	1
Pune	Velha	1	1	1	1
Raigad	Mangaon	1	1	1	1
Raigad	Roha	1	1	1	1
Raigad	Sudhagad	1	1	1	1
Raigad	Tala	1	1	1	1
Sangli	Atpadi	1	1	1	1
Sangli	Jath	1	1	1	1
Sangli	KavateMahankal	1	1	1	1
Sangli	Khanapur (Vita)	1	1	1	1
Sangli	Miraj	1	1	1	1
Sangli	Palus	1	1	1	1
Sangli	Shirala	1	1	1	1
Sangli	Tasgaon	1	1	1	1
Sangli	Walwa (Islampur)	1	1	1	1
Satara	Jaoli	1	1	1	1
Satara	Karad	1	1	1	1
Satara	Khandala	1	1	1	1
Satara	Khatav	1	1	1	1
Satara	Koregaon	1	1	1	1
Satara	Mahabaleshwar	1	1	1	1
Satara	Man	1	1	1	1
Satara	Patan	1	1	1	1
Satara	Phaltan	1	1	1	1
Satara	Satara	1	1	1	1
Satara	Wai	1	1	1	1

Sindhurg	Dodamarg	1	1	1	1
Sindhurg	Kanakavali	1	1	1	1
Sindhurg	Kudal	1	1	1	1
Sindhurg	Sawantwadi	1	1	1	1
Solapur	Akkalkot	1	1	1	1
Solapur	Barshi	1	1	1	1
Solapur	Madha	1	1	1	1
Solapur	Malshiras	1	1	1	1
Solapur	Mangalvedha	1	1	1	1
Solapur	Mohol	1	1	1	1
Solapur	North Solapur	1	1	1	1
Solapur	Pandharpur	1	1	1	1
Solapur	South Solapur	1	1	1	1
Thane	Ambarnath	1	1	1	1
Thane	Bhiwandi	1	1	1	1
Thane	Dahanu	1	1	1	1
Thane	Murbad	1	1	1	1
Wardha	Arvi	1	1	1	1
Wardha	Ashti	1	1	1	1
Wardha	Deoli	1	1	1	1
Wardha	Hinganghat	1	1	1	1
Wardha	Seloo	1	1	1	1
Wardha	Wardha	1	1	1	1
Yavatmal	Arni	1	1	1	1
Yavatmal	Bhabulgaon	1	1	1	1
Yavatmal	Ghatanji	1	1	1	1
Yavatmal	Kelapur	1	1	1	1
Yavatmal	Mahagaon	1	1	1	1
Yavatmal	Pusad	1	1	1	1
Yavatmal	Ralegaon	1	1	1	1
Yavatmal	Umarkhed	1	1	1	1
Yavatmal	Zarijamani	1	1	1	1

3.3 COMPETITION AMONGST POLITICAL PARTIES (REVERSE COMP) AND IDENTIFICATION OF “SWING” PANCHAYAT SAMITIS

REVERSE COMP is a variable that helps to understand the level of competition between different political parties. It is computed as the standard deviation of the distribution of seats won across political parties, coalitions and independent candidates. If the standard deviation is very low, it would be observed that the number of seats is more evenly distributed across different political parties. Thus, lesser the standard deviation, lesser is REVERSECOMP and higher is the level of competition between political parties. In such areas, elections can “swing” the outcome in favour of any one party. Elections of this type can go either way and the areas are classified as “swing” areas. Hence, areas with tough political competition between political parties show a high level of swing. This section identifies swing PSs where too the contest is likely to be bitter. Swing PSs would need more attention in terms of implementation of the Model Code of Conduct.

The table below depicts Panchayat Samitis with low REVERSECOMP quotient, which implies that a high degree of competition is likely to exist between political parties in elections to these PSs.

Table No. 3.10: List of Swing Panchayat Samitis (with Low REVERSECOMP Values)

Division	District	Panchayat Samiti	REVERSE COMP	VT
Konkan	Raigad	Murud	0.53	69.44
Pune	Solapur	Solapur North	0.61	61.70
Konkan	Thane	Mokhada	0.61	63.00
Nagpur	Chandrapur	Jeoti	0.61	68.02
Nagpur	Chandrapur	Pombhurna	0.61	74.89
Nagpur	Gadchiroli	Mulchera	0.61	75.86
Nashik	Nashik	Peth	0.61	70.91
Amravati	Yavatmal	Maregaon	0.68	69.53
Aurangabad	Nanded	Mahur	0.69	73.09
Amravati	Yavatmal	Zari Zamani	0.71	75.39

Aurangabad	Nanded	Dharmabad	0.73	67.40
Nashik	Jalgaon	Bodwad	0.74	63.71
Amravati	Buldhana	Malkapur	0.76	71.22
Pune	Pune	Velha	0.78	72.74
Konkan	Raigad	Poladpur	0.78	68.20
Pune	Kolhapur	Gagan Bawda	0.79	86.91
Nagpur	Chandrapur	Ballarpur	0.79	68.27
Nashik	Ahmednagar	Jamkhed	0.81	64.24
Konkan	Thane	Jawhar	0.81	64.98
Konkan	Raigad	Mhasala	0.83	62.85
Nagpur	Gadchiroli	Bhamragad	0.83	56.42
Nagpur	Gadchiroli	Korchi	0.83	70.01
Konkan	Raigad	Sudhagad	0.84	67.54
Nagpur	Chandrapur	Gondpimpri	0.86	77.01
Nagpur	Gadchiroli	Desaiganj (Wadsa)	0.86	80.85
Konkan	Thane	Ambarnath	0.87	59.25
Aurangabad	Nanded	Ardhapur	0.89	71.39
Aurangabad	Beed	Wadwani	0.89	63.77
Aurangabad	Aurangabad	Soygaon	0.89	64.92
Konkan	Sindhudurg	Dodamarg	0.91	64.10
Aurangabad	Latur	Shirur (Anantpal)	0.91	69.77
Aurangabad	Nanded	Umari	0.92	69.15
Amravati	Yavatmal	Kelapur	0.94	69.48
Aurangabad	Aurangabad	Khuldabad	0.94	69.44
Nashik	Jalgaon	Erandol	0.94	65.49
Konkan	Raigad	Shrivardhan	0.94	64.32
Konkan	Raigad	Tala	0.94	64.24
Aurangabad	Nanded	Mudkhed	0.94	65.83
Nashik	Nashik	Nashik	0.96	57.32
Nagpur	Nagpur	Kalmeshwar	0.98	72.32
Aurangabad	Latur	Jalkot	0.99	67.54
Amravati	Amravati	Anjangaon	0.99	69.76
Nashik	Nashik	Nandgaon	1.00	54.44

Amravati	Yavatmal	Babhulgaon	1.01	66.39
Nagpur	Nagpur	Umred	1.01	63.96
Konkan	Ratnagiri	Mandangad	1.02	62.13
Amravati	Yavatmal	Kalamb	1.03	66.09
Nashik	Jalgaon	Dharangaon	1.03	64.80
Aurangabad	Nanded	Himayatnagar	1.03	66.05
Nashik	Nashik	Trambakeshwar	1.03	73.03
Pune	Satara	Khandala	1.04	72.11
Aurangabad	Latur	Deoni	1.04	65.86
Amravati	Buldhana	Sangrampur	1.06	72.30
Amravati	Amravati	Chikhaldara	1.06	69.03
Amravati	Yavatmal	Ghatanji	1.06	73.57
Pune	Kolhapur	Ajara	1.06	72.44
Nagpur	Nagpur	Bhiwapur	1.06	68.70
Aurangabad	Nanded	Bhokar	1.06	69.07
Pune	Satara	Mahabaleshwar	1.08	72.21
Amravati	Yavatmal	Wani	1.09	72.38
Nagpur	Chandrapur	Bhadravati	1.09	68.03
Konkan	Thane	Vikramgad	1.10	59.96
Amravati	Yavatmal	Digras	1.10	68.71
Amravati	Buldhana	Shegaon	1.10	73.12
Nagpur	Wardha	Ashti	1.11	68.24
Aurangabad	Parbhani	Sonpeth	1.13	68.44
Amravati	Amravati	Teosa	1.13	61.48
Aurangabad	Beed	Dharur	1.13	58.37
Nashik	Jalgaon	Parola	1.13	60.57
Nashik	Jalgaon	Bhadgaon	1.13	65.32
Amravati	Amravati	Nandgaon Khandeshwar	1.13	66.45
Amravati	Buldhana	Nandura	1.13	72.04
Amravati	Yavatmal	Ner	1.13	66.64
Aurangabad	Beed	Shirur (Kasar)	1.13	64.87
Nagpur	Nagpur	Narkhed	1.13	67.62
Aurangabad	Aurangabad	Phulambri	1.14	67.06

Nashik	Nashik	Deo La	1.15	63.59
Amravati	Buldhana	Jalgaon Jamod	1.16	74.63
Pune	Pune	Mulshi	1.17	65.02
Amravati	Buldhana	Deoulgaon Raja	1.17	74.60
Konkan	Raigad	Karjat	1.18	76.40
Amravati	Buldhana	Lonar	1.19	70.33
Amravati	Amravati	Daryapur	1.19	60.19
Konkan	Thane	Wada	1.20	59.79
Nagpur	Nagpur	Kuhi	1.20	70.98
Amravati	Amravati	Amravati	1.21	64.15
Amravati	Yavatmal	Ralegaon	1.21	67.52
Pune	Pune	Purandar	1.22	64.05
Nagpur	Gadchiroli	Sironcha	1.22	70.63
Nashik	Nashik	Surgana	1.24	77.29
Amravati	Amravati	Bhatkuli	1.24	61.94
Nagpur	Chandrapur	Mul	1.25	77.26
Nashik	Nashik	Igatpuri	1.28	68.49
Nagpur	Chandrapur	Bramhapuri	1.29	78.22
Nagpur	Chandrapur	Saoli	1.30	73.86
Nagpur	Gadchiroli	Gadchiroli	1.30	76.96
Konkan	Raigad	Uran	1.30	76.28
Aurangabad	Jalna	Partur	1.31	70.22
Amravati	Amravati	Chandur Railway	1.31	63.60
Aurangabad	Nanded	Biloli	1.31	65.90
Nagpur	Nagpur	Katol	1.33	67.63
Aurangabad	Parbhani	Manvat	1.33	70.48
Pune	Satara	Jawali	1.33	55.90
Amravati	Akola	Patur	1.34	70.52
Nagpur	Nagpur	Ramtek	1.34	69.17
Amravati	Amravati	Morshi	1.34	65.92
Aurangabad	Jalna	Mantha	1.34	65.64
Nagpur	Wardha	Samudrapur	1.35	71.31
Amravati	Akola	Balapur	1.35	67.37

Aurangabad	Parbhani	Palam	1.35	72.08
Aurangabad	Beed	Patoda	1.35	66.30
Aurangabad	Jalna	Badnapur	1.35	69.50
Amravati	Yavatmal	Mahagaon	1.35	65.60
Nagpur	Gondia	Salekasa	1.35	77.25
Aurangabad	Parbhani	Gangakhed	1.36	70.69
Nagpur	Nagpur	Mauda	1.37	73.73
Nashik	Nashik	Kalwan	1.37	69.87
Nagpur	Chandrapur	Warora	1.38	71.46
Nagpur	Nagpur	Parshioni	1.38	64.84
Amravati	Yavatmal	Arni	1.38	69.60
Nagpur	Gadchiroli	Etapalli	1.38	57.13
Nagpur	Gadchiroli	Kurkheda	1.39	79.38
Konkan	Raigad	Mangaon	1.39	65.58
Aurangabad	Nanded	Nanded	1.39	63.92
Nagpur	Chandrapur	Korpana	1.39	69.16
Pune	Pune	Bhor	1.40	70.72
Aurangabad	Parbhani	Pathari	1.41	72.24
Amravati	Amravati	Dhamangaon Railway	1.41	64.05
Nashik	Ahmednagar	Karjat	1.42	72.11
Amravati	Yavatmal	Darwaha	1.44	70.42
Nashik	Ahmednagar	Pathardi	1.45	63.42
Nagpur	Chandrapur	Rajura	1.46	72.16
Nashik	Jalgaon	Bhusawal	1.47	56.05
Aurangabad	Osmanabad	Bhoom	1.47	67.80
Nashik	Jalgaon	Jalgaon	1.47	64.28
Pune	Kolhapur	Radhanagari	1.47	81.53
Konkan	Thane	Talasari	1.47	63.82
Konkan	Thane	Kalyan	1.48	48.41
Pune	Kolhapur	Bhudargad	1.49	75.54
Nashik	Ahmednagar	Shrirampur	1.49	69.28
Pune	Kolhapur	Shahuwadi	1.49	76.52
Konkan	Sindhudurg	Vaibhavwadi	1.50	67.50

Konkan	Raigad	Khalapur	1.50	70.53
Amravati	Buldhana	Shindkhed Raja	1.50	71.21
Nagpur	Chandrapur	Sindevahi	1.51	75.00
Aurangabad	Latur	Renapur	1.51	66.60
Aurangabad	Nanded	Kinwat	1.53	70.09
Nashik	Nashik	Chandwad	1.54	66.85
Nashik	Ahmednagar	Ahmednagar	1.54	62.13
Amravati	Buldhana	Motala	1.55	66.79
Amravati	Amravati	Achalpur	1.55	70.89
Nagpur	Wardha	Karanja	1.55	71.99
Nagpur	Gadchiroli	Dhanora	1.56	73.06
Nashik	Jalgaon	Amalner	1.56	62.04
Aurangabad	Osmanabad	Washi	1.56	66.51
Aurangabad	Nanded	Degloor	1.56	65.22
Nagpur	Bhandara	Pauni	1.56	77.00
Nagpur	Gondia	Sadak-Arjuni	1.56	77.16
Konkan	Ratnagiri	Lanja	1.58	63.44
Pune	Sangli	Kadegaon	1.59	73.76
Amravati	Akola	Murtijapur	1.60	62.78
Nashik	Jalgaon	Muktainagar /Edlabad	1.62	71.07
Amravati	Amravati	Warud	1.63	69.87
Amravati	Buldhana	Buldhana	1.63	65.13
Aurangabad	Nanded	Naigaon (K.)	1.64	66.57
Amravati	Washim	Karanja	1.64	68.97
Nashik	Nashik	Baglan	1.65	60.24
Pune	Sangli	Atpadi	1.67	65.50

Out of the 168 Panchayat Samitis mentioned above, 61 are such that they also belong to the high VT cluster, i.e. they have a VT of more than 70.2 per cent. Areas with high VT numbers are ripe for witnessing higher level of competition, because it is only with higher VT numbers that a lesser dominant party gets a true chance at breaking the dominant party's stronghold. It is here that implementation of the Model Code of Conduct really comes into its own.

The following table shows higher REVERSECOMP quotient, which implies lower degree of political competition.

Table No. 3.11: List of Panchayat Samitis with Low Competition Amongst Political Parties (High REVERSECOMP values)

Division	District	PS	Av REVERSE COMP	Av VT
Nashik	Nandurbar	Shahada	4.93	66.41
Nashik	Dhule	Sakri	4.59	65.48
Nashik	Dhule	Dhule	4.52	64.44
Aurangabad	Hingoli	Basmat	4.49	78.88
Pune	Satara	Karad	4.28	67.41
Nashik	Dhule	Sindkheda	4.28	66.77
Aurangabad	Hingoli	Kalamnuri	3.81	77.73
Nashik	Ahmednagar	Sangamner	3.77	60.80
Aurangabad	Latur	Latur	3.76	67.57
Konkan	Sindhudurg	Kankavali	3.75	67.37
Nashik	Nandurbar	Nandurbar	3.70	71.95
Pune	Solapur	Marshiras	3.70	68.57
Pune	Satara	Satara	3.68	53.15
Pune	Kolhapur	Karvir	3.65	76.44
Aurangabad	Parbhani	Jintur	3.64	69.76
Nagpur	Gondia	Gondia	3.59	75.56
Pune	Sangli	Walva Islampur	3.58	77.74
Nashik	Nandurbar	Navapur(Sa)	3.51	77.66
Aurangabad	Osmanabad	Osmanabad	3.49	64.02
Amravati	Yavatmal	Pusad	3.35	53.50
Pune	Sangli	Miraj	3.35	66.81
Konkan	Thane	Palghar	3.34	58.68
Aurangabad	Osmanabad	Umarga	3.32	63.10
Konkan	Sindhudurg	Kudal	3.28	66.77
Konkan	Raigad	Panvel	3.27	70.51

Aurangabad	Jalna	Ambad	3.25	71.40
Aurangabad	Jalna	Bhokardan	3.21	70.99
Pune	Pune	Baramati	3.21	63.92
Pune	Solapur	Pandharpur	3.20	75.90
Amravati	Akola	Akola	3.20	62.42
Aurangabad	Beed	Ashti	3.18	68.98
Aurangabad	Jalna	Ghansawangi	3.13	68.59
Aurangabad	Beed	Beed	3.09	73.46
Aurangabad	Latur	Nilanga	3.08	66.47
Aurangabad	Beed	Georai	3.04	70.00
Konkan	Thane	Dahanu	3.04	53.89
Konkan	Ratnagiri	Chiplun	3.03	65.51
Konkan	Ratnagiri	Khed	3.00	65.47
Pune	Solapur	Mohol	2.98	65.91
Pune	Pune	Have Li	2.96	56.88
Pune	Satara	Phaltan	2.94	69.29
Nashik	Nandurbar	Akkalkuva (Sa)	2.93	73.99
Nashik	Dhule	Shirpur	2.90	62.25
Aurangabad	Parbhani	Parbhani	2.87	73.90
Konkan	Ratnagiri	Dapoli	2.86	62.71
Pune	Kolhapur	Hatkanangale	2.83	73.24
Pune	Solapur	Karmala	2.82	66.30

3.4 SEATS WON BY INDEPENDENT CANDIDATES (IND)

The variable IND describes the proportion of seats won by Independent candidates in Panchayat Samiti elections. Following are the summary statistics for IND across 2 rounds of elections. Data on proportion of seats won by Independent candidates in R1 and R2 was not available.

Table No. 3.12: Trends in IND across Successive Rounds of Elections

	IND_R3	IND_R4
Mean	7.92	4.68
Minimum	0.00	0.00
Maximum	100.00	75.00
No. of PSs in which no seats were won by IND Candidate	213	7.00
No. of PSs in which all seats were won by IND Candidate	0.00	0.00

The above table shows the summary statistics describing the variable IND. Across two rounds of elections, the average proportion of seats held by Independent candidates is around 6.3 per cent. This is very similar to the trend in ZPs. In ZP elections too, the average proportion of seats held by Independents is 6.39 per cent. In contrast, the average proportion of seats won by Independent candidates in Municipal Councils and Nagar Panchayats is nearly triple and stands at 17 per cent. Thus, there is a much lesser proportion of Independent candidates winning ZP and PS elections as compared to Municipal Council elections. Further, the proportion of Independent candidates winning PS seats seems to have reduced from R3 to R4.

The table above further indicates that the minimum value of IND is 0 for both rounds of elections. This implies that in both rounds, there are constituencies in which not a single seat is won by Independents.

In R3, the maximum value of IND is 100.00. This implies that there are PSs in which all seats are won by Independents. There are two such Panchayat Samitis in R3 -- Ashti in Beed and Kagal in Kolhapur. Smaller case studies could be conducted on these PSs to understand the dynamics behind all seats being won by Independents. In R4, however, there is no PS in which all seats are captured by Independents.

3.4.1 CLUSTER ANALYSIS OF IND

We apply the cluster analysis on the IND variable in order to identify those Panchayat Samitis wherein proportion of Independents is high, medium and low. The cluster classification is given below. Panchayat Samitis, in which 0 per cent of seats have been won by Independents, belong to the low IND cluster. Those PSs, in which 2 per cent to 21 per cent of seats belong to Independent candidates, are in the medium IND cluster. Panchayat Samitis in which more than 25 per cent of the seats are won by Independents are classified as the high IND cluster.

Table No. 3.13: Panchayat Samitis Belonging to Low IND Cluster

DIVISION	DISTRICT	PS	Av IND
Nashik	Ahmednagar	Akole	0
Nashik	Ahmednagar	Jamkhed	0
Nashik	Ahmednagar	Nevasa	0
Nashik	Ahmednagar	Parner	0
Nashik	Ahmednagar	Rahata	0
Nashik	Ahmednagar	Sangamner	0
Nashik	Ahmednagar	Shrigonda	0
Nashik	Ahmednagar	Shrirampur	0
Amravati	Amravati	Bhatkuli	0
Amravati	Amravati	Daryapur	0
Aurangabad	Parbhani	Manvat	0
Aurangabad	Parbhani	Pathari	0
Aurangabad	Parbhani	Selu	0
Aurangabad	Parbhani	Sonpeth	0
Pune	Pune	Ambegaon	0
Pune	Pune	Daund	0
Pune	Pune	Indapur	0
Pune	Pune	Mulshi	0
Pune	Pune	Purandar	0
Pune	Pune	Velha	0
Konkan	Raigad	Alibag	0
Konkan	Raigad	Karjat	0
Konkan	Raigad	Khalapur	0

Konkan	Raigad	Mahad	0
Konkan	Raigad	Mhasala	0
Konkan	Raigad	Panvel	0
Konkan	Raigad	Pen	0
Konkan	Raigad	Poladpur	0
Konkan	Raigad	Roha	0
Konkan	Raigad	Shrivardhan	0
Konkan	Raigad	Sudhagad	0
Konkan	Raigad	Tala	0
Konkan	Raigad	Uran	0
Konkan	Ratnagiri	Dapoli	0
Konkan	Ratnagiri	Guhagar	0
Konkan	Ratnagiri	Khed	0
Konkan	Ratnagiri	Mandangad	0
Konkan	Ratnagiri	Rajapur	0
Konkan	Ratnagiri	Ratnagiri	0
Pune	Sangli	Khanapur (Vita)	0
Pune	Sangli	Palus	0
Pune	Sangli	Shirala	0
Pune	Satara	Khandala	0
Pune	Satara	Koregaon	0
Pune	Satara	Mahabaleshwar	0
Pune	Satara	Man	0
Pune	Satara	Patan	0
Pune	Satara	Phaltan	0
Pune	Satara	Wai	0
Konkan	Sindhudurg	Deogad	0
Konkan	Sindhudurg	Dodamarg	0
Konkan	Sindhudurg	Vaibhavwadi	0
Pune	Solapur	Akkalkot	0
Pune	Solapur	Barshi	0
Pune	Solapur	Mhada	0
Pune	Solapur	Mohol	0
Pune	Solapur	Solapur North	0

Pune	Solapur	Solapur South	0
Konkan	Thane	Ambarnath	0
Konkan	Thane	Dahanu	0
Konkan	Thane	Kalyan	0
Konkan	Thane	Mokhada	0
Konkan	Thane	Shahapur	0
Konkan	Thane	Talasari	0
Konkan	Thane	Vikramgad	0
Nagpur	Wardha	Deoli	0
Amravati	Yavatmal	Arni	0
Amravati	Yavatmal	Babhulgaon	0
Amravati	Yavatmal	Maregaon	0
Amravati	Yavatmal	Ralegaon	0
Amravati	Yavatmal	Zari Zamani	0
Amravati	Akola	Balapur	0
Amravati	Akola	Barshitakali	0
Aurangabad	Aurangabad	Soygaon	0
Aurangabad	Aurangabad	Vaijapur	0
Aurangabad	Beed	Dharur	0
Aurangabad	Beed	Georai	0
Aurangabad	Beed	Parali	0
Aurangabad	Beed	Wadwani	0
Nagpur	Bhandara	Lakhani	0
Amravati	Buldhana	Chikhali	0
Amravati	Buldhana	Jalgaon Jamod	0
Amravati	Buldhana	Lonar	0
Amravati	Buldhana	Mehkar	0
Amravati	Buldhana	Sangrampur	0
Amravati	Buldhana	Shegaon	0
Nagpur	Chandrapur	Ballarpur	0
Nagpur	Chandrapur	Bramhapuri	0
Nagpur	Chandrapur	Jeoti	0
Nagpur	Chandrapur	Korpana	0
Nagpur	Chandrapur	Mul	0

Nagpur	Chandrapur	Nagbhid	0
Nagpur	Chandrapur	Pombhurna	0
Nagpur	Chandrapur	Rajura	0
Nagpur	Chandrapur	Saoli	0
Nagpur	Chandrapur	Sindevahi	0
Nagpur	Chandrapur	Warora	0
Nagpur	Gadchiroli	Bhamragad	0
Nagpur	Gondia	Amgaon	0
Nagpur	Gondia	Goregaon	0
Nagpur	Gondia	Sadak-Arjuni	0
Nagpur	Gondia	Salekasa	0
Nashik	Jalgaon	Bhusawal	0
Nashik	Jalgaon	Bodwad	0
Nashik	Jalgaon	Dharangaoan	0
Nashik	Jalgaon	Jamner	0
Nashik	Jalgaon	Muktainagar /Edlabad	0
Nashik	Jalgaon	Pachora	0
Nashik	Jalgaon	Parola	0
Nashik	Jalgaon	Raver	0
Nashik	Jalgaon	Yaval	0
Aurangabad	Jalna	Badnapur	0
Aurangabad	Jalna	Bhokardan	0
Aurangabad	Jalna	Ghansawangi	0
Aurangabad	Jalna	Jafrabad	0
Aurangabad	Jalna	Jalna	0
Aurangabad	Jalna	Partur	0
Pune	Kolhapur	Ajara	0
Pune	Kolhapur	Bhudargad	0
Pune	Kolhapur	Gagan Bawda	0
Pune	Kolhapur	Panhala	0
Pune	Kolhapur	Shahuwadi	0
Aurangabad	Latur	Deoni	0
Aurangabad	Latur	Jalkot	0
Aurangabad	Latur	Nilanga	0

Aurangabad	Latur	Renapur	0
Aurangabad	Latur	Shirur (Anantpal)	0
Aurangabad	Latur	Udgir	0
Nagpur	Nagpur	Bhiwapur	0
Nagpur	Nagpur	Hingna	0
Nagpur	Nagpur	Kalmeshwar	0
Nagpur	Nagpur	Kamthi	0
Nagpur	Nagpur	Katol	0
Nagpur	Nagpur	Mauda	0
Nagpur	Nagpur	Nagpur Rural	0
Nagpur	Nagpur	Narkhed	0
Aurangabad	Nanded	Ardhapur	0
Aurangabad	Nanded	Biloli	0
Aurangabad	Nanded	Degloor	0
Aurangabad	Nanded	Hadgaon	0
Aurangabad	Nanded	Kinwat	0
Aurangabad	Nanded	Loha	0
Aurangabad	Nanded	Mahur	0
Aurangabad	Nanded	Mudkhed	0
Aurangabad	Nanded	Naigaon (K.)	0
Aurangabad	Nanded	Nanded	0
Aurangabad	Nanded	Umari	0
Nashik	Nandurbar	Akkalkuva (Sa)	0
Nashik	Nandurbar	Nandurbar	0
Nashik	Nandurbar	Navapur(Sa)	0
Nashik	Nandurbar	Shahada	0
Nashik	Nandurbar	Taloda (Sa)	0
Nashik	Nashik	Nandgaon	0
Nashik	Nashik	Peth	0
Nashik	Nashik	Sinnar	0
Nashik	Nashik	Surgana	0
Nashik	Nashik	Trambakeshwar	0
Nashik	Nashik	Yeola	0
Aurangabad	Osmanabad	Bhoom	0

Aurangabad	Osmanabad	Paranda	0
Aurangabad	Osmanabad	Tuljapur	0
Aurangabad	Osmanabad	Washi	0
Pune	Sangli	Kadegaon	0
Amravati	Yavatmal	Yavatmal	0

Table No. 3.14: Panchayat Samitis Belonging to Medium IND Cluster

Division	District	PS	Av IND
Nagpur	Gondia	Gondia	2.08
Aurangabad	Hingoli	Basmat	2.08
Aurangabad	Osmanabad	Osmanabad	2.08
Konkan	Thane	Palghar	2.27
Aurangabad	Hingoli	Kalamnuri	2.27
Pune	Sangli	Walva Islampur	2.50
Konkan	Sindhudurg	Kudal	2.78
Nagpur	Bhandara	Bhandara	2.78
Aurangabad	Hingoli	Aundha Nagnath	2.78
Aurangabad	Latur	Ausa	2.78
Aurangabad	Latur	Latur	2.78
Amravati	Washim	Risod	2.78
Pune	Pune	Junnar	3.13
Konkan	Sindhudurg	Sawantwadi	3.13
Aurangabad	Jalna	Ambad	3.13
Nashik	Nandurbar	Akrani (Sa)	3.13
Pune	Pune	Baramati	3.57
Pune	Pune	Khed	3.57
Pune	Satara	Khatav	3.57
Amravati	Yavatmal	Pusad	3.57
Amravati	Akola	Telhara	3.57
Aurangabad	Beed	Kaij	3.57
Nagpur	Bhandara	Sakoli	3.57
Nashik	Nashik	Baglan	3.57
Aurangabad	Osmanabad	Kalamb	3.57
Nashik	Ahmednagar	Ahmednagar	4.17

Konkan	Sindhudurg	Malvan	4.17
Amravati	Yavatmal	Umarkhed	4.17
Amravati	Akola	Murtijapur	4.17
Aurangabad	Beed	Ambejogai	4.17
Nagpur	Bhandara	Lakhandoor	4.17
Amravati	Buldhana	Buldhana	4.17
Amravati	Buldhana	Khamgaon	4.17
Nashik	Jalgaon	Chopada	4.17
Aurangabad	Jalna	Mantha	4.17
Aurangabad	Latur	Ahmedpur	4.17
Aurangabad	Nanded	Mukhed	4.17
Nashik	Ahmednagar	Karjat	5.00
Nashik	Ahmednagar	Shevgaon	5.00
Aurangabad	Parbhani	Parbhani	5.00
Pune	Pune	Maval	5.00
Konkan	Raigad	Mangaon	5.00
Pune	Sangli	Kavathe Mahan Kal	5.00
Konkan	Sindhudurg	Vengurla	5.00
Konkan	Thane	Murbad	5.00
Amravati	Yavatmal	Darwha	5.00
Amravati	Amravati	Dharni	5.00
Amravati	Amravati	Morshi	5.00
Amravati	Amravati	Warud	5.00
Amravati	Buldhana	Motala	5.00
Nagpur	Gadchiroli	Armorli	5.00
Nashik	Jalgaon	Amalner	5.00
Nashik	Jalgaon	Jalgaon	5.00
Pune	Kolhapur	Gadhingalaj	5.00
Pune	Kolhapur	Radhanagari	5.00
Nashik	Nashik	Chandwad	5.00
Nashik	Nashik	Niphad	5.00
Pune	Sangli	Jat	5.56
Konkan	Thane	Bhiwandi	5.56
Aurangabad	Aurangabad	Aurangabad	5.56

Amravati	Akola	Akola	5.63
Aurangabad	Beed	Beed	5.90
Nashik	Dhule	Sindkheda	6.12
Nashik	Ahmednagar	Pathardi	6.25
Amravati	Amravati	Amravati	6.25
Pune	Pune	Bhor	6.25
Pune	Sangli	Atpadi	6.25
Pune	Satara	Karad	6.25
Amravati	Yavatmal	Wani	6.25
Amravati	Amravati	Dhamangaon Railway	6.25
Aurangabad	Aurangabad	Phulambri	6.25
Aurangabad	Aurangabad	Sillod	6.25
Aurangabad	Beed	Shirur (Kasar)	6.25
Amravati	Buldhana	Nandura	6.25
Amravati	Buldhana	Shindkhed Raja	6.25
Nagpur	Chandrapur	Bhadravati	6.25
Nagpur	Gadchiroli	Dhanora	6.25
Aurangabad	Hingoli	Hingoli	6.25
Pune	Kolhapur	Shirol	6.25
Nagpur	Nagpur	Kuhi	6.25
Nashik	Nashik	Kalwan	6.25
Nashik	Nashik	Malegaon	6.35
Pune	Kolhapur	Karvir	6.82
Pune	Kolhapur	Hatkanangale	6.82
Pune	Solapur	Mangalvedha	7.14
Nagpur	Gondia	Tiroda	7.14
Nashik	Jalgaon	Chalisgaon	7.14
Nashik	Dhule	Dhule	7.44
Nashik	Dhule	Sakri	7.72
Amravati	Washim	Malegaon	8.06
Pune	Pune	Shirur	8.33
Pune	Satara	Jawali	8.33
Konkan	Thane	Jawhar	8.33

Amravati	Yavatmal	Kalamb	8.33
Amravati	Yavatmal	Kelapur	8.33
Amravati	Yavatmal	Ner	8.33
Amravati	Amravati	Chandur Railway	8.33
Amravati	Amravati	Teosa	8.33
Aurangabad	Beed	Majalgaon	8.33
Aurangabad	Beed	Patoda	8.33
Amravati	Buldhana	Deoulgaon Raja	8.33
Nagpur	Chandrapur	Chandrapur	8.33
Nagpur	Chandrapur	Chimur	8.33
Nashik	Jalgaon	Bhadgaon	8.33
Nashik	Jalgaon	Erandol	8.33
Aurangabad	Nanded	Kandhar	8.33
Nashik	Nashik	Deo La	8.33
Nashik	Nashik	Dindori	8.33
Konkan	Sindhudurg	Kankavali	9.38
Pune	Solapur	Pandharpur	9.38
Aurangabad	Osmanabad	Umarga	9.38
Amravati	Washim	Mangrulpir	9.38
Nagpur	Gondia	Deori	10.00
Nagpur	Nagpur	Parshioni	10.00
Nashik	Nashik	Igatpuri	10.00
Aurangabad	Parbhani	Jintur	10.00
Nagpur	Wardha	Hinganghat	10.71
Nagpur	Gondia	Arjuni-Morgaon	10.71
Konkan	Ratnagiri	Chiplun	11.11
Aurangabad	Aurangabad	Gangapur	11.11
Aurangabad	Aurangabad	Kannad	11.11
Nagpur	Bhandara	Tumsar	11.11
Pune	Sangli	Tasgaon	12.50
Nagpur	Wardha	Arvi	12.50
Nagpur	Wardha	Seloo	12.50
Nashik	Dhule	Shirpur	12.50
Nagpur	Nagpur	Saoner	12.50

Konkan	Raigad	Murud	12.50
Konkan	Ratnagiri	Lanja	12.50
Konkan	Ratnagiri	Sangmeshwar	12.50
Konkan	Thane	Wada	12.50
Amravati	Amravati	Nandgaon Khandeshwar	12.50
Aurangabad	Aurangabad	Paithan	12.50
Aurangabad	Hingoli	Sengaon	12.50
Aurangabad	Latur	Chakur	12.50
Nashik	Nashik	Nashik	12.50
Pune	Sangli	Miraj	12.50
Amravati	Washim	Karanja	12.50
Nagpur	Wardha	Wardha	13.64
Pune	Satara	Satara	13.89
Amravati	Washim	Washim	13.89
Nagpur	Bhandara	Pauni	14.29
Nagpur	Wardha	Karanja	15.00
Amravati	Yavatmal	Mahagaon	15.00
Amravati	Akola	Patur	15.00
Nagpur	Gadchiroli	Gadchiroli	15.00
			30.00
Amravati	Amravati	Chikhaldara	16.67
Aurangabad	Parbhani	Purna	16.67
Amravati	Yavatmal	Ghatanji	16.67
Amravati	Buldhana	Malkapur	16.67
Nagpur	Chandrapur	Gondpimpri	16.67
Nagpur	Gadchiroli	Desaiganj (Wadsa)	16.67
Pune	Pune	Have Li	17.50
Pune	Solapur	Marshiras	18.18
Nagpur	Wardha	Ashti	18.75
Nagpur	Bhandara	Mohadi	18.75
Nagpur	Gadchiroli	Chamorshi	19.44
Amravati	Akola	Akot	19.64
Pune	Solapur	Sangola	20.83

Table No. 3.15: Panchayat Samitis belonging to high IND Cluster

DIVISION	DISTRICT	PS	Av IND
Aurangabad	Aurangabad	Khuldabad	25.00
Aurangabad	Nanded	Himayatnagar	25.00
Nashik	Ahmednagar	Kopargaon	25.00
Amravati	Amravati	Achalpur	25.00
Amravati	Yavatmal	Digras	25.00
Nagpur	Gadchiroli	Sironcha	25.00
Nagpur	Nagpur	Ramtek	25.00
Nagpur	Nagpur	Umred	25.00
Aurangabad	Nanded	Bhokar	25.00
Aurangabad	Nanded	Dharmabad	25.00
Amravati	Washim	Manora	28.13
Nagpur	Wardha	Samudrapur	29.17
Aurangabad	Parbhani	Gangakhed	29.17
Aurangabad	Osmanabad	Navin Lohara	30.00
Amravati	Amravati	Anjangaon	31.25
Amravati	Amravati	Chandur Bazar	33.33
Nashik	Ahmednagar	Rahuri	35.00
Nagpur	Gadchiroli	Kurkheda	35.00
Konkan	Thane	Vasai	37.50
Nagpur	Gadchiroli	Korchi	37.50
Nagpur	Gadchiroli	Mulchera	37.50
Aurangabad	Parbhani	Palam	40.00
Pune	Kolhapur	Chandgad	40.00
Nagpur	Gadchiroli	Etapalli	43.75
Pune	Solapur	Karmala	45.83
Aurangabad	Beed	Ashti	50.00
Nagpur	Gadchiroli	Aheri	50.00
Pune	Kolhapur	Kagal	50.00

3.6 PROPORTION OF RESERVED SEATS IN THE TOTAL SEATS(RES)

As mentioned above, the proportion of SCs and STs in the district population is declared in the Census reports; since the Census is held every decade, these proportions are treated to be fixed for one decade. However, in the same one decade, two elections are conducted in any local body. Now, since the reservation of seats is done on a rotation basis, a very interesting pattern emerges. Even if the number of SC and ST population in the district under the governance of the Panchayat Samiti is frozen for a decade as per the Census, the reservation of seats in different constituencies undergoes rotation in the same one decade. This reservation pattern is seen to have an impact on VT.

Since data was not available at constituency level, it has not been possible to trace the impact of reservation patterns on VT. However, rather than SCST, the variable RES seems to be more relevant in terms of understanding the impact on VT because VT may not be linked directly to the proportion of SCs and STs in the population; rather, it may be more linked to the proportion of seats reserved for SC and ST candidates.

3.6.1 CLUSTER ANALYSIS ON RES DATA

Which are the Panchayat Samitis in which the proportion of reservation of seats is higher? Those PSs which show higher reservation levels are bound to be those PSs where the proportion of SC and ST population is also accordingly higher.

The following tables show the Panchayat Samitis which cluster as high, medium and low reservation Samitis.

Table No. 3.16: Panchayat Samitis belonging to high RES Cluster

Division	District	PS	Av RES	Av VT
Konkan	Thane	Jawhar	100.00	64.98
Konkan	Thane	Mokhada	100.00	63.00
Nashik	Nashik	Peth	100.00	70.91
Nashik	Nashik	Surgana	100.00	77.29
Nashik	Nandurbar	Navapur(Sa)	94.72	77.66
Nashik	Nandurbar	Akrani (Sa)	92.71	65.54
Nashik	Nandurbar	Akkalkuva	91.88	73.99

		(Sa)		
Amravati	Amravati	Dharni	90.00	66.97
Nagpur	Gondia	Deori	90.00	70.22
Nashik	Nandurbar	Taloda (Sa)	90.00	67.55
Nashik	Nandurbar	Shahada	89.01	66.41
Nagpur	Gadchiroli	Dhanora	87.50	73.06
Nagpur	Gadchiroli	Etapalli	87.50	57.13
Nagpur	Gadchiroli	Sironcha	87.50	70.63
Nashik	Nandurbar	Nandurbar	87.50	71.95
Amravati	Amravati	Chikhaldara	83.33	69.03
Konkan	Thane	Talasari	83.33	63.82
Konkan	Thane	Vikramgad	83.33	59.96
Amravati	Yavatmal	Kalamb	83.33	66.09
Amravati	Yavatmal	Kelapur	83.33	69.48
Nashik	Nashik	Dindori	83.33	68.68
Nashik	Nashik	Trambakeshwar	83.33	73.03
Konkan	Thane	Dahanu	81.25	53.89
Nashik	Dhule	Sakri	80.24	65.48
Nagpur	Nagpur	Ramtek	80.00	69.17
Nashik	Nashik	Igatpuri	80.00	68.49
Nashik	Ahmednagar	Akole	75.00	63.97
Amravati	Yavatmal	Zari Zamani	75.00	75.39
Nagpur	Chandrapur	Chimur	75.00	71.67
Nagpur	Chandrapur	Jeoti	75.00	68.02
Nagpur	Gadchiroli	Aheri	75.00	67.10
Nagpur	Gadchiroli	Bhamragad	75.00	56.42
Nagpur	Gadchiroli	Korchi	75.00	70.01
Aurangabad	Nanded	Dharmabad	75.00	67.40
Nashik	Nashik	Kalwan	75.00	69.87
Nashik	Nashik	Nashik	75.00	57.32
Nashik	Dhule	Sindkheda	71.50	66.77
Konkan	Thane	Shahapur	71.43	59.91
Nagpur	Gondia	Arjuni-Morgaon	71.43	76.77

Nashik	Nashik	Baglan	71.43	60.24
Nashik	Dhule	Shirpur	70.14	62.25
Amravati	Amravati	Warud	70.00	69.87
Nagpur	Gadchiroli	Kurkheda	70.00	79.38
Nagpur	Gondia	Sadak-Arjuni	70.00	77.16
Aurangabad	Nanded	Kinwat	70.00	70.09

Table No. 3.17:Panchayat Samitis Belonging to Medium RES Cluster

Division	District	PS	Av RES	Av VT
Nashik	Jalgaon	Chopada	68.33	67.03
Amravati	Yavatmal	Babhulgaon	66.67	66.39
Amravati	Yavatmal	Digras	66.67	68.71
Amravati	Yavatmal	Ghatanji	66.67	73.57
Amravati	Yavatmal	Ralegaon	66.67	67.52
Aurangabad	Aurangabad	Soygaon	66.67	64.92
Nagpur	Chandrapur	Gondpimpri	66.67	77.01
Nagpur	Gadchiroli	Desaiganj (Wadsa)	66.67	80.85
Nashik	Jalgaon	Dharangaoan	66.67	64.80
Nagpur	Nagpur	Bhiwapur	66.67	68.70
Nagpur	Nagpur	Kalmeshwar	66.67	72.32
Nagpur	Nagpur	Umred	66.67	63.96
Aurangabad	Nanded	Bhokar	66.67	69.07
Aurangabad	Nanded	Himayatnagar	66.67	66.05
Nashik	Nashik	Deo La	66.67	63.59
Aurangabad	Nanded	Degloor	66.25	65.22
Nashik	Jalgaon	Yaval	65.00	64.82
Nagpur	Bhandara	Sakoli	64.29	73.80
Nagpur	Nagpur	Nagpur Rural	64.29	53.01
Amravati	Yavatmal	Yavatmal	64.29	55.80
Nashik	Ahmednagar	Shrirampur	62.50	69.28
Amravati	Amravati	Bhatkuli	62.50	61.94
Amravati	Amravati	Daryapur	62.50	60.19
Konkan	Thane	Wada	62.50	59.79

Amravati	Akola	Murtijapur	62.50	62.78
Nagpur	Chandrapur	Bhadravati	62.50	68.03
Nagpur	Chandrapur	Korpana	62.50	69.16
Nagpur	Chandrapur	Rajura	62.50	72.16
Nagpur	Chandrapur	Sindevahi	62.50	75.00
Nagpur	Chandrapur	Warora	62.50	71.46
Nagpur	Gondia	Salekasa	62.50	77.25
Nagpur	Nagpur	Katol	62.50	67.63
Aurangabad	Nanded	Biloli	62.50	65.90
Konkan	Thane	Palghar	61.82	58.68
Amravati	Akola	Akot	60.27	70.81
Nashik	Ahmednagar	Rahata	60.00	63.76
Amravati	Amravati	Achalpur	60.00	70.89
Konkan	Raigad	Karjat	60.00	76.40
Nagpur	Wardha	Karanja	60.00	71.99
Amravati	Amravati	Morshi	60.00	65.92
Nagpur	Chandrapur	Nagbhid	60.00	72.63
Nagpur	Gadchiroli	Armori	60.00	75.01
Nagpur	Gadchiroli	Gadchiroli	60.00	76.96
Nashik	Jalgaon	Amalner	60.00	62.04
Nashik	Jalgaon	Jalgaon	60.00	64.28
Nagpur	Nagpur	Parshioni	60.00	64.84
Aurangabad	Nanded	Naigaon (K.)	60.00	66.57
Nashik	Nashik	Chandwad	60.00	66.85
Konkan	Thane	Vasai	58.33	58.22
Nagpur	Wardha	Arvi	58.33	71.88
Nagpur	Wardha	Deoli	58.33	69.90
Amravati	Yavatmal	Arni	58.33	69.60
Amravati	Yavatmal	Ner	58.33	66.64
Amravati	Yavatmal	Umarkhed	58.33	68.96
Nagpur	Chandrapur	Chandrapur	58.33	59.32
Nagpur	Gondia	Goregaon	58.33	77.67
Nashik	Jalgaon	Bhadgaon	58.33	65.32
Aurangabad	Latur	Jalkot	58.33	67.54

Aurangabad	Latur	Shirur (Anantpal)	58.33	69.77
Nagpur	Nagpur	Hingna	58.33	63.46
Aurangabad	Nanded	Mahur	58.33	73.09
Aurangabad	Nanded	Mukhed	58.33	63.18
Nagpur	Wardha	Hinganghat	57.14	72.58
Nagpur	Bhandara	Pauni	57.14	77.00
Amravati	Washim	Mangrulpir	56.70	71.19
Nagpur	Bhandara	Bhandara	55.56	72.48
Nagpur	Gadchiroli	Chamorshi	55.56	78.31
Aurangabad	Hingoli	Aundha Nagnath	55.56	67.51
Amravati	Washim	Risod	55.56	74.39
Amravati	Akola	Patur	55.00	70.52
Nashik	Nashik	Niphad	55.00	57.48
Amravati	Washim	Malegaon	55.00	70.86
Aurangabad	Hingoli	Kalamnuri	54.55	77.73
Nashik	Dhule	Dhule	54.50	64.44
Amravati	Amravati	Chandur Bazar	54.17	68.37
Nashik	Nashik	Malegaon	53.57	57.00
Amravati	Akola	Akola	53.43	62.42
Amravati	Washim	Manora	53.13	68.61
Amravati	Washim	Washim	52.78	77.01
Nashik	Ahmednagar	Jamkhed	50.00	64.24
Nashik	Ahmednagar	Kopargaon	50.00	71.85
Nashik	Ahmednagar	Nevasa	50.00	64.78
Nashik	Ahmednagar	Rahuri	50.00	66.28
Amravati	Amravati	Amravati	50.00	64.15
Amravati	Amravati	Anjangaon	50.00	69.76
Aurangabad	Parbhani	Manvat	50.00	70.48
Aurangabad	Parbhani	Sonpeth	50.00	68.44
Pune	Pune	Ambegaon	50.00	66.73
Pune	Pune	Junnar	50.00	65.78
Pune	Pune	Khed	50.00	60.89
Konkan	Raigad	Murud	50.00	69.44
Konkan	Raigad	Pen	50.00	74.88

Konkan	Raigad	Roha	50.00	65.25
Konkan	Raigad	Sudhagad	50.00	67.54
Pune	Solapur	Solapur North	50.00	61.70
Pune	Solapur	Solapur South	50.00	60.30
Konkan	Thane	Ambarnath	50.00	59.25
Konkan	Thane	Bhiwandi	50.00	63.43
Konkan	Thane	Murbad	50.00	63.80
Nagpur	Wardha	Ashti	50.00	68.24
Nagpur	Wardha	Samudrapur	50.00	71.31
Nagpur	Wardha	Seloo	50.00	70.81
Nagpur	Wardha	Wardha	50.00	66.09
Amravati	Yavatmal	Darwha	50.00	70.42
Amravati	Yavatmal	Mahagaon	50.00	65.60
Amravati	Yavatmal	Maregaon	50.00	69.53
Amravati	Yavatmal	Pusad	50.00	53.50
Amravati	Yavatmal	Wani	50.00	72.38
Amravati	Amravati	Chandur Railway	50.00	63.60
Amravati	Amravati	Dhamangaon Railway	50.00	64.05
Amravati	Amravati	Nandgaon Khandeshwar	50.00	66.45
Amravati	Amravati	Teosa	50.00	61.48
Aurangabad	Aurangabad	Gangapur	50.00	64.20
Aurangabad	Aurangabad	Khuldabad	50.00	69.44
Aurangabad	Aurangabad	Vaijapur	50.00	67.37
Aurangabad	Beed	Dharur	50.00	58.37
Aurangabad	Beed	Patoda	50.00	66.30
Aurangabad	Beed	Wadwani	50.00	63.77
Nagpur	Bhandara	Lakhandoor	50.00	76.98
Nagpur	Bhandara	Lakhani	50.00	72.95
Nagpur	Bhandara	Tumsar	50.00	75.96
Amravati	Buldhana	Buldhana	50.00	65.13
Amravati	Buldhana	Deoulgaon Raja	50.00	74.60
Amravati	Buldhana	Mehkar	50.00	69.89
Amravati	Buldhana	Motala	50.00	66.79

Nagpur	Chandrapur	Ballarpur	50.00	68.27
Nagpur	Chandrapur	Bramhapuri	50.00	78.22
Nagpur	Chandrapur	Mul	50.00	77.26
Nagpur	Chandrapur	Pombhurna	50.00	74.89
Nagpur	Chandrapur	Saoli	50.00	73.86
Nagpur	Gadchiroli	Mulchera	50.00	75.86
Nagpur	Gondia	Tiroda	50.00	75.53
Nashik	Jalgaon	Bhusawal	50.00	56.05
Nashik	Jalgaon	Erandol	50.00	65.49
Nashik	Jalgaon	Muktainagar /Edlabad	50.00	71.07
Nashik	Jalgaon	Pachora	50.00	64.76
Nashik	Jalgaon	Parola	50.00	60.57
Nashik	Jalgaon	Raver	50.00	66.22
Pune	Kolhapur	Ajara	50.00	72.44
Pune	Kolhapur	Gagan Bawda	50.00	86.91
Aurangabad	Latur	Ahmedpur	50.00	68.52
Aurangabad	Latur	Deoni	50.00	65.86
Aurangabad	Latur	Latur	50.00	67.57
Aurangabad	Latur	Nilanga	50.00	66.47
Aurangabad	Latur	Udgir	50.00	67.20
Nagpur	Nagpur	Kamthi	50.00	62.67
Nagpur	Nagpur	Kuhi	50.00	70.98
Nagpur	Nagpur	Mauda	50.00	73.73
Nagpur	Nagpur	Narkhed	50.00	67.62
Nagpur	Nagpur	Saoner	50.00	66.00
Aurangabad	Nanded	Ardhapur	50.00	71.39
Aurangabad	Nanded	Hadgaon	50.00	66.85
Aurangabad	Nanded	Kandhar	50.00	72.14
Aurangabad	Nanded	Umari	50.00	69.15
Nashik	Nashik	Nandgaon	50.00	54.44
Nashik	Nashik	Sinnar	50.00	61.97
Nashik	Nashik	Yeola	50.00	65.34
Aurangabad	Osmanabad	Kalamb	50.00	69.61
Aurangabad	Osmanabad	Navin Lohara	50.00	63.54

Amravati	Washim	Karanja	46.88	68.97
Amravati	Akola	Barshitakali	46.43	66.69
Amravati	Akola	Telhara	46.43	73.50

Table No. 3.18: Panchayat Samitis Belonging to Low RES Cluster

Division	District	PS	Av RES	Av VT
Nagpur	Gondia	Gondia	45.83	75.56
Konkan	Thane	Kalyan	45.83	48.41
Aurangabad	Nanded	Loha	45.83	72.58
Pune	Solapur	Marshiras	45.45	68.57
Pune	Kolhapur	Hatkanangale	45.45	73.24
Amravati	Akola	Balapur	45.24	67.37
Aurangabad	Osmanabad	Osmanabad	44.79	64.02
Aurangabad	Aurangabad	Kannad	44.44	66.86
Aurangabad	Latur	Ausa	44.44	64.54
Aurangabad	Osmanabad	Umarga	44.10	63.10
Nashik	Ahmednagar	Sangamner	43.75	60.80
Pune	Solapur	Pandharpur	43.75	75.90
Nagpur	Bhandara	Mohadi	43.75	78.01
Aurangabad	Hingoli	Hingoli	43.75	67.09
Pune	Kolhapur	Shirol	43.75	75.84
Aurangabad	Nanded	Nanded	43.75	63.92
Aurangabad	Osmanabad	Paranda	42.92	66.97
Pune	Pune	Baramati	42.86	63.92
Pune	Pune	Daund	42.86	68.90
Pune	Pune	Indapur	42.86	73.71
Konkan	Raigad	Alibag	42.86	73.72
Pune	Solapur	Mohol	42.86	65.91
Aurangabad	Beed	Kaij	42.86	65.55
Amravati	Buldhana	Chikhali	42.86	71.57
Nashik	Jalgaon	Chalisingaon	42.86	61.09
Nashik	Jalgaon	Jamner	42.86	66.44

Aurangabad	Jalna	Ghansawangi	42.86	68.59
Aurangabad	Osmanabad	Tuljapur	42.22	70.21
Pune	Pune	Mulshi	41.67	65.02
Nashik	Ahmednagar	Ahmednagar	41.67	62.13
Nashik	Ahmednagar	Parner	41.67	69.72
Pune	Solapur	Akkalkot	41.67	59.93
Pune	Solapur	Barshi	41.67	68.74
Pune	Solapur	Karmala	41.67	66.30
Pune	Solapur	Sangola	41.67	56.00
Aurangabad	Beed	Ambejogai	41.67	68.57
Aurangabad	Beed	Majalgaon	41.67	68.38
Amravati	Buldhana	Khamgaon	41.67	71.90
Nagpur	Gondia	Amgaon	41.67	75.81
Aurangabad	Hingoli	Basmat	41.67	78.88
Aurangabad	Jalna	Jafrabad	41.67	76.58
Pune	Kolhapur	Panhala	41.67	81.04
Aurangabad	Latur	Chakur	41.67	68.63
Aurangabad	Parbhani	Gangakhed	41.67	70.69
Pune	Kolhapur	Karvir	40.91	76.44
Aurangabad	Jalna	Badnapur	40.83	69.50
Pune	Solapur	Mangalvedha	40.18	66.05
Pune	Solapur	Mhada	40.18	68.07
Nashik	Ahmednagar	Karjat	40.00	72.11
Nashik	Ahmednagar	Shevgaon	40.00	65.67
Aurangabad	Parbhani	Palam	40.00	72.08
Aurangabad	Parbhani	Selu	40.00	71.36
Pune	Pune	Maval	40.00	66.78
Konkan	Raigad	Mangaon	40.00	65.58
Pune	Sangli	Kavathe Mahan Kal	40.00	70.94
Pune	Sangli	Palus	40.00	74.00
Pune	Sangli	Shirala	40.00	75.24
Pune	Satara	Man	40.00	70.75
Aurangabad	Beed	Parali	40.00	66.63
Aurangabad	Hingoli	Sengaon	40.00	77.07

Aurangabad	Jalna	Bhokardan	40.00	70.99
Aurangabad	Jalna	Partur	40.00	70.22
Pune	Kolhapur	Chandgad	40.00	78.90
Pune	Kolhapur	Gadhingalaj	40.00	71.97
Pune	Kolhapur	Kagal	40.00	82.99
Pune	Kolhapur	Radhanagari	40.00	81.53
Aurangabad	Parbhani	Jintur	40.00	69.76
Pune	Sangli	Miraj	40.00	66.81
Pune	Sangli	Jat	38.89	66.51
Pune	Satara	Satara	38.89	53.15
Aurangabad	Aurangabad	Aurangabad	38.89	67.55
Aurangabad	Beed	Beed	38.19	73.46
Nashik	Ahmednagar	Pathardi	37.50	63.42
Aurangabad	Parbhani	Pathari	37.50	72.24
Konkan	Raigad	Khalapur	37.50	70.53
Konkan	Raigad	Uran	37.50	76.28
Pune	Sangli	Atpadi	37.50	65.50
Pune	Sangli	Khanapur (Vita)	37.50	70.45
Aurangabad	Aurangabad	Paithan	37.50	70.94
Aurangabad	Aurangabad	Phulambri	37.50	67.06
Aurangabad	Aurangabad	Sillod	37.50	72.10
Aurangabad	Beed	Georai	37.50	70.00
Aurangabad	Beed	Shirur (Kasar)	37.50	64.87
Amravati	Buldhana	Jalgaon Jamod	37.50	74.63
Amravati	Buldhana	Lonar	37.50	70.33
Amravati	Buldhana	Nandura	37.50	72.04
Amravati	Buldhana	Sangrapur	37.50	72.30
Amravati	Buldhana	Shindkhed Raja	37.50	71.21
Aurangabad	Jalna	Ambad	37.50	71.40
Aurangabad	Jalna	Jalna	37.50	70.85
Pune	Kolhapur	Bhudargad	37.50	75.54
Pune	Kolhapur	Shahuwadi	37.50	76.52
Aurangabad	Latur	Renapur	37.50	66.60
Aurangabad	Osmanabad	Bhoom	37.50	67.80

Aurangabad	Osmanabad	Washi	37.50	66.51
Pune	Sangli	Kadegaon	37.50	73.76
Pune	Satara	Patan	37.05	70.08
Pune	Satara	Phaltan	37.05	69.29
Aurangabad	Jalna	Mantha	36.67	65.64
Pune	Satara	Karad	35.90	67.41
Konkan	Ratnagiri	Dapoli	35.71	62.71
Pune	Satara	Khatav	35.71	70.37
Aurangabad	Beed	Ashti	35.71	68.98
Aurangabad	Parbhani	Parbhani	35.00	73.90
Pune	Pune	Have Li	35.00	56.88
Konkan	Raigad	Panvel	35.00	70.51
Pune	Sangli	Walva Islampur	35.00	77.74
Pune	Satara	Koregaon	34.52	68.59
Nashik	Ahmednagar	Shrigonda	33.33	73.25
Aurangabad	Parbhani	Purna	33.33	76.55
Pune	Pune	Shirur	33.33	68.02
Konkan	Ratnagiri	Mandangad	33.33	62.13
Pune	Sangli	Tasgaon	33.33	41.49
Pune	Satara	Jawali	33.33	55.90
Pune	Satara	Khandala	33.33	72.11
Konkan	Sindhudurg	Dodamarg	33.33	64.10
Konkan	Sindhudurg	Kudal	33.33	66.77
Konkan	Sindhudurg	Malvan	33.33	65.56
Konkan	Sindhudurg	Vaibhavwadi	33.33	67.50
Amravati	Buldhana	Malkapur	33.33	71.22
Amravati	Buldhana	Shegaon	33.33	73.12
Konkan	Sindhudurg	Kankavali	31.25	67.37
Konkan	Sindhudurg	Sawantwadi	31.25	44.77
Konkan	Raigad	Mahad	30.00	69.75
Konkan	Ratnagiri	Guhagar	30.00	63.92
Konkan	Sindhudurg	Vengurla	30.00	70.73
Konkan	Ratnagiri	Khed	28.57	65.47
Konkan	Ratnagiri	Chiplun	27.78	65.51

Pune	Pune	Bhor	25.00	70.72
Pune	Pune	Purandar	25.00	64.05
Pune	Pune	Velha	25.00	72.74
Konkan	Raigad	Mhasala	25.00	62.85
Konkan	Raigad	Poladpur	25.00	68.20
Konkan	Raigad	Shrivardhan	25.00	64.32
Konkan	Raigad	Tala	25.00	64.24
Konkan	Ratnagiri	Lanja	25.00	63.44
Konkan	Ratnagiri	Rajapur	25.00	61.74
Konkan	Ratnagiri	Ratnagiri	25.00	64.57
Konkan	Ratnagiri	Sangmeshwar	25.00	62.17
Pune	Satara	Mahabaleshwar	25.00	72.21
Pune	Satara	Wai	25.00	71.88
Konkan	Sindhudurg	Deogad	25.00	71.31
Nashik	Jalgaon	Bodwad	25.00	63.71
Aurangabad	Nanded	Mudkhed	25.00	65.83

3.7 DEVELOPMENT SCORE (DEV)

DEV refers to the development quotient of an area. It is calculated as the proportion of the per capita income of a district to the total per capita income of all districts in Maharashtra.

The main limitation of using DEV as a development proxy is that data on per capita income at district level is only available in Census 2011 and hence, there is no way in which the effect of economic development on political or electoral variables can be captured across time. Thus, the analysis of DEV in this study has a static interpretation.

Cluster analysis tools have been applied to group districts of Maharashtra into high, medium and low income groups. Following tables show the clustering.

Table No. 3.19: Low Income Cluster in the Districts in Maharashtra

District	DEV
Washim	0.01
Gadchiroli	0.01
Latur	0.02
Nanded	0.02
Hingoli	0.02
Osmanabad	0.02
Buldhana	0.02
Nandurbar	0.02
Dhule	0.02
Beed	0.02
Jalna	0.02
Amravati	0.02
Parbhani	0.02
Akola	0.02
Yeotmal	0.02
Gondia	0.02

Table No. 3.20: Medium Income Cluster in the Districts in Maharashtra

District	DEV
Wardha	0.03
Bhandara	0.03
Jalgaon	0.03
Chandrapur	0.03
Solapur	0.03
Ratnagiri	0.03
Sangli	0.03
Satara	0.03
Sindhudurg	0.03
Ahmednagar	0.03
Aurangabad	0.03

Table No. 3.21: High Income Cluster in the Districts in Maharashtra

District	DEV
Nashik	0.04
Kolhapur	0.04
Raigad	0.04
Nagpur	0.04
Thane	0.05
Pune	0.05

Based on the clusters of high, medium and low income districts, it will now be pertinent and interesting to examine whether these clusters correspond to a particular type of VT. Similarly, does development have an effect on political alignment? Or can it affect the proportion of seats which Independent candidates can win? These and other correlations are explored in the next chapter.

CHAPTER - 4

DATA ANALYSIS: CORRELATIONS BETWEEN KEY VARIABLES

Chapter 2 defined the variables which would be of interest in terms of analyzing Panchayat Samiti elections. Chapter 3 analyzed the trends in each of these variables and also arranged the variables into clusters for better understanding of the same. In the present chapter, correlations between these key variables have been worked out. Thus, this chapter brings out the effects that different political variables are bound to exert on one another. It also comments on policy implications of these relationships.

The following table shows the summary of relationships between the main electoral variables defined and analyzed in Chapter 3.

Table No. 4.1: Summary of Correlations in key Election Variables

Variable	Summary of Correlations
VT	<p>Higher voter turnout areas normally exhibit a high level of competition between political parties, a higher swing factor and a higher chance of winning for independents.</p> <p>There seems to be no apparent correlation between reservation of seats and voter turnout ratios.</p> <p>More the development of a district, lesser is the voter turnout experienced in the PS elections.</p>
REVERSE COMP	<p>Competition amongst political parties is higher in areas with higher proportion of reservations.</p> <p>Political parties are more active at the grassroots; lesser developed a district, more is the competition amongst political parties to have a presence in that district.</p>
IND	<p>Independent candidates stand a higher chance of winning elections in areas with higher voter turnout.</p>

CHAPTER - 5

CONCLUSION

This report summarizes and analyzes the past data of Panchayat Samiti elections in Maharashtra to bring out important insights into the behavior of several variables. This not only helps in understanding the patterns in key electoral variables better, but also has immense value in terms of planning relevant policies for the upcoming PS elections. Following are the main findings of the study:

1. Average voter turnout for ZP and PS elections across all rounds of elections stands at about 69 per cent. The voter turnout percentage has kept on decreasing with every successive round of elections; this should be the cause of some worry for the SECM.
2. The average VT in ZP and PS elections at 69 per cent is lower as compared to the average VT in Municipal Councils, which are the closest urban counterparts to these bodies. Average VT in Municipal Councils is 70.7 per cent. This is a surprising result, because it is normally observed that rural local body elections in Indian states normally bring about higher VTs.
3. The lower VT could be a reflection of the huge level of migration that is happening from rural to urban areas. In fact, urbanization and migration could well be the two main issues that SECM will have to focus on in the coming years.
4. The correlation coefficient between VT in a round of elections and the previous round tends to be positive. Thus, a PS with a high turnout in the last round of elections is likely to show higher turnouts in the next round too. Thus, in influencing voter turnouts, it is important to acknowledge the role of the “voting culture” of that area.
5. The study uses a cluster approach to identify those PSs where voter turnout is likely to be low. A list of such PSs is given in Appendix D.

6. It is a popular perception that voter turnout gets affected by how the seats get reserved in different constituencies. However, the data shows that proportion of reserved seats within a constituency has a very mild impact, if at all, on the voter turnout.
7. However, even if reservation of seats does not bring about political activism from perspective of voters, it does bring about higher levels of political activism from perspective of political parties. Political parties tend to engage in greater level of competition in those PSs where the reservation of seats for SC, ST and BCC candidates is higher.
8. Political parties also engage in more tightly fought contests when the voter turnout is high.
9. Data also shows that political parties engage in tougher competition over seats in areas with lower development quotients. This implies that political parties try more to connect with the voter to the grassroots level. Thus, high voter turnout areas in less developed areas with higher level of reservations for SC, ST and BCC candidates are the obvious contenders for witnessing bitterly contested elections between political parties. It is here that the MCC machinery should be concentrated.
10. A separate appendix is given to highlight those PSs where bitter contests will be fought between parties.
11. Around 6.39 per cent of the seats in Panchayat Samitis are held by Independent candidates. In comparison, 17 per cent of seats are won by Independent candidates in the Municipal Council and Nagar Panchayat elections. Independent candidates stand a higher chance of winning elections in PSs governing less developed districts with high voter turnouts.

Thus, the study creates numerous insights pertaining to voter turnout, political alignment, competition amongst political parties, dynamics of reservation of seats for SC, ST and BCC candidates, dynamics of seats won by independent candidates etc. While this analysis is definitely relevant for posterity, it aims to fill in the gaps of information so that the SECM is aided in crafting electoral

policies. This report only presents the findings of the study on Panchayat Samitis. Separate data analysis reports pertaining to Municipal Councils, Municipal Corporations and Zilla Parishads have been created too.

APPENDIX A
DATA ON VT, POL AND REVERSE COMP ACROSS ROUNDS OF ELECTIONS

DISTRICT	PS	POL R2	POL R3	POL R4	VT R2	VT R3	VT R4	REV COMP R2	REV COMP R3	REV COMP R4	IND R2	IND R3	IND R4	RES R2	RES R3	RES R4
AHMEDNAGAR	AHMEDNAGAR	1	0	0	81.19	65.10	59.15	1.70	1.44	1.65	0	0.08	0.00	42.85	41.67	41.67
AHMEDNAGAR	AKOLE	1.00	1.00	1.00	61.43	66.70	61.24	1.96	2.74	2.34	0.00	0.00	0.00	83.33	75.00	75.00
AHMEDNAGAR	JAMKHED	1.00	0.00	1.00	61.60	61.60	66.88	0.70	0.72	0.90	0.00	0.00	0.00	50.00	50.00	50.00
AHMEDNAGAR	KARIAT	1.00	1.00	1.00	69.11	70.50	73.72	1.06	1.26	1.59	0.00	0.00	0.10	40.00	40.00	40.00
AHMEDNAGAR	KOPARGAON	1.00	1.00	1.00	68.18	72.00	71.69	1.42	1.63	1.80	0.00	0.30	0.20	50.00	50.00	50.00
AHMEDNAGAR	NEVASA	1.00	1.00	1.00	64.38	69.60	59.95	1.78	2.28	2.86	0.00	0.00	0.00	50.00	50.00	50.00
AHMEDNAGAR	PARNER	1.00	1.00	0.00	65.70	69.70	69.73	1.50	1.88	2.13	0.00	0.00	0.00	40.00	41.67	41.67
AHMEDNAGAR	PATHARDI	1.00	1.00	1.00	76.23	64.60	62.24	1.23	1.75	1.15	0.00	0.00	0.13	37.50	37.50	37.50
AHMEDNAGAR	RAHATA	0.00	1.00	1.00	58.25	63.90	63.61	1.94	2.50	2.33	0.00	0.00	0.00	60.00	60.00	60.00
AHMEDNAGAR	RAHURI	1.00	0.00	1.00	61.51	70.00	62.55	1.42	1.86	2.12	0.00	0.70	0.00	50.00	50.00	50.00
AHMEDNAGAR	SANGAMNER	1.00	1.00	1.00	65.92	62.70	58.89	3.19	3.50	4.03	0.00	0.00	0.00	43.75	43.75	43.75
AHMEDNAGAR	SHEVGAON	0.00	1.00	1.00	45.74	66.40	64.94	1.73	1.63	2.12	0.00	0.10	0.00	40.00	40.00	40.00
AHMEDNAGAR	SHRIGONDA	1.00	1.00	1.00	70.03	72.30	74.20	2.02	2.18	2.13	0.00	0.00	0.00	33.33	33.33	33.33
AHMEDNAGAR	SHRIRAMPUR	1.00	1.00	1.00	65.96	68.30	70.25	1.70	1.37	1.61	0.00	0.00	0.00	62.50	62.50	62.50
AMRAVATI	ACHALPUR	1.00	0.00	1.00	68.37	73.60	68.18	1.06	1.36	1.75	0.10	0.50	0.00	60.00	60.00	60.00
AMRAVATI	AMRAVATI	0.00	0.00	1.00	59.77	66.80	61.50	1.46	1.26	1.15	0.10	0.13	0.00	60.00	50.00	50.00
AMRAVATI	ANJANGAON	0.00	1.00	1.00	64.06	70.20	69.31	0.53	1.21	0.78	0.00	0.50	0.13	66.67	50.00	50.00
AMRAVATI	BHATKULI	0.00	0.00	1.00	60.31	64.80	59.08	1.28	1.32	1.15	0.00	0.00	0.00	62.50	62.50	62.50

AMRAVATI	CHANDUR BAZAR	1.00	0.00	1.00	66.79	71.00	65.74	1.26	2.14	1.60	0.00	0.58	0.08	50.00	58.33	50.00
AMRAVATI	CHIKHALDARA	1.00	1.00	1.00	52.61	68.80	69.26	0.70	0.89	1.24	0.33	0.33	0.00	83.33	83.33	83.33
AMRAVATI	DARYAPUR	1.00	1.00	1.00	63.35	60.00	60.37	1.37	1.32	1.07	0.00	0.00	0.00	62.50	62.50	62.50
PARBHANI	MANVAT	1.00	0.00	0.00	66.71	70.20	70.76	0.87	1.50	1.17	0.00	0.00	0.00	37.50	50.00	50.00
PARBHANI	PALAM	0.00	1.00	0.00	66.33	72.20	71.95	1.33	1.36	1.34	0.00	0.40	0.40	40.00	40.00	40.00
PARBHANI	PARBHANI	1.00	1.00	1.00	70.98	75.60	72.19	2.48	2.86	2.87	0.05	0.05	0.05	35.00	35.00	35.00
PARBHANI	PATHARI	1.00	1.00	1.00	67.54	73.90	70.57	1.07	1.10	1.72	0.00	0.00	0.00	37.50	37.50	37.50
PARBHANI	PURNA	1.00	1.00	1.00	75.39	78.70	74.39	1.78	1.95	1.65	0.07	0.08	0.25	42.86	33.33	33.33
PARBHANI	SELU	1.00	0.00	1.00	64.23	71.50	71.22	1.94	1.86	2.33	0.00	0.00	0.00	40.00	40.00	40.00
PARBHANI	SONPETH	1.00	1.00	1.00	60.89	68.00	68.88	0.79	0.81	1.45	0.17	0.00	0.00	50.00	50.00	50.00
PUNE	AMBEGAON	1.00	1.00	1.00	67.38	69.30	64.15	1.37	1.75	2.33	0.00	0.00	0.00	50.00	50.00	50.00
PUNE	BARAMATI	1.00	1.00	1.00	64.72	61.50	66.34	3.15	3.50	2.92	0.00	0.00	0.07	42.86	42.86	42.86
PUNE	BHOR	1.00	1.00	1.00	72.61	72.20	69.23	1.00	1.51	1.30	0.00	0.13	0.00	33.33	25.00	25.00
PUNE	DAUND	1.00	1.00	1.00	60.82	70.00	67.80	2.43	2.42	2.72	0.07	0.00	0.00	42.86	42.86	42.86
PUNE	HAVE LI	1.00	1.00	1.00	53.66	57.90	55.85	2.16	2.58	3.34	0.06	0.20	0.15	37.50	35.00	35.00
PUNE	INDAPUR	1.00	1.00	1.00	71.15	74.60	72.81	3.24	2.50	2.86	0.00	0.00	0.00	37.50	42.86	42.86
PUNE	JUNNAR	1.00	1.00	1.00	70.04	66.40	65.16	2.66	2.37	2.90	0.00	0.06	0.00	50.00	50.00	50.00
PUNE	KHED	1.00	1.00	1.00	66.15	63.60	58.17	2.54	2.39	2.17	0.06	0.00	0.07	43.75	50.00	50.00
PUNE	MAVAL	0.00	1.00	0.00	58.81	66.80	66.75	1.33	1.71	1.75	0.00	0.00	0.10	50.00	40.00	40.00
PUNE	MULSHI	1.00	1.00	1.00	54.38	63.30	66.74	1.00	0.89	1.45	0.17	0.00	0.00	33.33	50.00	33.33
PUNE	PURANDAR	1.00	0.00	1.00	63.15	59.50	68.59	0.33	1.21	1.23	0.00	0.00	0.00	25.00	25.00	25.00
PUNE	SHIRUR	1.00	1.00	1.00	58.72	69.30	66.74	1.47	2.08	1.86	0.14	0.08	0.08	35.71	33.33	33.33
PUNE	VELHA	1.00	1.00	1.00	63.82	71.60	73.87	0.75	0.77	0.78	0.00	0.00	0.00	25.00	25.00	25.00
RAIGAD	ALIBAG	0.00	0.00	0.00	67.82	74.50	72.94	2.11	3.01	2.33	0.00	0.00	0.00	41.67	42.86	42.86

RAIGAD	KARIJAT	1.00	0.00	0.00	69.43	73.60	79.19	1.23	1.03	1.34	0.00	0.00	0.00	60.00	60.00
RAIGAD	KHALAPUR	0.00	0.00	1.00	57.76	71.10	69.96	1.46	1.51	1.50	0.00	0.00	0.00	50.00	37.50
RAIGAD	MAHAD	0.00	0.00	1.00	66.48	72.20	67.29	1.66	1.86	1.95	0.00	0.00	0.00	30.00	30.00
RAIGAD	MANGAON	1.00	1.00	1.00	59.89	66.80	64.36	1.23	1.31	1.47	0.00	0.00	0.10	40.00	40.00
RAIGAD	MHASALA	0.00	0.00	1.00	58.05	63.30	62.40	0.75	0.77	0.89	0.00	0.00	0.00	25.00	25.00
RAIGAD	MURUD	1.00	0.00	1.00	66.14	67.70	71.18	0.75	0.58	0.49	0.00	0.00	0.25	50.00	50.00
RAIGAD	PANVEL	0.00	0.00	0.00	62.81	71.50	69.51	3.34	3.28	3.26	0.00	0.00	0.00	40.00	35.00
RAIGAD	PEN	1.00	0.00	0.00	64.62	75.80	73.95	1.70	1.63	2.12	0.00	0.00	0.00	50.00	50.00
RAIGAD	POLADPUR	0.00	0.00	1.00	65.75	71.90	64.49	0.97	0.77	0.78	0.00	0.00	0.00	25.00	25.00
RAIGAD	ROHA	1.00	1.00	1.00	65.13	66.30	64.20	2.18	2.25	2.89	0.00	0.00	0.00	50.00	50.00
RAIGAD	SHRIVARDHAN	0.00	0.00	1.00	62.88	63.20	65.43	0.56	1.00	0.89	0.00	0.00	0.00	25.00	25.00
RAIGAD	SUDHAGAD	1.00	1.00	1.00	62.09	68.10	66.97	0.66	0.79	0.89	0.00	0.00	0.00	50.00	50.00
RAIGAD	TALA	1.00	1.00	1.00	59.53	65.60	62.88	0.97	1.00	0.89	0.00	0.00	0.00	25.00	25.00
RAIGAD	URAN	0.00	0.00	0.00	67.50	75.90	76.66	0.97	1.37	1.23	0.00	0.00	0.00	37.50	37.50
RATNAGIRI	CHIPLUN	0.00	1.00	1.00	63.03	65.60	65.42	2.75	2.94	3.12	0.00	0.11	0.11	27.78	27.78
RATNAGIRI	DAPOLI	0.00	0.00	0.00	56.60	63.10	62.32	2.92	2.99	2.72	0.14	0.00	0.00	35.71	35.71
RATNAGIRI	GUHAGAR	1.00	0.00	1.00	54.92	64.30	63.54	1.23	2.00	2.59	0.00	0.00	0.00	30.00	30.00
RATNAGIRI	KHED	0.00	0.00	0.00	61.94	66.40	64.54	3.15	3.24	2.76	0.00	0.00	0.00	28.57	28.57
RATNAGIRI	LANJA	0.00	0.00	0.00	55.44	63.20	63.68	1.70	1.15	2.02	0.00	0.25	0.00	25.00	25.00
RATNAGIRI	MANDANGAD	1.00	0.00	0.00	62.69	63.50	60.76	1.06	0.81	1.24	0.00	0.00	0.00	33.33	33.33
RATNAGIRI	RAJAPUR	0.00	0.00	1.00	53.47	62.20	61.27	2.91	2.08	2.00	0.00	0.00	0.00	25.00	25.00
RATNAGIRI	RATNAGIRI	0.00	0.00	0.00	55.36	64.70	64.44	1.98	2.22	2.77	0.13	0.00	0.00	25.00	25.00
RATNAGIRI	SANGMESHWAR	0.00	0.00	0.00	55.88	61.20	63.14	2.90	2.07	2.42	0.00	0.13	0.13	25.00	25.00
SANGLI	ATPADI	1.00	1.00	1.00	66.13	64.90	66.10	1.46	1.32	2.02	0.00	0.13	0.00	37.50	37.50

PANCHAYAT SAMITI ELECTIONS IN MAHARASHTRA: A DATA ANALYSIS (1994-2013)

2016

SANGLI	JAT	1.00	1.00	1.00	68.09	67.60	65.42	2.82	2.45	3.06	0.00	0.06	0.06	38.89	38.89	38.89
SANGLI	KAVATHE MAHAN KAL	1.00	1.00	1.00	72.57	73.00	68.87	1.37	2.03	2.59	0.00	0.00	0.10	37.50	40.00	40.00
SANGLI	KHANAPUR (VITA)	1.00	1.00	1.00	77.96	70.60	70.30	2.55	1.55	2.02	0.00	0.00	0.00	42.86	37.50	37.50
SANGLI	PALUS	1.00	1.00	1.00	73.45	74.90	73.09	2.56	2.25	2.04	0.00	0.00	0.00	42.86	40.00	40.00
SANGLI	SHIRALA	1.00	1.00	1.00	77.11	77.00	73.47	1.70	2.03	1.75	0.00	0.00	0.00	40.00	40.00	40.00
SANGLI	TASGAON	1.00	1.00	1.00	78.03	19.20	63.77	1.97	2.49	2.89	0.00	0.08	0.17	40.00	33.33	33.33
SANGLI	WALVA ISLAMPUR	1.00	1.00	1.00	76.68	78.00	77.48	2.43	3.15	4.01	0.10	0.00	0.05	35.00	35.00	35.00
SATARA	JAWALI	1.00	1.00	1.00	70.60	47.10	64.69	1.06	1.50	1.17	0.00	0.00	0.17	33.33	33.33	33.33
SATARA	KARAD	1.00	1.00	1.00	68.11	71.60	63.21	3.97	4.46	4.11	0.04	0.00	0.13	38.46	38.46	33.33
SATARA	KHANDALA	1.00	1.00	1.00	73.60	72.10	72.11	0.85	1.09	1.00	0.00	0.00	0.00	33.33	33.33	33.33
SATARA	KHATAV	1.00	1.00	1.00	69.19	72.60	68.14	1.50	1.89	2.76	0.00	0.07	0.00	35.71	35.71	35.71
SATARA	KOREGAON	1.00	1.00	1.00	70.67	70.10	67.07	1.83	2.18	2.72	0.00	0.00	0.00	33.33	33.33	35.71
SATARA	MAHABALESHWAR	1.00	1.00	1.00	76.17	74.80	69.61	0.97	1.00	1.15	0.00	0.00	0.00	25.00	25.00	25.00
SATARA	MAN	1.00	1.00	1.00	65.77	69.00	72.50	1.58	1.71	1.95	0.00	0.00	0.00	40.00	40.00	40.00
SATARA	PATAN	1.00	1.00	1.00	67.33	70.20	69.95	2.22	2.39	2.71	0.00	0.00	0.00	31.25	31.25	42.86
SATARA	PHALTAN	1.00	1.00	1.00	71.50	72.30	66.27	2.98	2.42	3.46	0.00	0.00	0.00	42.86	42.86	31.25
SATARA	SATARA	1.00	1.00	1.00	67.84	46.20	60.10	2.86	2.75	4.60	0.06	0.17	0.11	38.89	38.89	38.89
SATARA	WAI	1.00	1.00	1.00	72.83	73.10	70.66	1.33	2.00	1.78	0.00	0.00	0.00	25.00	25.00	25.00
SINDHUDURG	DEOGAD	1.00	1.00	1.00	59.24	69.50	73.11	1.70	2.07	2.71	0.00	0.00	0.00	25.00	25.00	25.00
SINDHUDURG	DODAMARG	1.00	1.00	1.00	56.26	63.50	64.70	0.79	1.02	0.80	0.17	0.00	0.00	33.33	33.33	33.33
SINDHUDURG	KANKAVALI	1.00	1.00	1.00	62.31	68.50	66.23	2.73	3.50	4.01	0.11	0.13	0.06	33.33	31.25	31.25
SINDHUDURG	KUDAL	1.00	1.00	1.00	59.89	68.10	65.43	1.92	3.74	2.81	0.06	0.06	0.00	33.33	33.33	33.33

SINDHUDURG	MALVAN	1.00	1.00	1.00	58.67	64.60	66.51	2.17	2.74	2.86	0.08	0.00	0.08	33.33	33.33	33.33
SINDHUDURG	SAWANTWADI	1.00	1.00	1.00	60.31	24.60	64.93	2.13	2.78	2.67	0.00	0.06	0.00	35.71	31.25	31.25
SINDHUDURG	VAIBHAVWADI	1.00	1.00	1.00	64.01	68.80	66.20	1.00	1.26	1.73	0.00	0.00	0.00	33.33	33.33	33.33
SINDHUDURG	VENGURLA	1.00	1.00	1.00	64.74	71.46	70.00	1.73	1.63	1.85	0.00	0.00	0.10	30.00	30.00	30.00
SOLAPUR	AKKALKOT	1.00	1.00	1.00	67.34	60.90	58.96	2.26	1.88	2.13	0.00	0.00	0.00	41.67	41.67	41.67
SOLAPUR	BARSHI	1.00	1.00	1.00	64.75	70.50	66.98	2.11	2.32	2.37	0.00	0.00	0.00	41.67	41.67	41.67
SOLAPUR	KARMALA	1.00	0.00	1.00	69.90	71.30	61.30	2.02	2.74	2.89	0.00	0.92	0.00	41.67	41.67	41.67
SOLAPUR	MANGALVEDHA	1.00	1.00	1.00	66.85	60.70	71.40	1.18	1.41	2.86	0.13	0.00	0.14	37.50	37.50	42.86
SOLAPUR	MARSHIRAS	1.00	1.00	1.00	70.07	70.60	66.53	4.60	4.05	3.35	0.00	0.18	0.18	45.45	45.45	45.45
SOLAPUR	MHADA	1.00	1.00	1.00	70.51	70.90	65.24	2.04	3.50	1.37	0.00	0.00	0.00	42.86	42.86	37.50
SOLAPUR	MOHOL	1.00	1.00	1.00	45.82	67.90	63.91	2.24	3.24	2.72	0.00	0.00	0.00	42.86	42.86	42.86
SOLAPUR	PANDHARPUR	1.00	1.00	1.00	77.81	76.00	75.79	3.89	3.29	3.11	0.13	0.19	0.00	43.75	43.75	43.75
SOLAPUR	SANGOLA	0.00	0.00	0.00	71.30	70.30	41.69	0.33	2.52	2.66	0.08	0.17	0.25	41.67	41.67	41.67
SOLAPUR	SOLAPUR NORTH	1.00	1.00	1.00	65.51	61.50	61.90	0.75	0.58	0.65	0.00	0.00	0.00	50.00	50.00	50.00
SOLAPUR	SOLAPUR SOUTH	1.00	1.00	1.00	64.88	63.60	56.99	2.18	2.03	1.99	0.00	0.00	0.00	50.00	50.00	50.00
THANE	AMBARNATH	1.00	1.00	1.00	57.29	62.90	55.60	0.66	0.58	1.15	0.00	0.00	0.00	50.00	50.00	50.00
THANE	BHIWANDI	1.00	1.00	1.00	55.52	64.60	62.25	2.05	1.96	2.43	0.06	0.11	0.00	55.56	50.00	50.00
THANE	DAHANU	1.00	1.00	1.00	48.67	53.10	54.68	2.49	3.50	2.57	0.00	0.00	0.00	75.00	81.25	81.25
THANE	JAWHAR	1.00	0.00	0.00	55.73	66.70	63.25	0.79	0.72	0.90	0.00	0.00	0.17	100.0		
THANE	KALYAN	1.00	0.00	0.00	59.04	51.30	45.51	0.75	1.54	1.41	0.00	0.00	0.00	50.00	50.00	41.67
THANE	MOKHADA	1.00	0.00	0.00	53.76	63.80	62.20	0.56	0.58	0.65	0.00	0.00	0.00	100.0	100.00	100.00
THANE	MURBAD	1.00	1.00	1.00	61.88	65.80	61.80	1.46	1.60	2.29	0.00	0.00	0.10	50.00	50.00	50.00

THANE	PALGHAR	0.00	0.00	0.00	50.72	58.40	58.96	3.29	3.07	3.61	0.00	0.00	0.00	0.05	68.18	60.00	63.64
THANE	SHAHAPUR	1.00	0.00	0.00	55.89	60.70	59.11	1.70	1.93	2.52	0.00	0.00	0.00	0.00	71.43	71.43	71.43
THANE	TALASARI	0.00	0.00	0.00	58.11	65.50	62.13	1.46	1.50	1.45	0.00	0.00	0.00	0.00	100.00	83.33	83.33
THANE	VASAI	0.00	0.00	1.00	49.28	54.20	62.24	3.13	3.13	1.45	0.00	0.75	0.00	0.00	50.00	50.00	66.67
THANE	VIKRAMGAD	0.00	0.00	1.00	49.11	61.60	58.32	0.79	1.02	1.17	0.00	0.00	0.00	0.00	83.33	83.33	83.33
THANE	WADA	1.00	1.00	0.00	51.34	59.40	60.18	1.07	1.10	1.30	0.50	0.25	0.00	0.00	62.50	62.50	62.50
WARDHA	ARVI	1.00	1.00	1.00	62.91	72.40	71.36	2.02	1.61	1.91	0.00	0.17	0.08	0.00	66.67	58.33	58.33
WARDHA	ASHTI	1.00	1.00	1.00	64.54	71.20	65.28	1.07	1.15	1.07	0.38	0.25	0.13	0.00	50.00	50.00	50.00
WARDHA	DEOLI	1.00	1.00	1.00	66.81	70.60	69.19	2.18	1.77	2.00	0.17	0.00	0.00	0.00	58.33	58.33	58.33
WARDHA	HINGANGHAT	1.00	1.00	1.00	66.24	73.50	71.65	1.55	1.45	1.95	0.00	0.21	0.00	0.00	57.14	57.14	57.14
WARDHA	KARANJA	1.00	1.00	0.00	70.45	72.70	71.28	1.28	1.36	1.75	0.10	0.20	0.10	0.00	60.00	60.00	60.00
WARDHA	SAMUDRAPUR	0.00	1.00	1.00	64.43	70.80	71.81	1.21	1.34	1.35	0.08	0.33	0.25	0.00	58.33	50.00	50.00
WARDHA	SELOO	1.00	1.00	1.00	64.94	71.60	70.02	1.99	2.08	1.54	0.00	0.08	0.17	0.00	50.00	50.00	50.00
WARDHA	WARDHA	1.00	1.00	1.00	61.05	67.30	64.88	2.80	2.39	2.82	0.00	0.18	0.09	0.00	59.09	50.00	50.00
YAVATMAL	ARNI	1.00	1.00	1.00	69.28	71.70	67.50	0.87	1.03	1.73	0.13	0.00	0.00	0.00	62.50	50.00	66.67
YAVATMAL	BABHULGAON	1.00	1.00	1.00	70.24	68.30	64.47	0.79	1.02	1.00	0.00	0.00	0.00	0.00	66.67	66.67	66.67
YAVATMAL	DARWHA	1.00	0.00	1.00	62.13	70.80	70.03	1.58	1.54	1.34	0.00	0.00	0.10	0.00	50.00	50.00	50.00
YAVATMAL	DIGRAS	0.00	1.00	1.00	65.89	72.40	65.01	0.70	1.02	1.17	0.00	0.50	0.00	0.00	66.67	66.67	66.67
YAVATMAL	GHATANJI	1.00	1.00	1.00	68.85	74.50	72.64	0.86	0.89	1.24	0.17	0.33	0.00	0.00	66.67	66.67	66.67
YAVATMAL	KALAMB	0.00	1.00	1.00	65.86	67.70	64.47	0.79	0.89	1.17	0.17	0.17	0.00	0.00	83.33	83.33	83.33
YAVATMAL	KELAPUR	1.00	1.00	1.00	75.21	69.40	69.56	1.00	0.89	1.00	0.00	0.17	0.00	0.00	83.33	83.33	83.33
YAVATMAL	MAHAGAON	1.00	1.00	1.00	67.86	67.40	63.80	1.06	0.96	1.75	0.10	0.20	0.10	0.00	60.00	50.00	50.00
YAVATMAL	MAREGAON	0.00	1.00	1.00	64.63	68.80	70.25	0.75	0.58	0.78	0.25	0.00	0.00	0.00	50.00	50.00	50.00

PANCHAYAT SAMITI ELECTIONS IN MAHARASHTRA: A DATA ANALYSIS (1994-2013)

2016

YAVATMAL	NER	1.00	0.00	0.00	66.68	64.90	68.37	0.61	1.02	1.24	0.17	0.17	0.00	66.67	50.00	66.67
YAVATMAL	PUSAD	1.00	1.00	1.00	58.64	53.70	53.30	2.65	3.24	3.46	0.07	0.07	0.00	57.14	50.00	50.00
YAVATMAL	RALEGAON	1.00	1.00	1.00	67.08	66.80	68.23	1.00	1.26	1.17	0.17	0.17	0.00	66.67	66.67	66.67
YAVATMAL	UMARKHED	1.00	1.00	1.00	67.41	69.40	68.51	1.65	1.61	2.09	0.00	0.08	0.00	58.33	58.33	58.33
YAVATMAL	WANI	0.00	0.00	0.00	72.28	72.30	72.45	1.07	1.03	1.15	0.00	0.13	0.00	50.00	50.00	50.00
YAVATMAL	ZARI ZAMANI	1.00	1.00	1.00	72.50	76.00	74.77	0.97	0.77	0.65	0.00	0.00	0.00	75.00	75.00	75.00
AKOLA	AKOLA	NA	0.00	0.00	NA	63.90	60.93	NA	3.03	3.37	NA	0.08	0.04	NA	46.15	60.71
AKOLA	AKOT	NA	0.00	1.00	NA	74.10	67.51	NA	1.83	2.29	NA	0.25	0.14	NA	56.25	64.29
AKOLA	BALAPUR	NA	0.00	1.00	NA	68.30	66.44	NA	1.53	1.16	NA	0.00	0.00	NA	33.33	57.14
AKOLA	BARSHITAKALI	NA	0.00	0.00	NA	69.80	63.57	NA	1.75	2.17	NA	0.00	0.00	NA	42.86	50.00
AKOLA	MURTIJAPUR	NA	0.00	0.00	NA	63.90	61.66	NA	1.61	1.60	NA	0.08	0.00	NA	58.33	66.67
AKOLA	PATUR	NA	0.00	0.00	NA	68.60	72.44	NA	1.09	1.59	NA	0.30	0.00	NA	50.00	60.00
AKOLA	TELHARA	NA	0.00	0.00	NA	75.20	71.79	NA	2.31	2.86	NA	0.07	0.00	NA	42.86	50.00
AMRAVATI	CHANDUR RAILWAY	NA	1.00	1.00	NA	63.20	63.99	NA	0.89	1.73	NA	0.17	0.00	NA	50.00	50.00
AMRAVATI	DHAMANGAON RAILWAY	NA	1.00	1.00	NA	63.30	64.80	NA	1.10	1.72	NA	0.00	0.13	NA	50.00	50.00
AMRAVATI	DHARNI	NA	1.00	0.00	NA	68.60	65.34	NA	1.75	2.04	NA	0.10	0.00	NA	90.00	90.00
AMRAVATI	MORSHI	NA	0.00	1.00	NA	65.80	66.04	NA	1.41	1.27	NA	0.00	0.10	NA	60.00	60.00
AMRAVATI	NANDGAON	NA	0.00	1.00	NA	67.20	65.70	NA	0.89	1.37	NA	0.25	0.00	NA	50.00	50.00
AMRAVATI	KHANDESHWAR	NA	0.00	1.00	NA	61.10	61.86	NA	0.81	1.45	NA	0.00	0.17	NA	50.00	50.00
AMRAVATI	TEOSA	NA	1.00	1.00	NA	70.00	69.73	NA	1.86	1.40	NA	0.00	0.10	NA	70.00	70.00
AURANGABAD	WARUD	NA	0.00	1.00	NA	67.30	67.80	NA	2.55	1.98	NA	0.00	0.11	NA	38.89	38.89
AURANGABAD	AURANGABAD	NA	0.00	0.00	NA	62.50	65.89	NA	2.60	2.91	NA	0.06	0.17	NA	50.00	50.00

AURANGABAD	KANNAD	NA	1.00	1.00	NA	68.20	65.51	NA	2.28	2.24	NA	0.17	0.06	NA	44.44	44.44
AURANGABAD	KHULDABAD	NA	0.00	1.00	NA	70.60	68.27	NA	0.89	1.00	NA	0.33	0.17	NA	50.00	50.00
AURANGABAD	PAITHAN	NA	0.00	0.00	NA	69.00	72.88	NA	1.86	2.27	NA	0.13	0.13	NA	37.50	37.50
AURANGABAD	PHULAMBRI	NA	1.00	1.00	NA	66.20	67.91	NA	1.21	1.07	NA	0.00	0.13	NA	37.50	37.50
AURANGABAD	SILLOD	NA	0.00	1.00	NA	73.10	71.10	NA	2.00	2.50	NA	0.06	0.06	NA	37.50	37.50
AURANGABAD	SOYGAON	NA	0.00	1.00	NA	66.10	63.74	NA	0.89	0.90	NA	0.00	0.00	NA	66.67	66.67
AURANGABAD	VAIJAPUR	NA	0.00	1.00	NA	66.30	68.44	NA	2.53	2.66	NA	0.00	0.00	NA	50.00	50.00
BEED	AMBEJOGAI	NA	1.00	0.00	NA	69.30	67.84	NA	1.69	2.59	NA	0.08	0.00	NA	41.67	41.67
BEED	ASHTI	NA	0.00	1.00	NA	70.50	67.46	NA	3.50	2.86	NA	1.00	0.00	NA	35.71	35.71
BEED	BEED	NA	1.00	1.00	NA	78.00	68.91	NA	3.48	2.71	NA	0.06	0.06	NA	38.89	37.50
BEED	DHARUR	NA	0.00	1.00	NA	58.30	58.44	NA	1.09	1.17	NA	0.00	0.00	NA	50.00	50.00
BEED	GEORAI	NA	0.00	1.00	NA	67.70	72.29	NA	2.99	3.08	NA	0.00	0.00	NA	37.50	37.50
BEED	KAIJ	NA	1.00	1.00	NA	65.80	65.30	NA	1.96	2.86	NA	0.07	0.00	NA	42.86	42.86
BEED	MAJALGAON	NA	0.00	1.00	NA	69.20	67.56	NA	1.81	2.59	NA	0.08	0.08	NA	41.67	41.67
BEED	PARALI	NA	0.00	0.00	NA	66.70	66.56	NA	2.50	2.89	NA	0.00	0.00	NA	40.00	40.00
BEED	PATODA	NA	1.00	1.00	NA	68.30	64.30	NA	1.26	1.45	NA	0.17	0.00	NA	50.00	50.00
BEED	SHIRUR (KASAR)	NA	0.00	0.00	NA	66.50	63.23	NA	0.97	1.30	NA	0.13	0.00	NA	37.50	37.50
BEED	WADWANI	NA	0.00	1.00	NA	65.90	61.63	NA	1.00	0.78	NA	0.00	0.00	NA	50.00	50.00
BHANDARA	BHANDARA	NA	1.00	0.00	NA	75.70	69.26	NA	2.28	2.61	NA	0.06	0.00	NA	55.56	55.56
BHANDARA	LAKHANDOOR	NA	1.00	0.00	NA	79.50	74.45	NA	1.57	2.09	NA	0.00	0.08	NA	50.00	50.00
BHANDARA	LAKHANI	NA	1.00	0.00	NA	75.60	70.30	NA	1.75	2.89	NA	0.00	0.00	NA	50.00	50.00
BHANDARA	MOHADI	NA	1.00	0.00	NA	80.20	75.82	NA	1.75	2.87	NA	0.25	0.13	NA	43.75	43.75
BHANDARA	PAUNI	NA	1.00	0.00	NA	78.40	75.60	NA	1.54	1.59	NA	0.07	0.21	NA	57.14	57.14
BHANDARA	SAKOLI	NA	1.00	0.00	NA	75.50	72.09	NA	1.88	2.62	NA	0.00	0.07	NA	64.29	64.29

BHANDARA	TUMSAR	NA	1.00	0.00	NA	77.60	74.31	NA	2.22	3.15	NA	0.06	0.17	NA	50.00	50.00
BULDHANA	BULDHANA	NA	1.00	1.00	NA	67.60	62.65	NA	1.61	1.65	NA	0.08	0.00	NA	50.00	50.00
BULDHANA	CHIKHALI	NA	1.00	1.00	NA	72.60	70.53	NA	1.67	2.08	NA	0.00	0.00	NA	42.86	42.86
BULDHANA	DEOULGAON RAJA	NA	1.00	1.00	NA	74.50	74.70	NA	0.89	1.45	NA	0.17	0.00	NA	50.00	50.00
BULDHANA	JALGAON JAMOD	NA	1.00	0.00	NA	74.10	75.16	NA	1.10	1.23	NA	0.00	0.00	NA	37.50	37.50
BULDHANA	KHAMGAON	NA	1.00	1.00	NA	71.80	71.99	NA	1.84	2.26	NA	0.00	0.08	NA	41.67	41.67
BULDHANA	LONAR	NA	1.00	1.00	NA	71.50	69.16	NA	1.15	1.23	NA	0.00	0.00	NA	37.50	37.50
BULDHANA	MALKAPUR	NA	1.00	1.00	NA	71.20	71.23	NA	0.72	0.80	NA	0.00	0.33	NA	33.33	33.33
BULDHANA	MEHKAR	NA	0.00	1.00	NA	70.50	69.28	NA	2.52	2.34	NA	0.00	0.00	NA	50.00	50.00
BULDHANA	MOTALA	NA	1.00	1.00	NA	69.60	63.97	NA	1.26	1.85	NA	0.10	0.00	NA	50.00	50.00
BULDHANA	NANDURA	NA	0.00	0.00	NA	73.50	70.57	NA	0.89	1.37	NA	0.13	0.00	NA	37.50	37.50
BULDHANA	SANGRAMPUR	NA	1.00	0.00	NA	73.20	71.39	NA	0.82	1.30	NA	0.00	0.00	NA	37.50	37.50
BULDHANA	SHEGAON	NA	1.00	1.00	NA	72.30	73.94	NA	1.02	1.17	NA	0.00	0.00	NA	33.33	33.33
BULDHANA	SHINDKHED RAJA	NA	1.00	1.00	NA	72.20	70.21	NA	1.51	1.50	NA	0.13	0.00	NA	37.50	37.50
CHANDRAPUR	BALLARPUR	NA	0.00	1.00	NA	67.20	69.33	NA	0.80	0.78	NA	0.00	0.00	NA	50.00	50.00
CHANDRAPUR	BHADRAVATI	NA	1.00	0.00	NA	68.80	67.25	NA	1.03	1.15	NA	0.13	0.00	NA	62.50	62.50
CHANDRAPUR	BRAMHAPURI	NA	1.00	0.00	NA	77.70	78.73	NA	1.21	1.37	NA	0.00	0.00	NA	50.00	50.00
CHANDRAPUR	CHANDRAPUR	NA	0.00	1.00	NA	61.50	57.14	NA	1.61	2.00	NA	0.17	0.00	NA	58.33	58.33
CHANDRAPUR	CHIMUR	NA	0.00	0.00	NA	70.80	72.53	NA	1.57	2.59	NA	0.17	0.00	NA	75.00	75.00
CHANDRAPUR	GONDPIMPRI	NA	1.00	1.00	NA	75.10	78.91	NA	0.81	0.90	NA	0.00	0.33	NA	66.67	66.67
CHANDRAPUR	JEOTI	NA	0.00	1.00	NA	63.60	72.44	NA	0.58	0.65	NA	0.00	0.00	NA	75.00	75.00
CHANDRAPUR	KORPANA	NA	1.00	1.00	NA	70.80	67.52	NA	1.55	1.23	NA	0.00	0.00	NA	62.50	62.50
CHANDRAPUR	MUL	NA	1.00	0.00	NA	76.90	77.61	NA	1.26	1.24	NA	0.00	0.00	NA	50.00	50.00
CHANDRAPUR	NAGBHID	NA	0.00	1.00	NA	72.80	72.46	NA	2.03	2.04	NA	0.00	0.00	NA	60.00	60.00

CHANDRAPUR	POMBHURNA	NA	1.00	1.00	NA	76.30	73.47	NA	0.58	0.65	NA	0.00	0.00	NA	50.00	50.00
CHANDRAPUR	RAJURA	NA	1.00	1.00	NA	72.10	72.21	NA	1.55	1.37	NA	0.00	0.00	NA	62.50	62.50
CHANDRAPUR	SAOLI	NA	0.00	1.00	NA	72.60	75.12	NA	1.10	1.50	NA	0.00	0.00	NA	50.00	50.00
CHANDRAPUR	SINDEVAHI	NA	0.00	1.00	NA	74.60	75.40	NA	1.41	1.61	NA	0.00	0.00	NA	62.50	62.50
CHANDRAPUR	WARORA	NA	1.00	1.00	NA	71.00	71.91	NA	1.03	1.72	NA	0.00	0.00	NA	62.50	62.50
DHULE	DHULE	NA	0.00	1.00	NA	62.60	66.27	NA	4.43	4.61	NA	0.03	0.12	NA	53.13	55.88
DHULE	SAKRI	NA	1.00	1.00	NA	62.50	68.45	NA	4.02	5.17	NA	0.13	0.03	NA	78.13	82.35
DHULE	SHIRPUR	NA	1.00	0.00	NA	60.50	63.99	NA	3.60	2.20	NA	0.08	0.17	NA	79.17	61.11
DHULE	SINDKHEDA	NA	0.00	1.00	NA	65.50	68.04	NA	3.40	5.15	NA	0.05	0.08	NA	54.55	88.46
GADCHIROLI	AHERI	NA	1.00	0.00	NA	71.50	62.70	NA	2.08	2.66	NA	0.25	0.75	NA	75.00	75.00
GADCHIROLI	ARMORI	NA	1.00	1.00	NA	77.00	73.02	NA	1.63	2.12	NA	0.10	0.00	NA	60.00	60.00
GADCHIROLI	BHAMRAGAD	NA	1.00	0.00	NA	63.60	49.24	NA	0.77	0.89	NA	0.00	0.00	NA	75.00	75.00
GADCHIROLI	CHAMORSHI	NA	1.00	0.00	NA	83.20	73.41	NA	2.09	2.75	NA	0.17	0.22	NA	55.56	55.56
GADCHIROLI	DESAIGANJ (WADSA)	NA	1.00	1.00	NA	83.30	78.39	NA	0.72	1.00	NA	0.17	0.17	NA	66.67	66.67
GADCHIROLI	DHANORA	NA	1.00	1.00	NA	82.10	64.01	NA	1.10	2.02	NA	0.00	0.13	NA	87.50	87.50
GADCHIROLI	ETAPALLI	NA	1.00	1.00	NA	60.10	54.16	NA	1.21	1.56	NA	0.38	0.50	NA	87.50	87.50
GADCHIROLI	GADCHIROLI	NA	1.00	1.00	NA	76.50	77.41	NA	1.26	1.34	NA	0.00	0.30	NA	60.00	60.00
GADCHIROLI	KORCHI	NA	1.00	0.00	NA	71.10	68.92	NA	0.77	0.89	NA	0.00	0.75	NA	75.00	75.00
GADCHIROLI	KURKHEDA	NA	1.00	1.00	NA	79.10	79.65	NA	1.02	1.75	NA	0.30	0.40	NA	70.00	70.00
GADCHIROLI	MULCHERA	NA	1.00	1.00	NA	80.70	71.02	NA	0.58	0.65	NA	0.50	0.25	NA	50.00	50.00
GADCHIROLI	SIRONCHA	NA	1.00	1.00	NA	73.50	67.76	NA	1.21	1.23	NA	0.38	0.13	NA	87.50	87.50
GONDIA	AMGAON	NA	0.00	0.00	NA	77.10	74.51	NA	2.05	2.89	NA	0.00	0.00	NA	41.67	41.67
GONDIA	ARJUNI-	NA	1.00	0.00	NA	76.40	77.14	NA	1.96	2.37	NA	0.07	0.14	NA	71.43	71.43

	MORGAON																		
GONDIA	DEORI	NA	0.00	0.00	NA	70.90	69.53	NA	1.36	2.04	NA	0.20	0.00	NA	90.00	90.00			
GONDIA	GONDIA	NA	0.00	1.00	NA	74.50	76.61	NA	3.52	3.67	NA	0.00	0.04	NA	45.83	45.83			
GONDIA	GOREGAON	NA	0.00	1.00	NA	78.10	77.23	NA	1.88	1.95	NA	0.00	0.00	NA	58.33	58.33			
GONDIA	SADAK-ARIJUNI	NA	1.00	1.00	NA	78.80	75.51	NA	1.54	1.59	NA	0.00	0.00	NA	70.00	70.00			
GONDIA	SALEKASA	NA	0.00	0.00	NA	79.90	74.60	NA	1.21	1.50	NA	0.00	0.00	NA	62.50	62.50			
GONDIA	TIRODA	NA	0.00	1.00	NA	75.90	75.15	NA	2.28	2.17	NA	0.07	0.07	NA	50.00	50.00			
HINGOLI	AUNDHA																		
HINGOLI	MAGNATH	NA	0.00	0.00	NA	64.80	70.21	NA	2.09	2.84	NA	0.06	0.00	NA	55.56	55.56			
HINGOLI	BASMAT	NA	0.00	0.00	NA	79.40	78.36	NA	4.00	4.97	NA	0.04	0.00	NA	41.67	41.67			
HINGOLI	HINGOLI	NA	1.00	1.00	NA	61.00	73.17	NA	1.79	1.87	NA	0.13	0.00	NA	43.75	43.75			
HINGOLI	KALAMNURI	NA	1.00	0.00	NA	88.20	67.26	NA	3.69	3.93	NA	0.00	0.05	NA	54.55	54.55			
HINGOLI	SENGAON	NA	1.00	1.00	NA	82.10	72.04	NA	2.62	1.92	NA	0.05	0.20	NA	40.00	40.00			
JALGAON	AMALNER	NA	0.00	0.00	NA	61.30	62.77	NA	1.59	1.53	NA	0.10	0.00	NA	60.00	60.00			
JALGAON	BHADGAON	NA	1.00	1.00	NA	66.50	64.13	NA	1.26	1.00	NA	0.00	0.17	NA	50.00	66.67			
JALGAON	BHUSAWAL	NA	0.00	1.00	NA	56.60	55.49	NA	1.32	1.61	NA	0.00	0.00	NA	50.00	50.00			
JALGAON	BODWAD	NA	1.00	1.00	NA	63.50	63.91	NA	0.70	0.78	NA	0.00	0.00	NA	25.00	25.00			
JALGAON	CHALISGAON	NA	1.00	1.00	NA	62.60	59.58	NA	1.50	2.33	NA	0.14	0.00	NA	42.86	42.86			
JALGAON	CHOPADA	NA	1.00	1.00	NA	66.80	67.25	NA	2.12	2.00	NA	0.00	0.08	NA	70.00	66.67			
JALGAON	DHARANGAON	NA	0.00	0.00	NA	67.60	61.99	NA	0.89	1.17	NA	0.00	0.00	NA	66.67	66.67			
JALGAON	ERANDOL	NA	1.00	0.00	NA	65.80	65.18	NA	0.72	1.17	NA	0.17	0.00	NA	50.00	50.00			
JALGAON	JALGAON	NA	1.00	1.00	NA	63.70	64.85	NA	1.41	1.53	NA	0.00	0.10	NA	60.00	60.00			
JALGAON	JAMNER	NA	1.00	0.00	NA	65.30	67.57	NA	2.15	3.01	NA	0.00	0.00	NA	42.86	42.86			
JALGAON	MUKTAINAGAR	NA	1.00	0.00	NA	73.00	69.14	NA	1.46	1.78	NA	0.00	0.00	NA	50.00	50.00			

/EDLABAD																				
JALGAON	NA	0.00	0.00	NA	65.30	64.22	NA	1.41	2.33	NA	0.00	0.00	NA	50.00	50.00					
JALGAON	NA	0.00	1.00	NA	61.30	59.83	NA	1.09	1.17	NA	0.00	0.00	NA	50.00	50.00					
JALGAON	NA	0.00	1.00	NA	66.50	65.94	NA	1.81	1.95	NA	0.00	0.00	NA	50.00	50.00					
JALGAON	NA	0.00	1.00	NA	64.30	65.34	NA	1.63	1.99	NA	0.00	0.00	NA	60.00	70.00					
JALNA	NA	1.00	1.00	NA	73.40	69.39	NA	3.25	3.26	NA	0.00	0.06	NA	37.50	37.50					
JALNA	NA	0.00	1.00	NA	69.90	69.10	NA	1.44	1.27	NA	0.00	0.00	NA	41.67	40.00					
JALNA	NA	0.00	1.00	NA	70.60	71.38	NA	3.26	3.17	NA	0.00	0.00	NA	40.00	40.00					
JALNA	NA	1.00	0.00	NA	69.70	67.47	NA	2.80	3.46	NA	0.00	0.00	NA	42.86	42.86					
JALNA	NA	1.00	0.00	NA	77.70	75.46	NA	1.34	2.09	NA	0.00	0.00	NA	41.67	41.67					
JALNA	NA	0.00	0.00	NA	71.40	70.29	NA	2.53	2.23	NA	0.00	0.00	NA	37.50	37.50					
JALNA	NA	1.00	1.00	NA	64.20	67.08	NA	1.15	1.54	NA	0.00	0.08	NA	40.00	33.33					
JALNA	NA	1.00	0.00	NA	67.50	72.94	NA	1.02	1.59	NA	0.00	0.00	NA	40.00	40.00					
KOLHAPUR	NA	1.00	1.00	NA	74.40	70.47	NA	0.89	1.24	NA	0.00	0.00	NA	50.00	50.00					
KOLHAPUR	NA	1.00	1.00	NA	77.30	73.78	NA	1.41	1.56	NA	0.00	0.00	NA	37.50	37.50					
KOLHAPUR	NA	0.00	1.00	NA	82.10	75.69	NA	2.00	1.99	NA	0.80	0.00	NA	40.00	40.00					
KOLHAPUR	NA	1.00	1.00	NA	75.00	68.94	NA	1.63	1.99	NA	0.00	0.10	NA	40.00	40.00					
KOLHAPUR	NA	1.00	1.00	NA	88.60	85.22	NA	0.68	0.89	NA	0.00	0.00	NA	50.00	50.00					
KOLHAPUR	NA	1.00	1.00	NA	75.20	71.27	NA	3.03	2.62	NA	0.05	0.09	NA	45.45	45.45					
KOLHAPUR	NA	0.00	1.00	NA	81.70	84.28	NA	2.50	2.04	NA	1.00	0.00	NA	40.00	40.00					
KOLHAPUR	NA	1.00	1.00	NA	78.10	74.77	NA	3.84	3.46	NA	0.00	0.14	NA	40.91	40.91					
KOLHAPUR	NA	0.00	0.00	NA	81.30	80.77	NA	2.32	1.86	NA	0.00	0.00	NA	41.67	41.67					
KOLHAPUR	NA	1.00	1.00	NA	82.20	80.85	NA	1.41	1.53	NA	0.10	0.00	NA	40.00	40.00					
KOLHAPUR	NA	1.00	0.00	NA	79.20	73.84	NA	1.21	1.78	NA	0.00	0.00	NA	37.50	37.50					

KOLHAPUR	SHIROL	NA	1.00	1.00	NA	78.30	73.38	NA	2.10	2.42	NA	0.00	0.13	NA	43.75	43.75
LATUR	AHMEDPUR	NA	0.00	1.00	NA	69.30	67.73	NA	1.88	2.89	NA	0.08	0.00	NA	50.00	50.00
LATUR	AUSA	NA	1.00	1.00	NA	65.80	63.28	NA	2.31	2.39	NA	0.06	0.00	NA	44.44	44.44
LATUR	CHAKUR	NA	0.00	1.00	NA	68.70	68.55	NA	1.34	2.09	NA	0.25	0.00	NA	41.67	41.67
LATUR	DEONI	NA	1.00	1.00	NA	67.80	63.91	NA	1.09	1.00	NA	0.00	0.00	NA	50.00	50.00
LATUR	JALKOT	NA	1.00	1.00	NA	70.40	64.68	NA	0.81	1.17	NA	0.00	0.00	NA	50.00	66.67
LATUR	LATUR	NA	1.00	1.00	NA	69.00	66.14	NA	2.92	4.60	NA	0.06	0.00	NA	50.00	50.00
LATUR	NILANGA	NA	1.00	1.00	NA	69.40	63.53	NA	3.07	3.09	NA	0.00	0.00	NA	50.00	50.00
LATUR	RENAPUR	NA	0.00	1.00	NA	68.40	64.80	NA	1.41	1.61	NA	0.00	0.00	NA	37.50	37.50
LATUR	SHIRUR (ANANTPAL)	NA	1.00	1.00	NA	71.80	67.74	NA	1.02	0.80	NA	0.00	0.00	NA	50.00	66.67
LATUR	UDGIR	NA	1.00	1.00	NA	69.80	64.60	NA	2.05	2.89	NA	0.00	0.00	NA	50.00	50.00
NAGPUR	BHIWAPUR	NA	1.00	0.00	NA	72.90	64.49	NA	0.89	1.24	NA	0.00	0.00	NA	66.67	66.67
NAGPUR	HINGNA	NA	0.00	1.00	NA	64.60	62.31	NA	1.44	2.37	NA	0.00	0.00	NA	58.33	58.33
NAGPUR	KALMESHWAR	NA	1.00	1.00	NA	73.40	71.23	NA	0.72	1.24	NA	0.00	0.00	NA	66.67	66.67
NAGPUR	KAMTHI	NA	0.00	0.00	NA	65.30	60.03	NA	2.07	1.61	NA	0.00	0.00	NA	50.00	50.00
NAGPUR	KATOL	NA	1.00	1.00	NA	70.10	65.16	NA	1.51	1.15	NA	0.00	0.00	NA	62.50	62.50
NAGPUR	KUHI	NA	1.00	1.00	NA	73.40	68.56	NA	1.10	1.30	NA	0.13	0.00	NA	50.00	50.00
NAGPUR	MAUDA	NA	0.00	0.00	NA	74.00	73.45	NA	1.20	1.53	NA	0.00	0.00	NA	50.00	50.00
NAGPUR	NAGPUR RURAL	NA	1.00	0.00	NA	56.90	49.12	NA	1.96	2.48	NA	0.00	0.00	NA	64.29	64.29
NAGPUR	NARKHED	NA	1.00	0.00	NA	68.10	67.14	NA	0.97	1.30	NA	0.00	0.00	NA	50.00	50.00
NAGPUR	PARSHIONI	NA	0.00	1.00	NA	66.00	63.67	NA	1.36	1.40	NA	0.20	0.00	NA	60.00	60.00
NAGPUR	RAMTEK	NA	1.00	0.00	NA	70.50	67.84	NA	1.15	1.53	NA	0.20	0.30	NA	80.00	80.00
NAGPUR	SAONER	NA	1.00	0.00	NA	68.30	63.69	NA	1.84	2.00	NA	0.08	0.17	NA	50.00	50.00

NAGPUR	UMRED	NA	0.00	0.00	NA	62.92	NA	1.02	1.00	NA	0.50	0.00	NA	66.67	66.67
NANDED	ARDHAPUR	NA	1.00	1.00	NA	71.30	NA	0.89	0.89	NA	0.00	0.00	NA	50.00	50.00
NANDED	BHOKAR	NA	0.00	1.00	NA	67.10	NA	0.89	1.24	NA	0.50	0.00	NA	66.67	66.67
NANDED	BILOLI	NA	0.00	1.00	NA	66.60	NA	1.32	1.30	NA	0.00	0.00	NA	62.50	62.50
NANDED	DEGLOOR	NA	0.00	1.00	NA	66.30	NA	1.60	1.53	NA	0.00	0.00	NA	62.50	70.00
NANDED	DHARMABAD	NA	1.00	1.00	NA	67.30	NA	0.68	0.78	NA	0.50	0.00	NA	75.00	75.00
NANDED	HADGAON	NA	0.00	0.00	NA	68.00	NA	1.95	2.37	NA	0.00	0.00	NA	50.00	50.00
NANDED	HIMAYATNAGAR	NA	0.00	1.00	NA	65.00	NA	0.89	1.17	NA	0.33	0.17	NA	66.67	66.67
NANDED	KANDHAR	NA	1.00	1.00	NA	72.40	NA	1.81	1.65	NA	0.17	0.00	NA	50.00	50.00
NANDED	KINWAT	NA	0.00	1.00	NA	71.10	NA	1.36	1.70	NA	0.00	0.00	NA	70.00	70.00
NANDED	LOHA	NA	1.00	1.00	NA	70.30	NA	1.54	1.95	NA	0.00	0.00	NA	50.00	41.67
NANDED	MAHUR	NA	0.00	1.00	NA	74.00	NA	0.72	0.65	NA	0.00	0.00	NA	66.67	50.00
NANDED	MUDKHED	NA	1.00	1.00	NA	67.30	NA	1.00	0.89	NA	0.00	0.00	NA	25.00	25.00
NANDED	MUKHED	NA	1.00	1.00	NA	64.90	NA	2.02	2.66	NA	0.08	0.00	NA	58.33	58.33
NANDED	NAIGAON (K.)	NA	1.00	1.00	NA	70.10	NA	1.63	1.64	NA	0.00	0.00	NA	60.00	60.00
NANDED	NANDED	NA	1.00	1.00	NA	62.60	NA	1.41	1.37	NA	0.00	0.00	NA	50.00	37.50
NANDED	UMARI	NA	1.00	1.00	NA	66.10	NA	0.68	1.15	NA	0.00	0.00	NA	50.00	50.00
NANDURBAR	AKKALUVA (SA)	NA	1.00	1.00	NA	75.40	NA	2.03	3.82	NA	0.00	0.00	NA	93.75	90.00
NANDURBAR	AKRANI (SA)	NA	1.00	1.00	NA	67.00	NA	2.32	2.96	NA	0.00	0.06	NA	91.67	93.75
NANDURBAR	NANDURBAR	NA	1.00	1.00	NA	73.30	NA	3.49	3.92	NA	0.00	0.00	NA	85.00	90.00
NANDURBAR	NAVAPUR(SA)	NA	1.00	1.00	NA	78.60	NA	3.42	3.61	NA	0.00	0.00	NA	95.00	94.44
NANDURBAR	SHAHADA	NA	1.00	1.00	NA	67.10	NA	5.01	4.84	NA	0.00	0.00	NA	85.71	92.31
NANDURBAR	TALODA (SA)	NA	1.00	1.00	NA	68.30	NA	1.75	2.04	NA	0.00	0.00	NA	90.00	90.00
NASHIK	BAGLAN	NA	1.00	1.00	NA	55.50	NA	1.54	1.75	NA	0.07	0.00	NA	71.43	71.43

NASHIK	CHANDWAD	NA	1.00	1.00	NA	68.80	64.90	NA	1.09	1.99	NA	0.10	0.00	NA	60.00	60.00
NASHIK	DEO LA	NA	1.00	0.00	NA	62.90	64.28	NA	1.50	0.80	NA	0.00	0.17	NA	66.67	66.67
NASHIK	DINDORI	NA	1.00	1.00	NA	64.60	72.75	NA	2.08	1.60	NA	0.00	0.17	NA	83.33	83.33
NASHIK	IGATPURI	NA	0.00	1.00	NA	67.30	69.68	NA	1.36	1.19	NA	0.10	0.10	NA	80.00	80.00
NASHIK	KALWAN	NA	1.00	1.00	NA	68.00	71.73	NA	1.37	1.37	NA	0.00	0.13	NA	75.00	75.00
NASHIK	MALEGAON	NA	0.00	0.00	NA	54.90	59.09	NA	2.80	2.33	NA	0.06	0.07	NA	50.00	57.14
NASHIK	NANDGAON	NA	1.00	1.00	NA	56.50	52.38	NA	1.09	0.90	NA	0.00	0.00	NA	50.00	50.00
NASHIK	NASHIK	NA	1.00	1.00	NA	59.10	55.53	NA	1.03	0.89	NA	0.13	0.13	NA	75.00	75.00
NASHIK	NIPHAD	NA	1.00	1.00	NA	57.60	57.36	NA	2.54	2.96	NA	0.00	0.10	NA	55.00	55.00
NASHIK	PETH	NA	1.00	0.00	NA	68.10	73.71	NA	0.58	0.65	NA	0.00	0.00	NA	100.00	100.00
NASHIK	SINNAR	NA	0.00	1.00	NA	62.80	61.14	NA	2.24	2.34	NA	0.00	0.00	NA	50.00	50.00
NASHIK	SURGANA	NA	0.00	0.00	NA	75.00	79.58	NA	1.02	1.45	NA	0.00	0.00	NA	100.00	100.00
NASHIK	TRAMBAKESHWAR	NA	1.00	1.00	NA	70.30	75.76	NA	0.62	1.45	NA	0.00	0.00	NA	83.33	83.33
NASHIK	YEOLA	NA	1.00	1.00	NA	65.30	65.38	NA	1.75	2.33	NA	0.00	0.00	NA	50.00	50.00
OSMANABAD	BHOOM	NA	1.00	1.00	NA	69.70	65.89	NA	1.21	1.72	NA	0.00	0.00	NA	37.50	37.50
OSMANABAD	KALAMB	NA	1.00	1.00	NA	71.70	67.52	NA	2.03	2.52	NA	0.07	0.00	NA	50.00	50.00
OSMANABAD	NAVIN LOHARA	NA	0.00	1.00	NA	65.50	61.58	NA	1.75	2.04	NA	0.60	0.00	NA	50.00	50.00
OSMANABAD	OSMANABAD	NA	1.00	1.00	NA	68.10	59.94	NA	3.83	3.14	NA	0.04	0.00	NA	45.83	43.75
OSMANABAD	PARANDA	NA	0.00	1.00	NA	69.50	64.44	NA	1.36	3.88	NA	0.00	0.00	NA	40.00	45.83
OSMANABAD	TULIAPUR	NA	1.00	0.00	NA	72.90	67.51	NA	2.70	2.12	NA	0.00	0.00	NA	44.44	40.00
OSMANABAD	UMARGA	NA	1.00	1.00	NA	67.60	58.60	NA	3.29	3.34	NA	0.19	0.00	NA	43.75	44.44
OSMANABAD	WASHI	NA	1.00	1.00	NA	67.60	65.41	NA	1.51	1.61	NA	0.00	0.00	NA	37.50	37.50
PARBHANI	GANGAKHED	NA	1.00	1.00	NA	70.90	70.47	NA	1.13	1.60	NA	0.25	0.33	NA	41.67	41.67
PARBHANI	JINTUR	NA	1.00	1.00	NA	69.30	70.22	NA	2.98	4.29	NA	0.15	0.05	NA	40.00	40.00

PANCHAYAT SAMITI ELECTIONS IN MAHARASHTRA: A DATA ANALYSIS (1994-2013)

2016

SANGLI		NA	1.00	1.00	74.90	72.61	NA	1.41	1.78	NA	0.00	0.00	NA	37.50	37.50
SANGLI	KADEGAON	NA	1.00	1.00	74.90	72.61	NA	1.41	1.78	NA	0.00	0.00	NA	37.50	37.50
SANGLI	MIRAJ	NA	1.00	1.00	70.80	62.82	NA	3.02	3.68	NA	0.20	0.05	NA	40.00	40.00
WASHIM	KARANJA	NA	1.00	0.00	70.62	67.31	NA	1.51	1.78	NA	0.25	0.00	NA	43.75	50.00
WASHIM	MALEGAON	NA	0.00	1.00	72.80	68.91	NA	1.63	2.42	NA	0.11	0.05	NA	50.00	60.00
WASHIM	MANGRULPIR	NA	1.00	0.00	72.90	69.48	NA	2.06	1.78	NA	0.00	0.19	NA	57.14	56.25
WASHIM	MANORA	NA	1.00	1.00	72.20	65.02	NA	1.63	2.10	NA	0.19	0.38	NA	56.25	50.00
WASHIM	RISOD	NA	1.00	0.00	75.70	73.08	NA	2.58	1.83	NA	0.06	0.00	NA	55.56	55.56
WASHIM	WASHIM	NA	1.00	1.00	78.60	75.41	NA	1.96	2.35	NA	0.22	0.06	NA	50.00	55.56
YAVATMAL	YAVATMAL	NA	1.00	1.00	59.30	52.30	NA	1.59	2.12	NA	0.00	0.00	NA	64.29	64.29

APPENDIX B
AVERAGE VALUES OF VT, SCST, POL, RESERVE COMP AND IND

Division	District	PS	Average VT	Average_SCST	Average_RES	Average POL	Average REVERSE COMP	Average IND
Pune	Kolhapur	Gagan Bawda	86.91	14.26	50.00	1.00	0.79	0.00
Pune	Kolhapur	Kagal	82.99	13.26	40.00	0.50	2.27	0.50
Pune	Kolhapur	Radhanagari	81.53	10.72	40.00	1.00	1.47	0.05
Pune	Kolhapur	Panhala	81.04	12.70	41.67	0.00	2.09	0.00
Nagpur	Gadchiroli	Desaiganj (Wadsa)	80.85	26.04	66.67	1.00	0.86	0.17
Nagpur	Gadchiroli	Kurkheda	79.38	64.70	70.00	1.00	1.39	0.35
Pune	Kolhapur	Chandgad	78.90	10.49	40.00	0.50	1.99	0.40
Aurangabad	Hingoli	Basmat	78.88	16.32	41.67	0.00	4.49	0.02
Nagpur	Gadchiroli	Chamorshi	78.31	27.16	55.56	0.50	2.42	0.19
Nagpur	Chandrapur	Bramhapuri	78.22	22.98	50.00	0.50	1.29	0.00
Nagpur	Bhandara	Mohadi	78.01	19.52	43.75	0.50	2.31	0.19
Aurangabad	Hingoli	Kalamnuri	77.73	28.67	54.55	0.50	3.81	0.02
Nagpur	Gondia	Goregaon	77.67	27.42	58.33	0.50	1.92	0.00
Nashik	Nandurbar	Navapur(Sa)	77.66	94.41	94.72	1.00	3.51	0.00

Pune	Sangli	Walva Islampur	77.39	11.72	35.00	1.00	3.20	0.05
Nashik	Nashik	Surgana	77.29	95.30	100.00	0.00	1.24	0.00
Nagpur	Chandrapur	Mul	77.26	24.60	50.00	0.50	1.25	0.00
Nagpur	Gondia	Salekasa	77.25	34.23	62.50	0.00	1.35	0.00
Nagpur	Gondia	Sadak-Arjuni	77.16	35.37	70.00	1.00	1.56	0.00
Aurangabad	Hingoli	Sengaon	77.07	16.49	40.00	1.00	2.27	0.13
Nagpur	Chandrapur	Gondpimpri	77.01	34.31	66.67	1.00	0.86	0.17
Amravati	Washim	Washim	77.01	24.21	52.78	1.00	2.16	0.14
Nagpur	Bhandara	Pauni	77.00	30.02	57.14	0.50	1.56	0.14
Nagpur	Bhandara	Lakhandoor	76.98	25.56	50.00	0.50	1.83	0.04
Nagpur	Gadchiroli	Gadchiroli	76.96	35.47	60.00	1.00	1.30	0.15
Nagpur	Gondia	Arjuni-Morgaon	76.77	43.59	71.43	0.50	2.16	0.11
Aurangabad	Jalna	Jafrabad	76.58	14.77	41.67	0.50	1.72	0.00
Pune	Solapur	Pandharpur	76.53	18.13	43.75	1.00	3.43	0.10
Pune	Kolhapur	Shahuwadi	76.52	11.46	37.50	0.50	1.49	0.00
Pune	Kolhapur	Karvir	76.44	15.53	40.91	1.00	3.65	0.07
Aurangabad	Parbhani	Purna	76.16	13.33	36.51	1.00	1.79	0.13
Nagpur	Bhandara	Tumsar	75.96	24.34	50.00	0.50	2.68	0.11
Pune	Sangli	Shirala	75.86	10.00	40.00	1.00	1.83	0.00

Nagpur	Gadchiroli	Mulchera	75.86	37.23	50.00	1.00	0.61	0.38
Pune	Kolhapur	Shirol	75.84	19.02	43.75	1.00	2.26	0.06
Nagpur	Gondia	Amgaon	75.81	17.75	41.67	0.00	2.47	0.00
Nagpur	Gondia	Gondia	75.56	22.99	45.83	0.50	3.59	0.02
Pune	Kolhapur	Bhudargad	75.54	10.35	37.50	1.00	1.49	0.00
Nagpur	Gondia	Tiroda	75.53	115.71	50.00	0.50	2.22	0.07
Nagpur	Gadchiroli	Armori	75.01	36.13	60.00	1.00	1.88	0.05
Nagpur	Chandrapur	Sindevahi	75.00	41.46	62.50	0.50	1.51	0.00
Nagpur	Chandrapur	Pombhurna	74.89	35.39	50.00	1.00	0.61	0.00
Amravati	Buldhana	Jalgaon Jamod	74.63	20.94	37.50	0.50	1.16	0.00
Amravati	Buldhana	Deulgaon Raja	74.60	13.41	50.00	1.00	1.17	0.08
Amravati	Yavatmal	Zari Zamani	74.42	46.69	75.00	1.00	0.80	0.00
Amravati	Washim	Risod	74.39	27.00	55.56	0.50	2.21	0.03
Konkan	Raigad	Karjat	74.07	27.55	60.00	0.33	1.20	0.00
Nashik	Nandurbar	Akkalkuva (Sa)	73.99	85.88	91.88	1.00	2.93	0.00
Nagpur	Chandrapur	Saoli	73.86	25.24	50.00	0.50	1.30	0.00
Pune	Sangli	Palus	73.81	12.00	40.95	1.00	2.28	0.00
Nagpur	Bhandara	Sakoli	73.80	31.97	64.29	0.50	2.25	0.04
Pune	Sangli	Kadegaon	73.76	11.20	37.50	1.00	1.59	0.00

Nagpur	Nagpur	Mauda	73.73	22.94	50.00	0.00	1.37	0.00
Pune	Satara	Mahabaleshwar	73.53	11.42	25.00	1.00	1.04	0.00
Amravati	Akola	Telhara	73.50	19.59	46.43	0.00	2.58	0.04
Aurangabad	Beed	Beed	73.46	13.35	38.19	1.00	3.09	0.06
Konkan	Raigad	Uran	73.35	9.62	37.50	0.00	1.19	0.00
Pune	Kolhapur	Hatkanangale	73.24	18.22	45.45	1.00	2.83	0.07
Amravati	Buldhana	Shegaon	73.12	9.18	33.33	1.00	1.10	0.00
Aurangabad	Nanded	Mahur	73.09	24.42	58.33	0.50	0.69	0.00
Nagpur	Gadchiroli	Dhanora	73.06	74.83	87.50	1.00	1.56	0.06
Nashik	Nashik	Trambakeshwar	73.03	86.82	83.33	1.00	1.03	0.00
Pune	Sangli	Khanapur (Vita)	72.95	12.66	39.29	1.00	2.04	0.00
Nagpur	Bhandara	Lakhani	72.95	26.23	50.00	0.50	2.32	0.00
Aurangabad	Parbhani	Parbhani	72.92	11.48	35.00	1.00	2.74	0.05
Pune	Pune	Indapur	72.85	15.92	41.07	1.00	2.86	0.00
Nagpur	Chandrapur	Nagbhid	72.63	32.22	60.00	0.50	2.03	0.00
Pune	Satara	Khandala	72.60	8.38	33.33	1.00	0.98	0.00
Aurangabad	Nanded	Loha	72.58	19.18	45.83	1.00	1.75	0.00
Nagpur	Bhandara	Bhandara	72.48	29.66	55.56	0.50	2.44	0.03
Pune	Kolhapur	Ajara	72.44	8.68	50.00	1.00	1.06	0.00

Amravati	Yavatmal	Wani	72.34	24.95	50.00	0.00	1.09	0.04
Nagpur	Nagpur	Kalmeshwar	72.32	26.42	66.67	1.00	0.98	0.00
Amravati	Buldhana	Sangrampur	72.30	21.13	37.50	0.50	1.06	0.00
Pune	Satara	Wai	72.20	7.59	25.00	1.00	1.70	0.00
Nashik	Ahmednagar	Shrigonda	72.18	14.79	33.33	1.00	2.11	0.00
Nagpur	Chandrapur	Rajura	72.16	40.00	62.50	1.00	1.46	0.00
Aurangabad	Nanded	Kandhar	72.14	25.09	50.00	1.00	1.73	0.08
Aurangabad	Aurangabad	Sillod	72.10	17.59	37.50	0.50	2.25	0.06
Amravati	Buldhana	Nandura	72.04	12.52	37.50	0.00	1.13	0.06
Amravati	Yavatmal	Ghatanji	72.00	42.29	66.67	1.00	1.00	0.17
Pune	Kolhapur	Gadhingalaj	71.97	11.58	40.00	1.00	1.81	0.05
Nashik	Nandurbar	Nandurbar	71.95	60.88	87.50	1.00	3.70	0.00
Amravati	Buldhana	Khamgaon	71.90	10.34	41.67	1.00	2.05	0.04
Konkan	Raigad	Alibag	71.75	16.83	42.46	0.00	2.48	0.00
Nagpur	Chandrapur	Chimur	71.67	47.37	75.00	0.00	2.08	0.08
Amravati	Buldhana	Chikhali	71.57	16.89	42.86	1.00	1.87	0.00
Pune	Sangli	Kavathe Mahan Kal	71.48	14.24	39.17	1.00	2.00	0.03
Nagpur	Wardha	Karanja	71.48	25.97	60.00	0.67	1.46	0.13
Konkan	Raigad	Pen	71.46	19.03	50.00	0.33	1.82	0.00

Nagpur	Chandrapur	Warora	71.46	32.23	62.50	1.00	1.38	0.00
Aurangabad	Jalna	Ambad	71.40	13.06	37.50	1.00	3.25	0.03
Amravati	Yavatmal	Kelapur	71.39	48.61	83.33	1.00	0.96	0.06
Aurangabad	Nanded	Ardhapur	71.39	17.76	50.00	1.00	0.89	0.00
Pune	Pune	Bhor	71.35	6.65	27.78	1.00	1.27	0.04
Amravati	Buldhana	Maikapur	71.22	15.71	33.33	1.00	0.76	0.17
Amravati	Buldhana	Shindkhed Raja	71.21	13.98	37.50	1.00	1.50	0.06
Amravati	Washim	Mangrulpir	71.19	27.69	56.70	0.50	1.92	0.09
Nashik	Ahmednagar	Karjat	71.11	14.88	40.00	1.00	1.30	0.03
Nashik	Jalgaon	Muktainagar /Edlabad	71.07	21.83	50.00	0.50	1.62	0.00
Aurangabad	Jalna	Bhokardan	70.99	15.56	40.00	0.50	3.21	0.00
Nagpur	Nagpur	Kuhi	70.98	25.69	50.00	1.00	1.20	0.06
Aurangabad	Aurangabad	Paithan	70.94	14.89	37.50	0.00	2.07	0.13
Nashik	Nashik	Peth	70.91	93.72	100.00	0.50	0.61	0.00
Amravati	Washim	Malegaon	70.86	30.42	55.00	0.50	2.03	0.08
Aurangabad	Jalna	Jalna	70.85	12.67	37.50	0.00	2.38	0.00
Amravati	Akola	Akot	70.81	32.42	60.27	0.50	2.06	0.20
Aurangabad	Parbhani	Gangakhed	70.69	16.58	41.67	1.00	1.36	0.29
Aurangabad	Parbhani	Pathari	70.67	13.67	37.50	1.00	1.30	0.00

Nagpur	Gadchiroli	Sironcha	70.63	48.46	87.50	1.00	1.22	0.25
Nashik	Ahmednagar	Kopergaon	70.62	24.35	50.00	1.00	1.62	0.17
Amravati	Akola	Patur	70.52	27.09	55.00	0.00	1.34	0.15
Nagpur	Wardha	Hinganghat	70.46	24.94	57.14	1.00	1.65	0.07
Amravati	Buldhana	Lonar	70.33	18.92	37.50	1.00	1.19	0.00
Aurangabad	Jalna	Partur	70.22	12.49	40.00	0.50	1.31	0.00
Nagpur	Gondia	Deori	70.22	61.74	90.00	0.00	1.70	0.10
Aurangabad	Osmanabad	Tuljapur	70.21	16.16	42.22	0.50	2.41	0.00
Aurangabad	Parbhani	Palam	70.16	16.67	40.00	0.33	1.34	0.27
Aurangabad	Nanded	Kinwat	70.09	39.56	70.00	0.50	1.53	0.00
Amravati	Amravati	Achalpur	70.05	33.98	60.00	0.67	1.39	0.20
Pune	Satara	Phaltan	70.02	11.49	38.99	1.00	2.95	0.00
Nagpur	Gadchiroli	Korchi	70.01	82.24	75.00	0.50	0.83	0.38
Aurangabad	Beed	Georai	70.00	12.20	37.50	0.50	3.04	0.00
Pune	Satara	Khatav	69.98	9.10	35.71	1.00	2.05	0.02
Amravati	Buldhana	Mehkar	69.89	25.22	50.00	0.50	2.43	0.00
Amravati	Amravati	Warud	69.87	33.48	70.00	1.00	1.63	0.05
Nashik	Nashik	Kalwan	69.87	68.63	75.00	1.00	1.37	0.06
Aurangabad	Latur	Shirur (Anantpal)	69.77	28.82	58.33	1.00	0.91	0.00

Pune	Pune	Velha	69.76	8.12	25.00	1.00	0.77	0.00
Aurangabad	Parbhani	Jintur	69.76	14.18	40.00	1.00	3.64	0.10
Aurangabad	Osmanabad	Kalamb	69.61	21.24	50.00	1.00	2.27	0.04
Aurangabad	Jalna	Badnapur	69.50	13.83	40.83	0.50	1.35	0.00
Amravati	Yavatmal	Arni	69.49	28.79	59.72	1.00	1.21	0.04
Aurangabad	Aurangabad	Khuldabad	69.44	15.37	50.00	0.50	0.94	0.25
Pune	Satara	Koregaon	69.28	8.61	34.13	1.00	2.24	0.00
Aurangabad	Parbhani	Manvat	69.22	11.32	45.83	0.33	1.18	0.00
Nagpur	Nagpur	Ramtek	69.17	49.24	80.00	0.50	1.34	0.25
Pune	Satara	Patan	69.16	9.26	35.12	1.00	2.44	0.00
Nagpur	Chandrapur	Korpana	69.16	35.71	62.50	1.00	1.39	0.00
Aurangabad	Nanded	Umari	69.15	31.79	50.00	1.00	0.92	0.00
Pune	Satara	Man	69.09	11.87	40.00	1.00	1.75	0.00
Aurangabad	Nanded	Bhokar	69.07	36.05	66.67	0.50	1.06	0.25
Pune	Solapur	Marshiras	69.07	18.42	45.45	1.00	4.00	0.12
Nagpur	Wardha	Samudrapur	69.01	28.72	52.78	0.67	1.30	0.22
Aurangabad	Parbhani	Selu	68.98	10.18	40.00	0.67	2.04	0.00
Aurangabad	Beed	Ashti	68.98	11.68	35.71	0.50	3.18	0.50
Amravati	Washim	Karanja	68.97	21.11	46.88	0.50	1.64	0.13

Nagpur	Wardha	Arvi	68.89	34.43	61.11	1.00	1.85	0.08
Pune	Solapur	Mhada	68.88	15.91	41.07	1.00	2.30	0.00
Nagpur	Wardha	Deoli	68.87	34.17	58.33	1.00	1.98	0.06
Nagpur	Wardha	Seloo	68.85	28.60	50.00	1.00	1.87	0.08
Konkan	Sindhudurg	Vengurla	68.73	4.12	30.00	1.00	1.74	0.03
Nagpur	Nagpur	Bhiwapur	68.70	37.71	66.67	0.50	1.06	0.00
Nashik	Nashik	Dindori	68.68	58.53	83.33	1.00	1.84	0.08
Konkan	Raigad	Mahad	68.66	6.98	30.00	0.33	1.82	0.00
Aurangabad	Latur	Chakur	68.63	22.99	41.67	0.50	1.72	0.13
Amravati	Washim	Manora	68.61	27.80	53.13	1.00	1.87	0.28
Aurangabad	Jalna	Ghansawangi	68.59	13.04	42.86	0.50	3.13	0.00
Aurangabad	Beed	Ambejogai	68.57	17.05	41.67	0.50	2.14	0.04
Aurangabad	Latur	Ahmedpur	68.52	23.94	50.00	0.50	2.39	0.04
Nashik	Nashik	Igatpuri	68.49	49.33	80.00	0.50	1.28	0.10
Nashik	Ahmednagar	Ahmednagar	68.48	17.20	42.06	0.33	1.60	0.03
Amravati	Yavatmal	Umarkhed	68.44	32.28	58.33	1.00	1.78	0.03
Aurangabad	Beed	Majalgaon	68.38	16.13	41.67	0.50	2.20	0.08
Nashik	Ahmednagar	Parner	68.38	11.37	41.11	0.67	1.84	0.00
Konkan	Raigad	Murud	68.34	21.68	50.00	0.67	0.61	0.08

Nagpur	Chandrapur	Ballarpur	68.27	33.99	50.00	0.50	0.79	0.00
Nashik	Ahmednagar	Shrirampur	68.17	26.61	62.50	1.00	1.56	0.00
Nagpur	Chandrapur	Bhadravati	68.03	35.94	62.50	0.50	1.09	0.06
Nagpur	Chandrapur	Jeoti	68.02	51.45	75.00	0.50	0.61	0.00
Konkan	Raigad	Panvel	67.94	13.11	36.67	0.00	3.29	0.00
Amravati	Yavatmal	Maregaon	67.89	39.56	50.00	0.67	0.70	0.08
Amravati	Amravati	Anjangaon	67.86	29.92	55.56	0.67	0.84	0.21
Amravati	Amravati	Chandur Bazar	67.84	28.30	52.78	0.67	1.67	0.22
Aurangabad	Osmanabad	Bhoom	67.80	13.70	37.50	1.00	1.47	0.00
Amravati	Yavatmal	Djgras	67.77	24.88	66.67	0.67	0.96	0.17
Nashik	Ahmednagar	Pathardi	67.69	11.67	37.50	1.00	1.38	0.04
Amravati	Yavatmal	Babhulgaon	67.67	33.03	66.67	1.00	0.94	0.00
Amravati	Yavatmal	Darwha	67.65	24.28	50.00	0.67	1.49	0.03
Pune	Satara	Karad	67.64	10.64	36.75	1.00	4.18	0.05
Nagpur	Nagpur	Katol	67.63	36.25	62.50	1.00	1.33	0.00
Nagpur	Nagpur	Narkhed	67.62	30.54	50.00	0.50	1.13	0.00
Aurangabad	Latur	Latur	67.57	21.98	50.00	1.00	3.76	0.03
Aurangabad	Aurangabad	Aurangabad	67.55	15.15	38.89	0.50	2.26	0.06
Nashik	Nandurbar	Taloda (Sa)	67.55	86.49	90.00	1.00	1.89	0.00

Aurangabad	Latur	Jalkot	67.54	28.25	58.33	1.00	0.99	0.00
Aurangabad	Hingoli	Aundha Nagnath	67.51	22.82	55.56	0.00	2.47	0.03
Pune	Solapur	Karmala	67.50	15.36	41.67	0.67	2.55	0.31
Pune	Solapur	Barshi	67.41	14.41	41.67	1.00	2.27	0.00
Aurangabad	Nanded	Dharmabad	67.40	45.20	75.00	1.00	0.73	0.25
Konkan	Raigad	Poladpur	67.38	7.03	25.00	0.33	0.84	0.00
Amravati	Akola	Balapur	67.37	20.27	45.24	0.50	1.35	0.00
Aurangabad	Aurangabad	Vaijapur	67.37	16.88	50.00	0.50	2.59	0.00
Amravati	Yavatmal	Ralegaon	67.37	37.88	66.67	1.00	1.14	0.06
Konkan	Sindhudurg	Deogad	67.28	2.80	25.00	1.00	2.16	0.00
Aurangabad	Latur	Udgir	67.20	28.83	50.00	1.00	2.47	0.00
Pune	Pune	Junnar	67.20	23.95	50.00	1.00	2.64	0.02
Nagpur	Gadchiroli	Aheri	67.10	62.23	75.00	0.50	2.37	0.50
Aurangabad	Hingoli	Hingoli	67.09	16.73	43.75	1.00	1.83	0.06
Aurangabad	Aurangabad	Phulambri	67.06	11.08	37.50	1.00	1.14	0.06
Pune	Sangli	Jat	67.04	15.26	38.89	1.00	2.77	0.04
Nashik	Jalgaon	Chopada	67.03	37.84	68.33	1.00	2.06	0.04
Nagpur	Wardha	Ashti	67.01	26.78	50.00	1.00	1.10	0.25
Amravati	Amravati	Dharni	66.97	79.99	90.00	0.50	1.89	0.05

Aurangabad	Osmanabad	Paranda	66.97	16.05	42.92	0.50	2.62	0.00
Pune	Pune	Ambegaon	66.94	23.78	50.00	1.00	1.82	0.00
Aurangabad	Aurangabad	Kannad	66.86	14.93	44.44	1.00	2.26	0.11
Aurangabad	Nanded	Hadgaon	66.85	26.98	50.00	0.00	2.16	0.00
Nashik	Nashik	Chandwad	66.85	27.21	60.00	1.00	1.54	0.05
Pune	Sangli	Miraj	66.81	14.19	40.00	1.00	3.35	0.13
Amravati	Buldhana	Motala	66.79	16.12	50.00	1.00	1.55	0.05
Nashik	Dhule	Sinkhedra	66.77	43.54	71.50	0.50	4.28	0.06
Amravati	Akola	Barshitakali	66.69	21.25	46.43	0.00	1.96	0.00
Amravati	Yavatmal	Ner	66.65	28.36	61.11	0.33	0.96	0.11
Aurangabad	Beed	Parali	66.63	14.94	40.00	0.00	2.69	0.00
Aurangabad	Latur	Renapur	66.60	19.07	37.50	0.50	1.51	0.00
Aurangabad	Nanded	Naigaon (K.)	66.57	30.52	60.00	1.00	1.64	0.00
Aurangabad	Osmanabad	Washi	66.51	18.46	37.50	1.00	1.56	0.00
Aurangabad	Latur	Nilanga	66.47	22.08	50.00	1.00	3.08	0.00
Amravati	Amravati	Nandgaon Khandeshwar	66.45	27.66	50.00	0.50	1.13	0.13
Nashik	Jalgaon	Jamner	66.44	16.91	42.86	0.50	2.58	0.00
Nashik	Nandurbar	Shahada	66.41	63.35	89.01	1.00	4.93	0.00
Amravati	Yavatmal	Mahagaon	66.35	24.56	53.33	1.00	1.26	0.13

Konkan	Sindhudurg	Vaibhavwadi	66.34	4.31	33.33	1.00	1.33	0.00
Pune	Solapur	Mangalvedha	66.32	16.87	39.29	1.00	1.82	0.09
Aurangabad	Beed	Patoda	66.30	9.66	50.00	1.00	1.35	0.08
Konkan	Raigad	Khalapur	66.27	21.39	41.67	0.33	1.49	0.00
Nashik	Jalgaon	Raver	66.22	29.38	50.00	0.50	1.88	0.00
Pune	Pune	Daund	66.21	15.20	42.86	1.00	2.52	0.02
Aurangabad	Nanded	Himayatnagar	66.05	26.00	66.67	0.50	1.03	0.25
Amravati	Yavatmal	Kalamb	66.01	42.98	83.33	0.67	0.95	0.11
Nagpur	Nagpur	Saoner	66.00	31.61	50.00	0.50	1.92	0.13
Aurangabad	Parbhani	Sonpeth	65.92	15.63	50.00	1.00	1.01	0.06
Amravati	Amravati	Morshi	65.92	29.68	60.00	0.50	1.34	0.05
Aurangabad	Nanded	Biloli	65.90	36.62	62.50	0.50	1.31	0.00
Aurangabad	Latur	Deoni	65.86	24.52	50.00	1.00	1.04	0.00
Aurangabad	Nanded	Mudkhed	65.83	17.10	25.00	1.00	0.94	0.00
Konkan	Raigad	Sudhagad	65.72	29.44	50.00	1.00	0.78	0.00
Pune	Sangli	Atpadi	65.71	11.63	37.50	1.00	1.60	0.04
Konkan	Sindhudurg	Kankavali	65.68	5.63	31.94	1.00	3.41	0.10
Aurangabad	Jalna	Mantha	65.64	14.29	36.67	1.00	1.34	0.04
Aurangabad	Beed	Kaij	65.55	18.26	42.86	1.00	2.41	0.04

Nashik	Nandurbar	Akrani (Sa)	65.54	96.78	92.71	1.00	2.64	0.03
Nashik	Jalgaon	Erandol	65.49	18.82	50.00	0.50	0.94	0.08
Nashik	Dhule	Sakri	65.48	54.61	80.24	1.00	4.59	0.08
Nashik	Nashik	Yeola	65.34	20.35	50.00	1.00	2.04	0.00
Nashik	Jalgaon	Bhadgaon	65.32	20.77	58.33	1.00	1.13	0.08
Aurangabad	Nanded	Degloor	65.22	37.45	66.25	0.50	1.56	0.00
Konkan	Raigad	Roha	65.21	19.10	50.00	1.00	2.44	0.00
Amravati	Buldhana	Buldhana	65.13	22.05	50.00	1.00	1.63	0.04
Aurangabad	Aurangabad	Soygaon	64.92	20.42	66.67	0.50	0.89	0.00
Pune	Pune	Shirur	64.92	9.20	34.13	1.00	1.80	0.10
Aurangabad	Beed	Shirur (Kasar)	64.87	8.29	37.50	0.00	1.13	0.06
Nagpur	Nagpur	Parshioni	64.84	30.63	60.00	0.50	1.38	0.10
Nashik	Jalgaon	Yaval	64.82	33.36	65.00	0.50	1.81	0.00
Nashik	Jalgaon	Dharangaon	64.80	25.80	66.67	0.00	1.03	0.00
Nashik	Jalgaon	Pachora	64.76	16.10	50.00	0.00	1.87	0.00
Nashik	Ahmednagar	Rahuri	64.69	23.89	50.00	0.67	1.80	0.23
Konkan	Ratnagiri	Chiplun	64.68	2.57	27.78	0.67	2.94	0.07
Nashik	Ahmednagar	Nevasa	64.64	18.85	50.00	1.00	2.30	0.00
Aurangabad	Latur	Ausa	64.54	18.63	44.44	1.00	2.35	0.03

Konkan	Sindhudurg	Kudal	64.47	6.52	33.33	1.00	2.82	0.04
Nashik	Dhule	Dhule	64.44	27.60	54.50	0.50	4.52	0.07
Nagpur	Wardha	Wardha	64.41	26.03	53.03	1.00	2.67	0.09
Konkan	Ratnagiri	Khed	64.29	2.85	28.57	0.00	3.05	0.00
Nashik	Jalgaon	Jalgaon	64.28	25.01	60.00	1.00	1.47	0.05
Aurangabad	Aurangabad	Gangapur	64.20	18.10	50.00	0.00	2.76	0.11
Pune	Pune	Baramati	64.19	13.77	42.86	1.00	3.19	0.02
Pune	Pune	Maval	64.12	13.72	43.33	0.33	1.59	0.03
Amravati	Amravati	Dhamangaon Railway	64.05	25.07	50.00	1.00	1.41	0.06
Aurangabad	Osmanabad	Osmanabad	64.02	20.31	44.79	1.00	3.49	0.02
Nagpur	Nagpur	Umred	63.96	36.64	66.67	0.00	1.01	0.25
Aurangabad	Nanded	Nanded	63.92	19.50	43.75	1.00	1.39	0.00
Konkan	Raigad	Shrivardhan	63.84	14.33	25.00	0.33	0.82	0.00
Aurangabad	Beed	Wadwani	63.77	14.33	50.00	0.50	0.89	0.00
Pune	Pune	Purandar	63.75	8.12	25.00	0.67	0.92	0.00
Nashik	Jalgaon	Bodyad	63.71	13.30	25.00	1.00	0.74	0.00
Konkan	Raigad	Mangaon	63.68	10.67	40.00	1.00	1.33	0.03
Amravati	Amravati	Chandur Railway	63.60	25.29	50.00	1.00	1.31	0.08

Nashik	Nashik	Deo La	63.59	25.51	66.67	0.50	1.15	0.08
Amravati	Amravati	Chikhaldara	63.56	85.21	83.33	1.00	0.94	0.22
Aurangabad	Osmanabad	Navin Lohara	63.54	18.90	50.00	0.50	1.89	0.30
Nagpur	Nagpur	Hingna	63.46	27.69	58.33	0.50	1.91	0.00
Nashik	Ahmednagar	Jamkhed	63.36	13.60	50.00	0.67	0.78	0.00
Konkan	Sindhudurg	Malvan	63.26	5.45	33.33	1.00	2.59	0.06
Aurangabad	Nanded	Mukhed	63.18	31.68	58.33	1.00	2.34	0.04
Konkan	Thane	Murbad	63.16	27.00	50.00	1.00	1.78	0.03
Nashik	Ahmednagar	Akole	63.12	49.92	77.78	1.00	2.35	0.00
Aurangabad	Osmanabad	Umarga	63.10	20.39	44.10	1.00	3.32	0.09
Pune	Solapur	Solapur North	62.97	19.46	50.00	1.00	0.66	0.00
Amravati	Akola	Murtijapur	62.78	32.04	62.50	0.00	1.60	0.04
Amravati	Amravati	Amravati	62.69	30.50	53.33	0.33	1.29	0.08
Konkan	Raigad	Tala	62.67	16.10	25.00	1.00	0.95	0.00
Nagpur	Nagpur	Kamthi	62.67	25.08	50.00	0.00	1.84	0.00
Pune	Pune	Khed	62.64	15.69	47.92	1.00	2.36	0.04
Nashik	Ahmednagar	Sangamner	62.50	18.98	43.75	1.00	3.57	0.00
Amravati	Akola	Akola	62.42	25.47	53.43	0.00	3.20	0.06
Pune	Solapur	Akkalkot	62.40	21.01	41.67	1.00	2.09	0.00

Konkan	Ratnagiri	Mandangad	62.32	5.54	33.33	0.33	1.04	0.00
Nashik	Dhule	Shirpur	62.25	43.72	70.14	0.50	2.90	0.13
Nashik	Jalgaon	Amalner	62.04	22.50	60.00	0.00	1.56	0.05
Nashik	Nashik	Sinnar	61.97	19.92	50.00	0.50	2.29	0.00
Nashik	Ahmednagar	Rahata	61.92	21.71	60.00	0.67	2.26	0.00
Konkan	Thane	Talasari	61.91	90.56	88.89	0.00	1.47	0.00
Konkan	Thane	Jawhar	61.89	97.69	100.00	0.33	0.80	0.06
Pune	Solapur	Solapur South	61.82	19.72	50.00	1.00	2.07	0.00
Konkan	Ratnagiri	Ratnagiri	61.50	1.21	25.00	0.00	2.33	0.04
Konkan	Sindhudurg	Dodamarg	61.49	7.03	33.33	1.00	0.87	0.06
Amravati	Amravati	Teosa	61.48	21.51	50.00	0.50	1.13	0.08
Pune	Pune	Mulshi	61.47	11.58	38.89	1.00	1.11	0.06
Amravati	Amravati	Bhatkuli	61.40	38.28	62.50	0.33	1.25	0.00
Konkan	Raigad	Mhasala	61.25	10.57	25.00	0.33	0.80	0.00
Amravati	Amravati	Daryapur	61.24	39.83	62.50	1.00	1.25	0.00
Pune	Solapur	Sangola	61.10	14.76	41.67	0.00	1.84	0.17
Nashik	Jalgaon	Chalisgaon	61.09	19.47	42.86	1.00	1.91	0.07
Konkan	Ratnagiri	Guhagar	60.92	1.40	30.00	0.67	1.94	0.00
Pune	Satara	Jawali	60.80	4.67	33.33	1.00	1.24	0.06

Konkan	Thane	Bhiwandi	60.79	22.58	51.85	1.00	2.15	0.06
Konkan	Ratnagiri	Lanja	60.77	1.57	25.00	0.00	1.62	0.08
Konkan	Ratnagiri	Dapoli	60.67	7.57	35.71	0.00	2.88	0.05
Nashik	Jalgaon	Parola	60.57	19.55	50.00	0.50	1.13	0.00
Nashik	Nashik	Baglan	60.24	42.88	71.43	1.00	1.65	0.04
Konkan	Ratnagiri	Sangmeshwar	60.07	1.51	25.00	0.00	2.46	0.08
Konkan	Thane	Mokhada	59.92	91.68	100.00	0.33	0.60	0.00
Nagpur	Chandrapur	Chandrapur	59.32	32.56	58.33	0.50	1.81	0.08
Pune	Solapur	Mohol	59.21	17.37	42.86	1.00	2.74	0.00
Nashik	Ahmednagar	Shevgaon	59.03	15.51	40.00	0.67	1.83	0.03
Konkan	Ratnagiri	Rajapur	58.98	1.14	25.00	0.33	2.33	0.00
Konkan	Thane	Ambarnath	58.60	21.64	50.00	1.00	0.80	0.00
Konkan	Thane	Shahapur	58.57	36.81	71.43	0.33	2.05	0.00
Aurangabad	Beed	Dharur	58.37	18.20	50.00	0.50	1.13	0.00
Pune	Satara	Satara	58.05	9.28	38.89	1.00	3.41	0.11
Nashik	Nashik	Niphad	57.48	28.15	55.00	1.00	2.75	0.05
Nashik	Nashik	Nashik	57.32	42.77	75.00	1.00	0.96	0.13
Nagpur	Gadchiroli	Etapalli	57.13	84.72	87.50	1.00	1.38	0.44
Nashik	Nashik	Malegaon	57.00	24.40	53.57	0.00	2.57	0.06

Konkan	Thane	Wada	56.97	55.18	62.50	0.67	1.16	0.25
Nagpur	Gadchiroli	Bhamragad	56.42	84.03	75.00	0.50	0.83	0.00
Konkan	Thane	Vikramgad	56.34	90.49	83.33	0.33	0.99	0.00
Nashik	Jalgaon	Bhusawal	56.05	18.04	50.00	0.50	1.47	0.00
Konkan	Thane	Palghar	56.03	36.26	63.94	0.00	3.32	0.02
Pune	Pune	Have Li	55.80	12.42	35.83	1.00	2.69	0.14
Amravati	Yavatmal	Yavatmal	55.80	35.90	64.29	1.00	1.86	0.00
Konkan	Thane	Vasai	55.24	29.30	55.56	0.33	2.57	0.25
Amravati	Yavatmal	Pusad	55.21	27.52	52.38	1.00	3.12	0.05
Nashik	Nashik	Nandgaon	54.44	24.18	50.00	1.00	1.00	0.00
Pune	Sangli	Tasgaon	53.67	11.34	35.56	1.00	2.45	0.08
Nagpur	Nagpur	Nagpur Rural	53.01	30.97	64.29	0.50	2.22	0.00
Konkan	Thane	Dahanu	52.15	73.41	79.17	1.00	2.85	0.00
Konkan	Thane	Kalyan	51.95	14.60	47.22	0.33	1.24	0.00
Konkan	Sindhudurg	Sawantwadi	49.95	5.92	32.74	1.00	2.53	0.02

APPENDIX C
CLUSTER ANALYSIS OF VT, POL, REVERSE COMP, IND AND RES

PS	Av VT	PS	Av REVERSE COMP	PS	Av RES	PS	Av IND
Gagan Bawda	86.91	Shahada	4.93	Jawhar	100.00	Ashti	50.00
Kagal	82.99	Sakri	4.59	Mokhada	100.00	Aheri	50.00
Radhanagari	81.53	Dhule	4.52	Peth	100.00	Kagal	50.00
Panhala	81.04	Basmat	4.49	Surgana	100.00	Karmala	45.83
Desaiganj (Wadsa)	80.85	Karad	4.28	Navapur(Sa)	94.72	Etapalli	43.75
Kurkheda	79.38	Sindkheda	4.28	Akrani (Sa)	92.71	Palam	40.00
Chandgad	78.90	Kalamnuri	3.81	Akkalkuva (Sa)	91.88	Chandgad	40.00
Basmat	78.88	Sangamner	3.77	Dharni	90.00	Vasai	37.50
Chamorshi	78.31	Latur	3.76	Deori	90.00	Korchi	37.50
Bramhapuri	78.22	Kankavali	3.75	Taloda (Sa)	90.00	Mulchera	37.50
Mohadi	78.01	Nandurbar	3.70	Shahada	89.01	Rahuri	35.00
Walva Islampur	77.74	Marshiras	3.70	Dhanora	87.50	Kurkheda	35.00
Kalamnuri	77.73	Satara	3.68	Etapalli	87.50	Chandur Bazar	33.33
Goregaon	77.67	Karvir	3.65	Sironcha	87.50	Anjangaon	31.25

Navapur(Sa)	77.66	Jintur	3.64	Nandurbar	87.50	Navin Lohara	30.00
Surgana	77.29	Gondia	3.59	Chikhaldara	83.33	Samudrapur	29.17
Mul	77.26	Walva Islampur	3.58	Talassari	83.33	Gangakhed	29.17
Salekasa	77.25	Navapur(Sa)	3.51	Vikramgad	83.33	Manora	28.13
Sadak-Arjuni	77.16	Osmanabad	3.49	Kalamb	83.33	Kopargaon	25.00
Sengao	77.07	Pusad	3.35	Kelapur	83.33	Achalpur	25.00
Gondpimpri	77.01	Miraj	3.35	Dindori	83.33	Digras	25.00
Washim	77.01	Palghar	3.34	Trambakeshwar	83.33	Sironcha	25.00
Pauni	77.00	Umarga	3.32	Dahanu	81.25	Ramtek	25.00
Lakhandoor	76.98	Kudal	3.28	Sakri	80.24	Umred	25.00
Gadchiroli	76.96	Panvel	3.27	Ramtek	80.00	Bhokar	25.00
Arjuni-Morgaon	76.77	Ambad	3.25	Igatpuri	80.00	Dharmabad	25.00
Jafrabad	76.58	Bhokardan	3.21	Akole	75.00	Khuldabad	25.00
Purna	76.55	Baramati	3.21	Zari Zamani	75.00	Himayatnagar	25.00
Shahuwadi	76.52	Pandharpur	3.20	Chimur	75.00	Sangola	20.83
Karvir	76.44	Akola	3.20	Jeoti	75.00	Akot	19.64
Karjat	76.40	Ashti	3.18	Aheri	75.00	Chamorshi	19.44
Uran	76.28	Ghansawangi	3.13	Bhamragad	75.00	Ashti	18.75

Tumsar	75.96	Beed	3.09	Korchi	75.00	Mohadi	18.75
Pandharpur	75.90	Nilanga	3.08	Dharmabad	75.00	Marshiras	18.18
Mulchera	75.86	Georai	3.04	Kalwan	75.00	Have Li	17.50
Shirol	75.84	Dahanu	3.04	Nashik	75.00	Chikhaldara	16.67
Aంగాon	75.81	Chiplun	3.03	Sindkheda	71.50	Purna	16.67
Gondia	75.56	Khed	3.00	Shahapur	71.43	Ghatanji	16.67
Bhudargad	75.54	Mohol	2.98	Arjuni- Morgaon	71.43	Malkapur	16.67
Tiroda	75.53	Have Li	2.96	Baglan	71.43	Gondpimpri	16.67
Zari Zamani	75.39	Phaltan	2.94	Shirpur	70.14	Desaiganj (Wadsa)	16.67
Shirala	75.24	Akkalkuva (Sa)	2.93	Warud	70.00	Karanja	15.00
Armori	75.01	Shirpur	2.90	Kurkheda	70.00	Mahagaon	15.00
Sindevahi	75.00	Parbhani	2.87	Sadak-Arjuni	70.00	Patur	15.00
Pombhurna	74.89	Dapoli	2.86	Kinwat	70.00	Gadchiroli	15.00
Pen	74.88	Hatkanangale	2.83	Chopada	68.33	Pauni	14.29
Jalgaon Jamod	74.63	Karmala	2.82	Babhulgaon	66.67	Washim	13.89
Deoulgaon Raja	74.60	Malvan	2.80	Digras	66.67	Satara	13.89
Risod	74.39	Gangapur	2.76	Ghatanji	66.67	Wardha	13.64
Palus	74.00	Niphad	2.75	Ralegaon	66.67	Murud	12.50

Akkalkuva (Sa)	73.99	Jat	2.75	Soygaon	66.67	Lanja	12.50
Parbhani	73.90	Sawantwadi	2.73	Gondpimpri	66.67	Sangmeshwar	12.50
Saoli	73.86	Parali	2.69	Desaganj (Wadsa)	66.67	Wada	12.50
Sakoli	73.80	Tasgaon	2.69	Dharangaon	66.67	Nandgaon Khandeshwar	12.50
Kadegaon	73.76	Tumsar	2.68	Bhiwapur	66.67	Paithan	12.50
Mauda	73.73	Indapur	2.68	Kalmeshwar	66.67	Sengaon	12.50
Alibag	73.72	Alibag	2.67	Umred	66.67	Chakur	12.50
Indapur	73.71	Akrani (Sa)	2.64	Bhokar	66.67	Nashik	12.50
Ghatanji	73.57	Junnar	2.63	Himayatnagar	66.67	Miraj	12.50
Telhara	73.50	Paranda	2.62	Deo La	66.67	Karanja	12.50
Beed	73.46	Wardha	2.61	Degloor	66.25	Tasgaon	12.50
Shrigonda	73.25	Vaijapur	2.59	Yaval	65.00	Arvi	12.50
Hatkanangale	73.24	Sangola	2.59	Sakoli	64.29	Seloo	12.50
Shegaon	73.12	Jammer	2.58	Nagpur Rural	64.29	Shirpur	12.50
Mahur	73.09	Telhara	2.58	Yavatmal	64.29	Saoner	12.50
Dhanora	73.06	Daund	2.57	Shrirampur	62.50	Chiplun	11.11
Trambakeshwar	73.03	Roha	2.57	Bhatkuli	62.50	Gangapur	11.11
Lakhani	72.95	Nevasa	2.57	Daryapur	62.50	Kannad	11.11

Velha	72.74	Malegaon	2.57	Wada	62.50	Tumsar	11.11
Nagbhid	72.63	Patan	2.55	Murtijapur	62.50	Hinganghat	10.71
Hinganghat	72.58	Akole	2.54	Bhadravati	62.50	Arjuni-Morgaon	10.71
Loha	72.58	Ratnagiri	2.50	Korpana	62.50	Deori	10.00
Bhandara	72.48	Ampaon	2.47	Rajura	62.50	Parshioni	10.00
Ajara	72.44	Udgir	2.47	Sindevahi	62.50	Igapuri	10.00
Wani	72.38	Aundha Nagnath	2.47	Warora	62.50	Jintur	10.00
Kalmeshwar	72.32	Koregaon	2.45	Salekasa	62.50	Kankavali	9.38
Sangrampur	72.30	Bhandara	2.44	Katol	62.50	Pandharpur	9.38
Pathari	72.24	Mhada	2.44	Biloli	62.50	Umarga	9.38
Mahabaleshwar	72.21	Mehkar	2.43	Palghar	61.82	Mangrulpir	9.38
Rajura	72.16	Chamorshi	2.42	Akot	60.27	Shirur	8.33
Kandhar	72.14	Tuljapur	2.41	Rahata	60.00	Jawali	8.33
Karjat	72.11	Rahata	2.41	Achalpur	60.00	Jawhar	8.33
Khandala	72.11	Kaij	2.41	Karjat	60.00	Kalamb	8.33
Sillod	72.10	Deogad	2.39	Karanja	60.00	Kelapur	8.33
Palam	72.08	Ahmedpur	2.39	Morshi	60.00	Ner	8.33
Nandura	72.04	Jalna	2.38	Nagbhid	60.00	Chandur Railway	8.33
Karanja	71.99	Aheri	2.37	Armori	60.00	Teosa	8.33

Gadhingalaj	71.97	Ausa	2.35	Gadchiroli	60.00	Majalgaon	8.33
Nandurbar	71.95	Barshi	2.35	Amalner	60.00	Patoda	8.33
Khamgaon	71.90	Mukhed	2.34	Jalgaon	60.00	Deougaon Raja	8.33
Wai	71.88	Khatav	2.33	Parshioni	60.00	Chandrapur	8.33
Arvi	71.88	Lakhani	2.32	Naigaon (K.)	60.00	Chimur	8.33
Kopangaon	71.85	Mohadi	2.31	Chandwad	60.00	Bhadgaon	8.33
Chimur	71.67	Kavathe Mahan Kal	2.31	Vasai	58.33	Erandol	8.33
Chikhali	71.57	Guhagar	2.29	Arvi	58.33	Kandhar	8.33
Warora	71.46	Vasai	2.29	Deoli	58.33	Deo La	8.33
Ambad	71.40	Sinnar	2.29	Arni	58.33	Dindori	8.33
Ardhapur	71.39	Khed	2.28	Ner	58.33	Malegaon	8.06
Selu	71.36	Kalamb	2.27	Umarkhed	58.33	Sakri	7.72
Deogad	71.31	Sengaoan	2.27	Chandrapur	58.33	Dhule	7.44
Samudrapur	71.31	Kagal	2.27	Goregaon	58.33	Mangalvedha	7.14
Malkapur	71.22	Aurangabad	2.26	Bhadgaon	58.33	Tiroda	7.14
Shindkhed Raja	71.21	Shirol	2.26	Jalkot	58.33	Chalisgaon	7.14
Mangrulpir	71.19	Kannad	2.26	Shirur (Anantpal)	58.33	Hatkanangale	6.82
Muktainagar /Edlabad	71.07	Sakoli	2.25	Hingna	58.33	Karvir	6.82

Bhokardan	70.99	Sillod	2.25	Mahur	58.33	Malegaon	6.35
Kuhi	70.98	Sangmeshwar	2.25	Mukhed	58.33	Pathardi	6.25
Paithan	70.94	Shahapur	2.22	Hinganghat	57.14	Amravati	6.25
Kavathe Mahan Kal	70.94	Tiroda	2.22	Pauni	57.14	Bhor	6.25
Peth	70.91	Nagpur Rural	2.22	Mangrulpir	56.70	Atpadi	6.25
Achalpur	70.89	Risod	2.21	Bhandara	55.56	Karad	6.25
Malegaon	70.86	Majalgaon	2.20	Chamorshi	55.56	Wani	6.25
Jalna	70.85	Bhiwandi	2.20	Aundha Nagnath	55.56	Dhamangaon Railway	6.25
Seloo	70.81	Arjuni-Morgaon	2.16	Risod	55.56	Phulambri	6.25
Akot	70.81	Hadgaon	2.16	Patur	55.00	Sillod	6.25
Man	70.75	Washim	2.16	Niphad	55.00	Shirur (Kasar)	6.25
Vengurla	70.73	Shrigonda	2.15	Malegaon	55.00	Nandura	6.25
Bhor	70.72	Ambejogai	2.14	Kalamhuri	54.55	Shindkhed Raja	6.25
Gangakhed	70.69	Palus	2.14	Dhule	54.50	Bhadravati	6.25
Sironcha	70.63	Mangalvedha	2.13	Chandur Bazar	54.17	Dhanora	6.25
Khalapur	70.53	Selu	2.09	Malegaon	53.57	Hingoli	6.25
Patur	70.52	Panhala	2.09	Akola	53.43	Shirol	6.25
Panvel	70.51	Chimur	2.08	Manora	53.13	Kuhi	6.25

Manvat	70.48	Paithan	2.07	Washim	52.78	Kalwan	6.25
Khanapur (Vita)	70.45	Chopada	2.06	Jamkhed	50.00	Sindkheda	6.12
Darwha	70.42	Akot	2.06	Kopergaon	50.00	Beed	5.90
Khatav	70.37	Khamgaon	2.05	Nevasa	50.00	Akola	5.63
Lonar	70.33	Rajapur	2.04	Rahuri	50.00	Jat	5.56
Partur	70.22	Yeola	2.04	Amravati	50.00	Bhiwandi	5.56
Deori	70.22	Ambegaon	2.04	Anjangaon	50.00	Aurangabad	5.56
Tuljapur	70.21	Nagbhid	2.03	Manvat	50.00	Karjat	5.00
Kinwat	70.09	Malegaon	2.03	Sonpeth	50.00	Shevgaon	5.00
Patan	70.08	Solapur South	2.01	Ambegaon	50.00	Parbhani	5.00
Korchi	70.01	Parner	2.01	Junnar	50.00	Maval	5.00
Georai	70.00	Akkalkot	2.01	Khed	50.00	Mangaon	5.00
Deoli	69.90	Chandgad	1.99	Murud	50.00	Kavathe Mahan Kal	5.00
Mehkar	69.89	Rahuri	1.99	Pen	50.00	Vengurla	5.00
Warud	69.87	Shirur	1.97	Roha	50.00	Murbad	5.00
Kalwan	69.87	Barshitakali	1.96	Sudhagad	50.00	Darwha	5.00
Shirur (Anantpal)	69.77	Murbad	1.94	Solapur North	50.00	Dharni	5.00

Jintur	69.76	Saoner	1.92	Solapur South	50.00	Morshi	5.00
Anjangaon	69.76	Mangrulpir	1.92	Ambarnath	50.00	Warud	5.00
Mahad	69.75	Goregaon	1.92	Bhiwandi	50.00	Motala	5.00
Paner	69.72	Chalisingaon	1.91	Murbad	50.00	Armori	5.00
Kalamb	69.61	Hingna	1.91	Ashti	50.00	Amalner	5.00
Arni	69.60	Mahad	1.90	Samudrapur	50.00	Jalgaon	5.00
Maregaon	69.53	Dharni	1.89	Seloo	50.00	Gadhingalaj	5.00
Badnapur	69.50	Taloda (Sa)	1.89	Wardha	50.00	Radhanagari	5.00
Kelapur	69.48	Navin Lohara	1.89	Darwaha	50.00	Chandwad	5.00
Murud	69.44	Shirala	1.89	Mahagaon	50.00	Niphad	5.00
Khuldabad	69.44	Wai	1.89	Maregaon	50.00	Ahmednagar	4.17
Phaltan	69.29	Deoli	1.89	Pusad	50.00	Malvan	4.17
Shrirampur	69.28	Raver	1.88	Wani	50.00	Umarkhed	4.17
Ramtek	69.17	Shevgaon	1.88	Chandur Railway	50.00	Murtijapur	4.17
Korpana	69.16	Pen	1.88	Dhamangaon Railway	50.00	Ambejogai	4.17
Umari	69.15	Armori	1.88	Nandgaon Khandeshwar	50.00	Lakhadoor	4.17
Bhokar	69.07	Chikhali	1.87	Teosa	50.00	Buldhana	4.17

Chikhaldara	69.03	Chandur Bazar	1.87	Gangapur	50.00	Khangaon	4.17
Ashti	68.98	Pachora	1.87	Khuldabad	50.00	Chopada	4.17
Karanja	68.97	Manora	1.87	Vajapur	50.00	Mantha	4.17
Umarkhed	68.96	Yavatmal	1.86	Dharur	50.00	Ahmedpur	4.17
Daund	68.90	Umarkhed	1.85	Patoda	50.00	Mukhed	4.17
Barshi	68.74	Kamthi	1.84	Wadwani	50.00	Baramati	3.57
Digras	68.71	Dindori	1.84	Lakhandoor	50.00	Khed	3.57
Bhiwapur	68.70	Hingoli	1.83	Lakhani	50.00	Khatav	3.57
Dindori	68.68	Lakhandoor	1.83	Tumsar	50.00	Pusad	3.57
Chakur	68.63	Man	1.83	Buldhana	50.00	Telhara	3.57
Manora	68.61	Yaval	1.81	Deoulgaoon Raja	50.00	Kaij	3.57
Ghansawangi	68.59	Gadhingalaj	1.81	Mehkar	50.00	Sakoli	3.57
Koregaon	68.59	Seloo	1.81	Motala	50.00	Baglan	3.57
Ambejogai	68.57	Chandrapur	1.81	Ballapur	50.00	Kalamb	3.57
Marshiras	68.57	Purna	1.80	Bramhapuri	50.00	Junnar	3.13
Ahmedpur	68.52	Khanapur (Vita)	1.78	Mul	50.00	Sawantwadi	3.13
Igatpuri	68.49	Arvi	1.76	Pombhurna	50.00	Ambad	3.13
Sonpeth	68.44	Loha	1.75	Saoli	50.00	Akrani (Sa)	3.13

Majalgaon	68.38	Vengurla	1.74	Mulchera	50.00	Kudal	2.78
Chandur Bazar	68.37	Kandhar	1.73	Tiroda	50.00	Bhandara	2.78
Ballarpur	68.27	Maval	1.73	Bhusawal	50.00	Aundha Nagnath	2.78
Ashiti	68.24	Jafrabad	1.72	Erandol	50.00	Ausa	2.78
Poladpur	68.20	Chakur	1.72	Muktainagar /Edlabad	50.00	Latur	2.78
Mhada	68.07	Kopergaon	1.71	Pachora	50.00	Risod	2.78
Bhadravati	68.03	Hinganghat	1.70	Parola	50.00	Walva Islampur	2.50
Shirur	68.02	Deori	1.70	Raver	50.00	Palghar	2.27
Jeoti	68.02	Atpadi	1.67	Ajara	50.00	Kalamnuri	2.27
Bhoom	67.80	Baglan	1.65	Gagan Bawda	50.00	Gondia	2.08
Katol	67.63	Karanja	1.64	Ahmedpur	50.00	Basmat	2.08
Narkhed	67.62	Naigaon (K.)	1.64	Deoni	50.00	Osmanabad	2.08
Latur	67.57	Buldhana	1.63	Latur	50.00	Akole	0.00
Aurangabad	67.55	Warud	1.63	Nilanga	50.00	Jamkhed	0.00
Taloda (Sa)	67.55	Muktainagar /Edlabad	1.62	Udgir	50.00	Nevasa	0.00
Jalkot	67.54	Murtijapur	1.60	Kamthi	50.00	Parner	0.00
Sudhagad	67.54	Kadegaon	1.59	Kuhi	50.00	Rahata	0.00

Ralegaon	67.52	Lanja	1.58	Mauda	50.00	Sanganner	0.00
Aundha Nagnath	67.51	Pauni	1.56	Narkhed	50.00	Shrigonda	0.00
Vaibhavwadi	67.50	Sadak-Arjuni	1.56	Saoner	50.00	Shrirampur	0.00
Karad	67.41	Degloor	1.56	Ardhapur	50.00	Bhatkuli	0.00
Dharmabad	67.40	Washi	1.56	Hadgaon	50.00	Daryapur	0.00
Balapur	67.37	Amalner	1.56	Kandhar	50.00	Manvat	0.00
Vaijapur	67.37	Dhanora	1.56	Umari	50.00	Pathari	0.00
Kankavali	67.37	Achalpur	1.55	Nandgaon	50.00	Selu	0.00
Udgir	67.20	Karanja	1.55	Sinnar	50.00	Sompeth	0.00
Aheri	67.10	Motala	1.55	Yeola	50.00	Ambeagaon	0.00
Hingoli	67.09	Ahmednagar	1.54	Kalamb	50.00	Daund	0.00
Phulambri	67.06	Chandwad	1.54	Navin Lohara	50.00	Indapur	0.00
Chopada	67.03	Kinwat	1.53	Karanja	46.88	Mulshi	0.00
Dharni	66.97	Sindevalhi	1.51	Barshitakali	46.43	Purandar	0.00
Paranda	66.97	Renapur	1.51	Telhara	46.43	Velha	0.00
Kannad	66.86	Khalapur	1.50	Gondia	45.83	Alibag	0.00
Hadgaon	66.85	Shindkhed Raja	1.50	Kalyan	45.83	Karjat	0.00
Chandwad	66.85	Vaibhavwadi	1.50	Loha	45.83	Khalapur	0.00

Miraj	66.81	Shahuwadi	1.49	Marshiras	45.45	Mahad	0.00
Motala	66.79	Shrirampur	1.49	Hatkanangale	45.45	Mhasala	0.00
Maval	66.78	Bhudargad	1.49	Balapur	45.24	Panvel	0.00
Sindheda	66.77	Kalyan	1.48	Osmabad	44.79	Pen	0.00
Kudal	66.77	Talasari	1.47	Kannad	44.44	Poladpur	0.00
Ambegaon	66.73	Jalgaon	1.47	Ausa	44.44	Roha	0.00
Barshitakali	66.69	Radhanagari	1.47	Umarga	44.10	Shrivardhan	0.00
Ner	66.64	Bhoom	1.47	Sangamner	43.75	Sudhagad	0.00
Parali	66.63	Bhusawal	1.47	Pandharpur	43.75	Tala	0.00
Renapur	66.60	Rajura	1.46	Mohadi	43.75	Uran	0.00
Naigaon (K.)	66.57	Pathardi	1.45	Hingoli	43.75	Dapoli	0.00
Jat	66.51	Darwaha	1.44	Shirol	43.75	Guhagar	0.00
Washi	66.51	Karjat	1.42	Nanded	43.75	Khed	0.00
Nilanga	66.47	Pathari	1.41	Paranda	42.92	Mandangad	0.00
Nandgaon Khandeshwar	66.45	Dhamangaon Railway	1.41	Baramati	42.86	Rajapur	0.00
Jammer	66.44	Bhor	1.40	Daund	42.86	Ramagiri	0.00
Shahada	66.41	Korpana	1.39	Indapur	42.86	Khanapur (Vita)	0.00
Babhulgaon	66.39	Nanded	1.39	Alibag	42.86	Palus	0.00

Karmala	66.30	Mangaon	1.39	Mohol	42.86	Shirala	0.00
Patoda	66.30	Kurkheda	1.39	Kajj	42.86	Khandala	0.00
Rahuri	66.28	Etapalli	1.38	Chikhali	42.86	Koregaon	0.00
Raver	66.22	Arni	1.38	Chaligaon	42.86	Mahabaleshwar	0.00
Wardha	66.09	Parshioni	1.38	Janner	42.86	Man	0.00
Kalamb	66.09	Warora	1.38	Ghansawangi	42.86	Patan	0.00
Mangalvedha	66.05	Kalwan	1.37	Tuljapur	42.22	Phaltan	0.00
Himayatnagar	66.05	Mauda	1.37	Mulshi	41.67	Wai	0.00
Saoner	66.00	Gangakhed	1.36	Ahmednagar	41.67	Deogad	0.00
Morshi	65.92	Salekasa	1.35	Pamer	41.67	Dodamarg	0.00
Mohol	65.91	Mahagaon	1.35	Akkalkot	41.67	Vaibhavwadi	0.00
Biloli	65.90	Badnapur	1.35	Barshi	41.67	Akkalkot	0.00
Deoni	65.86	Patoda	1.35	Karmala	41.67	Barshi	0.00
Mudkhed	65.83	Palam	1.35	Sangola	41.67	Mhada	0.00
Junnar	65.78	Balapur	1.35	Ambejogai	41.67	Mohol	0.00
Shevgaon	65.67	Samudrapur	1.35	Majalgaon	41.67	Solapur North	0.00
Mantha	65.64	Mantha	1.34	Khangaon	41.67	Solapur South	0.00
Mahagaon	65.60	Morshi	1.34	Amgaon	41.67	Ambarnath	0.00

Mangaon	65.58	Ramtek	1.34	Basmat	41.67	Dahanu	0.00
Malvan	65.56	Patur	1.34	Jafrabad	41.67	Kalyan	0.00
Kaij	65.55	Manvat	1.33	Panhala	41.67	Mokhada	0.00
Akrani (Sa)	65.54	Jawali	1.33	Chakur	41.67	Shahapur	0.00
Chiplun	65.51	Katol	1.33	Gangakhed	41.67	Talassari	0.00
Atpadi	65.50	Biloli	1.31	Karvir	40.91	Vikramgad	0.00
Erandol	65.49	Chandur Railway	1.31	Badnapur	40.83	Deoli	0.00
Sakri	65.48	Partur	1.31	Mangalvedha	40.18	Arni	0.00
Khed	65.47	Urban	1.30	Mhada	40.18	Babhulgaon	0.00
Yeola	65.34	Gadchiroli	1.30	Karjat	40.00	Maregaon	0.00
Bhadgaon	65.32	Saoli	1.30	Shevgaon	40.00	Ralegaon	0.00
Roha	65.25	Bramhapuri	1.29	Palam	40.00	Zari Zamani	0.00
Degloor	65.22	Igatpuri	1.28	Selu	40.00	Balapur	0.00
Buldhana	65.13	Mul	1.25	Maval	40.00	Barshitakali	0.00
Mulshi	65.02	Bhatkuli	1.24	Mangaon	40.00	Soygaon	0.00
Jawhar	64.98	Surgana	1.24	Kavathe Mahan Kal	40.00	Vaijapur	0.00
Soygaon	64.92	Purandar	1.22	Palus	40.00	Dharur	0.00
Shirur (Kasar)	64.87	Sironcha	1.22	Shirala	40.00	Georai	0.00

Parshioni	64.84	Ralegaon	1.21	Man	40.00	Parali	0.00
Y'aval	64.82	Amravati	1.21	Parali	40.00	Wadwani	0.00
Dharangaon	64.80	Wada	1.20	Sengon	40.00	Lakhani	0.00
Nevasa	64.78	Kuhi	1.20	Bhokardan	40.00	Chikhali	0.00
Pachora	64.76	Daryapur	1.19	Partur	40.00	Jalgaon Jamod	0.00
Ratnagiri	64.57	Lonar	1.19	Chandgad	40.00	Lonar	0.00
Ausa	64.54	Karjat	1.18	Gadhingalaj	40.00	Mehkar	0.00
Dhule	64.44	Mulshi	1.17	Kagal	40.00	Sangrampur	0.00
Shrivardhan	64.32	Deolgaon Raja	1.17	Radhanagari	40.00	Shegaon	0.00
Jalgaon	64.28	Jalgaon Jamod	1.16	Jintur	40.00	Ballarpur	0.00
Jamkhed	64.24	Deo La	1.15	Miraj	40.00	Bramhapuri	0.00
Tala	64.24	Phulambri	1.14	Jat	38.89	Jeoti	0.00
Gangapur	64.20	Shirur (Kasar)	1.13	Satara	38.89	Korpana	0.00
Amravati	64.15	Narkhed	1.13	Aurangabad	38.89	Mul	0.00
Dodamarg	64.10	Ner	1.13	Beed	38.19	Nagbhid	0.00
Dhamaogon Railway	64.05	Nandgaon Khandeshwar	1.13	Pathardi	37.50	Pombhurna	0.00
Purandar	64.05	Nandura	1.13	Pathari	37.50	Rajura	0.00
Osmanabad	64.02	Bhadgaon	1.13	Khalapur	37.50	Saoli	0.00

Akole	63.97	Dharur	1.13	Uran	37.50	Sindevahi	0.00
Umred	63.96	Parola	1.13	Atpadi	37.50	Warora	0.00
Baramati	63.92	Sonpeth	1.13	Khanapur (Vita)	37.50	Bhamragad	0.00
Guhagar	63.92	Teosa	1.13	Paithan	37.50	Amgaon	0.00
Nanded	63.92	Ashti	1.11	Phulambri	37.50	Goregaon	0.00
Talasari	63.82	Vikramgad	1.10	Sillod	37.50	Sadak-Arjuni	0.00
Murbad	63.80	Digras	1.10	Georai	37.50	Salekasa	0.00
Wadwani	63.77	Shegaon	1.10	Shirur (Kasar)	37.50	Bhusawal	0.00
Rahata	63.76	Wani	1.09	Jalgaon Jamod	37.50	Bodwad	0.00
Bodwad	63.71	Bhadravati	1.09	Lonar	37.50	Dharan gaon	0.00
Chandur Railway	63.60	Mahabaleshwar	1.08	Nandura	37.50	Jamner	0.00
Deo La	63.59	Chikhaldara	1.06	Sangrampur	37.50	Muktainagar /Edlabad	0.00
Navin Lohara	63.54	Ghatanji	1.06	Shindkhed Raja	37.50	Pachora	0.00
Hingna	63.46	Ajara	1.06	Ambad	37.50	Parola	0.00
Lanja	63.44	Bhiwapur	1.06	Jalna	37.50	Raver	0.00
Bhiwandi	63.43	Bhokar	1.06	Bhudargad	37.50	Yaval	0.00
Pathardi	63.42	Sangrampur	1.06	Shahuwadi	37.50	Badnapur	0.00
Mukhed	63.18	Khandala	1.04	Renapur	37.50	Bhokardan	0.00

Umarga	63.10	Deoni	1.04	Bhoom	37.50	Ghansawangi	0.00
Mokhada	63.00	Trambakeshwar	1.03	Washi	37.50	Jafrabad	0.00
Mhasala	62.85	Kalamb	1.03	Kadegaon	37.50	Jalna	0.00
Murtijapur	62.78	Dharangaon	1.03	Patan	37.05	Partur	0.00
Dapoli	62.71	Himayatnagar	1.03	Phaltan	37.05	Ajara	0.00
Kamthi	62.67	Mandangad	1.02	Mantha	36.67	Bhudargad	0.00
Akola	62.42	Babhulgaon	1.01	Karad	35.90	Gagan Bawda	0.00
Shirpur	62.25	Umred	1.01	Dapoli	35.71	Panhala	0.00
Sangmeshwar	62.17	Nandgaon	1.00	Khatav	35.71	Shahuwadi	0.00
Mandangad	62.13	Anjangaon	0.99	Ashti	35.71	Deoni	0.00
Ahmednagar	62.13	Jalkot	0.99	Parbhani	35.00	Jalkot	0.00
Amalner	62.04	Kalmeshwar	0.98	Have Li	35.00	Nilanga	0.00
Sinnar	61.97	Nashik	0.96	Panvel	35.00	Renapur	0.00
Bhatkuli	61.94	Shrivardhan	0.94	Walva Islampur	35.00	Shirur (Anantpal)	0.00
Rajapur	61.74	Tala	0.94	Koregaon	34.52	Udgir	0.00
Solapur North	61.70	Mudkhed	0.94	Shrigonda	33.33	Bhiwapur	0.00
Teosa	61.48	Erandol	0.94	Purna	33.33	Hingna	0.00
Chalisgaon	61.09	Kelapur	0.94	Shirur	33.33	Kalmeshwar	0.00

Khed	60.89	Khuldabad	0.94	Mandangad	33.33	Kamthi	0.00
Sangamner	60.80	Umari	0.92	Tasgaon	33.33	Katol	0.00
Parola	60.57	Dodamarg	0.91	Jawali	33.33	Mauda	0.00
Solapur South	60.30	Shirur (Anantpal)	0.91	Khandala	33.33	Nagpur Rural	0.00
Baglan	60.24	Soygaon	0.89	Dodamarg	33.33	Narkhed	0.00
Daryapur	60.19	Wadwani	0.89	Kudal	33.33	Ardhapur	0.00
Vikramgad	59.96	Ardhapur	0.89	Malvan	33.33	Bitoli	0.00
Akkalkot	59.93	Ambarnath	0.87	Vaibhavwadi	33.33	Degloor	0.00
Shahapur	59.91	Desaiganj (Wadsa)	0.86	Malkapur	33.33	Hadgaon	0.00
Wada	59.79	Gondpimpri	0.86	Shegaon	33.33	Kinwat	0.00
Chandrapur	59.32	Sudhagad	0.84	Kankavali	31.25	Loha	0.00
Ambarnath	59.25	Mhasala	0.83	Sawantwadi	31.25	Mahur	0.00
Palghar	58.68	Bhamragad	0.83	Mahad	30.00	Mudkhed	0.00
Dharur	58.37	Korchi	0.83	Guhagar	30.00	Naigaon (K.)	0.00
Vasai	58.22	Jamkhed	0.81	Vengurla	30.00	Nanded	0.00
Niphad	57.48	Jawhar	0.81	Khed	28.57	Umari	0.00
Nashik	57.32	Ballarpur	0.79	Chiplun	27.78	Akkalkuva (Sa)	0.00

Etapalli	57.13	Gagan Bawda	0.79	Bhor	25.00	Nandurbar	0.00
Malegaon	57.00	Velha	0.78	Purandar	25.00	Navapur(Sa)	0.00
Have Li	56.88	Poladpur	0.78	Velha	25.00	Shahada	0.00
Bhamragad	56.42	Malkapur	0.76	Mhasala	25.00	Taloda (Sa)	0.00
Bhusawal	56.05	Bodwad	0.74	Poladpur	25.00	Nandgaon	0.00
Sangola	56.00	Dharmabad	0.73	Shrivardhan	25.00	Peth	0.00
Jawali	55.90	Zari Zamani	0.71	Tala	25.00	Simar	0.00
Yavatmal	55.80	Mahur	0.69	Lanja	25.00	Surgana	0.00
Nandgaon	54.44	Maregaon	0.68	Rajapur	25.00	Trambakeshwar	0.00
Dahanu	53.89	Solapur North	0.61	Ramagiri	25.00	Yeola	0.00
Pusad	53.50	Mokhada	0.61	Sangmeshwar	25.00	Bhoom	0.00
Satara	53.15	Jeoti	0.61	Mahabaleshwar	25.00	Paranda	0.00
Nagpur Rural	53.01	Pombhurna	0.61	Wai	25.00	Tuljapur	0.00
Kalyan	48.41	Mulchera	0.61	Deogad	25.00	Washi	0.00
Sawantwadi	44.77	Peth	0.61	Bodwad	25.00	Kadegaon	0.00
Tasgaon	41.49	Murud	0.53	Mudkhed	25.00	Yavatmal	0.00

Indicates high value of the variable

Indicates medium value of the variable

Indicates low value of the variable

APPENDIX D
**PANCHAYAT SAMITI RELEVANT FOR IMMEDIATE LAUNCH OF
VOTER AWARENESS PROGRAMS**

Division	District	PS	Av VT
Amravati	Amravati	Teosa	61.48
Nashik	Jalgaon	Chalisingaon	61.09
Pune	Pune	Khed	60.89
Nashik	Ahmednagar	Sangamner	60.80
Nashik	Jalgaon	Parola	60.57
Pune	Solapur	Solapur South	60.30
Nashik	Nashik	Baglan	60.24
Amravati	Amravati	Daryapur	60.19
Konkan	Thane	Vikramgad	59.96
Pune	Solapur	Akkalkot	59.93
Konkan	Thane	Shahapur	59.91
Konkan	Thane	Wada	59.79
Nagpur	Chandrapur	Chandrapur	59.32
Konkan	Thane	Ambarnath	59.25
Konkan	Thane	Palghar	58.68
Aurangabad	Beed	Dharur	58.37
Konkan	Thane	Vasai	58.22
Nashik	Nashik	Niphad	57.48
Nashik	Nashik	Nashik	57.32

Nagpur	Gadchiroli	Etapalli	57.13
Nashik	Nashik	Malegaon	57.00
Pune	Pune	Have Li	56.88
Nagpur	Gadchiroli	Bhamragad	56.42
Nashik	Jalgaon	Bhusawal	56.05
Pune	Solapur	Sangola	56.00
Pune	Satara	Jawali	55.90
Amravati	Yavatmal	Yavatmal	55.80
Nashik	Nashik	Nandgaon	54.44
Konkan	Thane	Dahanu	53.89
Amravati	Yavatmal	Pusad	53.50
Pune	Satara	Satara	53.15
Nagpur	Nagpur	Nagpur Rural	53.01
Konkan	Thane	Kalyan	48.41
Konkan	Sindhudurg	Sawantwadi	44.77
Pune	Sangli	Tasgaon	41.49

APPENDIX E

PANCHAYAT SAMITI WHERE MCC IMPLEMENTATION
OUGHT TO BE INTENSIVELY FOCUSED UPON

District	PS	Average VT	Average REVERSE COMP	Average_RES	No. of attributes promoting fierce competition
Kolhapur	Gagan Bawda	86.91	0.79	50.00	2
Kolhapur	Kagal	82.99	2.27	40.00	1
Kolhapur	Radhanagari	81.53	1.47	40.00	2
Kolhapur	Panhala	81.04	2.09	41.67	1
Gadchiroli	Desaiganj (Wadsa)	80.85	0.86	66.67	4
Gadchiroli	Kurkheda	79.38	1.39	70.00	4
Kolhapur	Chandgad	78.90	1.99	40.00	1
Hingoli	Basmat	78.88	4.49	41.67	2
Gadchiroli	Chamorshi	78.31	2.42	55.56	3
Chandrapur	Bramhapuri	78.22	1.29	50.00	2
Bhandara	Mohadi	78.01	2.31	43.75	1
Hingoli	Kalamnuri	77.73	3.81	54.55	3
Gondia	Goregaon	77.67	1.92	58.33	3
Nandurbar	Navapur(Sa)	77.66	3.51	94.72	3
Sangli	Walva Islampur	77.39	3.20	35.00	1
Nashik	Surgana	77.29	1.24	100.00	3
Chandrapur	Mul	77.26	1.25	50.00	2
Gondia	Salekasa	77.25	1.35	62.50	4
Gondia	Sadak-Arjuni	77.16	1.56	70.00	4
Hingoli	Sengaon	77.07	2.27	40.00	2
Chandrapur	Gondpimpri	77.01	0.86	66.67	3
Washim	Washim	77.01	2.16	52.78	3
Bhandara	Pauni	77.00	1.56	57.14	3
Bhandara	Lakhandoor	76.98	1.83	50.00	1
Gadchiroli	Gadchiroli	76.96	1.30	60.00	4
Gondia	Arjuni-Morgaon	76.77	2.16	71.43	3

Jalna	Jafrabad	76.58	1.72	41.67	3
Solapur	Pandharpur	76.53	3.43	43.75	1
Kolhapur	Shahuwadi	76.52	1.49	37.50	2
Kolhapur	Karvir	76.44	3.65	40.91	1
Parbhani	Purna	76.16	1.79	36.51	3
Bhandara	Tumsar	75.96	2.68	50.00	1
Sangli	Shirala	75.86	1.83	40.00	1
Gadchiroli	Mulchera	75.86	0.61	50.00	3
Kolhapur	Shirol	75.84	2.26	43.75	1
Gondia	Amgaon	75.81	2.47	41.67	2
Gondia	Gondia	75.56	3.59	45.83	2
Kolhapur	Bhudargad	75.54	1.49	37.50	2
Gondia	Tiroda	75.53	2.22	50.00	2
Gadchiroli	Armori	75.01	1.88	60.00	3
Chandrapur	Sindevahi	75.00	1.51	62.50	3
Chandrapur	Pombhurna	74.89	0.61	50.00	2
Buldhana	Jalgaon Jamod	74.63	1.16	37.50	3
Buldhana	Deoulgaon Raja	74.60	1.17	50.00	3
Yavatmal	Zari Zamani	74.42	0.80	75.00	4
Washim	Risod	74.39	2.21	55.56	3
Raigad	Karjat	74.07	1.20	60.00	3
Nandurbar	Akkalkuva (Sa)	73.99	2.93	91.88	3
Chandrapur	Saoli	73.86	1.30	50.00	2
Sangli	Palus	73.81	2.28	40.95	1
Bhandara	Sakoli	73.80	2.25	64.29	2
Sangli	Kadegaon	73.76	1.59	37.50	2
Nagpur	Mauda	73.73	1.37	50.00	2
Satara	Mahabaleshwar	73.53	1.04	25.00	2
Akola	Telhara	73.50	2.58	46.43	2
Beed	Beed	73.46	3.09	38.19	2
Raigad	Uran	73.35	1.19	37.50	2
Kolhapur	Hatkanangale	73.24	2.83	45.45	1
Buldhana	Shegaon	73.12	1.10	33.33	3
Nanded	Mahur	73.09	0.69	58.33	3

Gadchiroli	Dhanora	73.06	1.56	87.50	4
Nashik	Trambakeshwar	73.03	1.03	83.33	3
Sangli	Khanapur (Vita)	72.95	2.04	39.29	1
Bhandara	Lakhani	72.95	2.32	50.00	1
Parbhani	Parbhani	72.92	2.74	35.00	2
Pune	Indapur	72.85	2.86	41.07	1
Chandrapur	Nagbhid	72.63	2.03	60.00	2
Satara	Khandala	72.60	0.98	33.33	2
Nanded	Loha	72.58	1.75	45.83	3
Bhandara	Bhandara	72.48	2.44	55.56	2
Kolhapur	Ajara	72.44	1.06	50.00	2
Yavatmal	Wani	72.34	1.09	50.00	3
Nagpur	Kalmeshwar	72.32	0.98	66.67	3
Buldhana	Sangrampur	72.30	1.06	37.50	3
Satara	Wai	72.20	1.70	25.00	2
Ahmednagar	Shrigonda	72.18	2.11	33.33	1
Chandrapur	Rajura	72.16	1.46	62.50	3
Nanded	Kandhar	72.14	1.73	50.00	3
Aurangabad	Sillod	72.10	2.25	37.50	1
Buldhana	Nandura	72.04	1.13	37.50	3
Yavatmal	Ghatanji	72.00	1.00	66.67	4
Kolhapur	Gadhingalaj	71.97	1.81	40.00	2
Nandurbar	Nandurbar	71.95	3.70	87.50	3
Buldhana	Khamgaon	71.90	2.05	41.67	2
Raigad	Alibag	71.75	2.48	42.46	1
Chandrapur	Chimur	71.67	2.08	75.00	2
Buldhana	Chikhali	71.57	1.87	42.86	2
Sangli	Kavathe Mahan Kal	71.48	2.00	39.17	1
Wardha	Karanja	71.48	1.46	60.00	3
Raigad	Pen	71.46	1.82	50.00	2
Chandrapur	Warora	71.46	1.38	62.50	3
Jalna	Ambad	71.40	3.25	37.50	1
Yavatmal	Kelapur	71.39	0.96	83.33	4
Nanded	Ardhapur	71.39	0.89	50.00	3

Pune	Bhor	71.35	1.27	27.78	2
Buldhana	Malkapur	71.22	0.76	33.33	3
Buldhana	Shindkhed Raja	71.21	1.50	37.50	3
Washim	Mangrulpir	71.19	1.92	56.70	3
Ahmednagar	Karjat	71.11	1.30	40.00	2
Jalgaon	Muktainagar /Edlabad	71.07	1.62	50.00	2
Jalna	Bhokardan	70.99	3.21	40.00	2
Nagpur	Kuhi	70.98	1.20	50.00	2
Aurangabad	Paithan	70.94	2.07	37.50	1
Nashik	Peth	70.91	0.61	100.00	3
Washim	Malegaon	70.86	2.03	55.00	3
Jalna	Jalna	70.85	2.38	37.50	2
Akola	Akot	70.81	2.06	60.27	3
Parbhani	Gangakhed	70.69	1.36	41.67	3
Parbhani	Pathari	70.67	1.30	37.50	3
Gadchiroli	Sironcha	70.63	1.22	87.50	4
Ahmednagar	Kopargaon	70.62	1.62	50.00	2
Akola	Patur	70.52	1.34	55.00	4
Wardha	Hinganghat	70.46	1.65	57.14	3
Buldhana	Lonar	70.33	1.19	37.50	3
Jalna	Partur	70.22	1.31	40.00	3
Gondia	Deori	70.22	1.70	90.00	4
Osmanabad	Tuljapur	70.21	2.41	42.22	2

How to read the table:

1. The table above shows a list of Panchayat Samitis that could witness bitterly contested elections. These ZPs are basically those which show more than average voter turnout. Thus, voter activism is high in these areas.
2. The study shows that VT is positively correlated with competition and hence, there will be a tough contest amongst political parties in these areas.
3. Thus, these PSs are expected to show high level of political activism, both from the voters as well as political parties.
4. High VT normally occurs in lesser developed districts. Political parties try to connect to the voter at the grassroot level and hence, it is in these districts that fierce competition will be witnessed. Those districts belonging to the low development cluster are highlighted in column A.
5. Where the REVERSE COMP is low, the competition between political parties will be high. Such Pss have been highlighted in Column D.
6. The study shows that political competition tends to be bitter where the proportion of reserved seats is higher. Such Panchayat Samitis, which belong to the high reservation of seats cluster, have been highlighted in Column E.
7. Thus, elections will be fiercely contested when the VT is high, development quotient is low, and where the reservation proportion is high.
8. Columns A to E actually highlight the different attributes that promote fierce competition amongst political parties. In Column F, one can see how many of these attributes are possessed by the chosen PSs.
9. Those PSs possessing 4 attributes should be the ones targeted for better management, vigilance, scrutiny and MCC implementation from a policy perspective.
10. Thus, more focus on MCC implementation should be kept whilst conducting elections of PSs in Desaiganj, Kurkheda, Gadchiroli, Dhanora, Sironcha, Salekasa, Sadak-Arjuni, Deori, Zari Zamani, Ghatanji, Kelapur and Patur.